



# **ATTACHMENTS**

**UNDER SEPARATE COVER**

**Audit and Risk Committee Meeting**

**31 May 2022**



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## Yorke Peninsula Council

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### NETWORK LEVEL HEAVY VEHICLE ROUTE ASSESSMENT AND RISK ANALYSIS (SEALED ROADS AND HIGH USE UNSEALED ROADS)

#### Final Report

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Yorke Peninsula Council

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## 1.0 INTRODUCTION

This report results from an investigation into the safety aspects of gazetted B-Double General Mass Limit (GML) routes, B-Double Commodity routes and "Other" potential B-Double routes within Yorke Peninsula Council.

Yorke Peninsula Council currently has a significant network of gazetted B-Double GML routes and B-Double Commodity routes. There are also a small number of local roads which could be considered for use by B-Doubles, which have been classified as "Other" routes. The aim of this network level heavy vehicle route assessment is to determine the overall risk along each road link, categorized as Low, Moderate, High or Very High in accordance with accepted heavy vehicle route assessment criteria.

This assessment was requested by Andrew Cameron, Chief Executive Officer at Yorke Peninsula Council (Council).

The route assessments were undertaken by a DPTI accredited senior road safety auditor and restricted access vehicle route assessor, namely:

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The report and risk analysis summary was prepared by:

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The report was reviewed and approved for release by:

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## 2.0 METHODOLOGY

### 2.1 General

Assessment of the various GML, Commodity and "Other" routes was undertaken in accordance with the DPTI publication "Route Assessment Guidelines for Restricted Access Vehicles", published in October 2008 and the National Heavy Vehicle Regulator (NHVR) publication "The Performance Based Standards Scheme – Network Classification Guidelines", published in July 2007. The assessment included reference to the following standards and guides:

- AS1742.2-2009 "Manual of Uniform Traffic Control Devices – Part 2: Traffic control devices for general use";
- Austroads Guide to Road Safety Part 6: Road Safety Audit;
- Austroads Guide to Traffic Engineering Practice Series;
- Austroads Guide to Road Design Series;
- Austroads Guide to Traffic Management Series;
- DPTI RAVnet Website (<http://maps.sa.gov.au/ravnet/index.html>);
- NHVR (National Heavy Vehicle Regulator) Journey Planner (<http://gis.nhvr.gov.au/journeyplanner>)
- Pavement Marking Manual v4, May 2015 – DPTI; and
- Manual of Legal Responsibilities and Technical Requirements for Traffic Control Devices, April 2017 – DPTI.

The network level heavy vehicle route assessment process is a subset of the detailed heavy vehicle route assessment process typically undertaken as a pre-approval requirement for gazettal of B-Double GML and Commodity routes. The detailed assessment typically addresses the following points:

- Carriageway width (general) – seal & shoulder
- Carriageway width (structures) – key standards being 8.4m, 7.8m, 7.2m
- Carriageway widening requirement (curves)
- Turning movements at junctions / site distance
- Clear zones and recovery capability (batter slopes)
- Overtaking opportunities
- Acceleration / deceleration lanes
- Rest areas
- Bridge / culvert capacity

The network level assessment still addresses all of the above, if an obvious critical deficiency is identified, but focuses on higher risk elements associated with the following:

- Carriageway width (general) – seal & shoulder
- Carriageway width (structures) – key standards being 8.4m, 7.8m, 7.2m
- Turning movements at junctions / site distance
- Clear zones (sub 3m)
- Bridge load limits

Day time site inspections were undertaken by Timothy Viner Smith between Monday 29 October and Friday 2 November 2018, and between Wednesday 14 November and Thursday 15 November 2018. No night time inspection was required under the scope of works. Weather conditions were mainly fine, with some light rain encountered.

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Photographs showing P1 and P2 risks along the GML routes assessed are included as Appendix A.

Suggested upgrades to the routes, considered necessary to meet minimum standards for B-Double GML and B-Double Commodity routes, are shown in the table of findings in Section 6.0. It should be noted, however, that not all suggested upgrades may be required by Council. It will depend on Council's general risk appetite, level of risk acceptance and availability of funds to undertake suggested road improvements.

## 2.2 Prioritisation of Risk Management Measures – GML Routes

This report examines critical elements of the GML routes, with an assessment of shortcomings and possible risk management solutions. The risk assessment calculator in the DPTI Route Assessment for Restricted Access Vehicles book is used in the tables to calculate the risk associated with the items identified.

Risk management measures have been prioritised from P1 to P4, defined as below:

- P1** (Priority 1) *Very high risk* required to be treated prior to the designated route being gazetted, or the current gazettal status of the route is to be removed.
- P2** (Priority 2) *High risk* conditional on risk acceptance by senior management, and priority commitment to a treatment program as funding becomes available within the short term.
- P3** (Priority 3) *Moderate risk* management responsibility to be specified, including monitoring and routine maintenance.
- P4** (Priority 4) *Low risk*

## 2.3 Prioritisation of Risk Management Measures – Commodity and “Other” Routes

This report examines critical elements of the existing gazetted Commodity routes, along with a selection of other routes with the potential to be gazetted as Commodity routes, including an assessment of shortcomings and possible risk management solutions. The risk assessment calculator in the DPTI Route Assessment for Restricted Access Vehicles book is used in the tables to calculate the risk associated with the items identified.

Risk management measures have been prioritised from P1 to P4, defined as below:

- P1** (Priority 1) *Very high risk* required to be treated prior to the designated route being gazetted, or the current gazettal status of the route is to be removed.
- P2** (Priority 2) *High risk* conditional on risk acceptance by senior management, and commitment to a treatment program as funding becomes available within the medium term, or gazettal status of route removed.
- P3** (Priority 3) *Moderate risk* management responsibility to be specified, including monitoring and routine maintenance.
- P4** (Priority 4) *Low risk*

3.0 GML AND COMMODITY ROUTE LOCATIONS

The existing gazetted GML and Commodity routes within Yorke Peninsula Council are generally shown in Figure 1 and Figure 2 respectively. The majority of routes are rural two way, two lane roads. There are also routes within townships. Roads assessed consists of only sealed roads and high use unsealed roads as selected by Council. All assessed roads are under the care and control of Council, and include GML and Commodity routes. DPTI roads are excluded from the assessment. There is approximately 210 km of GML routes and 777 km of Commodity routes. A further 10 km of "Other" routes have also been assessed. Almost all routes will be used by B-Doubles in both directions of travel.

A full listing of all road links (broken down into segments as supplied by Council in an extract from Council's road asset management register) is included in Appendix B.

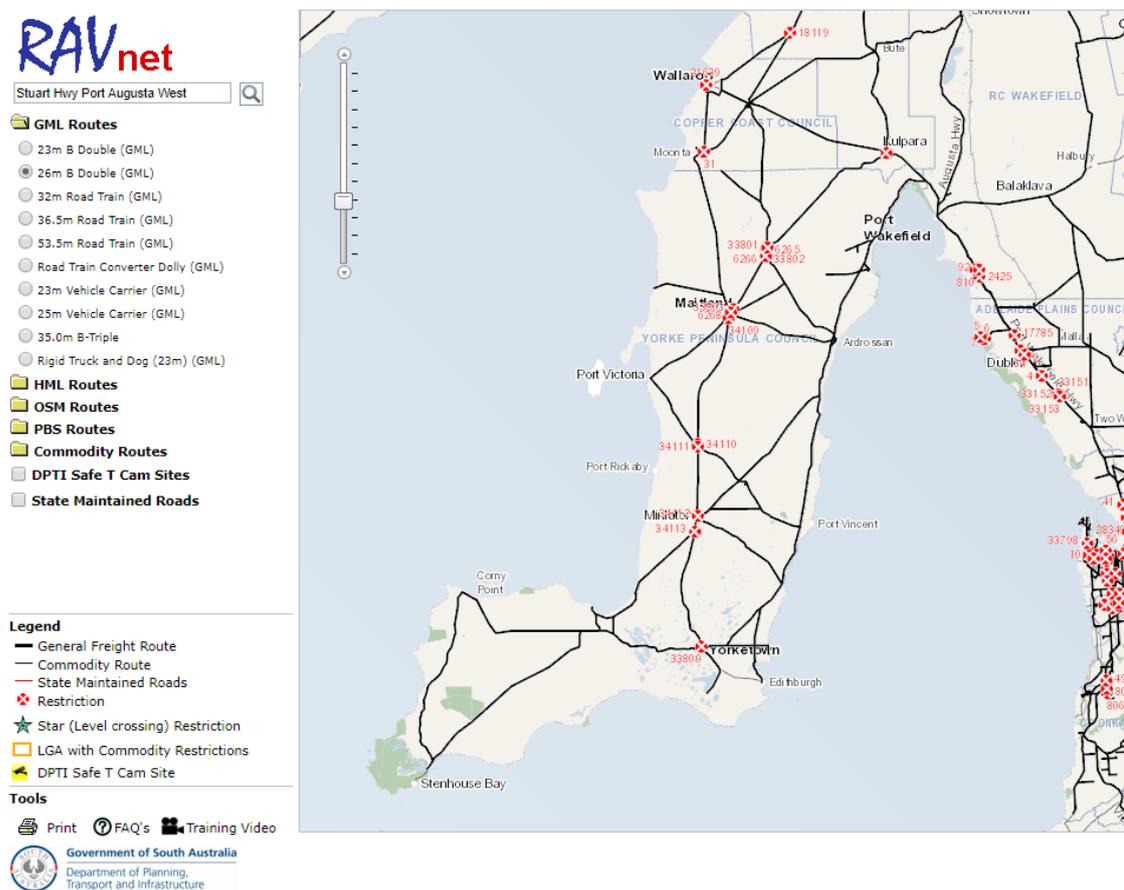


Figure 1 – Overall Site Location – GML Routes (courtesy: RAVnet, 2019)

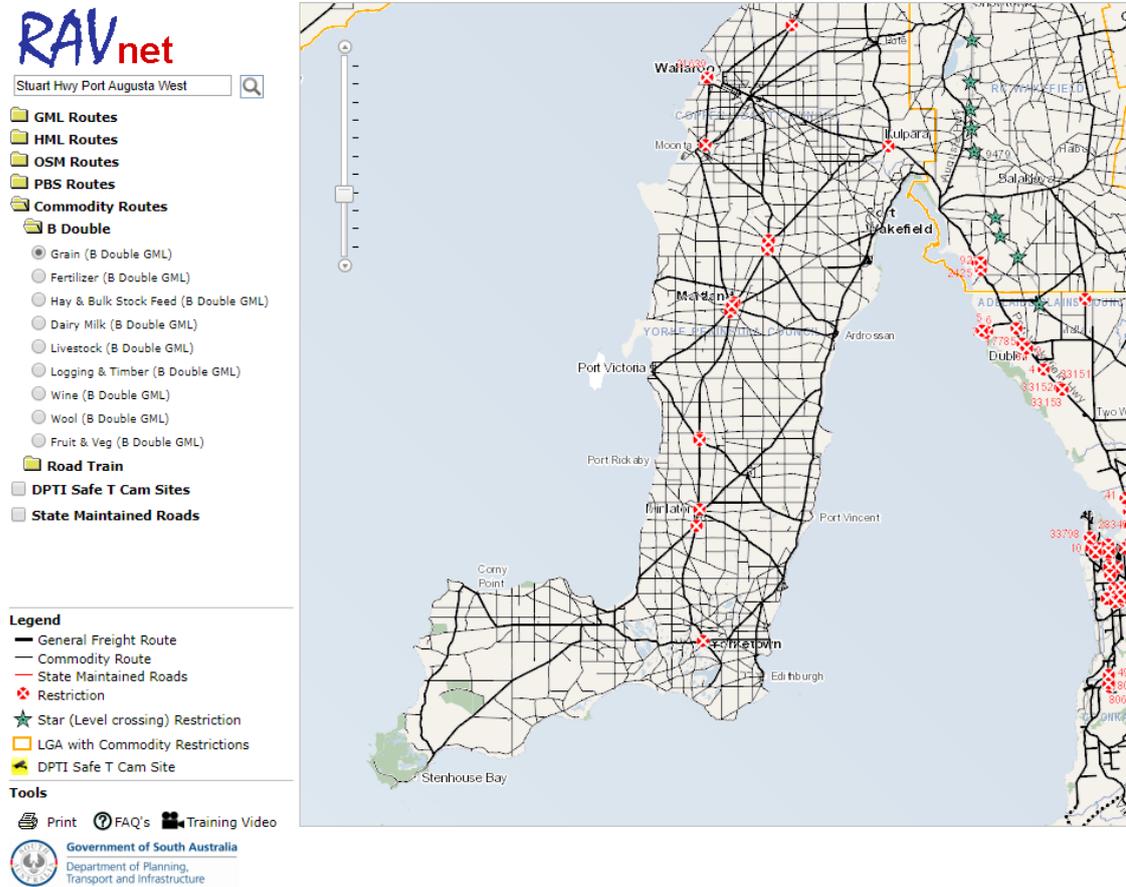


Figure 2 – Overall Site Location – Commodity Routes  
(courtesy: RAVnet, 2019)

#### 4.0 ADJACENT LAND USE AND AMENITY

The area surrounding the majority of the routes is rural farmland. There are numerous access points along the rural sections of the routes.

The routes pass through the towns of Maitland, Ardrossan, Minlaton, Yorketown, Edithburgh, Marion Bay and a number of smaller towns, so include a small urban component which has residences, public parks and commercial properties.

#### 5.0 GEOMETRIC CONSTRAINTS

The PBS Guidelines provide a number of geometric constraints for Level 2 vehicles (from a geometric perspective, Level 2A vehicles are fundamentally the same as B-Doubles), based on the road's annual average daily traffic (AADT) and, in urban areas, the speed limit. Key constraints are:

- Table 2 of the PBS Guidelines specifies a 5.7m wide traffic lane for Level 2 vehicles on a two lane, undivided road wherever regular parallel parking is present.
- Table 3 of the PBS Guidelines specifies traffic lane widths and shoulder widths for Level 2 vehicles for various AADT vehicles per day.
- Table 5 of the PBS Guidelines specifies curve widening for Level 2 vehicles where the radius of the curve is less than 450m.
- Table 6 of the PBS Guidelines specifies minimum trafficable width across a bridge for Level 2 vehicles where the AADT is over 500 of 8.4m.
- Table 8 of the PBS Guidelines specifies establishment sight distances and continuation sight distances for Level 2 vehicles. For a 100 km/h speed limit, an establishment sight distance of 1,100m is required, while a continuation sight distance of 490m is required.
- Table 9 of the PBS Guidelines specifies desirable maximum distances between sight distance overtaking opportunities, including overtaking lanes.

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**6.0 FINDINGS**

Data was recorded using georeferenced photographs and site notes. The Table of Audit Findings below details P1 and P2 risks identified in the GML routes and P1 risks identified in the Commodity routes. In addition, specific site notes relevant to the route assessment findings, including findings for all “Other” routes assessed, are shown in Appendix B, which provides further detail regarding risk locations based on road segment descriptions.

Item	Audit Findings	Risk Assessment	Recommendations
<b>6.1 GML Routes</b>			
1.	Ardrossan Road / Upper Yorke Road (Asset ID 30003) When approaching the intersection from Ardrossan Road the speed limit is initially 80kmh and then is reduced to 60km/h. There is a 'GIVE WAY' sign present and sight lines are very good in both directions along Upper Yorke Road due to the horizontal curve on the road. However the left turn onto Upper York Road is very tight and so is the right turn onto Ardrossan Road for B-Double vehicles. These two turns are banned on the DPTI RAVnet (reference 6266) for B-Double vehicles. The pavement quality is also poor at this intersection.	P2	Realign the intersection or widen the intersection to allow these two movements to be undertaken. The ban on these movements can then be removed.
2.	Arthurton Road / Upper Yorke Road (Asset ID 31005) This junction is a Y-junction with Kalkabury Road being the fourth leg. The alignment between Arthurton Road and Upper Yorke Road is very poor. The turns between Arthurton Road and Upper Yorke Road are banned on RAVnet (reference 6265). This junction is dangerous for all road users due to the poor observation angle.	P1	This junction needs to be redesigned with the Arthurton Road leg squared up to Upper Yorke Road. This will allow all turning movements to be undertaken and significantly improve driver safety.
3.	Brutus Road and Bayview Road Intersection (Asset ID 117010) The intersection has 'GIVE WAY' signs on Brutus Road legs. The sight distance is tight due to the angle of the intersection. The radius appears insufficient for the left turns. There is a steep upgrade to the intersection from the eastern leg.	P2	Review intersection crash data to see if there are patterns or large crash volumes warranting a significant upgrade. Consider widening junction to allow full turning movements for B-Double vehicles, however it is noted not all movements may be required. Consider realigning the intersection to improve the observation angles for all drivers.

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Item	Audit Findings	Risk Assessment	Recommendations
4.	<p>Mount Rat Road / Yorke Highway (Asset ID 617065)</p> <p>Mount Rat Road has a 6.2m seal with 1.5m unsealed shoulders and no edge lines. The intersection with Yorke Highway has good radii but the sight distance to the south is very tight. It is noted that the Yorke Highway is a DPTI road.</p>	<p><b>P2</b></p>	<p>Review crash data at this intersection and traffic volumes. Engage with DPTI to see if there is consideration for upgrading this intersection.</p>
5.	<p>One And All Road (Price) (Asset ID 672005)</p> <p>The relevant section of One And All Road is between Wells Terrace and 1km west of Wells Terrace in Price. This section is posted at 50 km/h and has 6.2m wide seal with no edge lines and 1.5m unsealed shoulders. There are some tight horizontal curves within the township section that have no curve widening.</p>	<p><b>P2</b></p>	<p>A more detailed review of this section of road is required either by observation or trial of a B- Double vehicle to see if it can complete the curve on the pavement. Alternatively a turning template can be used or widths measured and checked against PBS curve widening requirements. It appears likely that shoulder sealing is required for B-Double vehicles.</p>
6.	<p>Wauraltee Road (Asset ID 962045, 962050 and 962055)</p> <p>The subject section of Wauraltee Road is between 7.7km southeast of Wilson Terrace and 10.7km southeast of Wilson Terrace. The seal is 6.6m wide with 1.5m unsealed shoulders. There is a large section where the hinge point is only 0.5m from the edge of seal. The batter down from the hinge is approximately 2m deep and not traversable for B-Double vehicles.</p>	<p><b>P2</b></p>	<p>Consider widening the shoulder to provide some clear zone or flattening the batter slope in this section.</p>

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<b>6.2 Commodity Routes</b>			
7.	Brutus Road / Corny Point Road (asset ID 117050) This junction is a Y-junction set up with the angle between the two roads being very low. It is difficult to see vehicles approaching from the adjacent leg and the 'GIVE WAY' sign is unlikely to be obeyed due to the lack of deflection, drivers are also likely to be travelling at higher speeds.	<b>P1</b>	Junction should be redesigned to improve angle between the two roads.
8.	Chinaman Wells Road / Port Victoria Road (Asset ID 161005) The intersection with Port Victoria Road has a high angle. The sight distance to the right is insufficient due to the horizontal curve on Port Victoria Road. While the radius of the intersection appears to be fine for B-Doubles there is a large grass island within the intersection.	<b>P1</b>	The intersection should be squared up to improve observation angles. This may however not improve sight distance due to the horizontal curve on Port Victoria Road which may need to be improved. The grass island should be removed.
9.	Coringle Road / Stansbury Road (Asset ID 189015) The intersection of Coringle Road and Stansbury Road has insufficient radii for B-Doubles to undertake all turning movements. Sight lines are also tight to the south due to the vegetation.	<b>P1</b>	Consider undertaking turning template to see if B-Doubles can complete the movements safely, if not improve junction radii. Remove vegetation to improve sight lines.
10.	Coringle Road / Weaves Hill Road (Asset ID 189020) The junction of Coringle Road and Weaves Hill Road is a Y-junction. The poor angle makes the sight lines poor and some turning movements difficult for B-Doubles.	<b>P1</b>	Junction should be redesigned to improve angle between two roads.
11.	Corny Point Road / Brutus Road (asset ID 193070) Refer to Item 7 above.	<b>P1</b>	Refer to Item 7 above.
12.	Cunningham Road / Back Road (Asset ID 214020) The junction between Cunningham Road and Back Road is a Y-junction. The angles are poor leading to poor sight lines and insufficient turning room for heavy vehicle. The 'GIVE WAY' on Back Road appears unlikely to be obeyed.	<b>P1</b>	Junction should be redesigned to improve angle between two roads.
13.	Daly Head Road (Asset ID 225020) The Daly Head Road towards Daly Head narrows to between 5 and 6m wide. The road is constructed within cut so it would be impossible for vehicles to get off the road at some locations. There are also tight horizontal curves with poor sight lines. There appears to be no need for B-Doubles to use this road either.	<b>P1</b>	This road is not suitable for B-Doubles. Major upgrade would be required to allow B-Doubles to use this road. It should be removed from the commodity routes.

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14.	Gleesons Road (Asset ID 367035) From West Coast Road to Gleesons the road narrows to a single lane track, there is no room for vehicles to pass on the edge, there is no pavement and the curves become very tight.	P1	This road is not suitable for B-Doubles. Major upgrade would be required to allow B-Doubles to use this road. It should be removed from the commodity routes.
15.	Gun Club Road / Spencer Highway (Asset ID 394005) The junction of Gun Club Road and Spencer Highway is a Y-junction, the minor leg is at a poor angle and sight distance is poor due to the angle. The poor alignment will also impact some heavy vehicle turning movements. There are 'GIVE WAY' signs but no hazard board.	P1	Junction should be redesigned to improve angle between two roads.
16.	Mount Rat Wells Road / Spencer Highway (Asset ID 619005) This intersection has seven legs which is excessive. Due to the number of legs alignment is poor, some of the sight distances are poor and radii for left turns for heavy vehicles seems insufficient.	P1	Intersection needs to be redesigned to remove some of the legs and open it up to make it simpler and safer.
17.	Nalyappa Road / Spencer Highway (Asset ID 635005) Nalyappa Road and Spencer Highway form a Y-junction, there is a large grassed island which has formed in the middle of the junction, the alignment is poor and the sight lines are poor to the right due to the angles. Heavy vehicle turning movements would be impacted due to the poor angles.	P1	Junction should be redesigned to improve angle between the two roads.
18.	Old Coast Road / Active Road (Asset ID 664005) There is a Y-junction formed between Old Coast Road and Active Road. Active Road has no 'GIVE WAY' and priority is unclear.	P1	The junction alignment should be improved. As a minimum, installation of 'GIVE WAY' signage will improve safety.
19.	Pine Point Road / Yorke Highway (Asset ID 717125) The intersection of Pine Point Road and Yorke Highway has 'GIVE WAY' signs on Pine Point Road, sight distance to the north is poor due to a vertical curve on Yorke Highway. Vehicles are travelling at speed on the highway. Radii also appear insufficient and will force heavy vehicles onto the wrong side of the highway.	P1	Review the alignment of the Yorke Highway and raise issue with DPTI. Undertake turning template movements on the intersection to see if widening is required.
20.	Silo Road / Maitland Road (Asset ID 828005) This junction is formed as a Y-junction, the angle is poor and sight distances to the right from Silo Road are poor due to the angle. The turning radii are insufficient for some movements due to the poor angle.	P1	Junction should be redesigned to improve angle between the two roads.

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21.	<p>Troubridge Hill Road / St Vincent Highway (Asset ID 921010) Sight distances along St Vincent Highway from Troubridge Hill Road are insufficient due to a horizontal curve on St Vincent Highway. The intersection radii are insufficient for left turns in and out of Troubridge Hill Road.</p>	<p><b>P1</b></p>	<p>A turning movement analysis should be undertaken for this intersection to see the impact of B-Double vehicles and how significantly they cross the centreline on St Vincent Highway. If there are issues further investigation should be undertaken to either widen the intersection or improve the sight lines to reduce the risk.</p>
22.	<p>Yorke Valley Road / Piggery Corner Road (Asset ID 1029055) This junction is a Y-junction with a high angle. It appears unlikely the 'GIVE WAY' will be obeyed and the observation angle is poor for drivers. Some turning movements will not be able to be completed by B-Double vehicles.</p>	<p><b>P1</b></p>	<p>The junction should be re-designed to improve the angle between the two roads and subsequently improve sight distance and make priority clear. In addition this will also improve the possibility of turning movements for heavy vehicles, although it is noted that they may not be required.</p>

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## 7.0 ADDITIONAL CONSIDERATIONS

### 7.1 Signalised Intersections

The purpose of Section 2.5 of the PBS Scheme – Network Classification Guidelines is “To ensure sufficient clearance time and distances are available in the direction of travel for different Scheme vehicle classes at signalised intersections”.

As there are no signalised intersections along the routes, there is no requirement to assess the increased impact of PBS Level 2 vehicles (i.e. B-Doubles) compared with existing PBS Level 1 (Single Articulated Vehicles).

### 7.2 Railway Level Crossings

The purpose of Section 2.6 of the PBS Scheme – Network Classification Guidelines is “To ensure sufficient warning and clearance time is available for different Scheme vehicle classes at railway crossings”.

As there are no railway level crossings along the routes, there is no requirement to assess the increased impact of PBS Level 2 vehicles (i.e. B-Doubles) compared with existing PBS Level 1 (Single Articulated Vehicles).

### 7.3 GML vs HML

Selected existing gazetted B-Double GML and Commodity routes have been considered as part of this network level assessment.

A number of Council’s gazetted B-Double GML routes are also gazetted as B-Double HML routes and as PBS Level 2 routes. While there were no obvious bridge or culvert load restrictions identified during the network level assessment, it is strongly recommended that any decision by Council to increase the gazetted classification of a B-Double GML route to PBS Level 2 (equivalent to a B-Double HML) route should be preceded by a detailed check that the proposed route is suitable for the higher axle loads associated with a HML classification.

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## 8.0 SUMMARY

There are a number of risk management issues associated with the current gazettal of GML and Commodity routes within Yorke Peninsula Council for B-Double vehicles. Categorised by assessed risk level, the main issues and recommended approach (subject to Council deciding upon its tolerance for risk) are:

### 8.1 P1 – Very High Risk GML and Commodity Routes

One item within the assessed gazetted GML routes and sixteen items within the assessed gazetted Commodity routes have been assessed as a P1 “very high risk” for B-Double vehicles. In the context of the assessed gazetted network, this equates to 0.5% (by number) or 0.5% (by length) of B-Double GML routes and 3% (by number) or 5% (by length) of Commodity routes.

These items by definition must be addressed if gazettal status of the route is to be retained. The items are described in the table of findings, while relevant photographs for GML routes are included in Appendix A and further listings are available in Appendices B1 and B2.

### 8.2 P2 – High Risk GML and Commodity Routes

Seven items within the assessed gazetted GML routes and 67 items within the assessed gazetted Commodity routes have been assessed as a P2 “high risk” for B-Double vehicles. In the context of the assessed gazetted network, this equates to 3% (by number) or 4% (by length) of B-Double GML routes and 13% (by number) or 17% (by length) of Commodity routes.

These items by definition should be addressed if gazettal status of the route is to be retained. If the route is economically important, and conditional upon the level of risk considered acceptable to Council, these routes may be maintained provided there is a commitment to a treatment program as funding becomes available, with GML routes being given higher priority than Commodity routes. These items are described in the table of findings and further listings are available in Appendices B1 and B2.

### 8.3 P3 – Moderate Risk GML and Commodity Routes

149 items within the assessed gazetted GML routes and 276 items within the assessed gazetted Commodity routes have been assessed as a P3 “moderate risk” for B-Double vehicles. In the context of the assessed gazetted network, this equates to 72% (by number) or 71% (by length) of B-Double GML routes and 56% (by number) or 53% (by length) of Commodity routes.

These items by definition could be addressed, particularly for gazetted B-Double GML routes. However, risk reduction to a “low” residual risk is unlikely to be justifiable given the capital cost involved. It is therefore recommended that only sites where linemarking and/or signage improvements, or vegetation clearing, have been suggested should be considered, with any sites requiring significant reconstruction remaining as a “moderate” residual risk. Listings of these sites are available in Appendices B1 and B2.

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#### 8.4 “Other” Route Risk Summary

A total of 10 km of “Other” routes were assessed as part of the Network Level HVRA. These are roads which Council may wish to consider for use by B-Doubles, either as a gazetted B-Double Commodity route or under annual permit arrangements. In Council’s hierarchy, such roads consist mainly of rural sealed, township sealed or rural unsealed roads which are not yet gazetted as B-Double GML or Commodity routes.

Zero items within the “Other” routes have been assessed as a P1 “very high risk” for B-Double vehicles.

Two items within the “Other” routes have been assessed as a P2 “high risk” for B-Double vehicles. In the context of the overall “Other” network length assessed, this equates to 17% (by number) or 20% (by length) of routes. These items by definition should be addressed if gazettal status of the route is to be approved. These items are described in the listing available in Appendix B3.

Four items within the “Other” routes have been assessed as a P3 “moderate risk” for B-Double vehicles. In the context of the overall “Other” network length assessed, this equates to 40% (by number) or 40% (by length) of routes. These items by definition could be addressed if gazettal status of the route is to be approved. However, risk reduction to a “low” residual risk is unlikely to be justifiable given the capital cost involved. These items are described in the listing available in Appendix B3.

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**9.0 ROUTE ASSESSMENT CONCLUDING STATEMENT**

A Network Level Heavy Vehicle Route Assessment has been undertaken for selected gazetted B-Double GML and Commodity routes within Yorke Peninsula Council, plus a selection of "Other" routes which have the potential for gazettal as a B-Double Commodity route. This has been completed for the purpose of (1) determining whether existing gazetted routes are suitable, on a risk managed basis, to remain gazetted as B-Double GML or Commodity routes or (2) whether selected other routes, again on a risk managed basis, could be considered for inclusion in the gazetted B-Double Commodity route network.

It should be noted that only road capacity, road geometry (with some preliminary intersection geometry) and road safety issues have been considered in this assessment, leading to a potential GML classification. For any route to be upgraded to a HML classification, additional consideration of pavement strength and durability, plus culvert/bridge load capacity, will be required. This was not part of the assessment process covered by this report.

Continuing gazettal of GML or Commodity routes which incorporate P1 "very high risk" sites is not recommended, without immediate treatment to lower the residual risk to "high" (at worst) or "moderate" (preferred). There is one site in the gazetted B-Double GML network and sixteen sites in the gazetted Commodity route network which fall in this category.

Continuing gazettal of GML routes which incorporate P2 "high risk" sites is not recommended, unless Council can demonstrate that it is economically important to retain the gazetted route and has scheduled treatment to lower the residual risk to "moderate" in the near future. There are seven sites in the gazetted B-Double GML network which fall in this category.

Continuing gazettal of Commodity routes which incorporate P2 "high risk" sites is recommended, provided Council can demonstrate that it is economically important to retain the gazetted route and has scheduled treatment to lower the residual risk to "moderate" in the medium term. There are 67 sites in the gazetted Commodity network which fall in this category.



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## **Appendix A**

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Photos Showing GML Very High Risk (P1) and High Risk (P2) Sites



**Photo No. 3 (Item 3) – The intersection of Brutus Road and Bayview Road. The sight lines are poor and some of the left turn radii appear insufficient.**



**Photo No. 4 (Item 4) – Sight lines from Mount Rat Road along Yorke Highway are tight for a high speed road.**



**Photo No. 5 (Item 5) – There are several tight horizontal curves on One and All Road with narrow widths.**



**Photo No. 6 (Item 6) – Wauraltee Road has narrow shoulders and batters in some locations which are not suitable for B Doubles.**



Photo No. 1 (Item 1) – Approaching the Upper Yorke Road junction on Ardrossan Road.



Photo No. 2 (Item 2) – On Arthurton Road with the Upper Yorke Road junction on the left. The alignment is very poor.

## **Appendix B1**

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Field Assessment Spreadsheet

GML Routes





YORKE PENINSULA COUNCIL

1000 Peninsula City Ltd

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
556050	Marion Bay Rd	9.2km S of Corny Point Rd	10.2m S of Corny Point Rd (Gleasons R	1057.9	P4	
556055	Marion Bay Rd	10.2m S of Corny Point Rd (Gleasons R	11.2m S of Corny Point Rd	1077.1	P4	
556060	Marion Bay Rd	11.2m S of Corny Point Rd	12.2m S of Corny Point Rd	996.2	P4	7m seal, 0.5-1.5m unsealed shoulders, alignment generally straight, clear zone good, bushes 3m back
556065	Marion Bay Rd	12.2m S of Corny Point Rd	13.2m S of Corny Point Rd	1006.8	P4	
556070	Marion Bay Rd	13.2m S of Corny Point Rd	14.2m S of Corny Point Rd	1030.8	P4	
556075	Marion Bay Rd	14.2m S of Corny Point Rd	15.2m S of Corny Point Rd	1054.2	P4	7.0m seal with 1.5m unsealed shoulders, alignment good, minor batters 2m from edge, guide posts
556080	Marion Bay Rd	15.2m S of Corny Point Rd	16.2m S of Corny Point Rd	962.7	P4	
556085	Marion Bay Rd	16.2m S of Corny Point Rd	17.2m S of Corny Point Rd	954.8	P3	Some batter slopes on outside of curve, 1m back, 1-2m deep, to Daily Head turn off
556090	Marion Bay Rd	17.2m S of Corny Point Rd	18.2m S of Corny Point Rd	1027.3	P3	
556095	Marion Bay Rd	18.2m S of Corny Point Rd	19.2m S of Corny Point Rd	1030.2	P3	7m seal, 1-1.5m unsealed shoulders, alignment much straighter in this section, some minor batter slope issues, vegetation 4m back, guide posts still, pavement good quality
556100	Marion Bay Rd	19.2m S of Corny Point Rd	20.2m S of Corny Point Rd	966.3	P3	
556105	Marion Bay Rd	20.2m S of Corny Point Rd	21.2m S of Corny Point Rd	1019.3	P3	
556110	Marion Bay Rd	21.2m S of Corny Point Rd	22.2m S of Corny Point Rd	1020.3	P3	7m seal, 1m unsealed shoulders, centre line very faded, 2m from edge 2m batter slope 2:1 slope, trees generally 4m back
556115	Marion Bay Rd	22.2m S of Corny Point Rd	23.2m S of Corny Point Rd	980.6	P3	
556120	Marion Bay Rd	23.2m S of Corny Point Rd	24.2m S of Corny Point Rd	1028.9	P4	
556125	Marion Bay Rd	24.2m S of Corny Point Rd	25.2m S of Corny Point Rd	979.6	P4	7.0m seal, 1m unsealed shoulders, alignment straighter
556130	Marion Bay Rd	25.2m S of Corny Point Rd	26.2m S of Corny Point Rd	1027.4	P4	
556135	Marion Bay Rd	26.2m S of Corny Point Rd	27.2m S of Corny Point Rd	989.8	P3	
556140	Marion Bay Rd	27.2m S of Corny Point Rd	28.2m S of Corny Point Rd	1067.8	P3	6.8m seal, 1-1.5m unsealed shoulders, no edge line, alignment has some curves,
556145	Marion Bay Rd	28.2m S of Corny Point Rd	29.2m S of Corny Point Rd	996	P3	
556150	Marion Bay Rd	29.2m S of Corny Point Rd	30.2m S of Corny Point Rd	971.4	P4	
556155	Marion Bay Rd	30.2m S of Corny Point Rd	31.2m S of Corny Point Rd	970.3	P4	7.0m seal with 1m unsealed shoulders, alignment better, still some horizontal curves but sight lines good, trees 4m back, pavement good quality
556160	Marion Bay Rd	31.2m S of Corny Point Rd	32.2m S of Corny Point Rd	1098.1	P4	
556165	Marion Bay Rd	32.2m S of Corny Point Rd	33.2m S of Corny Point Rd	971.8	P3	
556170	Marion Bay Rd	33.2m S of Corny Point Rd	34.2m S of Corny Point Rd	1032.6	P3	7m seal, 1m unsealed shoulders, some 1m drop offs from edge of shoulder approx. 1m deep and 1:2 slopes, otherwise trees generally 4m back, some curves but sight lines good
556175	Marion Bay Rd	34.2m S of Corny Point Rd	35.2m S of Corny Point Rd	912.7	P3	
556180	Marion Bay Rd	35.2m S of Corny Point Rd	36.4m S of Corny Point Rd	1202.3	P3	
556185	Marion Bay Rd	36.4m S of Corny Point Rd	37.2m S of Corny Point Rd	847.1	P3	7.0m seal with no edge lines, 1m unsealed shoulders, guide posts, pavement good, some horizontal curves, no curve widening applied, sight lines good, more guide posts on curves
556190	Marion Bay Rd	37.2m S of Corny Point Rd	38.2m S of Corny Point Rd	1027.5	P3	
556195	Marion Bay Rd	38.2m S of Corny Point Rd	Yorke Hwy	1135.6	P4	Junction with Yorke Highway has hazard board, radii very good, sight distances good, good delineation,
587090	Melton South Rd	17.0km S of Upper Yorke Rd	18.0km S of Upper Yorke Rd	998.1	P4	Straight alignment but several vertical curves with tight sight lines, some large pot holes in pavement and lose material, trucks accessing mine and side
617005	Mount Rat Rd	Spencer Hwy	0.9km SE of Spencer Hwy	873.4	P3	
617010	Mount Rat Rd	0.9km SE of Spencer Hwy	1.9km SE of Spencer Hwy	970.3	P3	7m seal with 1m unsealed shoulders, stobie 4-5m back, some trees, alignment fine, intersection warning signs and pavement treatment provided,
617015	Mount Rat Rd	1.9km SE of Spencer Hwy	2.9km SE of Spencer Hwy	1008.2	P3	intersection with Spencer Highway has good sight distances and radii
617020	Mount Rat Rd	2.9km SE of Spencer Hwy	3.9km SE of Spencer Hwy	1017.7	P3	
617025	Mount Rat Rd	3.9km SE of Spencer Hwy	4.9km SE of Spencer Hwy	1025.1	P3	6.8m seal with 1.5m unsealed shoulders, alignment fine, pavement good, guide posts, vegetation 3m from edge, some stobies 5m back
617030	Mount Rat Rd	4.9km SE of Spencer Hwy	5.9km SE of Spencer Hwy	998.4	P3	
617035	Mount Rat Rd	5.9km SE of Spencer Hwy	6.9km SE of Spencer Hwy	1011.9	P3	
617040	Mount Rat Rd	6.9km SE of Spencer Hwy	7.9km SE of Spencer Hwy	994.5	P3	7m seal, 1m unsealed shoulders, alignment good, tight horizontal curve at Didlyamulka Road which may inhibit sight lines from side roads, vegetation 2m back, guide posts
617045	Mount Rat Rd	7.9km SE of Spencer Hwy	8.9km SE of Spencer Hwy	1004.2	P3	
617050	Mount Rat Rd	8.9km SE of Spencer Hwy	9.9km SE of Spencer Hwy	999.4	P3	
617055	Mount Rat Rd	9.9km SE of Spencer Hwy	10.9km SE of Spencer Hwy	1022.1	P3	7m seal with no edge lines, 1m unsealed shoulder, vegetation 2m back, batter issues often 1m back only 1m deep however, has guide posts, some tight horizontal curves but sight lines ok, pavement good quality
617060	Mount Rat Rd	10.9km SE of Spencer Hwy	Yorke Hwy	1056.7	P3	
617065	Mount Rat Rd	Yorke Hwy	West Tce	1339.3	P2	6.2m seal with no edge lines, 1.5m unsealed shoulders, tight horizontal curves, trees 3m back, intersection with Yorke Highway sight distances tight to south due to alignment, radii good

**Appendix B2**

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Field Assessment Spreadsheet

Commodity Routes

TABLE 1 - CONTINUED

TABLE 1 - CONTINUED

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
117015	Brutus Rd	Bayview Rd	2.0km W of Bayview Rd	2079.1	P3	7.5m carriageway, unsealed. Pavement good, alignment fine, some vegetation up to edge
117020	Brutus Rd	2.0km W of Bayview Rd	4.1km W of Bayview Rd (at field bound	2119	P2	Carriageway varies between 7 and 8m, two tight horizontal curves, have warning signs, no curve widening almost 90 degree turns, straight after that, clear zone good
117025	Brutus Rd	4.1km W of Bayview Rd (at field bound	West Cowie Rd	1960.5	P2	Two tight crests with sight line issues, Y-junction with Diagonal Road has poor sight lines on side road, width 8m, straight alignment
117030	Brutus Rd	West Cowie Rd	2.4km W of West Cowie Rd	2430.8	P2	7.5m carriageway, section currently being upgraded, straight alignment, trees 1-2m from edge,
117035	Brutus Rd	2.4km W of West Cowie Rd	Point Souttar Rd	2412.9	P3	7.8m carriageway, straight alignment, minor crests sight lines ok, trees 3m back but not a lot
117040	Brutus Rd	Point Souttar Rd	North Coast Rd	1636.7	P2	7.0m carriageway, trees 3m from edge, tight horizontal curve at North Coast Road, has guide posts, some widening, sight lines tight, have warning signs
117045	Brutus Rd	North Coast Rd	Levens Rd	1837.2	P3	7m carriageway, alignment fine, trees -3m back, pavement has some pot holes
117050	Brutus Rd	Levens Rd	Corny Point Rd	2208.3	P1	7m carriageway, Y-junction with Corny Point Road, angle very poor, difficult to see if vehicles coming, give way unlikely to be obeyed, needs to be realigned
81005	Black Point Rd	St Vincent Hwy	1.0km S of St Vincent Hwy	1132.2	P2	Junction with St Vincent Highway has left turn in slip lane, hazard board present, sight distances good in both directions, radii seem sufficient, steep drop off on outside of curve only 1m back from seal,
81010	Black Point Rd	1.0km S of St Vincent Hwy	2.0km S of St Vincent Hwy	986.2	P3	7.0m seal with no edge lines, 1.5m unsealed shoulders, guide posts, goes up to 50 km/h signs, unsure of need for B Doubles here?
86015	Bluff Rd	Eighth St Minlaton	1.4km W of Spencer Hwy	644.7	P3	6.2m seal with no edge lines, 1.5m unsealed shoulders, alignment fine, horizontal curves sign posted, clear zone ok trees generally 4m back
86020	Bluff Rd	1.4km W of Spencer Hwy	2.4km W of Spencer Hwy	980.6	P3	
86025	Bluff Rd	2.4km W of Spencer Hwy	3.4km W of Spencer Hwy	1048.2	P3	
86030	Bluff Rd	3.4km W of Spencer Hwy	Rickaby Rd	836.3	P2	Tight horizontal curve to junction with Rickaby Road, sight distances at junction tight in both directions due to horizontal curves, radii good
86035	Bluff Rd	Rickaby Rd	1.1km W of Rickaby Rd	1075.7	P3	6.2m seal with no edge lines, 1.5m unsealed shoulders, generally straight, clear zone good
86040	Bluff Rd	1.1km W of Rickaby Rd	2.1km W of Rickaby Rd	1016.2	P3	
86045	Bluff Rd	2.1km W of Rickaby Rd	3.1km W of Rickaby Rd	988.7	P3	
86050	Bluff Rd	3.1km W of Rickaby Rd	4.1km W of Rickaby Rd	1049.7	P3	6.2m seal with 1.5m unsealed shoulders, straight alignment, some trees 4m back from edge
86055	Bluff Rd	4.1km W of Rickaby Rd	5.1km W of Rickaby Rd	946.5	P3	
86060	Bluff Rd	5.1km W of Rickaby Rd	Mount Terrible Rd	602.9	P3	
86065	Bluff Rd	Mount Terrible Rd	1.0km N of Mount Terrible Rd	1027	P2	Intersection with Mount Terrible Road has poor sight distances to right due to vertical curve, radii tight, 7m seal, no edge lines, 1.5m unsealed shoulders, guide posts, trees generally 4m back, very tight horizontal curve needs advisory speed sign, 50 km/h zone into Bluff Beach
86070	Bluff Rd	1.0km N of Mount Terrible Rd	Davit Dr	1383.3	P2	
90015	Boothill Station Rd	Waterloo Bay Rd	Pink Lake Rd	1134.1	P2	7.0m seal with no line marking, 1m unsealed shoulders, tight horizontal curves but sight lines good, give way at intersection with Waterloo Bay Road, sight distances are very poor, radii insufficient
118005	Bublacowie Rd	Harry Butler Rd	Mumford Rd	3879.1	P4	7m carriageway, clear zone generally fine, some minor areas with trees to edge, alignment fine, pavement poor, intersection with Harry Butler Road has good sight distances, radii ok has give ways on minor legs
118010	Bublacowie Rd	Mumford Rd	Cutline Rd	1340.6	P3	6-7m carriageway, alignment good, pavement poor quality, some vegetation 1m back from edge, intersection with Mumford Road is a staggered T
118015	Bublacowie Rd	Cutline Rd	Rabbit Corner Rd	1707.3	P3	Typically 6.5m unsealed carriageway, some tight horizontal curves, sight lines ok, vegetation 1m from edge, pavement fine, give ways at Cutline Road, sight distances fine, radii good
118020	Bublacowie Rd	Rabbit Corner Rd	Stockers Lake Rd	3592.6	P2	6m carriageway, vegetation on edges of carriageway, trees 1m back for long section, pavement good, alignment has some tight curves, intersection with Brentwood Road has give ways, drainage channel over road makes a big dip, sight distances ok, radii ok, Y-junction with Rabbit Corner Road has very poor sight lines due to angle and radii insufficient for left turns
118025	Bublacowie Rd	Stockers Lake Rd	Weavers Rd	3495	P3	Junction with Weavers Road has no hazard board, sight distances tight due to poor angle, radii tight for left turn out, 6.5m to 7m carriageway, alignment good, short section with vegetation to edge only, pavement poor, tight horizontal curve at Stockers Lake Road due to long grass and vegetation
148005	Cemetery Rd (Minlaton)	Yorke Hwy	1.0km W of Yorke Hwy	1072.7	P2	Junction with Yorke Highway has poor angle, sight distances tight due to angle, radii tight, 6m seal with no line marking, 1.5m unsealed shoulders, alignment fine, pavement poor, trees 4m back, has priority at McKenzie Road
148010	Cemetery Rd (Minlaton)	1.0km W of Yorke Hwy	2.0km W of Yorke Hwy	997.4	P2	
148015	Cemetery Rd (Minlaton)	2.0km W of Yorke Hwy	Watson Beach Rd	1171.6	P2	
161005	Chinaman Wells Rd	Port Victoria Rd	2km W of Port Victoria Rd	1999.2	P1	Intersection with Port Victoria Road is at a poor angle, should be squared up, sight distance to right very tight due to horizontal curve on Port Victoria Road, has large grass island in middle of intersection for some movements? Radii appear ok
161010	Chinaman Wells Rd	2km W of Port Victoria Rd	South Kilkerran Rd	2062.1	P4	7.8m unsealed carriageway, straight and generally flat, trees 2-3m from edge, pavement good quality, has priority but intersection warning signs provided
161015	Chinaman Wells Rd	South Kilkerran Rd	2.1km W of South Kilkerran Rd	2101.7	P4	8m carriageway, straight, vegetation to edge, one vertical curve but sight lines fine
161020	Chinaman Wells Rd	2.1km W of South Kilkerran Rd	Nalyappa Rd	2255.4	P4	Straight one long vertical curve but sight lines fine, minor vegetation, warning sign about intersection
161025	Chinaman Wells Rd	Nalyappa Rd	2.5km W of Nalyappa Rd	2504.2	P4	7.5m wide unsealed carriageway, straight and flat, some vegetation in clear zone but generally good
161030	Chinaman Wells Rd	2.5km W of Nalyappa Rd	5km W of Nalyappa Rd	2500	P4	7.5m carriageway, straight and flat, clear zone good
161035	Chinaman Wells Rd	5km W of Nalyappa Rd	Beginning of seal	3307.8	P2	Tight alignment with two 90 degree bends, sight lines ok but vehicles will take up whole road, 7m carriageway, 30km/h speed zone into Chainman's Well shack area, sealed road past shacks
170075	Clinton Rd	Ardrossan Rd	1.0km E of Ardrossan Rd	1001.5	P3	Pavement treatment on opposite leg, 7.1m seal with no edge lines, 1.5m unsealed shoulders, straight and flat, vegetation 3m back at least, pavement quality good, culvert under road delineated by guide posts
170080	Clinton Rd	1.0km E of Ardrossan Rd	2.0km E of Ardrossan Rd	1001.6	P3	
170085	Clinton Rd	2.0km E of Ardrossan Rd	3.0km E of Ardrossan Rd	1001.6	P3	
170090	Clinton Rd	3.0km E of Ardrossan Rd	4.0km E of Ardrossan Rd	1001.4	P3	6.9m seal, 2m unsealed shoulders, with guide posts, straight alignment, trees 4m back
170095	Clinton Rd	4.0km E of Ardrossan Rd	5.0km E of Ardrossan Rd	1001.2	P3	
170100	Clinton Rd	5.0km E of Ardrossan Rd	6.0km E of Ardrossan Rd	1001.2	P3	
170105	Clinton Rd	6.0km E of Ardrossan Rd	7.0km E of Ardrossan Rd	1001.2	P3	Back to back horizontal curves, sight distances good, drop off at Correll Road intersection on outside of curve 3m back, line marking faded, vegetation generally 4m back,
170110	Clinton Rd	7.0km E of Ardrossan Rd	8.0km E of Ardrossan Rd	1001	P3	
170115	Clinton Rd	8.0km E of Ardrossan Rd	9.0km E of Ardrossan Rd	1001.9	P3	
170120	Clinton Rd	9.0km E of Ardrossan Rd	10.0km E of Ardrossan Rd	1001.9	P3	7.1m wide seal, 2m plus unsealed shoulders, straight alignment, some vertical curves sight lines are fine,
170125	Clinton Rd	10.0km E of Ardrossan Rd	11.0km E of Ardrossan Rd	1002	P3	
170130	Clinton Rd	11.0km E of Ardrossan Rd	12.0km E of Ardrossan Rd	1002	P3	
170135	Clinton Rd	12.0km E of Ardrossan Rd	13.0km E of Ardrossan Rd	1002	P3	7.0m seal, 2m unsealed shoulders, some sections have hinge point at 2m and 1:2 batter approx. 2m high in clear zone, alignment straight
170140	Clinton Rd	13.0km E of Ardrossan Rd	14.0km E of Ardrossan Rd	1002	P3	

2018 Network Summary Risk Assessment - Final v16 / Commodity Routes

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FOR THE CHAIRMAN

10/05/2022 11:54 AM

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS	
170145	Clinton Rd	14.0km E of Ardrossan Rd	15.0km E of Ardrossan Rd	1002	P3		
175005	Coleman Rd	Correll Rd	Davey Rd	3941.4	P3	7.5m carriageway, trees 1m back, some tight horizontal curves with borderline sight distances due to vegetation, pavement quality good	
175010	Coleman Rd	Davey Rd	Melton South Rd	4930	P3	7.5m carriageway, alignment better, trees 3m back from edge, pavement fine, vegetation gets closer, has priority at junctions, warning signs are provided	
175015	Coleman Rd	Melton South Rd	Yorke Hwy	4220.2	P2	Junction with Yorke Highway has no hazard board, no give ways but priority is clear, sight distances are good and radii sufficient, 6.5m carriageway, road width varies, one tight crest with low sight distance, road is set down so some embankments on edges, clear zone generally good some vegetation, intersection with Melton South Road has give ways, sight distance tight to right, radii tight but can make using whole road	
189005	Coringle Rd	Hayward Park Rd	St Vincent Hwy	2340.7	P2	7-8m carriageway, grass on shoulders, tight horizontal curve on Ulonga Road junction, junction with Hayward Park Road is hidden by a curve and vegetation but warning sign provided, has hazard board and sight distances are tight to north due to horizontal curve, radii tight	
189010	Coringle Rd	St Vincent Hwy	Stansbury Rd	1899.8	P3	8.0m carriageway, vegetation hanging over onto road from trees, large trees 3m from edge, pavement quality good, advanced give way sign blocked by trees, give way at St Vincent Highway sight distances good, radii o	
189015	Coringle Rd	Stansbury Rd	Oaklands Rd	2503.8	P1	Width between 6-7m due to grass on shoulders, clear zone good, pavement good, give way at Stansbury Road sight distances tight to south due to vegetation, radii tight for B Doubles	
189020	Coringle Rd	Oaklands Rd	Weavers Rd	2627.2	P1	Y-junction with Weaves Hill Road, poor angle makes sight lines poor, radii good except for left turn due to angle, some tight horizontal curves with no curve widening, 7.0m wide carriageway, give ways for Oaklands Road, sight lines are tight due to vegetation	
193025	Corny Point Rd	Liddiard Rd	1.0km E of Liddiard Rd	1002.2	P3	8.0m unsealed carriageway, pavement good quality, stobies 3-4m from edge, trees same distance back, alignment good, flat	
193030	Corny Point Rd	1.0km E of Liddiard Rd	2.0km E of Liddiard Rd	1002	P3		
193035	Corny Point Rd	2.0km E of Liddiard Rd	3.0km E of Liddiard Rd	1002.1	P3		
193040	Corny Point Rd	3.0km E of Liddiard Rd	4.0km E of Liddiard Rd	1002.2	P3		
193045	Corny Point Rd	4.0km E of Liddiard Rd	5.0km E of Liddiard Rd	1002.2	P3		
193050	Corny Point Rd	5.0km E of Liddiard Rd	6.0km E of Liddiard Rd	1002.2	P3		
193055	Corny Point Rd	6.0km E of Liddiard Rd	7.0km E of Liddiard Rd	1002.3	P3		
193060	Corny Point Rd	7.0km E of Liddiard Rd	8.0km E of Liddiard Rd	1002.2	P3		
193065	Corny Point Rd	8.0km E of Liddiard Rd	9.0km E of Liddiard Rd	1002.3	P3		
193070	Corny Point Rd	9.0km E of Liddiard Rd	10.0km E of Liddiard Rd	1002.1	P1		
193075	Corny Point Rd	10.0km E of Liddiard Rd	11.0km E of Liddiard Rd	1001.5	P3	7.2m wide carriageway, trees and vegetation 3m from edge, one tight crest with sight line issues, generally straight, some corrugations in pavement,	
193080	Corny Point Rd	11.0km E of Liddiard Rd	12.0km E of Liddiard Rd	1001	P3		
193085	Corny Point Rd	12.0km E of Liddiard Rd	13.0km E of Liddiard Rd	1001.8	P3		
193090	Corny Point Rd	13.0km E of Liddiard Rd	14.0km E of Liddiard Rd	1001.8	P4		
193095	Corny Point Rd	14.0km E of Liddiard Rd	15.0km E of Liddiard Rd	1001.8	P4		
193100	Corny Point Rd	15.0km E of Liddiard Rd	16.0km E of Liddiard Rd	1001.8	P4		
193105	Corny Point Rd	16.0km E of Liddiard Rd	17.0km E of Liddiard Rd	1001.8	P3		
193110	Corny Point Rd	17.0km E of Liddiard Rd	18.0km E of Liddiard Rd	1001.8	P3		
193115	Corny Point Rd	18.0km E of Liddiard Rd	19.0km E of Liddiard Rd	1001.8	P3		
193120	Corny Point Rd	19.0km E of Liddiard Rd	20.0km E of Liddiard Rd	1001.8	P4		
193125	Corny Point Rd	20.0km E of Liddiard Rd	21.0km E of Liddiard Rd	1001.8	P4	7.2m carriageway, straight alignment, some vertical curves but sight lines good, stobie poles 4-5m from edge some other minor trees, pavement has minor pot holes in it	
193130	Corny Point Rd	21.0km E of Liddiard Rd	22.0km E of Liddiard Rd	1001.8	P4		
193135	Corny Point Rd	22.0km E of Liddiard Rd	23.0km E of Liddiard Rd	1002	P3		
193140	Corny Point Rd	23.0km E of Liddiard Rd	24.0km E of Liddiard Rd	1002.2	P3		
193145	Corny Point Rd	24.0km E of Liddiard Rd	25.0km E of Liddiard Rd	1002.2	P3		
193150	Corny Point Rd	25.0km E of Liddiard Rd	26.0km E of Liddiard Rd	1002.2	P3		Intersection with Point Turton Road has give ways, sight distances good in both directions, radii good except for left turn to south, stobie pole in corner of intersection, approach sight distance good
193155	Corny Point Rd	26.0km E of Liddiard Rd	27.0km E of Liddiard Rd	1002.2	P4		
193160	Corny Point Rd	27.0km E of Liddiard Rd	28.0km E of Liddiard Rd	1002.2	P4		
193165	Corny Point Rd	28.0km E of Liddiard Rd	28.7km E of Liddiard Rd (end of unsea	699.4	P4		
214005	Cunningham Rd	Spencer Hwy	Francis Rd	1522.4	P4		Intersection with Spencer Highway has good sight distances, radii ok, give way provided, straight and generally flat alignment, clear zone good few minor trees, tall grass in verge, 7.0m unsealed carriageway, pavement good quality, intersection with Francis Road has priority, give ways on minor legs
214010	Cunningham Rd	Francis Rd	2km E of Francis Rd	1997.7	P3	Carriageway narrows to 6.0m then up to 7.0m unsealed, tall grass, trees 3m from edge, pavement good quality, alignment good, intersection with Pine Point Road has give ways, sight distances good, radii ok	
214015	Cunningham Rd	2km E of Francis Rd	Pine Point Rd	1703.2	P3		
214020	Cunningham Rd	Pine Point Rd	Back Rd	2355.2	P1		
220005	Cutline Rd	St Vincent Hwy	Turville Park Rd	1198.2	P3		
220010	Cutline Rd	Turville Park Rd	Little Glory Rd	2236.5	P4	Approach sight distance good, has give ways but no hazard board, sight distances good, radii good	
220015	Cutline Rd	Little Glory Rd	Oaklands Rd	2654.2	P3	7m carriageway, alignment fine, pavement good, some minor trees in clear zone	
220020	Cutline Rd	Oaklands Rd	Weavers North Rd	3610.2	P3	7m carriageway, straight and flat, some trees within clear zone, pavement good, priority over minor side roads, all have give ways	
220025	Cutline Rd	Weavers North Rd	Savage Hut Rd	3656.4	P2	6.7m wide carriageway, straight, trees 1-3m back within clear zone, pavement fine	
220030	Cutline Rd	Savage Hut Rd	Bublacowie Rd	4418.5	P3	7m carriageway, vegetation up to edge, trees generally 2m back, straight, some vertical curves, several advanced warning signs to Weavers North Road intersection as approach sight distance very poor due to crest just before intersection, difficult for sight distance from Weavers Road	
220035	Cutline Rd	Bublacowie Rd	Harry Butler Rd	3643.6	P3	7m carriageway, trees up to edge along both sides, straight, one tight vertical curve with minor sight lines issues, pavement good, has priority at Savage Hut Road	
220040	Cutline Rd	Harry Butler Rd	Kangaroo Flat Rd	2241.8	P3	Carriageway 6-7m wide, straight with several vertical crests, trees up to edge of carriageway in some minor sections, pavement has some pot holes, has priority at Bublacowie Road	
220045	Cutline Rd	Kangaroo Flat Rd	Anderson Rd	3556.4	P3	6.5m carriageway, pavement good, straight, some trees close to road in clear zone, advanced give way warning sign, give way at Harry Butler Road, sight distances good, radii good	
						Alignment fine, 7m carriageway, trees and vegetation up to edge, pavement fine, intersection with Kangaroo Flat Road has priority, gone ways on minor roads	

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TABLE 1 - CONTINUED

TABLE 1 - CONTINUED

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
220050	Cutline Rd	Anderson Rd	Coast	3255.2	P3	Intersection with Yorke Highway has good sight distances, radii good, give ways provided, approach sight distance to intersection poor due to crest, 6.5-7m carriageway some vegetation on edges, vegetation up to edge, alignment straight some minor vertical curves, clear zone has some sections of vegetation up to edge, generally good, pavement has large corrugations, has priority at Anderson Road
225005	Daly Head Rd	Marion Bay Rd	2.3km W of Marion Rd (at Rd bend)	2274.6	P2	Staggered T junction with Marion Bay Road, radii tight for left turns will cross centre lines, sight distances tight to right and left, hazard board and give ways provided, 8m unsealed carriageway, some tight horizontal curves but sight lines good, vegetation 1m back
225010	Daly Head Rd	2.3km W of Marion Rd (at Rd bend)	West Coast Rd	1490.4	P3	8m carriageway, some batter slope drop off on outside of curve, 1-2m deep, alignment has some tight curves but sight lines are ok
225015	Daly Head Rd	West Coast Rd	2.2km W of West Coast Rd (at Rd bend)	2199.9	P3	8-9m carriageway, guide posts on curves, alignment fine, minor batter slope issues only 0.5m deep on edge of pavement
225020	Daly Head Rd	2.2km W of West Coast Rd (at Rd bend)	Daly Head	2633.1	P1	Road narrows to 5-6m with high edged where road is cut in so difficult to get off road, tight horizontal curves with limited sight distances, not B Double road
254005	Dowlingville Slant Rd	Yorke Hwy	Cook Rd	2463.4	P2	Intersection with Yorke Highway has give way, sight distances are very good, radii tight for left turns, sealed throat but pavement quality poor, a lot of guide posts, 8.0m unsealed carriageway, stobies on south side then north some as close as 2m but generally 3-4m back, Cook Road intersection it has priority other legs have give ways, sight lines from minor legs not great horizontal curve
254010	Dowlingville Slant Rd	Cook Rd	Mason Rd	4286.4	P2	6.0m carriageway, vegetation up to edge, less non-frangible trees however, alignment generally good, road widens to west end, give way sign partially obscured by vegetation, intersection with Mason Road is a poor angle, sight distances poor due to angle and vegetation, radii tight
254015	Dowlingville Slant Rd	Maspon Rd	Clinton Rd	2964.8	P3	7.5m unsealed carriageway, trees 2m from edge, floodway alignment tight, 6 way junction with Clinton Road, give way sign and advanced sign plus hazard board, sight distances good, radii good
350005	Gap Rd	Spencer Hwy	2.5km W of Spencer Hwy	2496.6	P3	Intersection with Spencer Highway has give way, sight distances good, radii tight for left turn out, unsealed carriageway, vegetation to edge, straight alignment,
350010	Gap Rd	2.5km W of Spencer Hwy	Rocky Bend Rd	2491.5	P3	8.0m unsealed carriageway, straight and flat, minor vegetation only, intersection with Rocky Bend Road has priority but is a hazard board and tight horizontal curve short length however
350015	Gap Rd	Rocky Bend Rd	1.7km W of Rocky Bend Rd	1700	P3	6.5m carriageway, straight, vegetation to edge of road, pavement quality good
350020	Gap Rd	1.7km W of Rocky Bend Rd	Nalyappa Rd	1730.5	P2	Flat and straight, intersection with Nalyappa Road has give ways, sight distances good, being reconstructed currently, radii look tight
350025	Gap Rd	Nalyappa Rd	2.2km W of Nalyappa Rd	2202.1	P3	6.5m carriageway, straight, minor crest, minimal vegetation now,
350030	Gap Rd	2.2km W of Nalyappa Rd	Coast	2713.4	P3	Road narrows and then widens, low lying areas of the road may be flooded at times, no room for heavy vehicles to turn at end of road
255005	Dump Rd	Minlaton Rd	2.2km E of Minlaton Rd (adj Drway)	2217.1	P3	7.0m carriageway, alignment has some horizontal curves with tight sight lines, junction with Minlaton Road has good sight distances, radii good, no hazard board
255010	Dump Rd	2.2km E of Minlaton Rd (adj Drway)	4.3km E of Minlaton Rd (adj side Rd)	2140.3	P3	Some curves but alignment fine, pavement good and 7.0m wide, clear zone good
255015	Dump Rd	4.3km E of Minlaton Rd (adj side Rd)	Lake Sundown Rd	2457.7	P4	7.0m carriageway, straight, clear zone good,
255020	Dump Rd	Lake Sundown Rd	2.4km E of Lake Sundown Rd	2382.7	P3	7-8m carriageway width increases, straight, some trees 1-2m from edge, intersection with Sundown Lake Road has priority, give ways on minor legs
255025	Dump Rd	2.4km E of Lake Sundown Rd	Powerline Rd	2289	P4	To dump, 7.0m carriageway, straight, generally non-frangible trees and bushes in clear zone, pavement quality good, some vertical but sight lines good
255030	Dump Rd	Powerline Rd	St Vincent Hwy	1235	P4	Junction with St Vincent Highway has good sight distances, radii good, no hazard board, 7.0m carriageway, straight road, bushes and some minor trees in clear zone, no Powerline Road?
367005	Gleesons Rd	White Hut	2.5km W of White Hut Rd	2532.3	P3	Has give way onto Hays Road sight distances are good, radii tight, then give way onto White Hut Road, sight distances tight but just sufficient, radii ok
367010	Gleesons Rd	2.5km W of White Hut Rd	5.0km W of White Hut Rd	2508.8	P3	7m carriageway, straight and flat, one s bend but sight lines are good, trees 3m from edge, not all along road
367015	Gleesons Rd	5.0km W of White Hut Rd	Rockleigh Rd	2459.1	P3	
367020	Gleesons Rd	Rockleigh Rd	Marion Bay Rd	1488.4	P3	Intersection has good sight distances, radii tight for left turns, give way provided, approach sight distance is good
367025	Gleesons Rd	Marion Bay Rd	2.5km W of Marion Bay Rd	2505.6	P3	Intersection with Marion Bay Road has good sight distances, radii tight for left turns will cross centreline, staggered T junctions, no hazard boards, has give way, 6.0m unsealed carriageway, flat and straight, vegetation 3m from edge, has guide posts
367030	Gleesons Rd	2.5km W of Marion Bay Rd	West Coast Rd	2925.4	P3	6.0m carriageway, some horizontal curves, sight lines ok, guide posts to delineate, vegetation generally 4m back
367035	Gleesons Rd	West Coast Rd	Gleesons	2766.2	P1	Road narrows to single lane track, no room to get off road, pavement gone tight curves
394005	Gun Club Rd	Spencer Hwy	Barkers Rocks Rd	3777.9	P1	Junction with Spencer Highway is a Y-junction with poor angle, sight distances to left is bad due to angle, radii impacted due to angle, has give way no hazard board, 6.5m to 7m carriageway, needs to be graded to full width, some tree in clear zone but minor, alignment has curves but sight lines good, need some curve widening, have give ways at Barkers Racks Road, sight distance to right impeded by vegetation, radii very tight
394010	Gun Club Rd	Barkers Rocks Rd	Koolywurtie Church Rd	3702.9	P3	7m carriageway, not always graded to full width however, trees 1-2m back from edge, alignment fine, pavement good, intersection with Koolywurtie Church Road has give ways, vegetation impacts all sight lines, radii ok
394015	Gun Club Rd	Koolywurtie Church Rd	Didiyamulka Rd	3516.6	P3	7-8m unsealed carriageway, some stobies 4-5m from edge, trees 1-2m back but mostly frangible, alignment good, pavement ok, intersection with Didiyamulka Road has good sight distances, radii ok, give ways provided
394020	Gun Club Rd	Didiyamulka Rd	Newbold Rd	4394.2	P3	7m carriageway, alignment good, flat, trees 2m from edge, some stobies 4-5m back, pavement a bit patchy with pot holes, give ways at Newbold Road, sight distances good, radii tight, minor vegetation
394025	Gun Club Rd	Newbold Rd	Wauralteed Rd	3614.2	P2	7m carriageway, tight horizontal curves, one with sight lines issues due to vegetation, minor trees in clear zone, pavement has pot holes, junction with Wauralteed Rd is large with poor angles, sight lines ok if you square up but poor angles, radii ok for some movements, grass island
408005	Hayward Park Rd	North Tce	1.0km N of North Tce	1036.5	P4	
408010	Hayward Park Rd	1.0km N of North Tce	2.0km N of North Tce	1032	P4	Starts in town, pedestrian signs, 7.8m seal with 0.3m sealed shoulders and 3.6m lanes, 1.5m unsealed shoulders, trees on eastern side 4m from edge line, straight alignment
408015	Hayward Park Rd	2.0km N of North Tce	3.0km N of North Tce	1023.2	P4	
408020	Hayward Park Rd	3.0km N of North Tce	4.0km N of North Tce	999.6	P4	
408025	Hayward Park Rd	4.0km N of North Tce	St Vincent Hwy	1263.1	P4	Junction with St Vincent Highway has good warning signage, well delineated and curve on approach, sight distances are good, radii is good, large hazard board
411005	Heel Rd	Wattle Point Rd	1.5km W of Wattle Point Rd	1515.8	P3	
411010	Heel Rd	1.5km W of Wattle Point Rd	Goldsmith Beach Rd	1480	P3	6-7m wide carriageway, alignment flat with horizontal curves, vegetation to edge and some overhanging carriageway, pavement poor
411015	Heel Rd	Goldsmith Beach Rd	2.0km W of Goldsmith Beach Rd	2004.6	P3	6.5m carriageway, alignment good, flat and generally straight, clear zone generally good, junction with Troubridge Point Drive has give way and hazard board, sight distances tight due to horizontal curve, radii tight
411020	Heel Rd	2.0km W of Goldsmith Beach Rd	Troubridge Hill Rd	2151.7	P3	
417005	Hickeys Dr	Coobowie	1.0km E of Coobowie	1121	P4	

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TABLE 1 - CONTINUED

TABLE 1 - CONTINUED

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
417010	Hickeys Dr	1.0km E of Coobowie	2.0km E of Coobowie	1021.3	P4	6.8m seal with no edge lines, 1m unsealed shoulders, pavement good, tight horizontal curves, warning signs provided, trees generally 4m back, sight lines fine, houses coming into Coobowie, 50 zone
417015	Hickeys Dr	2.0km E of Coobowie	3.0km E of Coobowie	981	P4	
417020	Hickeys Dr	3.0km E of Coobowie	Giles (Start of OPTI Rd)	1154.8	P4	
434005	Honner Rd (Gum Flat Ward)	Harry Butler Rd	End of Seal 3.1km W of Harry Butler Rd	3077	P3	Intersection with Harry Butler Road has good sight distances, radii very good, give way provided well set back, clear zone good except for 500m section where trees up to edge, 8m unsealed carriageway
434010	Honner Rd (Gum Flat Ward)	Start of Seal 3.1km W of Harry Butler Rd	4.1km W of Harry Butler Rd	1014	P3	
434015	Honner Rd (Gum Flat Ward)	4.1km W of Harry Butler Rd	5.1km W of Harry Butler Rd	1028.6	P3	5.8m seal with no sealed shoulders, 1m unsealed shoulders, seal widens to 6.5m, clear zone generally good some trees 2m back, alignment fine, no line marking or delineation, intersection with Yorke Highway has very wide radii, sight distances good
434020	Honner Rd (Gum Flat Ward)	5.1km W of Harry Butler Rd	Yorke Hwy	1116	P3	
472005	Kainton Rd	Holman Rd	1.2km S of Holman Rd	1150.9	P4	6.2m seal, no edge lines, good unsealed shoulders, flat and straight with dashed centreline, some trees 5m back, intersection with Holman Road has priority, Holman has give ways
472010	Kainton Rd	1.2km S of Holman Rd	2.2km S of Holman Rd	957.4	P4	6.2m seal, no edge lines, 1.5m unsealed shoulders, flat and straight alignment, trees 5m from edge of seal, dashed line, some guide posts,
472015	Kainton Rd	2.2km S of Holman Rd	Upper Yorke Rd	1114.9	P3	Tight alignment into Upper Yorke Road but sight lines are good, radii tight for left turn would cross centreline, sealed road, school bus route signage, some guide posts, 6.4m seal, no sealed shoulders, 1.5m unsealed shoulders, horizontal curve with 85km/h speed advisory,
472020	Kainton Rd	Upper Yorke Rd	Reservoir Rd	1820	P3	carriageway 9m wide, one long tight horizontal curve has guide posts and warning signs, intersection with Upper Yorke Road has give ways, sight distances very good, 5 way intersection, pavement good quality no sealed throat
472025	Kainton Rd	Reservoir Rd	Bridge Rd	3165.9	P4	Minor trees on edge of road, 9m carriageway, minor curves sight lines sufficient, intersection with Wallyalla Road has priority, give ways on minor legs,
472030	Kainton Rd	Bridge Rd	Melton South Rd	2196.8	P4	9m carriageway, small trees up to edge of road, some horizontal curves but sight lines good, curve warning sign on one, pavement quality good
472035	Kainton Rd	Melton South Rd	Yararoo Rd	4602.4	P3	9m wide unsealed carriageway, pavement good quality, small trees within 2m of edge, some tight horizontal curves with sight line issues, Melton South Road has priority, give way warning sign on Kainton Road and the give ways at intersection, 5 way intersection, sight lines are tight due to vegetation but once you move forward they open up, still tight to Williamson Road
472040	Kainton Rd	Yararoo Rd	Yorke Hwy	3816.7	P3	Junction with Yorke Highway has very good sight distances, angle poor makes left turn out difficult, give way sign, no hazard board, radii good except for left turn out, unsealed road, 7m wide unsealed carriageway, drainage channel on one side of road, very deep and only 2m from edge of carriageway, some tight curves but sight lines fine, couple of tight curve with sight line issues, very tight crest at top of hill with sight line issues, Yararoo Road junction has poor sight lines
519015	Lime Kiln Rd (Port Vincent)	Old Coast Rd	St Vincent Hwy	1524.1	P3	6.0m seal with no edge lines, 1.5m unsealed shoulders, alignment fine, trees 4m back at least, junction with St Vincent Highway has good radii and good sight distances
574005	McEacherns Beach Rd	St Vincent Hwy	3km S of St Vincent Hwy	2999.7	P2	Intersection with St Vincent Highway has give way, sight distances good to left, tight to right due to horizontal curve, radii ok, stobie pole in south east corner, 6.5m carriageway, looks narrower around some 90 degree curves, tight sight lines, vegetation 2m back, large pools of water on road
574010	McEacherns Beach Rd	3km S of St Vincent Hwy	Waterloo Bay Rd (50m north of inters)	2909.1	P3	6.5m unsealed carriageway, straight with some crests, tight sight lines, vegetation to edge in sections, drainage issues,
574015	McEacherns Beach Rd	Waterloo Bay Rd (50m north of inters)	1.0km S of Waterloo Bay Rd	1040.9	P4	
574020	McEacherns Beach Rd	1.0km S of Waterloo Bay Rd	2.1km S of Waterloo Bay Rd	1128.1	P4	Intersection with Waterloo Bay Road has good sight distances, slightly impacted by vegetation, radii good except for left turn to west may cross centreline, has give ways, 7.0m seal with 1m unsealed shoulders, straight alignment with minor vertical curves, trees 3m back, stobies 6m back, line marking faded,
574025	McEacherns Beach Rd	2.1km S of Waterloo Bay Rd	3.0km S of Waterloo Bay Rd	902.1	P4	
574030	McEacherns Beach Rd	3.0km S of Waterloo Bay Rd	Marine Pde	1025.1	P3	7m seal with 1-1.5m unsealed shoulders, intersection with Marine Parade has give ways, sight distances good, radii tight
587005	Melton South Rd	Upper Yorke Rd	1.0km S of Upper Yorke Rd	998.1	P3	Intersection has give ways, sight distances good, vegetation to left impacts sight line slightly, radii ok, may cross centre line slightly but generally good, service lid in corner may get run over, one give way sign, intersection warning sign on approach, approach sight distance is good
587010	Melton South Rd	1.0km S of Upper Yorke Rd	2.0km S of Upper Yorke Rd	998.1	P3	
587015	Melton South Rd	2.0km S of Upper Yorke Rd	3.0km S of Upper Yorke Rd	998.1	P3	9.0m unsealed carriageway, good camber on pavement, trees 3m back, straight and flat section of road, intersection warning signs provided, Melton South Road has priority, water likely to sit on side drains due to flat road and no escape
587020	Melton South Rd	3.0km S of Upper Yorke Rd	4.0km S of Upper Yorke Rd	998.1	P3	
587025	Melton South Rd	4.0km S of Upper Yorke Rd	5.0km S of Upper Yorke Rd	998.4	P3	
587030	Melton South Rd	5.0km S of Upper Yorke Rd	6.0km S of Upper Yorke Rd	998.5	P3	Segment starts with Wallyalla Road intersection, Melton South Road has a horizontal curve through this intersection, road is then straight and flat again, side roads have give ways, vegetation up to edge of carriageway, trees within 1m of edge, 8.0m carriageway
587035	Melton South Rd	6.0km S of Upper Yorke Rd	7.0km S of Upper Yorke Rd	998.5	P3	
587040	Melton South Rd	7.0km S of Upper Yorke Rd	8.0km S of Upper Yorke Rd	998.4	P3	
587045	Melton South Rd	8.0km S of Upper Yorke Rd	9.0km S of Upper Yorke Rd	998.1	P3	Horizontal curve is sign posted, vegetation still up to edge of carriageway, pavement has some pot holes, alignment good
587050	Melton South Rd	9.0km S of Upper Yorke Rd	10.0km S of Upper Yorke Rd	998.1	P3	
587055	Melton South Rd	10.0km S of Upper Yorke Rd	11.0km S of Upper Yorke Rd	998.1	P3	Alignment fine, horizontal curve good, some loose material on pavement, sealed section of pavement past house, vegetation still along edge of road, 8.0m carriageway
587060	Melton South Rd	11.0km S of Upper Yorke Rd	12.0km S of Upper Yorke Rd	998.1	P3	
587065	Melton South Rd	12.0km S of Upper Yorke Rd	13.0km S of Upper Yorke Rd	998.2	P3	
587070	Melton South Rd	13.0km S of Upper Yorke Rd	14.0km S of Upper Yorke Rd	998.3	P3	8.0m carriageway, some vertical curves, sight lines are tight but width sufficient, vegetation mainly just on western side of road, pavement good, some minor intersections are signed
587075	Melton South Rd	14.0km S of Upper Yorke Rd	15.0km S of Upper Yorke Rd	998.3	P3	
587080	Melton South Rd	15.0km S of Upper Yorke Rd	16.0km S of Upper Yorke Rd	998.2	P3	
587085	Melton South Rd	16.0km S of Upper Yorke Rd	17.0km S of Upper Yorke Rd	998.1	P4	Approach to Clinton Road is good, has give way and sealed throat, staggered T junction, from north sight distance to left tight, right good, has hazard board, from south has duplicated give ways, sight distances are ok, radii really good, well set up
587095	Melton South Rd	18.0km S of Upper Yorke Rd	19.0km S of Upper Yorke Rd	998.1	P4	Straight alignment but several vertical curves with tight sight lines, some large pot holes in pavement and lose material, trucks accessing mine and side roads, less non-frangible vegetation, generally just bushes up to edge of road, 8.0m carriageway,
587100	Melton South Rd	19.0km S of Upper Yorke Rd	20.0km S of Upper Yorke Rd	998.1	P4	
587105	Melton South Rd	20.0km S of Upper Yorke Rd	21.0km S of Upper Yorke Rd	998.1	P4	
587110	Melton South Rd	21.0km S of Upper Yorke Rd	22.0km S of Upper Yorke Rd	998.3	P4	8.0m carriageway still, narrows slightly for a section, tight horizontal curve but sight lines good, some trees 2m back from edge,
587115	Melton South Rd	22.0km S of Upper Yorke Rd	Yorke Hwy	405.2	P3	Approach to Crowell Road has good sight distance, throat sealed, very large pot holes in sealed pavement, give way sign, sight distances to right good, to left is Yorke Highway, radii tight for left turns to stay on correct side of road
592005	Mickey Flat Rd	Fourth St	1.1km End of Seal NE of Fourth St	1081.6	P3	Horizontal curve with tight sight lines due to vegetation, batter slope issues 5m from edge due to road being raised, pavement has pot holes, 6m seal with 1m unsealed shoulders
593005	Micky Flat Rd	End of Seal .9km E of North Tce	Cemetery Rd	2551.6	P3	7.5m unsealed carriageway, vegetation to edge, tight horizontal curves with sight line issues due to vegetation, intersection with Cemetery Road has priority is on tight curve sight lines impacted by vegetation
593010	Micky Flat Rd	Cemetery Rd	Powerline Rd	4894.7	P3	7-8m carriageway, straight, pavement uneven and poor, trees 1-2m back for long sections, has priority at intersections

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CONFIDENTIAL

CONFIDENTIAL

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
593015	Micky Flat Rd	Powerline Rd	St Vincent Hwy	5465.9	P3	7m carriageway, straight and flat, trees along edge 1-2m back, pavement good, intersection with St Vincent Highway has good sight distances from west but east they are impacted to north by horizontal curve, radii good
593020	Micky Flat Rd	St Vincent Hwy	Old Coast Rd	1946.8	P2	6m carriageway, with trees along edge, pavement good, sight distances tight at Old Coast Road due to vegetation and vertical curve, radii tight
619005	Mount Rat Wells Rd	Spencer Hwy	Andrews Rd	5265.2	P1	Intersection with Spencer Highway has 7 legs, poor alignment makes sight distances to left difficult, radii tight for some turns due to angle, give way provided, advanced warning sign has poor approach sight distance due to vertical curve
619010	Mount Rat Wells Rd	Andrews Rd	Black Bobs Rd	3268.6	P3	7m carriageway, trees along edge most frangible, alignment good, generally straight, pavement fine, tall grass up to edge
619015	Mount Rat Wells Rd	Black Bobs Rd	Redding Rd	3498	P3	6m unsealed carriageway, tall grass to edges, some trees 3m back, straight alignment, pavement has some pot holes, seems to be drainage issues
619020	Mount Rat Wells Rd	Redding Rd	Mount Rat Rd	3227.5	P2	6m carriageway, pavement poor, some tight horizontal and vertical curves with sight line issues, need curve widening, junction with Mount Rat Road has no hazard board, has give ways, sight distances good radii ok
635005	Nalyappa Rd	Spencer Hwy	1.0km S of Spencer Hwy	999.6	P1	Junction with Spencer Highway is a Y-junction with large grass island in middle, alignment is poor and sight angle difficult to the right, turning movements would be impacted for heavy vehicles by alignment, has guide posts to delineate
635010	Nalyappa Rd	1.0km S of Spencer Hwy	2.0km S of Spencer Hwy	999.3	P3	
635015	Nalyappa Rd	2.0km S of Spencer Hwy	3.0km S of Spencer Hwy	999.1	P3	9.4m wide unsealed carriageway, some vegetation up to edge, straight with some crests, sight lines are tight but seem ok, cuttings with faces right n edge of carriageway
635020	Nalyappa Rd	3.0km S of Spencer Hwy	4.0km S of Spencer Hwy	999	P3	
635025	Nalyappa Rd	4.0km S of Spencer Hwy	5.0km S of Spencer Hwy	1001.3	P2	
635030	Nalyappa Rd	5.0km S of Spencer Hwy	6.0km S of Spencer Hwy	997.5	P2	9.0m carriageway, some tight horizontal curves with sight line issues, vegetation up to edge of road, pavement a bit patchy
635035	Nalyappa Rd	6.0km S of Spencer Hwy	7.0km S of Spencer Hwy	997.6	P2	
635040	Nalyappa Rd	7.0km S of Spencer Hwy	8.0km S of Spencer Hwy	997.4	P4	
635045	Nalyappa Rd	8.0km S of Spencer Hwy	9.0km S of Spencer Hwy	999.4	P4	9.0m carriageway, tight crest, trees 1m back from edge, no delineation, pavement has some minor pot holes
635050	Nalyappa Rd	9.0km S of Spencer Hwy	10.0km S of Spencer Hwy	998.3	P4	
635055	Nalyappa Rd	10.0km S of Spencer Hwy	11.0km S of Spencer Hwy	1000	P4	
635060	Nalyappa Rd	11.0km S of Spencer Hwy	12.0km S of Spencer Hwy	997.5	P4	Ferguson Road has give ways, Nalyappa Road is priority, junction warning signs provided along with curve warning signs, alignment good
635065	Nalyappa Rd	12.0km S of Spencer Hwy	13.0km S of Spencer Hwy	1000.3	P4	
635070	Nalyappa Rd	13.0km S of Spencer Hwy	14.0km S of Spencer Hwy	996.3	P2	
635075	Nalyappa Rd	14.0km S of Spencer Hwy	15.0km S of Spencer Hwy	1001.5	P2	three very tight horizontal curves with sight line issues, two crests also with sight line issues, road being reconstructed in this section, carriageway is 10.7m wide
635080	Nalyappa Rd	15.0km S of Spencer Hwy	16.0km S of Spencer Hwy	998	P2	
635085	Nalyappa Rd	16.0km S of Spencer Hwy	17.0km S of Spencer Hwy	998.1	P4	
635090	Nalyappa Rd	17.0km S of Spencer Hwy	18.0km S of Spencer Hwy	998.4	P4	Carriageway 9.0m wide, alignment fine, pavement good quality, some trees 2m back from edge,
635095	Nalyappa Rd	18.0km S of Spencer Hwy	19.0km S of Spencer Hwy	998.3	P4	
635100	Nalyappa Rd	19.0km S of Spencer Hwy	20.0km S of Spencer Hwy	998.4	P4	
635105	Nalyappa Rd	20.0km S of Spencer Hwy	21.0km S of Spencer Hwy	998.2	P4	Alignment good, one tight curve and then straight, minor crests but sight lines fine, carriageway 9m minimal trees in clear zone
635110	Nalyappa Rd	21.0km S of Spencer Hwy	22.0km S of Spencer Hwy	997.9	P4	
635115	Nalyappa Rd	22.0km S of Spencer Hwy	23.0km S of Spencer Hwy	997.9	P3	
635120	Nalyappa Rd	23.0km S of Spencer Hwy	24.0km S of Spencer Hwy	997.9	P3	Straight section of road, 7.7m carriageway, trees on edge of road,
635125	Nalyappa Rd	24.0km S of Spencer Hwy	25.0km S of Spencer Hwy	997.8	P3	
635130	Nalyappa Rd	25.0km S of Spencer Hwy	26.0km S of Spencer Hwy	997.9	P2	Flat and straight alignment, give way signs at Balgowan Road are a surprise, sight distance is tight due to vegetation have to move along way forward, radii tight for left turns
635135	Nalyappa Rd	26.0km S of Spencer Hwy	27.0km S of Spencer Hwy	997.8	P4	
635140	Nalyappa Rd	27.0km S of Spencer Hwy	28.0km S of Spencer Hwy	997.9	P4	6.4m unsealed carriageway, straight and generally flat, a few trees within 4m of edge
635145	Nalyappa Rd	28.0km S of Spencer Hwy	29.0km S of Spencer Hwy	997.9	P4	
635150	Nalyappa Rd	29.0km S of Spencer Hwy	30.0km S of Spencer Hwy	997.9	P4	
635155	Nalyappa Rd	30.0km S of Spencer Hwy	31.0km S of Spencer Hwy	997.9	P4	Carriageway width varies a bit, measured at 8.2m, straight some minor vertical curves but sight lines good, pavement fine, clear zone good
635160	Nalyappa Rd	31.0km S of Spencer Hwy	32.0km S of Spencer Hwy	997.9	P4	
635165	Nalyappa Rd	32.0km S of Spencer Hwy	33.0km S of Spencer Hwy	997.9	P4	
635170	Nalyappa Rd	33.0km S of Spencer Hwy	34.0km S of Spencer Hwy	997.9	P4	7.2m unsealed carriageway, was wider at sections, Moody Road had junction warning and priority, give ways on Moody Road, flat and straight
635175	Nalyappa Rd	34.0km S of Spencer Hwy	35.0km S of Spencer Hwy	997.9	P4	
635180	Nalyappa Rd	35.0km S of Spencer Hwy	36.0km S of Spencer Hwy	997.9	P2	
635185	Nalyappa Rd	36.0km S of Spencer Hwy	37.0km S of Spencer Hwy	997.9	P2	Advanced give way sign before Chinaman Wells Road, give ways at intersection, sight distance to right good to left bit blocked by embankment, radii tight, carriageway very wide flat and straight, intersection with Point Pearce Road has give ways, radii insufficient, sight distance to left poor
635190	Nalyappa Rd	37.0km S of Spencer Hwy	38.0km S of Spencer Hwy	997.9	P2	
635195	Nalyappa Rd	38.0km S of Spencer Hwy	39.0km S of Spencer Hwy	997.9	P4	
635200	Nalyappa Rd	39.0km S of Spencer Hwy	40.0km S of Spencer Hwy	997.9	P4	
635205	Nalyappa Rd	40.0km S of Spencer Hwy	41.0km S of Spencer Hwy	997.9	P4	7.2m carriageway, flat and straight, some trees only 3m from edge, sight lines good
635210	Nalyappa Rd	41.0km S of Spencer Hwy	42.0km S of Spencer Hwy	997.9	P4	
635215	Nalyappa Rd	42.0km S of Spencer Hwy	Port Victoria Rd	569	P3	No advanced warning signs but approach sight distance good to intersection, sight distances very good, radii good
642005	New Honiton Rd	West St	Sheoak Beach Rd	1316.1	P3	7m carriageway widens to 8m, straight and flat, stobles 4m from edge on southern side, pavement corrugated
642010	New Honiton Rd	Sheoak Beach Rd	Museum Rd	1526.7	P4	Carriageway varies between 7 and 8m, alignment flat with some curves, sight lines fine, clear zone good, pavement has a lot of pot holes
642015	New Honiton Rd	Museum Rd	Goldsmith Beach Rd	1565.9	P4	
642020	New Honiton Rd	Goldsmith Beach Rd	2.0km W of Goldsmith Beach Rd	2002.6	P4	7m unsealed carriageway, straight and generally flat, few trees 3m from edge, some drainage issues, intersection with Goldsmith Beach Road has priority, give ways on minor legs,
642025	New Honiton Rd	2.0km W of Goldsmith Beach Rd	Troubridge Hill Rd	1795.6	P4	
642030	New Honiton Rd	Troubridge Hill Rd	Gypsum Pit Rd	2768.9	P2	7.8m carriageway, alignment good, clear zone generally good, intersection with Troubridge Hill Road has give ways, sight distances to north poor, radii insufficient for left turns will cross centreline
642035	New Honiton Rd	Gypsum Pit Rd	2.0km W of Gypsum Pit Rd	2001.9	P4	7m carriageway, straight and generally flat, few trees within 3m of edge, has priority at Gypsum Pit Road intersection, give ways on minor legs
642040	New Honiton Rd	2.0km W of Gypsum Pit Rd	Boothill Station Rd	1691.2	P2	7m unsealed carriageway, tight alignment with several horizontal and vertical curves, some sight lines insufficient mainly due to vegetation, pavement good, clear zone has only minor non-frangible trees
642045	New Honiton Rd	Boothill Station Rd	Munkowurle Rd	1667.1	P2	
642050	New Honiton Rd	Munkowurle Rd	2.4km W of Munkowurle Rd	2370.1	P4	7-8m unsealed carriageway, straight with several vertical crests, sight lines tight but ok, clear zone generally good, pavement has some corrugations
642055	New Honiton Rd	2.4km W of Munkowurle Rd	McEachens Beach Rd	104.2	P4	7m seal, line marking faded, guide posts to delineate intersection
647005	North Coast Rd	End of Seal 0.56km W of Bayview Rd	1.0km W of Bayview Rd	487.2	P3	8.2m unsealed carriageway, has good pavement, clear zone good, guide posts on curve with warning sign, sight lines to other vehicles around curve are fine

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Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
647005	North Coast Rd	End of Seal 0.56km W of Bayview Rd	1.0km W of Bayview Rd	487.2	P3	8.2m unsealed carriageway, has good pavement, clear zone good, guide posts on curve with warning sign, sight lines to other vehicles around curve are fine
647010	North Coast Rd	1.0km W of Bayview Rd	2.0km W of Bayview Rd	1002.8	P2	<b>8m carriageway, stobies 1m from edge on northern side of road, shacks along northern side of road, straight and flat, minor crest and curve at end of segment, stobies get further back, some trees 2m from edge, stobies to other side 2m back, still 50 zone, houses, end of segment is end of 50 zone, several areas with drainage issues</b>
647015	North Coast Rd	2.0km W of Bayview Rd	3.0km W of Bayview Rd	1002.3	P2	
647020	North Coast Rd	3.0km W of Bayview Rd	4.0km W of Bayview Rd	1001.6	P2	
647025	North Coast Rd	4.0km W of Bayview Rd	5.0km W of Bayview Rd	1000.3	P3	
647030	North Coast Rd	5.0km W of Bayview Rd	6.0km W of Bayview Rd	999.1	P3	7.0m unsealed carriageway, road width does increase at points, some curve widening, junction warning signs provided, tight curves but sight lines ok, walk the yoke shared area, trees and stobies 2-3m from edge
647035	North Coast Rd	6.0km W of Bayview Rd	7.0km W of Bayview Rd	998.4	P3	
647040	North Coast Rd	7.0km W of Bayview Rd	8.0km W of Bayview Rd	999.3	P3	
647045	North Coast Rd	8.0km W of Bayview Rd	9.0km W of Bayview Rd	1001.4	P3	7.8m unsealed carriageway, alignment has some horizontal curves, stobies 1-2m from edge, shacks on northern side of road, no speed restrictions? some vegetation up to edge, tight vertical curve with sight line issues
647050	North Coast Rd	9.0km W of Bayview Rd	10.0km W of Bayview Rd	1001.8	P3	
647055	North Coast Rd	10.0km W of Bayview Rd	11.0km W of Bayview Rd	1002	P4	
647060	North Coast Rd	11.0km W of Bayview Rd	Point Souttar Rd	548.8	P4	7-8m wide carriageway, alignment fine, some trees but clear zone generally good, tight 90 degree turn to Point Souttar Road at end of segment
664005	Old Coast Rd	Moorara Rd	Micky Flat Rd	1104.3	P1	<b>Y-junction with Active Road has no give way for priority, 8.0m carriageway, very steep dip has warning signs</b>
664010	Old Coast Rd	Micky Flat Rd	1.6km S of Micky Flat Rd	1597.1	P3	8m unsealed carriageway, trees 1m from edge some minor curves but sight lines are good, some lose material on surface of pavement
664015	Old Coast Rd	1.6km S of Micky Flat Rd	Sheoak Flat Rd	1608.5	P4	7.5m wide carriageway, alignment good, some trees 2-3m from edge
664020	Old Coast Rd	Sheoak Flat Rd	Mulburra Park Rd	1897	P4	7-8m carriageway, lose material on surface, trees 2-3m from edge
664025	Old Coast Rd	Mulburra Park Rd	2.0km S of Mulburra Park Rd (at corner)	2022.8	P2	<b>8m carriageway, two very tight horizontal curves, sight lines impacts by some vegetation, no curve widening applied</b>
664030	Old Coast Rd	2.0km S of Mulburra Park Rd	Hickman Rd	1726.8	P3	7.2m carriageway, some tight curves, sight lines are ok, some trees in clear zone
664035	Old Coast Rd	Hickman Rd	Lime Kiln Rd	2250.6	P3	7-8m carriageway, some tight curves, some trees in clear zone, junction with Lime Kiln Road has good sight distances, radii good, no hazard board
667005	Old Port Vincent Rd	East Tee	Gum Flat Rd	475.8	P3	6m sealed width, no line marking, 1m unsealed shoulders, 50 km/h zone, alignment fine
667010	Old Port Vincent Rd	Gum Flat Rd	2.5km E of Gum Flat Rd	2493.9	P3	7m carriageway, tight back to back horizontal curves, sight lines are tight, pavement good, has guide posts, trees 2m from edge
667015	Old Port Vincent Rd	2.5km E of Gum Flat Rd	Bennett Rd	2271.4	P3	7m carriageway, pavement has some large pot holes, some sections have trees to edge others have good clear zones, some tight sight lines on vertical curves but generally sufficient,
667020	Old Port Vincent Rd	Bennett Rd	2.0km E of Bennett Rd	1999	P3	
667025	Old Port Vincent Rd	2.0km E of Bennett Rd	Cook Rd	1411	P3	
667030	Old Port Vincent Rd	Cook Rd	2.2km E of Cook Rd	2202.3	P3	6-7m wide carriageway, trees generally 3m back, alignment fine, sight lines are sufficient, pavement good
667035	Old Port Vincent Rd	2.2km E of Cook Rd	4.4km E of Cook Rd	2201.7	P3	6.5-7m carriageway, alignment ok, one crest, trees generally 3m back, pavement good
667040	Old Port Vincent Rd	4.4km E of Cook Rd	Port Vincent Rd	2186.1	P2	<b>Junction with Port Vincent Road has good radii as it is very wide, sight distance poor, very bad to left due to horizontal curve, has give way, steep slope to junction, approach sight distance poor has advanced warning sign, some trees right on edge of carriageway, 7m carriageway</b>
699005	Parsons Beach Rd	Bluff Rd	50 km/hr sign (Town entrance)	1001	P3	6.2m seal with 1m unsealed shoulders, straight, with two tight crests 50 km/h zone, vegetation up to edge
718005	Pink Lake Rd	St Vincent Hwy	2.6km W of St Vincent Hwy	2599.2	P3	Intersection with St Vincent Highway is a 7 way intersection, sight distances along highway are good, radii is good as intersection very large, confusing due to size, less legs would be better, 6.8m carriageway, alignment fine, clear zone generally good, minor pot holes
718010	Pink Lake Rd	2.6km W of St Vincent Hwy	5.45km W of St Vincent Hwy (beginning)	2847.2	P4	8.0m carriageway, tight curves but sight lines fine, some trees in clear zone generally 3m back, to start of seal
718015	Pink Lake Rd	5.45km W of St Vincent Hwy (beginning)	Boothill Station Rd	500.6	P3	7.0m seal with 1m unsealed shoulders, no line marking, guide posts, give way at Boothill Station Road, sight distances poor, radii good
718020	Pink Lake Rd	Boothill Station Rd	0.95km W of Boothill Station Rd (beginning)	948.2	P4	7m unsealed carriageway, straight alignment, clear zone good, pavement has some pot holes,
718025	Pink Lake Rd	0.95km W of Boothill Station Rd	Waterloo Bay Rd	78.9	P3	Junction with Waterloo Bay Road has sufficient sight distances, radii insufficient for left turns out, no hazard board
717005	Pine Point Rd	Vista Grove	1.5km SE of Vista Grove	1517.2	P3	Vista Grove continues into Pine Point Road, 50 zone into 80 zone, slight horizontal curve at start of Pine Point Road, has guide posts, generally straight alignment, large trees 2m from edge of seal,
717010	Pine Point Rd	1.5km SE of Vista Grove	2.5km SE of Vista Grove	1011.3	P3	
717015	Pine Point Rd	2.5km SE of Vista Grove	3.5km SE of Vista Grove	986.2	P3	6.7m seal with no edge lines, some unsealed shoulder but covered with vegetation, has guide posts, junction warning signs provided, alignment fine
717020	Pine Point Rd	3.5km SE of Vista Grove	End of seal 4.5km SE of Vista Grove	971.9	P3	
717025	Pine Point Rd	End of Seal 4.5km SE of Vista Grove	5.5km SE of Vista Grove	887.6	P3	
717030	Pine Point Rd	5.5km SE of Vista Grove	6.5km SE of Vista Grove	998.8	P3	9.0m unsealed carriageway, pavement good quality, trees on edge of carriageway, alignment good
717035	Pine Point Rd	6.5km SE of Vista Grove	7.5km SE of Vista Grove	998.5	P3	
717040	Pine Point Rd	7.5km SE of Vista Grove	8.5km SE of Vista Grove	998.6	P3	
717045	Pine Point Rd	8.5km SE of Vista Grove	9.5km SE of Vista Grove	998.8	P3	8.3m carriageway, flat and straight, trees 1m back from edge on both sides, pavement good quality
717050	Pine Point Rd	9.5km SE of Vista Grove	10.5km SE of Vista Grove	998.8	P3	
717055	Pine Point Rd	10.5km SE of Vista Grove	11.5km SE of Vista Grove	998.8	P3	
717060	Pine Point Rd	11.5km SE of Vista Grove	12.5km SE of Vista Grove	998.8	P3	
717065	Pine Point Rd	12.5km SE of Vista Grove	13.5km SE of Vista Grove	999.2	P3	8.5m carriageway, alignment good, trees 1-2m from edge, 6 way intersection has priority, section being re-constructed
717070	Pine Point Rd	13.5km SE of Vista Grove	14.5km SE of Vista Grove	1000.1	P3	
717075	Pine Point Rd	14.5km SE of Vista Grove	15.5km SE of Vista Grove	1000.1	P3	
717080	Pine Point Rd	15.5km SE of Vista Grove	16.5km SE of Vista Grove	1001.2	P3	9.0m carriageway, flat and straight, trees 1-2m back from edge of carriageway in clear zone
717085	Pine Point Rd	16.5km SE of Vista Grove	17.5km SE of Vista Grove	995.2	P3	
717090	Pine Point Rd	17.5km SE of Vista Grove	18.5km SE of Vista Grove	1005.2	P3	
717095	Pine Point Rd	18.5km SE of Vista Grove	19.5km SE of Vista Grove	999.8	P3	
717100	Pine Point Rd	19.5km SE of Vista Grove	20.5km SE of Vista Grove	1000.1	P3	
717105	Pine Point Rd	20.5km SE of Vista Grove	21.5km SE of Vista Grove	1000.5	P3	9.0m carriageway, pavement good quality, alignment good, trees 1-2m from edge still, drainage may be an issue due to road being set down
717110	Pine Point Rd	21.5km SE of Vista Grove	22.5km SE of Vista Grove	1000.5	P3	
717115	Pine Point Rd	22.5km SE of Vista Grove	23.5km SE of Vista Grove	1000.5	P3	
717120	Pine Point Rd	23.5km SE of Vista Grove	24.5km SE of Vista Grove	1001.6	P2	<b>Y-junction with McFarlane Road. It has priority and give way on McFarlane but vehicles may not obey</b>
717125	Pine Point Rd	24.5km SE of Vista Grove	25.5km SE of Vista Grove	1004	P1	<b>9m carriageway up to Yorke Highway, intersection with Yorke Highway has give ways, sight distance to north poor due to vertical curve on Highway, radii tight will cross centreline</b>
717130	Pine Point Rd	25.5km SE of Vista Grove	26.5km SE of Vista Grove	1000.5	P4	
717135	Pine Point Rd	26.5km SE of Vista Grove	27.5km SE of Vista Grove	1002.3	P4	8.0m carriageway, straight with a vertical crest sight lines good, clear zone has only a few trees 2m from carriageway

TABLE 1 - CONTINUED

TABLE 1 - CONTINUED

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
717140	Pine Point Rd	27.5km SE of Vista Grove	St Vincent Hwy	1176.5	P2	Good approach sight distance, hazard board and give way sign, sight distance to right poor due to horizontal curve, sight distance to left very good, radii tight for left turns out
728005	Point Pearce Rd	1.4km W of Port Victoria Rd	1432.2	P2	80 km/h speed limit on the approach to Port Victoria Road, pavement is a bit uneven, poor angle at intersection, difficult to see to the right but sight distance is good, sight distance to left tight, radii sufficient	
728010	Point Pearce Rd	1.4km W of Port Victoria Rd	2.4km W of Port Victoria Rd	1066.3	P2	
728015	Point Pearce Rd	2.4km W of Port Victoria Rd	3.4km W of Port Victoria Rd	1018.3	P4	
728020	Point Pearce Rd	3.4km W of Port Victoria Rd	4.4km W of Port Victoria Rd	1003.5	P4	
728025	Point Pearce Rd	4.4km W of Port Victoria Rd	5.4km W of Port Victoria Rd	999.5	P4	6.9m wide seal with 0.5-1m unsealed shoulders, straight, vegetation 3-4m from edge of seal, guide posts pavement quality good
728030	Point Pearce Rd	5.4km W of Port Victoria Rd	6.4km W of Port Victoria Rd	1017.1	P3	7.0m seal with no edge lines, 1m unsealed shoulders, guide posts, line of stobies on the northern side of road that get as close as 4m from edge, trees also, straight road, line marking faded
728035	Point Pearce Rd	6.4km W of Port Victoria Rd	7.4km W of Port Victoria Rd	1010.7	P3	
738005	Powerline Rd	Yorke Hwy	Boundary Rd	1796.3	P2	Intersection with Yorke Highway has good sight distances, radii tight but ok, 7m carriageway width varies a bit, alignment fine, trees 2m close in some sections, intersection with Boundary Road sight distances tight due to vegetation, radii tight
738010	Powerline Rd	Boundary Rd	Twelve Mile Rd	3150.4	P3	6-7m unsealed carriageway, straight alignment, minor vertical curves, stobies on the southern side generally 4-5m back some as close as 3m, minor trees, give ways at Twelve Mile Road sight distances good slightly impacted by vegetation, radii tight for some turning movements
738015	Powerline Rd	Twelve Mile Rd	Micky Flat Rd	2236.5	P2	7.0m unsealed carriageway, straight alignment, stobie poles on southern side generally 5-6m back, trees up to edge in sections, pavement good, give ways at Micky Flat Road sight distances impacted by vegetation in both directions, radii insufficient
738020	Powerline Rd	Micky Flat Rd	Sheoak Flat Rd	2217.4	P3	7m carriageway, pavement good, alignment straight, stobies 3-5m from edge generally, give way at Sheoak Flat Road sight distances impacted by vegetation, radii ok
738025	Powerline Rd	Sheoak Flat Rd	Mulburra Park Rd	2802.1	P2	7m carriageway, straight, with some vertical curves sight lines insufficient in some instances, stobie poles on southern side 3-6m back, trees in clear zone, have advanced give way warning sign due to insufficient approach sight distance to intersection with Mulburra Park Road, sight distances tight due to vertical crests on all legs, radii ok
738030	Powerline Rd	Mulburra Park Rd	Hickman Rd	3202.2	P3	7m carriageway, straight, vertical curves sight lines are ok, stobies 3-6m from edge, trees generally 5m back, pavement good, intersection with Hickman Road has good sight distances radii good
738035	Powerline Rd	Hickman Rd	Sheoak Flat Rd	3376.6	P2	7m carriageway, alignment good, stobie 4-6m from edge, a lot of trees up to edge, pavement good, junction with Port Vincent Road has large grass island, radii impacted by island, sight distances good
744005	Quarry Rd	0.4km S of West Tce	Goldsworthy Rd	2163.3	P4	7.8m unsealed carriageway, pavement good, alignment fine, clear zone generally good except for some minor trees,
744010	Quarry Rd	Goldsworthy Rd	Port Vincent Rd	3241.4	P2	8m carriageway, alignment good, trees 1m back, intersection with Port Vincent Road has poor sight distances, radii good, need vegetation removed to west and vertical curve to east
744025	Quarry Rd	West Tce	0.4km S of West Tce	401.3	P3	5.8m wide seal, no line marking, 1m unsealed shoulders, horizontal curve but sight lines fine, trees 4m back
761005	Rickaby Rd	Bluff Rd	1.2km NW of Bluff Rd	1210.2	P3	
761010	Rickaby Rd	1.2km NW of Bluff Rd	2.2km NW of Bluff Rd	996.1	P3	6.4m seal with no edge lines, 1.5m unsealed shoulders, straight and generally flat, trees 4-5m from edge, pavement quality good
761015	Rickaby Rd	2.2km NW of Bluff Rd	3.2km NW of Bluff Rd	989.3	P3	
761020	Rickaby Rd	3.2km NW of Bluff Rd	4.2km NW of Bluff Rd	982.7	P3	
761025	Rickaby Rd	4.2km NW of Bluff Rd	5.2km NW of Bluff Rd	979.7	P3	6.2m seal with 1.5-2m unsealed shoulders, flat, two horizontal curves well set up with some super, trees 4-5m back, pavement good
761030	Rickaby Rd	5.2km NW of Bluff Rd	6.2km NW of Bluff Rd	1002.7	P3	
761035	Rickaby Rd	6.2km NW of Bluff Rd	7.2km NW of Bluff Rd	990.5	P3	
761040	Rickaby Rd	7.2km NW of Bluff Rd	8.2km NW of Bluff Rd	999.4	P3	6.2m seal, 1.5m unsealed shoulders, alignment fine, clear zone has trees 4m back, pavement good
761045	Rickaby Rd	8.2km NW of Bluff Rd	9.2km NW of Bluff Rd	1013.4	P3	
761050	Rickaby Rd	9.2km NW of Bluff Rd	10.2km NW of Bluff Rd	1013.6	P3	
761055	Rickaby Rd	10.2km NW of Bluff Rd	11.2km NW of Bluff Rd	1039.8	P3	Junction with Bamboons Road has good sight distances, radii ok, stobie opposite, 6.2m seal with 1m unsealed shoulders, stobies 6m from edge, some trees 3m back, straight and flat
761060	Rickaby Rd	11.2km NW of Bluff Rd	Waimana Ct	1170.4	P3	
776005	Roolama Rd	Yorke Hwy	End of Seal 1.8km N of Yorke Hwy	1787.9	P3	5.2m seal, widens to 6m, minimal unsealed shoulders, no line marking, pavement poor, straight and flat, some trees 3m back, intersection with Yorke Highway has poor angle, sight distances tight to left due to angle, radii good
776010	Roolama Rd	End of Seal 1.8km N of Yorke Hwy	Bittner Rd	1279.1	P3	7.5m unsealed carriageway, straight and flat, some trees in clear zone 3m back
776015	Roolama Rd	Bittner Rd	Boundary Rd	3143.9	P2	Junction with Boundary Road has hazard board and give way, sight distances fine slightly impacted by vegetation, radii tight, 8m carriageway, narrower in some sections, school bus route, intersection with Gregor Road has give ways, sight distances impacted by tall grass radii tight, straight alignment, pavement fine, intersection with Bittner Road has give ways sight distances fine, radii tight
784005	Saint Rd	South Tce	Honner Rd	1436.6	P3	8.0m unsealed carriageway, good alignment, stobie poles only 3m back, pavement good quality
784010	Saint Rd	Honner Rd	Miller Rd	1100.7	P3	Saint Road has priority at both intersections, stobies now on southern side of road 4m back,
784015	Saint Rd	Miller Rd	2.04km W of Miller Rd (adj side track)	2037.2	P3	Line of stobies on northern side of road get as close as 3m from edge, straight alignment, one vertical curve but sight lines fine, pavement quality good, 8.2m wide carriageway
784020	Saint Rd	2.04km W of Miller Rd (adj side track)	South Kilkerran Rd	2252.2	P3	Intersection with South Kilkerran Road Sain Road has priority, give ways on side road, radii tight, 7.0m wide carriageway, flat and straight, clear zone has some trees 4m back
790005	Sandy Church Rd	Spencer Hwy	1.0km E of Spencer Hwy	1002.5	P3	sight distances at intersection are good, radii ok, steep downgrade to intersection
790010	Sandy Church Rd	1.0km E of Spencer Hwy	2.0km E of Spencer Hwy	1002.5	P3	
790015	Sandy Church Rd	2.0km E of Spencer Hwy	3.0km E of Spencer Hwy	1002.5	P3	8m carriageway, narrows to 7m, straight with good pavement, trees 2m back generally
790020	Sandy Church Rd	3.0km E of Spencer Hwy	4.0km E of Spencer Hwy	1002.5	P3	
790025	Sandy Church Rd	4.0km E of Spencer Hwy	5.0km E of Spencer Hwy	1002.5	P4	
790030	Sandy Church Rd	5.0km E of Spencer Hwy	6.0km E of Spencer Hwy	1002.5	P4	7m carriageway, straight, pavement fine, seal past one house, trees 3m back generally small
790035	Sandy Church Rd	6.0km E of Spencer Hwy	7.0km E of Spencer Hwy	1002.5	P4	
790040	Sandy Church Rd	7.0km E of Spencer Hwy	8.0km E of Spencer Hwy	1002.5	P3	
790045	Sandy Church Rd	8.0km E of Spencer Hwy	9.0km E of Spencer Hwy	1002.6	P3	8m carriageway, straight, trees 1m back in some places, pavement good
790050	Sandy Church Rd	9.0km E of Spencer Hwy	10.0km E of Spencer Hwy	1002.6	P3	
790055	Sandy Church Rd	10.0km E of Spencer Hwy	11.0km E of Spencer Hwy	1002.6	P3	
790060	Sandy Church Rd	11.0km E of Spencer Hwy	12.0km E of Spencer Hwy	1002.6	P3	8m carriageway, straight, trees 1-2m from edge non-frangible, pavement good
790065	Sandy Church Rd	12.0km E of Spencer Hwy	13.0km E of Spencer Hwy	1002.6	P3	
790070	Sandy Church Rd	13.0km E of Spencer Hwy	14.0km E of Spencer Hwy	1002.6	P2	
790075	Sandy Church Rd	14.0km E of Spencer Hwy	15.0km E of Spencer Hwy	1002.4	P2	8m carriageway, tight horizontal curve has guideposts, trees 1m from edge, 6way intersection, has give ways, some sight distances tight due to angles, radii ok due to large size
790080	Sandy Church Rd	15.0km E of Spencer Hwy	16.0km E of Spencer Hwy	1002.6	P2	
790085	Sandy Church Rd	16.0km E of Spencer Hwy	17.0km E of Spencer Hwy	1002.6	P3	
790090	Sandy Church Rd	17.0km E of Spencer Hwy	18.0km E of Spencer Hwy	1001.9	P3	7m carriageway, some trees 2m back, alignment good, pavement good some loose material on edges
790095	Sandy Church Rd	18.0km E of Spencer Hwy	19.0km E of Spencer Hwy	1002.7	P3	

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FOR THE COMMITTEE

THE AUDIT AND RISK COMMITTEE

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
871030	Sturt Bay Rd	Orrie Cowie Rd	Murdock Rd	2846	P2	7.8m unsealed carriageway, straight alignment with numerous crests, they have sight line issues on them, drainage issues, minor vegetation up to edge of carriageway
871035	Sturt Bay Rd	Murdock Rd	Cartwright Rd	2625.9	P3	8m unsealed carriageway, vertical curves with tight sight lines, pavement patchy, vegetation to edge
871040	Sturt Bay Rd	Cartwright Rd	South Coast Rd	2971.5	P4	7.0m unsealed carriageway, recently upgraded with good pavement, straight, with vegetation 2m from edge, give way at intersection with South Coast Road, sight distances good, radii very good
921005	Troubridge Hill Rd	Pt Giles Rd	Recluse Rd	2538.5	P3	7m carriageway, alignment good, some trees 2m back, junction with Port Giles Road has hazard board and give way, sight distances good radii ok,
921010	Troubridge Hill Rd	Recluse Rd	St Vincent Hwy	2805.5	P1	sight distances along St Vincent Highway poor due to horizontal curve, radii tight for left turns in, 7m carriageway, alignment good, some vegetation and trees up to edge
921015	Troubridge Hill Rd	St Vincent Hwy	2.3km S of St Vincent Hwy	2285.7	P2	7.5m unsealed carriageway, straight, clear zone good, difficult to see St Vincent Highway intersection, only one give way and one warning sign, more signage would help, 7 way intersection, sight distances along highway good, other roads difficult, radii good
921020	Troubridge Hill Rd	2.3km S of St Vincent Hwy	New Honiton Rd	2416.4	P4	7m unsealed, straight some crests, clear zone good, pavement fine
921025	Troubridge Hill Rd	New Honiton Rd	2km S of New Honiton Rd	1999	P4	7.0m unsealed carriageway, straight alignment, clear zone good, pavement poor, some junctions has priority
921030	Troubridge Hill Rd	2km S of New Honiton Rd	4km S of New Honiton Rd	1999.8	P4	
921035	Troubridge Hill Rd	4km S of New Honiton Rd	Troubridge Point Rd	3230.2	P3	6m wide to start with then widens to 7m carriageway, straight, some minor crests, clear zone generally good
966005	Waylands Rd	Upper Yorke Rd	Kalkabury School Rd	2424.3	P2	7.5m unsealed carriageway, trees overhanging onto road, need to be trimmed, small trees 3m back, generally flat and straight, intersection with Upper Yorke Road has give way, sight lines ok, alignment poor has a large grass island, 5 ways intersection, some turning movements may be tight due to Y-junction type set up,
966010	Waylands Rd	Kalkabury School Rd	Coote Rd	2347.3	P4	Intersection with Coote Road has priority, give ways on Coote Road, 7.5m unsealed carriageway, few trees 3m back, some loose material on pavement, intersection with Kalkabury School Road has priority
966015	Waylands Rd	Coote Rd	Arthurton Rd	3937.8	P4	Intersection with Arthurton Road has good radii, give way sign, sight lines are good, pavement quality a bit patchy at intersection, 7m unsealed carriageway, tight horizontal curve sight lines sufficient, vegetation up to edge, some trees 2m back, pavement good quality, width widens a bit, alignment good generally
957020	Waterloo Bay Rd	Yorketown (start of rural rd)	1.0km SW of Yorketown	1002.7	P3	
957025	Waterloo Bay Rd	1.0km SW of Yorketown	1.9km SW of Yorketown	1014.8	P3	Start at Anderson Terrace? 7.0m seal with no edge lines, 2m unsealed shoulders, some trees 3m from edge of seal, 100 zone, straight and flat to start, then several horizontal curves, sight lines are ok, clear zone generally good
957030	Waterloo Bay Rd	1.9km SW of Yorketown	3.0km SW of Yorketown	1066.1	P3	
957035	Waterloo Bay Rd	3.0km SW of Yorketown	4.0km SW of Yorketown	1011.2	P3	
957040	Waterloo Bay Rd	4.0km SW of Yorketown	5.2km SW of Yorketown	1219.7	P3	7.0m seal, no edge lines, 1.5m unsealed shoulders, some horizontal curves but sight lines good, guide posts, clear zone generally good, up to Munkowrie Road intersection
957045	Waterloo Bay Rd	5.2km SW of Yorketown	6.5km SW of Yorketown	1288.1	P3	
957050	Waterloo Bay Rd	6.5km SW of Yorketown	7.5km SW of Yorketown	1001.7	P3	
957055	Waterloo Bay Rd	7.5km SW of Yorketown	End of Seal 150m W of McEachens Be	784.1	P3	7.0m seal with 1.5m unsealed shoulders, seal widens in some sections, alignment fine, clear zone generally good, centre line completely faded
957060	Waterloo Bay Rd	6.0km E of Green Hill Rd	McEachens Beach Rd	1176.1	P4	
957065	Waterloo Bay Rd	5.0km E of Green Hill Rd	6.0km E of Green Hill Rd	1002.2	P4	9.0m unsealed carriageway, straight with some vertical curves, sight lines fine, clear zone generally good some trees 4m back, pavement good
957070	Waterloo Bay Rd	4.0km E of Green Hill Rd	5.0km E of Green Hill Rd	1002.2	P4	
957075	Waterloo Bay Rd	3.0km E of Green Hill Rd	4.0km E of Green Hill Rd	1002.2	P3	
957080	Waterloo Bay Rd	2.0km E of Green Hill Rd	3.0km E of Green Hill Rd	1002.3	P3	10.0m carriageway, some trees and bushes on edge of carriageway, alignment fine, some horizontal and vertical curves but sight lines fine, pavement good
957085	Waterloo Bay Rd	1.0km E of Green Hill Rd	2.0km E of Green Hill Rd	1001	P3	
957090	Waterloo Bay Rd	Green Hill Rd	1.0km E of Green Hill Rd	1000.8	P3	10m carriageway, tight horizontal curve at Green Hill Road with sight lines tight
960005	Wattle Point Rd	Sultana Point Rd	2.5km SW of Sultana Point Rd	2506.5	P3	Junction with Sultana Point Road has good sight distances, radii tight, no hazard board, large pools of water in corners of junction, 6.2m unsealed carriageway, straight and slat, some trees 3m back in short section
960010	Wattle Point Rd	2.5km SW of Sultana Point Rd	Heel Rd	2202.2	P4	6m unsealed carriageway, alignment good, trees 3-4m back generally, pavement good
973005	Weavers Rd	St Vincent Hwy	Little Glory Rd	2803.1	P4	Intersection with St Vincent Highway has give ways, sight distances good, radii good, a lot of guide posts, well set up, 8.5m unsealed carriageway, straight and flat, stobies 4m from edge on northern side, pavement good, intersection with Little Glory Road has horizontal curve, has priority
973010	Weavers Rd	Little Glory Rd	Antonio Rd	1584.2	P3	7.0m carriageway, unsealed pavement good quality, stobie poles 4-5m back from edge, some trees 2-3m from edge, has priority at Antonio Road, give ways on side roads
973015	Weavers Rd	Antonio Rd	Oaklands Rd	2451.8	P3	6.8m carriageway, alignment fine, stobies for half length 4-5m back, trees 1m back in sections, pavement good
973020	Weavers Rd	Oaklands Rd	Brentwood Rd	2811	P3	intersection, minor legs have give ways,
973025	Weavers Rd	Brentwood Rd	2.3km SW of Brentwood Rd	2303	P3	6.5m to 7m carriageway, some trees 3m back, alignment fine
973030	Weavers Rd	2.3km SW of Brentwood Rd	Savage Hut Rd	2361.2	P3	7-8m carriageway, alignment fine, trees 1m back in places, pavement has some large pot holes in it, intersection with Savage Hut Road is 5 ways, has priority, give ways on minor roads there is a horizontal curve on Weavers Road across the intersection which may limit sight distances
973035	Weavers Rd	Savage Hut Rd	Olive Tree Rd	1579.7	P2	8m carriageway, trees 1m from edge, alignment good, pavement good, Y-junction formed with Olive Tree Road, minor leg has give way but sight lines poor
973040	Weavers Rd	Depot Shed Rd	Depot Shed Rd	1692.8	P3	8m carriageway, trees 2m back short section only, alignment good, intersection with Depot Shed Road fine has priority
973045	Weavers Rd	Depot Shed Rd	Rabbit Corner Rd	1239.3	P2	8-9m carriageway, straight and flat, trees 3m back, intersection with Rabbit Corner Road has priority as the left turn well sign posted but may be confusing for drivers
972005	Weavers North Rd	Weavers Rd	2.0km N of Weavers Rd	1995	P3	7.0m wide carriageway, straight with trees 2m from edge, intersection with Weavers Road has good sight distances to left (south) but poor to right (west) due to tall grass, radii good very large intersection
972010	Weavers North Rd	2.0km N of Weavers Rd	Cutline Rd	1896.6	P3	Straight alignment, some minor crests, some trees 2m from edge
972015	Weavers North Rd	Cutline Rd	Yacca Rd	744.2	P2	7m carriageway, advanced give way signs, give way at Cutline Road, sight distance insufficient to right (west) due to crest, good to left, radii tight
972020	Weavers North Rd	Yacca Rd	Cross Rd	2681	P4	7m carriageway, straight, some vertical curves, trees 4m back
972025	Weavers North Rd	Cross Rd	Trig Rd	2414.2	P3	7.0m carriageway, straight alignment, some crests but sight lines are ok, trees on edge of carriageway, loose material on surface at Cross Road junction
972030	Weavers North Rd	Trig Rd	Bowden Rd	2308.7	P3	7.0m carriageway, trees 1-2m from edge on both sides, straight alignment, pavement good quality
972035	Weavers North Rd	Bowden Rd	Minlaton Rd	1932.9	P3	Intersection with Minlaton Road has good sight distances, radii good, has give ways signs, 7.0m carriageway, straight alignment with some vertical curves, vegetation on edge on western side of road, has priority at intersection with Bowden Road, give ways on side road

FOR THE COMMITTEE MEMBER

THE AUDITOR GENERAL

Asset ID	ROAD NAME	FROM	TO	LENGTH (m)	RISK	COMMENTS
974005	Weetulta Rd	West Tce	3.3km W of West Tce	3290.2	P3	Junction with West Terrace has good sight distances, insufficient radii, unsealed road, 8m carriageway, vegetation hanging over edge, straight alignment, some small trees 2m back only, pavement good quality, minor crest but no issues with sight lines
974010	Weetulta Rd	3.3km W of West Tce	Lakes Rd	2418	P4	8.8m unsealed carriageway, straight alignment, vegetation right up to edge of road, pavement quality good
974015	Weetulta Rd	Lakes Rd	2.3km W of Lakes Rd	2300.9	P4	9.0m unsealed carriageway, straight alignment, trees up to edge of carriageway, pavement good quality
974020	Weetulta Rd	2.3km W of Lakes Rd	Spencer Hwy	2245.5	P3	9.0m carriageway, advanced give way warning sign, give way at Spencer Highway, sight distances good, impacted by vegetation, radii tight for left turn
979005	Wells Rd	Yorke Hwy	Tiddy Widdy Beach Rd	2595.6	P2	Junction with Tiddy Widdy Beach Road has no hazard board, radii tight but vehicles can make turning movements by crossing centre of road, sight distances good in both directions, junction approach sight distance poor due to horizontal curve and tight crest, vegetation on southern side of road overhanging onto road, small trees within 2m of edge, 7.4m wide unsealed carriageway, generally straight, junction with Yorke Highway has give way, sight distances ok, tight to left due to horizontal curve, radii tight for left turn out will cross centreline
987015	West Tce (Curramulka)	North Tce	Yorke Hwy	1205.1	P3	Intersection with Yorke Highway poor angle, sight distances fine, radii good, 6.2m seal with 1-1.5m unsealed shoulders, vegetation up to edge, pavement ok
1004005	Willing Rd	East Tce	Polkinghorne Rd	2934.8	P2	Junction with East Terrace has priority, 6m unsealed carriageway, some tight curves and sight lines impacted by vegetation, large trees 2m back, intersection with Polkinghorne Road has priority,
1004010	Willing Rd	Polkinghorne Rd	2.6km E of Polkinghorne Rd	2599.8	P2	6-7m unsealed carriageway, some tight horizontal curves with superelevation, sight lines impacted by vegetation, trees 2m from edge, loose material on surface
1004015	Willing Rd	2.6km E of Polkinghorne Rd	Rose Rd	2597.6	P3	7.5m unsealed carriageway, pavement quality good, clear zone better some curves
1004020	Willing Rd	Rose Rd	Correll Rd	3060.4	P3	Junction with Correll Road well set up, sight distances good radii ok, hazard board provided and give way, sealed first 100m, sign for Willing Road pointing to wrong road,
1029005	Yorke Valley Rd	Spencer Hwy	Smith Rd	2875	P4	sight distances at Spencer Highway are good, radii tight for left turns, will cross centreline, has hazard board, tight curve on approach to junction has hazard boards, 8.0m unsealed carriageway, tall grass on side of road, some trees in clear zone, good alignment, pavement good quality, intersection with Smith Road is 6 ways, minor legs have give ways
1029010	Yorke Valley Rd	Smith Rd	Yarrum Rd	2964.5	P3	8.0m unsealed carriageway, straight and flat, good pavement quality, trees in clear zone, three stobies 3m back, intersection with Yarrum Road has priority, give ways on minor legs
1029015	Yorke Valley Rd	Yarrum Rd	1.8km SE of Yarrum Rd (at bend)	1840.8	P3	Generally 7.0m unsealed carriageway, alignment fine, trees 1-2m back in sections, pavement is uneven in sections, give way at Sandy Church Road 5 ways
1029020	Yorke Valley Rd	1.8km SE of Yarrum Rd (at bend)	Sandy Church Rd	2009.9	P3	Intersection, sight distances fine, radii fine
1029025	Yorke Valley Rd	Sandy Church Rd	2.3km SE of Sandy Church Rd	2300.4	P2	Give way at Sandy Church Road has poor sight distances due to poor angle, some turning movements tight, width down to 5.6m in sections, trees 2-3m from edge for large sections of road, alignment fine
1029030	Yorke Valley Rd	2.3km SE of Sandy Church Rd	McFarlane Rd	3162.9	P3	7.0m unsealed carriageway, some large pot holes, alignment good, trees 2-3m from edge along majority or road, give ways at McFarlane Road, sight distances tight due to poor angle from both directions, radii tight
1029035	Yorke Valley Rd	McFarlane Rd	North South Rd	1577.7	P3	7m carriageway, trees 2-3m back, alignment good, pavement has some corrugations, intersection with North South Road has give ways, poor angle makes sight distances tight from both directions, radii tight for some movements,
1029040	Yorke Valley Rd	North South Rd	1.7km SE of North South Rd	1700.5	P3	Alignment fine, minor crest with tight sight lines, 6-7m carriageway, trees 3m back generally, pavement poor in patches, give way at Black Bobs Road tight angle makes sight distances difficult and road tight
1029045	Yorke Valley Rd	1.7km SE of North South Rd	Black Bobs Rd	1572.4	P3	
1029050	Yorke Valley Rd	Black Bobs Rd	1.8km SE of Black Bobs Rd	1799.9	P4	6-7m carriageway, trees 3m back, alignment fine, pavement poor in patches,
1029055	Yorke Valley Rd	1.8km SE of Black Bobs Rd	Yorke Hwy	1883.5	P1	Y-junction with Piggery Corner Road very poor alignment, unlikely give way will be obeyed, 8m carriageway, trees 5m back, straight and flat, pavement good, has intersection warning sign, give ways, sight distances good, radii ok
937005	Urania Rd	Wauralteed Rd	Town limit	273.7	P3	Junction with Wauralteed Road has good sight distances, radii good, very wide section of unsealed road, tight horizontal curve on approach to junction but sign posted,
937010	Urania Rd	Port Victoria	Investigator Rd	494.3	P4	
937015	Urania Rd	Investigator Rd	2.5km E of Investigator Rd	2498.3	P3	7m carriageway, vegetation 2m back but not major, stobies 5m back, straight alignment, pavement good
937020	Urania Rd	2.5km E of Investigator Rd	Bagshaw Rd	2394.9	P4	7-8m carriageway, some grass on edges narrows, pavement uneven in places, stobies 4-5m from edge otherwise clear zone good, straight with one vertical curve
937025	Urania Rd	Bagshaw Rd	2.6km E of Bagshaw Rd	2599.7	P4	7m carriageway, vegetation 1m back, stobies 3-5m from edge, pavement ok, straight with a couple of crests sight lines ok
937030	Urania Rd	2.6km E of Bagshaw Rd	Spencer Hwy	2726.7	P2	7-8m wide carriageway, stobies 3-5m back, trees 1-2m back, pavement poor in patches, tight horizontal curves but sight lines fine, approach to Spencer Highway has warning sign, approach sight distance tight due to vertical curve, sight distances good at intersection, radii tight for left turn out
			Total Length	777.0	km	

**Appendix B3**

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Field Assessment Spreadsheet

Other Assessed Routes





## Yorke Peninsula Council

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### NETWORK LEVEL HEAVY VEHICLE ROUTE ASSESSMENT AND RISK ANALYSIS (PHASE 2 – LOW USE UNSEALED ROADS)

### Final Report (Revision A)

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February 2022

Yorke Peninsula Council

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- A. Photos Showing Typical Very High Risk (P1) Sites
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## 1.0 INTRODUCTION

This report results from an investigation into the safety aspects of low use unsealed B-Double Commodity routes within the Yorke Peninsula Council and is Phase 2 of a project whose first phase was undertaken in May 2019.

The aim of this network level heavy vehicle route assessment is to determine the overall risk along each identified road link within the B-Double Commodity route network, categorized as Low, Moderate, High or Very High in accordance with accepted heavy vehicle route assessment criteria.

This assessment was requested by Michael McCauley, Asset Manager, Yorke Peninsula Council (Council). The report covers the balance of Council B-Double Commodity routes not included in the original report released by HDS Australia in May 2019 (reference YP117\001).

The route assessments were undertaken by two Department for Infrastructure and Transport (DIT) accredited senior road safety auditors and restricted access vehicle route assessors, namely:

Timothy Viner Smith  
Senior Road Safety Auditor  
Restricted Access Vehicle Route Assessor  
Senior Traffic & Transport Engineer  
HDS Australia Pty Ltd

Richard Medhurst  
Senior Road Safety Auditor  
Restricted Access Vehicle Route Assessor  
Senior Civil Engineer  
HDS Australia Pty Ltd

The report and risk analysis summary was prepared by:

Timothy Viner Smith

The report was reviewed and approved for release by:

John Olson  
Principal Engineer Road Transport Planning  
Managing Director  
HDS Australia Pty Ltd

This Revision A has been undertaken at Councils request to include high level cost estimates for P1 and P2 items within the table of findings and the appendices along with separating all items into eight general categories.

## 2.0 METHODOLOGY

### 2.1 General

Assessment of the various Commodity routes was undertaken in accordance with the DIT publication "Route Assessment Guidelines for Restricted Access Vehicles", published in October 2008 and the National Heavy Vehicle Regulator (NHVR) publication "The Performance Based Standards Scheme – Network Classification Guidelines", published in July 2007. The assessment included reference to the following standards and guides:

- AS1742.2-2009 "Manual of Uniform Traffic Control Devices – Part 2: Traffic control devices for general use";
- Austroads Guide to Road Safety Part 6: Road Safety Audit;
- Austroads Guide to Traffic Engineering Practice Series;
- Austroads Guide to Road Design Series;
- Austroads Guide to Traffic Management Series;
- DIT RAVnet Website (<http://maps.sa.gov.au/ravnet/index.html>);
- NHVR (National Heavy Vehicle Regulator) Journey Planner (<http://gis.nhvr.gov.au/journeyplanner>);
- Pavement Marking Manual v4, May 2015 – DIT; and
- Manual of Legal Responsibilities and Technical Requirements for Traffic Control Devices, April 2017 – DIT.

The network level heavy vehicle route assessment process is a subset of the detailed heavy vehicle route assessment process typically undertaken as a pre-approval requirement for gazettal of B-Double GML and Commodity routes. The detailed assessment typically addresses the following points:

- Carriageway width (general) – seal & shoulder
- Carriageway width (structures) – key standards being 8.4m, 7.8m, 7.2m
- Carriageway widening requirement (curves)
- Turning movements at junctions / site distance
- Clear zones and recovery capability (batter slopes)
- Overtaking opportunities
- Acceleration / deceleration lanes
- Rest areas
- Bridge / culvert capacity

The network level assessment still addresses all of the above, if an obvious critical deficiency is identified, but focuses on higher risk elements associated with the following:

- Carriageway width (general) – seal & shoulder
- Carriageway width (structures) – key standards being 8.4m, 7.8m, 7.2m
- Turning movements at junctions / site distance
- Clear zones (sub 3m)
- Bridge load limits

Day time site inspections were undertaken by Timothy Viner Smith between the following periods;

- 2 November to 4 November 2021
- 15 November to 18 November 2021
- 23 November to 26 November 2021

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- 28 November to 2 December 2021

Day time site inspections were undertaken by Richard Medhurst between the following periods;

- 16 November to 18 November 2021

No night time inspection was required under the scope of works. Weather conditions were mainly fine during the inspections, however rain did fall on some of the days. Photographs showing typical P1 risk sites along the routes assessed are included as Appendix A.

Suggested upgrades to the routes, considered necessary to meet minimum standards for B-Double Commodity routes (now commonly managed as long term permitted routes), are shown in the table of findings in Section 6.0. It should be noted, however, that not all suggested upgrades may be required by Council. It will depend on Council's general risk appetite, level of risk acceptance and availability of funds to undertake suggested road improvements.

## 2.2 Prioritisation of Risk Management Measures – GML Routes

Although none were assessed under Phase 2 of the Network Level Heavy Vehicle Route Assessment project, this section lists the risk profiles and possible risk management solutions associated with Gazetted GML routes. It provides a useful comparison with the following section, which relates to Commodity routes. The risk assessment calculator in the DIT Route Assessment for Restricted Access Vehicles book is used in the tables to calculate the risk associated with the items identified.

Risk management measures have been prioritised from P1 to P4, defined as below:

<b>P1</b> (Priority 1)	<i>Very high risk</i>	required to be treated prior to the designated route being gazetted, or the current gazettal status of the route is to be removed.
<b>P2</b> (Priority 2)	<i>High risk</i>	conditional on risk acceptance by senior management, and priority commitment to a treatment program as funding becomes available within the short term.
<b>P3</b> (Priority 3)	<i>Moderate risk</i>	management responsibility to be specified, including monitoring and routine maintenance.
<b>P4</b> (Priority 4)	<i>Low risk</i>	

## 2.3 Prioritisation of Risk Management Measures – Commodity Routes

This report examines critical elements of the remaining gazetted Commodity routes not inspected in Phase 1 of the project, including an assessment of shortcomings and possible risk management solutions. The risk assessment calculator in the DIT Route Assessment for Restricted Access Vehicles book is used in the tables to calculate the risk associated with the items identified.

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Risk management measures have been prioritised from P1 to P4, defined as below:

- P1** (Priority 1) *Very high risk* required to be treated prior to the designated route being gazetted, or the current gazettal status of the route is to be removed.
- P2** (Priority 2) *High risk* conditional on risk acceptance by senior management, and commitment to a treatment program as funding becomes available within the medium term, or gazettal status of route removed.
- P3** (Priority 3) *Moderate risk* management responsibility to be specified, including monitoring and routine maintenance.
- P4** (Priority 4) *Low risk*

3.0 COMMODITY ROUTE LOCATIONS

The existing gazetted Commodity routes within Yorke Peninsula Council are generally shown in Figure 1. The majority of these routes are rural two way, unsealed roads. There are also routes within townships.

Roads assessed consisted of low use unsealed roads as selected by Council. All assessed roads are under the care and control of Council. As in Phase 1, DIT roads were again excluded from the assessment. There is approximately 2,291 km of Commodity routes included in this assessment. Almost all routes will be used by B-Doubles in both directions of travel.

A full listing of all road links (broken down into segments as supplied by Council in an extract from Council's road asset management register) is included in Appendix B3.

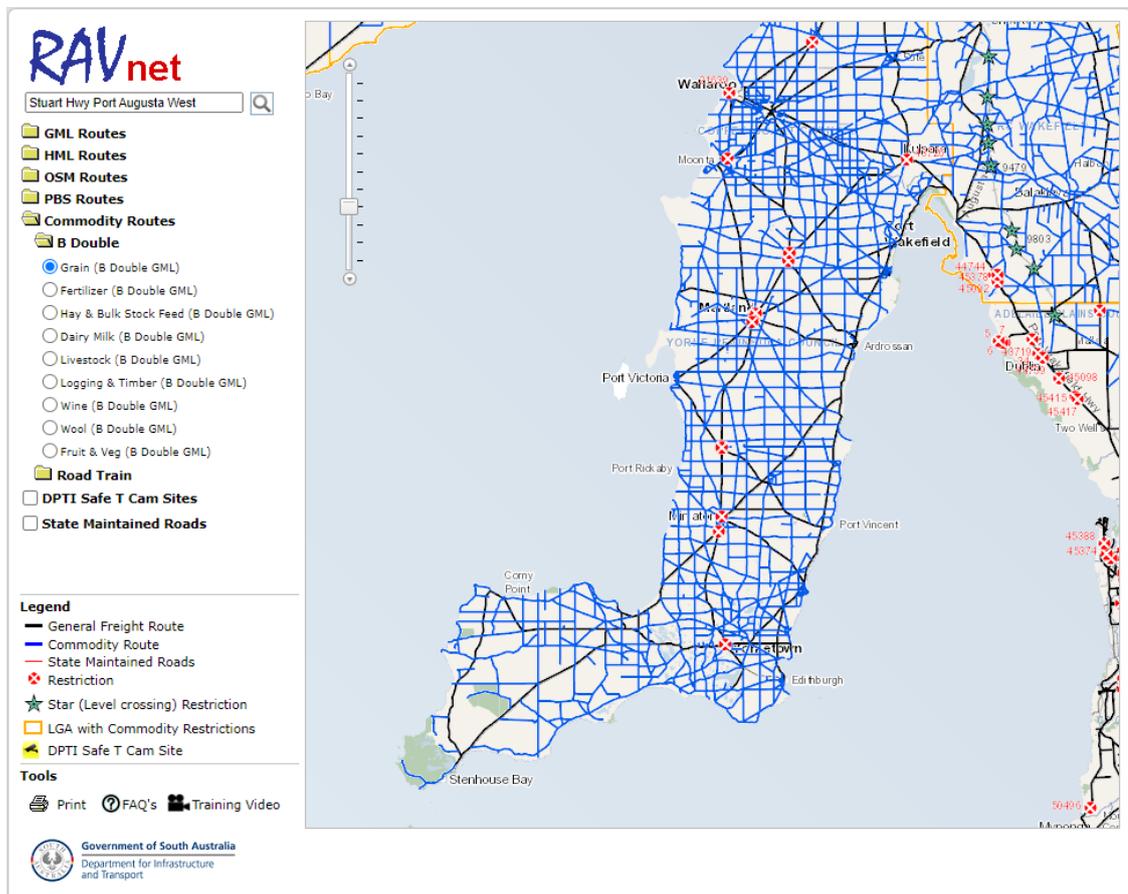


Figure 1 – Overall Site Location – Commodity Routes (courtesy: RAVnet, 2022)

#### 4.0 ADJACENT LAND USE AND AMENITY

The area surrounding the majority of the routes is rural farmland. There are numerous access points along the rural sections of the routes.

The routes pass through the towns of Maitland, Ardrossan, Minlaton, Yorketown, Edithburgh, Marion Bay and a number of smaller towns, so include a small urban component which has residences, public parks and commercial properties.

#### 5.0 GEOMETRIC CONSTRAINTS

The PBS Guidelines provide a number of geometric constraints for Level 2 vehicles based on the road's annual average daily traffic (AADT) and, in urban areas, the speed limit. Note that PBS Level 2 vehicles are split into sub-categories of Level 2A (up to 26.0m B-Doubles) and Level 2B (up to 30.0m road trains) and that from a geometric perspective, Level 2B vehicles are fundamentally the same as Level 2A. Key constraints are:

- Table 2 of the PBS Guidelines specifies a 5.7m wide traffic lane for Level 2 vehicles on an urban two lane, undivided road wherever regular parallel parking is present.
- Table 3 of the PBS Guidelines specifies traffic lane widths and shoulder widths on rural roads for Level 2 vehicles for various AADT vehicles per day.
- Table 5 of the PBS Guidelines specifies curve widening for Level 2 vehicles where the radius of the curve is less than 450m.
- Table 6 of the PBS Guidelines specifies minimum trafficable width across a bridge for Level 2 vehicles where the AADT is over 500 of 8.4m.
- Table 8 of the PBS Guidelines specifies establishment sight distances and continuation sight distances for Level 2 vehicles. For a 100 km/h speed limit, an establishment sight distance of 1,100m is required, while a continuation sight distance of 490m is required.
- Table 9 of the PBS Guidelines specifies desirable maximum distances between sight distance overtaking opportunities, including overtaking lanes.

It should be noted that while this report focuses on 26m B-Doubles (PBS Level 2A vehicles), consideration has also been provided for 30m short road trains or super B-Doubles (PBS Level 2B vehicles). These two classes of vehicles essentially perform and track the same. The only difference is the additional length which has two main implications:

- The additional 4m length of the vehicle impacts short stacking requirements at railway crossings.
- The additional length has an impact on long bridges due to the weight distribution.

Neither of these issues were observed within the reviewed network and therefore the comments provided can be considered relevant for both vehicles.

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6.0 FINDINGS

Data was recorded using georeferenced photographs and site notes. The Table of Audit Findings below details typical P1 risks identified in the Commodity routes. In addition, specific site notes relevant to the route assessment findings, including a full set of recommendations for P1 and P2 segments, are shown in Appendix B, which provides further detail regarding risk locations based on road segment descriptions.

Category	Item	Audit Findings	Risk Assessment	Recommendations	Budget Estimate (P1 and P2 items)
<b>6.1 Commodity Routes – General Comments</b>					
Signage	1.	A majority of the items raised in relation to the Commodity routes relate to the lack of priority signage at intersections. Where there is no clear priority, there is a high risk that drivers may fail to give way correctly. Whilst many of these intersections are rural and do not have high traffic volumes, there is still significant risk associated with these. This risk is increased when combined with sight distance issues.	P1	Intersections should have adequate signage to indicate priority whenever it is unclear based on geometry. If there are sight line issues at the junction, stop signs should be installed. If sight distances are met, then give way signs should be installed.  This is considered a low cost solution and can easily be implemented, providing a significant reduction in residual risk.	\$4,000 (4 items)
Alignment and Signage	2.	Similar to the previous issue, several six way intersections that include a major (often sealed) road lack obvious priority. Priority between the two minor side roads at the main road is often unclear with a wide apron provided. Sight lines along the side roads are often poor.  Refer to Photo 1 in Appendix A for an example.	P1	These intersections should have adequate signage to indicate priority. It appears many of these intersections will require some realignment to make the priority clear.	\$3,900,000 (26 items)

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Category	Item	Audit Findings	Risk Assessment	Recommendations	Budget Estimate (P1 and P2 items)
Major Intersection Upgrade	3.	<p>Numerous junctions were observed to form Y-junctions rather than having the minor leg square to the through road. This leads to drivers having high observation angles which will increase the possibility of sight line issues and failure to give way appropriately. Additionally, some movements are physically impossible for B-Doubles (i.e. between the two legs which are closest together) due to the narrow angles between the legs preventing large vehicles completing the turn manoeuvre on the pavement.</p> <p>Often at these same Y-junctions, the priority is unclear due to the poor alignment. Give way signs can be installed on the minor leg, however there is a significant risk drivers will fail to observe the sign due to the lack of physical speed control on a Y-junction.</p> <p>Refer to Photos 2 and 3 in Appendix A for some examples.</p>	P1	<p>It is strongly recommended that these junctions are realigned to improve the angle between the minor and major legs.</p> <p>It is noted that this will require significant work by Council to upgrade these junctions.</p>	\$19,500,000 (58 items)
Minor Intersection Upgrade	4.	<p>Many junctions were observed to have large central grassed islands. Often these islands were formed due to informal slip lanes being created by turning vehicles. In many cases these islands will prevent B-Doubles from undertaking turning movements, or will encourage drivers to undertake the turning movements on the wrong side of the intersection. Some islands were observed with signs, trees and large amounts of vegetation on them.</p> <p>Refer to Photos 4 and 5 in Appendix A for some examples.</p>	P1	<p>These islands can be removed via maintenance typically if there is no significant vegetation within them.</p>	\$4,350,000 (29 items)

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Category	Item	Audit Findings	Risk Assessment	Recommendations	Budget Estimate (P1 and P2 items)
Carriageway Width	5.	Narrow carriageway for some roads presents a risk for B-Double vehicles. The level of risk associated with this issue is dependent on traffic volumes and other geometry issues such as crests and horizontal curves.  Refer to Photos 6 and 7 in Appendix A for some examples.	P1/P2	Review carriageway width in relation to traffic volumes, using Tables 3 and 4 of the PBS Guidelines. As a minimum, width should be increased at crests and horizontal curves.	\$9,930,000 (31 items)
Sight Distance and Intersection Widening	6.	A number of intersections were observed to have a combination of both insufficient sight distance and insufficient radii. This combination leads to a high risk rating for commodity routes as drivers will be forced to cross the centreline of the road due to the insufficient radii at a location where sight distance is insufficient and therefore not knowing if a vehicle is approaching. The level of risk associated with this issue is dependent on traffic volumes on the major and minor leg of the intersection.  Refer to Photo 8 in Appendix A for an example.	P1/P2	These intersections can have a range of treatments to improve them. Many of the sight line issues are related to vegetation and this can often be managed by tree trimming. Additionally, the radii issues can be improved by widening the junction. Treatment of one of these issues will result in a residual risk being reduced to P3.	\$5,150,000 (103 items)
Major Intersection Widening	7.	There were a handful of intersections and junctions where road widths were simply too narrow for B-Doubles to undertake turning movements on the pavement. Having to track off the pavement is considered very high risk and will create pavement issues.  Refer to Photo 9 in Appendix A for an example.	P1	These intersections should be widened to ensure B-Double turning movements can be undertaken on the pavement at the very least, ideally vehicles can complete turning movements without crossing the centreline.	\$2,700,000 (27 items)

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Category	Item	Audit Findings	Risk Assessment	Recommendations	Budget Estimate (P1 and P2 items)
Pavement	8.	<p>Several roads were observed to have large sections of pavement which were extremely sandy and there was no stable pavement present. Other roads were covered in vegetation which made it difficult to know if there was any pavement underneath and if it was safe to proceed. While it is unclear, it was not expected B-Doubles would be able to traverse some of these larger sections.</p> <p>Refer to Photo 10 in Appendix A for an example.</p>	P1	These roads with poor pavement need to be upgraded to allow access for heavy vehicles. Otherwise consideration should be given to removing these roads from the Commodity route network.	\$58,485,000 (97 items)

## 7.0 ADDITIONAL CONSIDERATIONS

### 7.1 Signalised Intersections

The purpose of Section 2.5 of the PBS Scheme – Network Classification Guidelines is “To ensure sufficient clearance time and distances are available in the direction of travel for different Scheme vehicle classes at signalised intersections”.

As there are no signalised intersections along the routes inspected, there is no requirement to assess the increased impact of PBS Level 2 vehicles (i.e. B-Doubles) compared with existing PBS Level 1 (Single Articulated Vehicles).

### 7.2 Railway Level Crossings

The purpose of Section 2.6 of the PBS Scheme – Network Classification Guidelines is “To ensure sufficient warning and clearance time is available for different Scheme vehicle classes at railway crossings”.

As there are no active railway level crossings along the routes, there is no requirement to assess the increased impact of PBS Level 2 vehicles (i.e. B-Doubles) compared with existing PBS Level 1 (Single Articulated Vehicles).

### 7.3 GML vs HML

Selected existing gazetted Commodity routes have been considered as part of this network level assessment. None of the routes assessed, however, are currently gazetted as B-Double HML routes or PBS Level 2 routes.

As stated in Section 2.1, no higher mass limit considerations are included in the network level heavy vehicle route assessment, other than obvious bridge or culvert load restrictions. It is therefore strongly recommended that any decision by Council to increase the classification of a B-Double Commodity route (either via gazettal or permit) to a PBS Level 2 (equivalent to a B-Double HML) route should be preceded by a detailed check that the proposed route is suitable for the higher axle loads associated with a HML classification.

## 8.0 SUMMARY

There are a number of risk management issues associated with the current gazettal of low use unsealed Commodity routes within Yorke Peninsula Council for B-Double vehicles. Categorised by assessed risk level, the main issues and recommended approach (subject to Council deciding upon its tolerance for risk) are:

### 8.1 P1 – Very High Risk Commodity Routes

142 items within the assessed gazetted Commodity routes have been classified as a P1 “very high risk” for B-Double vehicles. In the context of the assessed network, this equates to 17% (by number) or 18% (by length) of the assessed Commodity routes.

These items by definition must be addressed if gazettal status of the route is to be retained. Typical items are described in the table of findings, while relevant photographs are included in Appendix A and a full list of P1 sites is provided in Appendix B1.

Without treatment, revoking the status of gazetted Commodity routes is recommended as an appropriate course of action for many of the additional P1 Commodity routes identified in Phase 2 of the project. However, some of the routes could have their risk rating reduced in a cost-effective way (e.g. installation of give way signage).

It is expected that removal of gazetted Commodity route status for P1 Commodity routes will not have a major impact on industry. Isolated operators who still require farm gate access would simply need to apply for a permit via the Heavy Vehicle Regulator. Note that DIT will need to assist in the removal of routes from RAVNet.

### 8.2 P2 – High Risk Commodity Routes

237 items within the assessed gazetted Commodity routes have been classified as a P2 “high risk” for B-Double vehicles. In the context of the assessed network, this equates to 28% (by number) or 30% (by length) of the assessed Commodity routes.

These items by definition should be addressed if gazettal status of the route is to be retained. If the route is economically important, and conditional upon the level of risk considered acceptable to Council, these routes may be maintained provided there is a commitment to a treatment program as funding becomes available. A full list of P2 sites is provided in Appendix B2.

### 8.3 P3 – Moderate Risk Commodity Routes

353 items within the assessed gazetted Commodity routes have been classified as a P3 “moderate risk” for B-Double vehicles. In the context of the assessed network, this equates to 42% (by number) or 41% (by length) of the assessed Commodity routes.

These items by definition could be addressed. However, risk reduction to a “low” residual risk is unlikely to be justifiable given the capital cost involved. It is therefore recommended that only sites where linemarking and/or signage improvements, or vegetation clearing, have been suggested should be considered, with any sites requiring significant reconstruction remaining as a “moderate” residual risk. Listings of these sites are available in Appendix B3.

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**9.0 ROUTE ASSESSMENT CONCLUDING STATEMENT**

A Network Level Heavy Vehicle Route Assessment has been undertaken of low use unsealed B-Double Commodity routes within the Yorke Peninsula Council not previously assessed under Phase 1 of the project. This has been completed for the purpose of determining whether these existing gazetted routes are suitable, on a risk managed basis, to remain gazetted as Commodity routes.

It should be noted that only road capacity, road geometry (with some preliminary intersection geometry) and road safety issues have been considered in this assessment, leading to a potential GML classification. For any route to be upgraded to a HML classification, additional consideration of pavement strength and durability, plus culvert/bridge load capacity, will be required. This was not part of the assessment process covered by this report.

Continuing gazettal of Commodity routes which incorporate P1 "very high risk" sites is not recommended, without immediate treatment to lower the residual risk to "high" (at worst) or "moderate" (preferred). There are 142 sites in the Commodity routes assessed under Phase 2 which fall in this category.

Continuing gazettal of Commodity routes which incorporate P2 "high risk" sites is recommended, provided Council can demonstrate that it is economically important to retain the gazetted route and has scheduled treatment to lower the residual risk to "moderate" in the medium term. There are 237 sites in the Commodity routes assessed under Phase 2 which fall in this category.



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## **Appendix A**

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Photos Showing Typical Very High Risk (P1)  
Sites



**Photo No. 1 (Item 2) – The intersection of Yorke Highway / Bowden Road / Jacka Road is six ways and has multiple give way signs, priority is unclear.**



**Photo No. 2 (Item 3) – The junction of Piggery Corner Road and Black Bobs Road is a Y-junction. Observation angles are poor and some turning movements are not possible due to the angles.**



**Photo No. 3 (Item 3) – The junction of Old Saltworks Road and St Vincent Highway is a Y-junction. Observation angles are poor and some turning movements are not possible due to the angles.**



**Photo No. 4 (Item 4) The intersection of Correll Road and Yorke Highway has a large central island with vegetation and trees on it.**



**Photo No. 5 (Item 4) – The junction of Didlyamulka Road and Mount Rat Road has a large vegetated central island.**



**Photo No. 6 (Item 5) – Brook Road has insufficient width for a B Double vehicle.**



**Photo No. 7 (Item 5) – Pistol Club Road has insufficient width for a B Double vehicle.**



**Photo No. 8 (Item 6) – The junction of Barns Road and Rocky Bend Road has insufficient sight distance and insufficient junction radii leading to a very high risk intersection.**



**Photo No. 9 (Item 7) – The junction of Bertram Road and Conservation Drive is very narrow and B-Doubles would not be able to complete turning movements.**



**Photo No. 10 (Item 8) – Balaklava Road is covered with grass and it is difficult to know if there is any pavement.**

## **Appendix B1**

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Field Assessment Spreadsheet

Commodity Routes – P1 Risk Rating

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.110	Agery Hill Rd	Lates Rd	Weetulla Tank Rd	3,342	P1	Intersection with Lates Road has give way, sight lines sufficient, radii insufficient will use full width due to road width, 4.6m carriageway, very narrow through cutting, pavement poor condition <b>large sandy sections</b> , radii insufficient will use full width due to road width, 4.6m carriageway, very narrow through cutting, pavement poor condition <b>large sandy sections</b> , trees within 3m clear zone and up to edge of pavement, <b>typically 4m wide and road cut down so vehicles cant get off if another comes</b> , straight alignment with very minor crests, sight lines fine, pavement very soft and sandy unsure if a truck would get through, 5m carriageway, pavement has grass growing in middle, clear zone improves, junction with Weetulla Tank Road has give way, sight lines insufficient due to embankments and vegetation, radii insufficient unsure if can be completed	5 - Carriageway Widths	\$395,000
4,347	Antonio Rd	Weavers Rd	Cutline Rd	2,272	P1	Intersection with Cutline Road - Has give way sign, sight lines ok to left, insufficient to right due to vegetation. Radius insufficient - turning movements not possible on pavement due to narrow width of Antonio Rd. Mid-block - <b>3m pavement width</b> , reasonable number of trees within 3m clear zone. Some grass growing along centre of road. Pavement surface is good. Intersection with Weavers Road - Has give way sign, sight lines sufficient, radii insufficient, <b>needs to use full width and may not be able to make turn on the pavement.</b>	8 - Pavement	\$455,000
25.111	Antonio Rd	St Vincent Hwy	Weavers Rd	2,828	P1	(Photo) - north end Intersection with Weavers Road - Has give way sign, sight lines sufficient. Radius insufficient - <b>turning movements not possible on pavement due to narrow width of Antonio Rd.</b> Mid-block - <b>3m pavement width, grass growing in middle, pavement poor</b> - uneven rock and potholing. Winding alignment - no delineation. Some sections of pavement have drainage issues, <b>evidence of pooling within the roadway</b> . Widens at southern end. (Intersection with St Vincent Hwy) - T-junction into Little Glory Road prior to St Vincent - Horizontal curve into intersection - hazard boards and intersection past a curve sign present. Sight lines to left insufficient, ok to right. Radius insufficient, will use full width for turns.	8 - Pavement	\$570,000
4,348	Back Rd	Maitland Rd	Wheare Rd	1,725	P1	Intersection with Maitland Road has give way, <b>poor angle Y junction</b> , sight lines sufficient but poor observation angle, radii insufficient for some movements due to angles, 7m carriageway, pavement good condition some minor corrugations, trees within 3m clear zone, straight alignment, has priority at Wheare Road	3 - Major Intersection Upgrade	\$500,000
25.112	Back Rd	Cunningham Rd	Pine Point Rd	3,187	P1	Junction with Cunningham Road has give way, <b>Y junction with poor angle</b> , (photo), sight lines insufficient to west due to vegetation, sufficient to east but poor angles, radii insufficient for some movements, needs to be squared up, <b>4m carriageway</b> , pavement reasonable, alignment light with horizontal and vertical curves, minor sight line issues, trees within 3m clear zone, branches and vegetation encroaching, <b>intersection with Pine Point Road has give way, Y-junction</b> , sight lines sufficient, poor observation angle, radii insufficient needs to be squared up	3 - Major Intersection Upgrade	\$250,000
4,350	Bagnells Well East Rd	Harry Butler Rd	Rabbit Corner Rd	2,290	P1	(Photo) Intersection with Harry Butler Rd - (intersects instead with Depot Shed Rd prior) - <b>No give way sign and Y junction prior to major intersection. Unclear who has priority and poor observation angle. Recommend to install give way sign.</b> Sight lines sufficient, Radius insufficient, left-out and right-in movements likely to track off of pavement. Mid-block - <b>4m pavement width</b> , poor pavement surface, trees within 3m clear zone, horizontal curves with insufficient sight lines (vegetation blocking sight). Narrow corridor, not recommended for heavy vehicle use. Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, limited to the left due to vegetation. Radius insufficient, vehicle will track off the pavement.	3 - Major Intersection Upgrade	\$250,000
4,351	Bagnells Well East Rd	Rabbit Corner Rd	Bubacowie Rd	1,856	P1	(Photo) Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, limited to the left due to vegetation. Radius insufficient, vehicle will track off the pavement. Mid-block - <b>3m wide track (widens to 4m eastern end), grass growing in centre, pavement surface poor</b> , trees within 3m clear zone, some small horizontal curves with fair sight lines through. Narrow corridor, not recommended for heavy vehicle use. Intersection with Bubacowie Rd - Has give way sign (text faded away), sight lines sufficient, radius insufficient, vehicle will track off the pavement.	8 - Pavement	\$375,000
25.113	Bagnells Well West Rd	Kangaroo Flat Rd	Cudorowie Rd	2,935	P1	(Photo) Intersection with Kangaroo Flat Rd - <b>No give way sign</b> , sight lines sufficient, radius insufficient, vehicle will use full pavement width. Mid-Block - <b>Eastern end - little to no actual pavement, more of an undefined track.</b> Major potholes, undulations and exposed sections of uneven rock. Meanders between trees, pavement not suitable for heavy vehicle use. Western end - alignment and surface improves. <b>3m track.</b> Intersection with Cudorowie Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track off pavement for all turns.	8 - Pavement	\$590,000
25.114	Bagnells Well West Rd	Cudorowie Rd	Pookawarowie Rd	2,515	P1	(Photo) Intersection with Cud. Rd - Has give way sign, sight lines insufficient to the left (inside curve and vegetation to edge of pavement), radii insufficient, vehicle will cross centre line. Mid-block - <b>5 to 6m pavement width in some sections, piles of rubble rock 1 to 1.5m tall (hazard) against edge of pavement. Pavement appears non-existent in some sections. Central section pavement surface and alignment deteriorates to a winding track around trees. Not suitable for heavy vehicle use.</b> Intersection with Pookawarowie Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width.	8 - Pavement	\$505,000
25.116	Balaklava Rd	Little Sheoak Rd	Wild Dog Hill Rd	3,631	P1	Intersection with Wild Dog Hill Road has give ways, sight lines sufficient, radii insufficient due to <b>3m wide road, tall grass down middle, pavement very bad in sections, some sections fully grass</b> , (photo), intersection with Little Sheoak Road has give way, major sight line issues both directions due to road alignment, radii insufficient to complete movements	8 - Pavement	\$730,000
25.117	Balaklava Rd	Wild Dog Hill Rd	Yorke Hwy	2,028	P1	Intersection with Yorke Highway has give way, sight lines insufficient to east, sufficient to west, radii insufficient and trucks will not be able to complete due to narrow width, <b>3m track with grass down middle, grass completely over road in sections</b> , clear zone good, pavement poor, alignment reasonable, intersection with Wild Dog Hill Road has give ways, sight lines just sufficient, radii insufficient due to narrow width of road on both sides, <b>3m track with grass continues</b> .	8 - Pavement	\$410,000
25.119	Balaklava Rd	Point Soutar Rd	Levens Rd	7,383	P1	Junction at Levens Road has <b>no give way</b> or hazard board, sight lines insufficient to south, sufficient to north, radii insufficient, needs to be much wider pavement, <b>3.4m carriageway, some grass down middle</b> , pavement reasonable, some trees within 3m clear zone, alignment poor in sections with minor sight line issues, some have major sight line issues, intersection with Point Soutar Road has give way, sight lines insufficient along main road due to angles and vegetation, six legs, radii insufficient needs to be improved, <b>segment 3.6km section to north only road reserve</b>	5 - Carriageway Widths	\$740,000
25.855	Barnes Rd	Nalyappa Rd	Chapman Rd	1,715	P1	Junction with Chapman Road has give way, sight lines to north insufficient, to south sufficient, radii insufficient will need full road width, <b>4-6m carriageway</b> , pavement poor condition, trees within 3m clear zone, branches encroaching onto road, light horizontal curve with major sight line issues due to vegetation, intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient narrow road and turning movements may not be possible on pavement	5 - Carriageway Widths	\$175,000
4,335	Barrett Rd	St Vincent Hwy	Sturt Bay Rd	3,715	P1	Junction with St Vincent Highway has a give way, <b>Y junction</b> , (photo) sight lines insufficient to left due to horizontal curve, sufficient to right, <b>observation angle very poor, left out and right in not possible due to angle</b> , very dangerous set up, needs to be squared up, 6-7m carriageway, straight alignment with some upgrade, pavement good condition, clear zone has some hazards eastern end then becomes good, intersection with Sturt Bay Road has give ways, sight lines sufficient, radii insufficient will cross centreline	3 - Major Intersection Upgrade	\$500,000
4,387	Barrett Rd	Little Sheoak Rd	Yorke Hwy	3,807	P1	Intersection with Little Sheoak Road has give way, sight lines sufficient, vegetation trimming to south required, <b>priority unclear six ways</b> , radii insufficient for some movements due to angles, 6-7m carriageway, some trees within 3m clear zone, stobes on northern side of road and some within clear zone, pavement good but some loose rocks on road, alignment reasonable has large horizontal curve, minor crest sight lines fine, intersection with Wild Dog Hill Road has give ways, sight lines insufficient from eastern side due to tall grass, radii insufficient will cross centreline, sufficient from western side, sight alignment and pavement very poor in this section, junction with Yorke Highway has give way, <b>Y junction</b> , sight lines sufficient but very poor observation angle, radii insufficient for left in and right out due to angle (photo)	3 - Major Intersection Upgrade	\$500,000
4,375	Beegoodye Wells Rd	Twartz Road	Mirlacowie Rd	1,031	P1	Has priority at Mirlacowie Road, 7.8m carriageway, minor corrugations and some pot holes, vegetation up to edge, minor batter slope issues, loose material on surface, alignment light, <b>junction with Twartz Road has no give way and priority unclear, needs to be improved (photo)</b>	1 - Signage	\$1,000
37.751	Bertram Rd	Bamboos Rd	Conservation Dr	1,248	P1	Junction with Conservation Drive has no hazard board, sight lines insufficient due to vegetation, radii insufficient and cant do moves due to narrow widths, <b>sandy at junction, 3m wide carriageway (photo), 3m carriageway, pavement poor very corrugated, cant get off road as cut down</b> , widens to 5m pavement poor, seems to have priority at Bamboos Road, <b>no give way</b>	5 - Carriageway Widths	\$125,000
4,388	BHP Rd	Yorke Hwy	Stewies Rd	2,227	P1	Intersection with Stewie's Road has give way, sight lines insufficient due to grass and road alignment, radii insufficient will need full width, <b>grass on pavement, width down to 3m but typically 5m</b> , pavement has some rutting with water running down road, sight alignment, horizontal and vertical alignment very poor, major sight line issues and road only 4m wide in these sections so high risk, some isolated trees in clear zone and branches encroaching, width varies, long steep descent to intersection with Yorke Highway, has give ways, sight lines sufficient to north, insufficient to south, radii insufficient unlikely to complete turns due to large culvert under road	5 - Carriageway Widths	\$225,000
4,358	Black Gate Rd	St Vincent Hwy	Windmill Rd	2,614	P1	(Photo) Intersection with St Vincent Hwy - <b>Very acute angle differential access to/from Hwy via Old Saltworks Rd</b> , has give way sign, sight lines insufficient - particularly for right in from the highway looking across oncoming Hwy lane with little sight - <b>HIGH risk for a long vehicle with lengthened clearance time making this movement. Additionally, poor observation angle for left or right out - unsafe. Radius insufficient right out / left in turns not able to be made on pavement (could use Old Saltworks Rd instead) - ban this turn.</b> Mid-block - 6 to 8m pavement width, pavement surface good, some loose gravel and some weed growth in pavement at edges, numerous horizontal curves without delineation or curve widening - sight lines sufficient other than one (limited by vegetation), isolated trees within 3m clear zone. Within segment intersection with Old Saltworks Rd - Black Gate Rd has priority, has crossroad warning signs. Intersection with Windmill Rd - Black Gate Rd has priority.	7 - Major Intersection Widening	\$100,000
4,354	Black Swamp Rd	Yorke Hwy	Cook Rd	3,586	P1	Has priority at Cook Road, 7m carriageway, alignment is good, pavement good condition, some trees within 3m clear zone, more trees further on, junction with Yorke Highway has give way, <b>Y junction with left slip leg and large island</b> , sight lines sufficient, radii insufficient due to angle, <b>need to square up</b>	3 - Major Intersection Upgrade	\$500,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.128	Boundary Rd (Cum Flat Ward)	Davies Rd	Sparrow Rd	3,835	P1	Should have priority straight on at Davies Road. An <b>carriageway</b> , typically 4-5m wide, straight alignment with some vertical, trees up to edge, pavement average quality, can see a long way forward and get off road in some sections, <b>further on becomes one lane track with grass down middle</b> (Photo) pavement poor condition, junction with Sparrow Road has give way and hazard board, sight lines insufficient to south due to vegetation, sufficient to north, radii insufficient for movements due to narrow width	5 - Carriageway Widths	\$385,000
4.275	Bridge Rd	Upper Yorke Rd	Potawana Rd	2,161	P1	Junction with Upper Yorke Highway has give way, <b>Y-junction with poor angle, observation angles poor, radii insufficient for some movements due to angles</b> , sight lines insufficient in both directions due to horizontal curves in road, 6-7m carriageway, some grass growing on edges of pavement, some trees within 3m clear zone, pavement good, has priority at Potawana Road	3 - Major Intersection Upgrade	\$500,000
4.255	Bridge Rd (Edinburgh)	St Vincent Hwy (Nth)	St Vincent Hwy (Sth)	2,626	P1	Junction with St Vincent Highway North has give way, in 80 zone, <b>Y-junction, sight lines sufficient but observation angle very poor, radii insufficient for left in and right out due to angles not possible and need to be banned</b> , other movement fine, junction needs to be squared up, 6-7m carriageway, pavement poor with corrugations and pot holes, alignment poor with horizontal and vertical curves with minor sight line issues, vegetation up to edge, clear zone generally good, stobbes outside 3m, intersection with St Vincent Highway South has give ways, sight lines sufficient, radii insufficient may cross centreline	3 - Major Intersection Upgrade	\$500,000
25.130	Brook Rd	Boundary Rd	Twelve Mile Rd	3,257	P1	Intersection with Boundary Road has give way, sight lines sufficient, radii insufficient some movements not possible, <b>one lane track, grass down middle</b> (photo), poor alignment, trees in clear zone, pavement poor, <b>tall grass down middle of track, not a B Double road, impassable for a truck</b> , junction with Twelve Mile Road has give way, sight lines sufficient, radii insufficient	8 - Pavement	\$655,000
25.131	Bush Rd	Airstrip Rd	Standpipe Rd	4,501	P1	Intersection with Standpipe Road has no give way, sight lines insufficient due to vegetation, <b>radii insufficient and too narrow to turn into Bush Road, 3m wide track, grass down middle, alignment very poor, major sight lines issues, pavement very poor, not a B Double road, intersection with Airstrip Road has no give way, sight lines sufficient, radii insufficient</b>	8 - Pavement	\$905,000
25.133	Bushes Rd	Coast		1,964	P1	<b>Coast end is one lane track with grass down middle</b> (photo), poor alignment, pavement very poor and sandy, widens after 500m to 3-4m, pavement very poor, alignment fine, clear zone good, intersection with Bamboos Road has give way, sight lines sufficient, radii insufficient due to roads width may not be able to complete on pavement	8 - Pavement	\$395,000
25.135	Cape Yorke Rd	South Coast Rd	Foul Bay Rd	2,185	P1	Junction with South Coast Road has give way, <b>Y-junction set up, sight lines sufficient but observation angle poor, radii insufficient for left in and right out due to angle, needs to be squared up</b> , 5-7m carriageway, trees generally outside 3m clear zone, alignment light but reasonable, pavement very poor with sand, junction with Foul Bay Road has give way, <b>sight lines insufficient to south major issue</b> , insufficient to north, radii insufficient may not be able to complete as too narrow (photo)	3 - Major Intersection Upgrade	\$250,000
25.136	Cape Yorke Rd	Foul Bay Rd	Happy Valley Rd	2,848	P1	Does not exist from Foul Bay Road end		
4.286	Cartwright Rd	Boundary Rd	Sturt Bay Rd	4,196	P1	Intersection with Sturt Bay Road has give way, sight lines to north insufficient due to vertical curve, sufficient to south, radii insufficient will cross centreline, 6-7m carriageway, pavement reasonable, vegetation up to edge, some trees within 3m clear zone, rocks along edge of pavement, straight alignment with vertical curves, <b>narrow to 6m over crest</b> , pavement has some large pot holes, intersection with Tuckakooie Road has give ways, major sight line issues from western side due to horizontal curve and vegetation, radii insufficient will need full width, from eastern side sight lines sufficient to north still insufficient to south, 7m carriageway, straight, clear zone good, pavement good, junction with Boundary Road poorly set up with grass in middle, sight lines sufficient radii insufficient, needs to be formalised, (photo)	4 - Minor Intersection Upgrade	\$150,000
4.288	Causeway Rd (Edinburgh)	Bridge Rd	Parrington St	275	P1	Causeway just past this section, 4.5m seal with no line marking, steel poles on side, 30kmh speed zone, road becomes unsealed 6m wide, vegetation up to edge, <b>no give way at Bridge Street intersection, sight lines insufficient to right, major issues, sufficient to left, radii insufficient will use full width, not suitable for B Doubles</b>	7 - Major Intersection Widening	\$100,000
4.293	Cemetery Rd (Brentwood)	Anderson Rd	Culline Rd	2,455	P1	Junction with Culline Road has give way, needs hazard board, sight lines sufficient, 6m vegetation to east to improve, radii insufficient will cross centreline, 6-7m carriageway, some sight curves at the start, straightens out, some isolated trees within the clear zone, some vegetation encroaching, pavement average, junction with Anderson Road has give way, <b>Y-junction with poor angle, sight lines sufficient but observation angle poor, radii insufficient for some movements due to angle</b>	3 - Major Intersection Upgrade	\$250,000
4.289	Cemetery Rd (Curramulka)	Dans Rd	Mulburra Park Rd	2,881	P1	<b>Junction with Dans Road has give way, Y-junction, (photo), sight lines sufficient, poor observation angle, radii insufficient for some movements, danger of not giving way, needs to be squared up</b> , 6m carriageway, pavement good, clear zone good, straight alignment with vertical, pavement has some large pot holes, intersection with Mulburra Park Road has give ways, sight lines sufficient, radii insufficient will use full width but open	3 - Major Intersection Upgrade	\$250,000
4.291	Cemetery Rd (Curramulka)	Sheak Flat Rd	Micky Flat Rd	2,641	P1	Intersection with Sheak Flat Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, some trees in 3m clear zone, straight alignment with vertical curve, sight lines fine, pavement good, narrow to 6m, minor bulge drop off on eastern side, <b>intersection with Micky Flat Road has give way, sight lines to west insufficient with major issues due to angle and vegetation, sufficient to east, radii insufficient will need full width</b> (photo)	7 - Major Intersection Widening	\$100,000
25.137	Chapman Rd	Nalyappa Rd	Coast	4,268	P1	Junction with Nalyappa Road has give way, is a <b>Y-junction with poor angles and slip leg, sight lines to north insufficient very short due to horizontal curve, to south sufficient but poor observation angle, radii insufficient for left in and right out need to be banned</b> , other movements sufficient due to angle, 7m carriageway, pavement corrugated, trees within 3m clear zone, vegetation encroaching onto pavement, vertical curves with minor sight line issues, pavement rough in sections, road cut down with embankments on edges of road, sand on pavement, has priority at Barnes Road intersection, <b>no entry and gates over road just after</b> , seems Chapmans Rd actually extends to west, 7m carriageway, pavement very poor, vegetation on southern side of road, leads to dead end	3 - Major Intersection Upgrade	\$250,000
4.463	Coconut Rd	Upper Yorke Hwy	Holman Rd	1,719	P1	Junction with Upper Yorke Highway has give way, <b>two legs with large central island, poor angles, major sight line issues, radii insufficient for some movements, this needs an upgrade</b> , (photo), 7m carriageway, some grass growing on pavement edges, clear zone is good, pavement good quality, short sealed section past house very poor quality with major pot holes, trees start on southern side of road branches up to edge of road, has priority at Holman Road	4 - Minor Intersection Upgrade	\$150,000
25.141	Coonarie East Rd	Wild Dog Hill Rd	Foul Bay Rd	3,500	P1	<b>Junction with Foul Bay Road has two legs with large island with trees, legs have give ways, very poor observation angles and sight line issues, radii issues due to angles, southern leg steep and very sandy, needs to be improved and realigned</b> , 6-7m carriageway, pavement very poor with lots of sand, some trees within 3m clear zone, alignment poor with horizontal and vertical curves with major sight line issues, narrow 5-6m carriageway, pavement poor, some grass growing on pavement, junction with Wild Dog Hill Road has give way, needs hazard board, sight lines insufficient to north due to vegetation and vertical curve, sufficient to south, radii insufficient will use full width	4 - Minor Intersection Upgrade	\$150,000
25.142	Coonarie Rd	Foul Bay Rd	Hundred Line Rd	4,922	P1	Junction with Hundred Line Road has give way, sight lines sufficient, radii insufficient will use full road width, needs hazard board, 5-6m carriageway, pavement very sandy, vegetation up to edge, some trees within 3m clear zone, straight alignment with minor vertical, pavement poor quality, alignment light with horizontal curves and 5m wide in sections, poor pavement, major sight line issues, junction with Foul Bay Road has give way, sight lines sufficient, radii insufficient cant do right out or left in	8 - Pavement	\$985,000
4.507	Correll Ln (Minlaton)	Yorke Hwy	Cemetery Rd	431	P1	Junction with Cemetery Road has give way, <b>Y-junction, sight lines sufficient but poor observation angle, radii insufficient will cross centreline</b> , 8-9m carriageway, some trees 3m from edge, pavement good, horizontal curve fine, intersection with Yorke Highway has give way, <b>large central island, sight lines sufficient, radii insufficient due to island, needs to be removed</b> (photo)	3 - Major Intersection Upgrade	\$500,000
4.526	Croser Road	Bowden Road	Rogers Road	5,365	P1	Intersection with Bowden Road has give way, sight lines insufficient due to vegetation and horizontal curve, radii insufficient will need to use full width, first 500m 6-7m carriageway, straight and flat, vegetation up to edge and trees within clear zone, then <b>becomes one lane track with grass down middle, 3m track, pavement very poor condition, poor alignment with sight line issues, trees on edge, vegetation overhanging</b> , southern 1.50m widens to 6m, pavement poor condition, clear zone opens up, junction with Rogers Road has give way, sight lines just sufficient, radii insufficient, use full width (Photo)	8 - Pavement	\$1,075,000
25.865	Cudroowie Rd	Moorowie Station Rd	Pookawarowie Rd	406	P1	(Photo) <b>Short length of shortcut triangle road between other major roads.</b> Intersection with Pookawarowie Rd - Has give way sign, sight lines sufficient, observation angle poor due to acute intersecting angle, continues straight onto major road for one movement, for the other vehicle cannot physically track in, consider banning this movement also not needed due to triangle arrangement of this road and its connections. Mid-block - 5 to 6m wide pavement with grass growing in centre and edges (low use road). Pavement minimal but surface sufficient. Intersection with Moor Rd - Has give way sign (left), sight lines sufficient, radii insufficient, vehicle will track off pavement for almost all movements.	3 - Major Intersection Upgrade	\$250,000
25.147	Outline Rd (Kalkabury Ward)	Agery Rd	Penang Rd	3,201	P1	Intersection with Penang Road has give way, sight lines sufficient, radii insufficient will cross centreline, 5-6m carriageway, horizontal curve very light with minor sight line issues due to vegetation, some vegetation encroaching, trees within 3m clear zone, pavement reasonable but some soft spots, <b>becomes 3m wide, road cut down and vegetation so cant get off, straight, (photo), junction with Fuss Road has give way as well, priority unclear, sight lines insufficient along Fuss Road, sight lines along Agery Road sufficient, radii sufficient</b>	5 - Carriageway Widths	\$325,000
25.148	Outline Rd (Kalkabury Ward)	Penang Rd	Pedler Rd	1,629	P1	Junction with Pedler Road has no give way or hazard board, sight lines insufficient to west due to vegetation, needs trimming, sufficient to east, radii insufficient, may struggle to do some movements at all as very narrow, and road cut down, <b>3-4m carriageway, straight and flat, pavement reasonable, grass growing on pavement edges, clear zone good, intersection with Penang Road has no give way on this leg, needs one as priority is unclear, sight lines sufficient, radii insufficient will use full width, major dip at intersection due to drainage</b>	5 - Carriageway Widths	\$165,000
3.981	Davies Rd	Anderson Rd	Boundary Rd	1,641	P1	Intersection with Anderson Road has give way, sight lines sufficient, radii insufficient but can use full width reasonably open, 7m carriageway, pavement rough with some pot holes, trees generally outside 3m clear zone but some inside, minor sight line issues over crest, junction with Boundary Road has no give way or hazard board, more just a horizontal curve to east which makes priority unclear, need sign, <b>sight lines insufficient due to vegetation, radii insufficient, need give way to make priority clear</b> (photo)	6 - Sight Distance and Junction Widening	\$50,000
4.053	Diagonal Rd	Little Sheak Rd	Corry Point Rd	3,517	P1	Junction with Little Sheak Road has give way, very close to Yorke Highway junction, sight lines sufficient, radii insufficient, left and right in may not be possible due to angles, 6-7m carriageway, pavement is very corrugated, trees up to edge and cutting on edge of pavement, clear zone improves, alignment has horizontal curves but reasonable, needs a grade, junction with Corry Point Road is a <b>Y-junction, has give way, sight lines sufficient when squared up but very poor observation angle, radii insufficient for left in and right out movements need to be banned others alright</b> (photo)	3 - Major Intersection Upgrade	\$250,000
4.068	Diamond Lake Rd	Troubridge Hill Rd	Clan Ranald Rd	5,544	P1	Junction with Troubridge Hill Road has give way, sight lines sufficient, <b>Y-junction set up with poor observation angles, needs to be squared up, radii insufficient for left in and right out will need to be banned</b> , other movements possible, 6-7m carriageway, clear zone good first 20m, pavement good but soft in sections and damage evident, light alignment but sight lines sufficient, trees within 3m clear zone, water on road, width varies 5-7m, clear zone improves, pavement very poor, light horizontal curve with signs, crest with minor sight line issues, has priority at Clan Ranald Road	3 - Major Intersection Upgrade	\$250,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.047	Dodyamulka Rd	Mount Rat Rd	The Gunbarrel Rd	1,985	P1	Has priority at The Gunbarrel Road, 7m carriageway, straight alignment with minor vertical, trees within 3m clear zone and up to edge, pavement has some minor pot holes, junction with Mount Rat Road has give way and hazard board, sight lines insufficient to south due to horizontal curve, sufficient to north, radii insufficient due to large central grassy island, needs to be removed (photo)	4 - Minor Intersection Upgrade	\$150,000
4.092	Green Plains Rd	Holman Rd	Bussenschutt Rd	3,407	P1	Intersection with Holman Road has give way, sight lines sufficient, radii insufficient for some movements due to angle, 7m carriageway, pavement poor in patches, vegetation up to edges and encroaching, trees within 3m clear zone, some light horizontal curves with sight line issues due to vegetation, intersection with Bussenschutt Road has give way, large central island with tree, two legs, sight lines sufficient, radii insufficient for some movements, needs island removed	4 - Minor Intersection Upgrade	\$150,000
4.029	Gregor Rd	Roolama Rd	Porky Rd	3,179	P1	Has priority at Roolama Road, 5m carriageway, but generally one lane track with grass down middle, clear zone is good, widens in sections but generally one lane only, pavement very poor condition with soft spots, has priority at Porky Road but only leads into a road reserve	8 - Pavement	\$640,000
25.173	Gregor Rd	Porky Rd	Yorke Hwy	1,274	P1	Road inaccessible (Photo)		
4.032	Gun Tree Rd	Start Bay Rd	Old Saltworks Rd	4,080	P1	Junction with Old Saltworks Road has no give way sign, sight lines sufficient, observation angle poor, Y-junction with left in slip lane, radii insufficient for some movements, large central grassy island, needs to be removed and squared up, alignment reasonable, some trees within clear zone and vegetation up to edge but generally good, pavement soft in sections but reasonable, intersection with Tuckoikowee Road has give ways, sight lines insufficient to south, major issues as very short due to horizontal curve and sight lines, sufficient to north, radii insufficient will use full width, sight lines from eastern side sufficient, radii insufficient, steep descent to intersection, 7m carriageway, straight alignment with vertical curves, clear zone generally good, pavement good, junction with Start Bay Road has give way needs hazard board, sight lines sufficient, vegetation trimming would improve, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
25.159	Happy Valley Rd	Hundred Line Rd	South Coast Rd	5,202	P1	Junction with South Coast Road has give way, sight lines sufficient, radii insufficient will cross centreline, hard to see in due to trees, 6m carriageway, vegetation up to edge, pavement very sandy, straight alignment with minor vertical curves, unsure if trucks can make it through sandy sections? horizontal curves with minor sight line issues road widens to 7m carriageway, minor crests, intersection with Hundred Line Road has give way, poor angle should be squared up, sight line insufficient to north due to vertical curve, sufficient to south, radii insufficient will use full width	8 - Pavement	\$1,045,000
4.045	Hardwicke Bay Rd	Cudorowie Rd	Yorke Hwy	3,871	P1	(Photo) Intersection with Yorke Hwy - (First intersects with Pookawarowie Rd in a Y-junction, not visible (shaded by trees, no delineation and poor intersecting angle, not aware of prior intersection due to major intersection just past this, major risk of collisions here. At Yorke Hwy has a hazard board, sight lines sufficient, radius insufficient, likely to track over centre line. Mid-block - 6m pavement width, pavement surface good, trees within the 3m clear zone. Intersection with Cud. Rd - Hardwicke Bay, Rd has priority, has crossroad warning sign.	3 - Major Intersection Upgrade	\$500,000
3.994	Harmer Rd	Arthurton Rd	Sawley Rd	3,626	P1	Junction with Arthurton Road has give way, sight lines to south have a blind section, sight lines to north sufficient, Y-junction angle, radii insufficient due to angles, 6-7m carriageway, pavement good, horizontal curves with minor sight line issues, some trees within 3m clear zone, long upgrade to Sawley Road junction, Y-junction with a poor angle, sight lines sufficient, radii insufficient for left out and right in due to angle, needs to be squared up	3 - Major Intersection Upgrade	\$250,000
4.435	Hayes Rd	Gleasons Rd	Wurlie Rd	2,074	P1	Intersection with White Hut Road has give way, major sight line issues due to being on the inside of a horizontal curve, vegetation cleared on western side but still insufficient, radii insufficient will use full width, this is a dangerous junction, 5m carriageway, vertical curve with major sight line issues, pavement poor, clear zone good, major pot holes, poor alignment, pavement bad, has priority at Wurlie Road intersection	7 - Major Intersection Widening	\$100,000
4.039	Honner Rd (Kalkabury Ward)	Upper Yorke Rd	Pokinghome Rd	1,838	P1	Intersection with Upper Yorke Road has give way, angle very poor, Y-junction set up needs to be squared up, sight lines insufficient to south, sufficient to north but observation angle very poor, radii insufficient for some movements due to angles, 7m carriageway, trees within clear zone, pavement good but shape needs to be improved water running down middle of road, alignment fine, has priority at Pokinghome Road	3 - Major Intersection Upgrade	\$600,000
25.174	Honner Rd (Maitland)	Spencer Hwy	Saint Rd	2,912	P1	Junction with Spencer Highway has sufficient sight lines, radii insufficient due to Honner Road width and underground drainage, 4m wide road, (photo), grass down middle in sections, pavement soft then improves, 5m wide, alignment fine, clear zone good, intersection with Post Victoria Road has give ways, sight lines sufficient, radii insufficient will cross full width, same on western side of intersection, pavement very poor with major drainage issues, 3-4m wide track with grass down middle, branches encroaching, trees just outside clear zone, junction with Saint Road has no hazard board, sight lines sufficient, radii insufficient due to width of Honner Road	8 - Pavement	\$885,000
4.095	Hundred Line Rd	White Hut Rd	Yellowoorwie Rd	3,725	P1	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, vegetation up to edge, pavement poor, junction with Lower White Hut Road has give way although straight through, (photo), Y-junction set up, sight line and radii issues, needs to be sorted out and squared up, priority decided, 5-6m carriageway, vegetation up to edge, has priority at Yellowoorwie Road junction	3 - Major Intersection Upgrade	\$250,000
4.003	Ilman Rd	Yorke Hwy	McKenzie Rd	3,942	P1	Junction with Yorke Highway has give way, sight lines sufficient, radii insufficient due to large central island (photo), needs to be removed, 8-9m carriageway, straight alignment with minor vertical, lines generally outside 3m clear zone, pavement good condition, intersection with Cemetery Road has give way, sight lines sufficient, radii insufficient will cross centreline	4 - Minor Intersection Upgrade	\$150,000
4.004	Jacka Rd	Yorke Hwy	Harry Butler Rd	4,217	P1	Intersection with Harry Butler Road has give way, six ways junction, sight lines sufficient along Harry Butler Road, radii insufficient for left out and right in need to be banned due to angles, priority confusing with Cudrovia Road, should formalise, 6m carriageway, pavement good, some trees in 3m clear zone but generally good, alignment has some horizontal curves but sight lines reasonable, intersection with Yorke Highway has give way, priority confusing with Bowden Road as meets at same point, both ends junctions need to be upgraded, large central island (photo) sight lines to north sufficient, insufficient to south, radii insufficient for some movements due to island	4 - Minor Intersection Upgrade	\$150,000
4.065	Jacobs Ln	Birkin Rd	Yorke Hwy	2,989	P1	Junction with Birkin Road steep up to junction, sight lines insufficient, radii insufficient, 6m carriageway, poor alignment with sight line issues, intersection with Coleman Road has give ways, sight lines insufficient, radii insufficient, road narrows to 5m, trees within 3m clear zone, pavement good, intersection with Clinton Road has give ways, sight lines sufficient, radii insufficient, road 5m wide, junction with Yorke Highway has two legs, sight lines sufficient radii insufficient for some movements, large central island needs to be improved	4 - Minor Intersection Upgrade	\$150,000
4.033	Johns Road	Gap Road	End of Sheeting	1,763	P1	Junction with Gap Road has no give way but appears it should, sight lines sufficient but poor due to angle, Y-junction, have junction with Nalyappa Road to east, radii insufficient for some movements due to angle, 4m carriageway for first 1km then becomes track with grass down middle, vegetation up to edge	3 - Major Intersection Upgrade	\$250,000
4.007	Kellys Hill Rd	Shed Rd	Sampshire Rd	2,143	P1	Junction with Sampshire Rd is a Y-junction, give way and priority not clear, needs sign, also dangerous and curve is hard to see from Kellys Hill Rd, pavement poor, width varies from 4m to 6m, grass up to edge, straight alignment, has priority at Shed Rd intersection, however tight curve through intersection	3 - Major Intersection Upgrade	\$250,000
4.009	Kilaran Rd	Reservoir Rd	Kainton Rd	1,971	P1	Intersection with Kainton Road has sight line issues, radii insufficient for some movements due to angles, 4-5m unsealed carriageway, trees within 3m clear zone, narrows to one lane with grass down middle, intersection with reservoir Road has insufficient sight lines due to trees, radii insufficient will need full width	5 - Carriageway Widths	\$200,000
4.017	Kilaran Rd	Upper Yorke Rd	Reservoir Rd	4,407	P1	Intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient, need full width, 4m unsealed carriageway, trees within 3m clear zone, pavement poor, alignment tight, not B Double route, junction with Upper Yorke Road has give way, poor angle, Y-junction, sight lines sufficient, radii insufficient for some movements due to angle	5 - Carriageway Widths	\$445,000
4.062	Koch Rd	South Kilkerran Rd	Balgowen Rd	653	P1	Junction with South Kilkerran Road has give way, Y-junction, (photo), sight lines insufficient to south due to vegetation and curve, sufficient to north but poor observation angle, radii insufficient for some movements due to angle, needs to be squared up as drivers unlikely to give way, 6m carriageway, straight and fat, pavement average, vegetation up to edge, intersection with Balgowen Road has give way, half knocked over sign, poor angle, sight lines sufficient, radii insufficient will cross centreline	3 - Major Intersection Upgrade	\$250,000
25.176	Kooraka Rd	Goldsmith Beach Rd	Stansbury Rd	1,074	P1	Not a formalised road (photo)		
25.177	Lake Fowler Rd	McEacherns Beach Rd	Green Hill Rd	3,565	P1	Intersection with McEacherns Beach Rd - Has give way sign, sight lines insufficient, restricted by a crest to the left, radius insufficient, vehicle will use full pavement width. Mid-block - Eastern end pavement width 4 to 5m, lots of grass growth through pavement at edges and centre (like road use), tree branches to edge of traffic line. Western end more of a track, 2m pavement, back with grass in centre, trees within 3m clear zone, crest with limited sight lines. Pavement non-existent further west. Not suitable for heavy vehicles. Within segment intersection with Black Gate Rd - has give way signs, sight lines sufficient, radius insufficient, vehicle will track off of pavement for turns. Intersection with Green Hill Rd - No sign, insufficient sight due to vegetation, radius insufficient - gate access, very narrow, truck not physically able to enter.	7 - Major Intersection Widening	\$100,000
25.184	Lakes Rd	Pipeline	Old Boundary Rd	5,728	P1	Intersection with Pipeline Road has give way, sight lines sufficient, radii insufficient, will cross centreline, 6m carriageway, vegetation encroaching, fence across road (both along (photo), other end is one lane track with grass down middle, junction with Old Boundary Road has give way, sight lines sufficient, radii insufficient will use full width.	8 - Pavement	\$1,150,000
4.126	Lamshed Rd	Adams Rd	Bussenschutt Rd	3,235	P1	Has priority at Adams Road, 'dry weather' road sign, road cut down would have drainage issues, trees within 3m clear zone, 7m carriageway some vegetation growing on pavement, width varies, junction with Bussenschutt Road has give way, large central grassy island two legs, poor angles, sight lines insufficient due to angles, radii insufficient for some movements due to angles, Y-junction set up needs to be improved	3 - Major Intersection Upgrade	\$250,000
4.236	Little Sheoak Rd	Point Turton Rd	Yorke Hwy	1,633	P1	Junction with Point Turton Road has give way, Y-junction, sealed throat, sight lines sufficient, observation angle very poor, radii insufficient for some movements due to angles, (photo), 7m carriageway, pavement very poor condition, clear zone good, straight alignment with minor vertical curves, intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline	3 - Major Intersection Upgrade	\$250,000
25.188	Little Sheoak Rd	Balaklava Rd	Murdock Rd	2,345	P1	Has priority at Balaklava Road intersection, 6m carriageway, pavement poor with lots of sand on it, vegetation up to edges and trees within 3m clear zone, straight alignment with minor vertical curves, minor and major sight line issues over crests, narrows in sections, pavement very poor junction with Murdock Road has give way, sight lines sufficient to west, insufficient and dangerous to east due to vegetation and road alignment, radii insufficient will use full width (photo)	8 - Pavement	\$470,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.181	Lower White Hut Rd	Hayes Rd	Hundred Line Rd	4,219	P1	Intersection with Hundred Line Road has priority around the corner, bi-directional hazard board confusing should be uni-directional. Y-junction set up but has priority, width varies between 7m and 5m, pavement poor in sections, vegetation up to edge with trees in 3m clear zone, lots of pot holes, width typically 6-7m, horizontal curves generally reasonable size with minor sight line issues, minor vertical only, has priority at Hayes Road Intersection	3 - Major Intersection Upgrade	\$250,000
25.192	Maca Beach Rd	Hill Rd	Coast	1,970	P1	Eastern end pavement very poor (photo), track really, pavement poor condition and very soft, straight alignment, clear zone good, pavement improves 3-4m track, minor vertical curve with rutting which very deep and dangerous, hard to see, intersection with Hill Road has give way, sight lines sufficient, radii insufficient will see off pavement	8 - Pavement	\$395,000
4.134	Main Rd	Port Vincent Rd	St Vincent Hwy	1,737	P1	Junction with Port Vincent Road has give way, is Y-junction, sight lines insufficient due to angles, radii insufficient for some movements (photo), need to square up junction, 6-7m carriageway, some trees within 3m clear zone, pavement good condition, junction with St Vincent Highway has give way, large central grassed island, sight lines sufficient but observation angles very poor, radii insufficient for some movements due to angles, need to remove island and square up	3 - Major Intersection Upgrade	\$500,000
7.611	Main St (Curramulka)	Fourth St	centenary rd	417	P1	50kmh speed zone, 8-9m wide carriageway, slobes within 3m clear zone, pavement good quality, becomes 7m seal with no line marking, then widens to allow on-street parking, junction with High Street Y-junction, no give way but seems like need to, sight lines sufficient but observation angle poor, radii sufficient but difficult to complete some movements due to angle, need to make priority clear, this junction also includes Fourth St	3 - Major Intersection Upgrade	\$250,000
4.168	Marlin Rd	Spencer Hwy	Bluff Rd	3,428	P1	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, trees within 3m clear zone, 6m carriageway, light horizontal curves with minor sight line issues, pavement good condition, vegetation up to edge, junction with Bluff Road has give way and hazard board, Y-junction set up needs to be squared up, sight lines sufficient but poor observation angle, radii insufficient for some movements	3 - Major Intersection Upgrade	\$250,000
4.181	McFarlane Rd	Pine Point Rd	Piggery Corner Rd	3,915	P1	Intersection with Piggery Corner Road has give way, sight lines sufficient, radii insufficient will cross full width, 6-7m carriageway, pavement good condition, some trees within 3m clear zone, vegetation encroaching in sections, typically 7m straight and flat, junction with Pine Point Road has give way, Y-junction, sight lines sufficient when squared up, poor observation angles, radii insufficient for some movements due to angle, needs to be improved as likely drivers will fail to give way (photo)	3 - Major Intersection Upgrade	\$250,000
25.189	Mcherny Rd	Melton South Rd	Kainton Rd	2,815	P1	Intersection with Melton South Road has give ways, sight lines sufficient, radii insufficient, will need full width, 6m carriageway, trees and vegetation along both edges and encroaching onto pavement, alignment tight in sections with minor sight line issues, pavement 5m wide only, pavement poor condition, junction has give way but two roads Barns Rd and Kainton Road, large grassy island, poorly set up, sight lines insufficient, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
25.191	McKenzie Rd (Innes-Penton Vale Ward)	3.4km NW of South Coast Rd	Wild Dog Hill Rd	2,565	P1	Junction with Wild Dog Hill Road has give way, sight lines insufficient due to vegetation, needs trimming, radii insufficient will use full width, 5-6m carriageway, lots of sand on pavement poor condition, clear zone generally good, lots of crests but sight lines reasonable, end of segment tight horizontal curve with major sight line issues due to vegetation, trucks will cross whole road width, major issue (photo)	6 - Sight Distance and Junction Widening	\$50,000
4.193	Miller Rd	Saint Rd	Greenlade Rd	1,229	P1	Intersection with Saint Road needs give way, has not got a sign, sight lines sufficient, radii insufficient, will cross centreline, 6m carriageway, straight and flat, pavement fine, clear zone generally good, intersection with Greenlade Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.195	Mills Rd	Port Julia Rd	St Vincent Hwy	1,850	P1	Junction with Port Julia Road Y-junction, sight lines sufficient but poor observation angle, radii insufficient for some movements due to angle, needs to be squared up (photo), intersection with Moorara Way has give ways, sight lines sufficient, radii insufficient will need full width both ways, 7m carriageway, pavement poor, trees within 3m clear zone, junction with St Vincent Highway has hazard board, sight lines sufficient, radii sufficient	3 - Major Intersection Upgrade	\$250,000
25.192	Maldarby Rd	Orrie Cowie Rd	Tuckokowie Rd	3,270	P1	Junction with Orrie Cowie Road has a give way, Y-junction shape, central grassy island, sight lines sufficient but observation angle poor, radii insufficient for some movements due to angle and island, (photo) 5-7m wide carriageway, pavement generally good but poor in patches, clear zone good, alignment tight but sight lines sufficient, some branches encroaching onto pavement, junction with Tuckokowie Road has give way, Y-junction angle, sight lines sufficient but poor observation angle, radii insufficient for some movements needs to be squared up	3 - Major Intersection Upgrade	\$250,000
4.225	Moloney Rd	Upper Yorke Rd	Arthurton Rd	3,467	P1	Intersection with Sawley Road and Upper Yorke Road is confusing as who has priority, no give way, large central island, sight lines sufficient, radii insufficient for some movements, 5-6m carriageway, trees within 3m clear zone, dry weather road sign, straight with minor vertical, narrows to 4m, pavement poor with soft sections, clear zone good for a while then trees again, road widens at western end, intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient likely to cross centreline	4 - Minor Intersection Upgrade	\$150,000
25.194	Moorara Rd (Price)	Reliance Rd	Mary St	876	P1	Junction with Reliance Road needs hazard board, sight lines sufficient, radii insufficient cant complete turns, 3m wide track trees within clear zone, pavement poor, water runs down road and damages pavement, floodway, intersection with Gardner St has give ways, sight lines sufficient, radii insufficient will need full width very tight, 5-6m carriageway pavement poor has rutting, 90 degree bend into Mary Street	8 - Pavement	\$180,000
4.150	Mount Terrible Rd	Parsons Beach Rd	Watson Beach Rd	3,740	P1	Intersection with Parsons Beach Road has give way, sight lines to west insufficient due to vertical curve, major sight line issue as sealed high speed road, sufficient to east, radii insufficient will cross centreline (photo)	6 - Sight Distance and Junction Widening	\$50,000
4.222	Mulburra Park Rd	St Vincent Hwy	Old Coast Rd	1,960	P1	Junction with Old Coast Road has give way, sight line sufficient, vegetation trim would improve, radii insufficient may cross centre of road, 4m carriageway, pavement wider but grass growing on it, some grass down centre of road, trees generally outside 3m clear zone, intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient will cross centreline on Mulburra Park Road as very narrow	5 - Carriageway Widths	\$200,000
4.227	Mumford Rd (Gum Flat Ward)	Hary Butler Rd	Bulbacowie Rd	2,872	P1	Intersection with Bulbacowie Road has no give way but seems like it should, sight lines sufficient, Y-junction angle, poor observation angle, left out and right in need to be banned due to angle, needs to be squared up, 6m carriageway, trees within 3m clear zone, advanced junction warning sign provided, grass and vegetation growing on edges of pavement, pavement average quality, straight alignment with minor vertical, half way clear zone improves and width increases to 8m intersection with Hary Butler Road has give way, sight lines sufficient to north, insufficient to south due to horizontal curve and vegetation, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
4.226	Mumford Rd (Kakabury Ward)	Wauratee Rd	Conservation Dr	2,321	P1	Junction with Conservation Drive priority unclear, major sightline issues, radii insufficient for heavy vehicles, 4-5m carriageway, pavement reasonable, clear zone generally good, straight and flat alignment, some trees within 3m clear zone, intersection with Wauratee Road has give way, sight lines sufficient radii insufficient will cross centreline	5 - Carriageway Widths	\$235,000
25.198	Murch Rd (Koolawurrie)	Mount Rat Rd	Rocky Glen Rd	692	P1	Junction with Rocky Glen Road has no hazard board, sight lines insufficient to east due to vegetation, sufficient to west, radii insufficient due to central grassy island, 4m carriageway, pavement ok, clear zone good, some pot holes and some rock exposed in pavement, straight and flat, junction with Mount Rat Road has no hazard board, sight lines sufficient, radii insufficient will cross centreline	5 - Carriageway Widths	\$70,000
25.204	Museum Rd (Edinburgh)	St Vincent Hwy	New Honiton Rd	1,198	P1	Junction with St Vincent Highway has give way, needs hazard board, sight lines sufficient, radii insufficient will cross centreline, 3m track with grass down middle, vegetation encroaching, pavement poor, poor alignment, essentially no pavement, clear zone generally good, rocks piles up on edge of clear zone, junction with New Honiton Road has give way, sight lines sufficient, branch trimming to west required, radii insufficient (photo)	8 - Pavement	\$240,000
4.897	Nankivell Rd	Pedler Rd	Cadd Rd	4,221	P1	Junction with Cadd Road has a hazard board or give way, sight lines sufficient, radii insufficient will use full width, has gates which are open, along paddock basically, 3m track, pavement fine, poor alignment, pile of rubble in clear zone, gates onto Arthurton Road, intersection needs give way, sight lines sufficient, radii insufficient will use full width, northern side of Arthurton Road has give way, poor angle but sight lines sufficient, radii insufficient, 5-6m carriageway, trees up to edge, pavement good condition, intersection with Pedler Road has give way, sight lines sufficient, radii insufficient will use full width	5 - Carriageway Widths	\$425,000
25.200	O'Grady Rd	Spencer Hwy	Port Victoria Rd	2,861	P1	Intersection with Port Victoria Road has give ways, sight lines sufficient, observation angle very poor to north due to junction angle, radii insufficient for right out and left in due to angles, other movements fine, dry weather only sign, width varies 4-7m, pavement poor with vegetation growing on edges, some down middle, some bushes and branches encroaching onto pavement, straight alignment, traffic hazard section where pavement very soft major drainage issue evidence of vehicles causing damage to road, improves, junction with Spencer Highway has no hazard board, sight lines sufficient to south, insufficient to north due to vertical curve, radii insufficient, pavement major issues	8 - Pavement	\$575,000
4.874	Old Saltworks Rd	St Vincent Hwy	Boundary Rd	4,815	P1	Has priority at Boundary Road, 7m carriageway, wider in sections, tight horizontal curves around lake but sight lines sufficient, pavement soft in sections, clear zone is good, 8m carriageway, horizontal curves tight but sight lines sufficient, pavement good condition, clear zone generally good, intersection with Black Gate Road has give way, sight lines insufficient both directions due to vegetation, radii insufficient will use full width, sight lines sufficient from eastern side, junction with St Vincent Highway has give way, sight lines sufficient but observation angle poor, Y-junction, radii insufficient for some movements, needs to be squared up very dangerous (photo)	3 - Major Intersection Upgrade	\$500,000
5.062	Orrie Cowie Rd	Sturt Bay Rd	Little Sheak Rd	4,071	P1	Intersection with Little Sheak Road has give way, six ways, sight lines along main road insufficient to south due to angle and vegetation, sufficient to north, priority confining, radii insufficient for some movements due to angles, 6m carriageway, light horizontal curves sight lines reasonable, vertical curve with minor sight line issues, clear zone generally good, pavement reasonable condition, branches badly encroaching onto pavement, light alignment in sections, junction with Balaklava Road has give way, Y-junction, sight lines sufficient but poor observation angle, radii insufficient for some movements, (photo), intersection with Sturt Bay Road has give ways, sight lines sufficient, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
5.032	Oster Rd	Yorke Hwy	Androssan Rd	1,904	P1	Junction with Androssan Road has give way, sight lines sufficient, Y-junction so poor observation angle, radii insufficient for some movements due to angles, 5-6m carriageway typically, cut down, clear zone good, pavement condition poor, straight alignment with steep vertical curves, minor sight line issues, intersection with Yorke Highway has give ways, sight lines sufficient, radii sufficient	3 - Major Intersection Upgrade	\$250,000
25.202	Peesey Rd	Yorke Hwy	Moorowe Station Rd	3,534	P1	(Photo) Intersection with Moorowe Station Rd - Has give way sign (faded), sight lines sufficient, radii insufficient, vehicle will use full pavement width for turns, Mid-block - Inconsistent pavement width from 4m to 8m wide, pavement surface very poor / insufficient, major deep potholing and evidence of ponding and damage (road within a floodplain), grasses growing within pavement, road alignment to the north is very bad - tight curves, more of an isolated track, only 3m wide with insufficient sight through vegetation and over crests. Not suitable for heavy vehicle access. Intersection with Yorke Hwy - DIDNT GET TO THIS END, ROAD UNSUITABLE - CONFIRM AT A LATER DATE.	8 - Pavement	\$710,000

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
5.041	Piggery Corner Rd	Black Bobs Rd	Yorke Valley Rd	2,310	P1	Intersection with Black Bobs Road has give ways, sight lines to west insufficient due to crest in road, sufficient to east, radii insufficient will use full width, 7m carriageway, vegetation up to edge, pavement is very corrugated, alignment flat and straight. Junction with Yorke Valley Road is Y-junction, has give way but sight lines insufficient poor observation angle, minor central island, radii insufficient for some movements, need to improve alignment (photo)	3 - Major Intersection Upgrade	\$250,000
4.954	Pipeline Rd	Arthurton Rd	Upper Yorke Rd	1,543	P1	Intersection with Arthurton Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, trees within 3m clear zone, pavement poor condition, alignment fine, intersection with Upper Yorke Road has give way, angle poor like a Y-junction, sight lines to south insufficient, north sufficient, radii insufficient for some movements due to angle, should be squared up	3 - Major Intersection Upgrade	\$500,000
4.955	Pistol Club Rd	Clinton Rd	North South Rd	2,610	P1	Intersection with North South Road has give way, sight lines sufficient but tight due to vegetation, radii insufficient, 4m wide carriageway, trees within 3m clear zone, narrows to one lane road with grass down middle, 3m wide, cant get off road (photo), 90 degree horizontal curve, pavement soft in sections and damaged from being driven wet, junction with Clinton Road has give way no hazard board, sight lines insufficient due to vegetation, radii insufficient for some movements	5 - Carriageway Widths	\$285,000
4.992	Pookawarwie Rd	Bagnells Well West Rd	Yorke Hwy	3,813	P1	(Photo) - Same as Hardwicke Bay P1 Intersection with Bagnells Rd - Pookawarwie Rd has priority, Mid-block - 8m pavement width, pavement surface ok, some minor corrugation, trees within 3m clear zone, some at edge of pavement, some weeds growing within pavement at edges. Intersection with Yorke Hwy - Has give way sign (faded), Y-junction with Hardwicke Bay Rd prior to the intersection, priority unclear and poor observation angle (not ideal) - high risk for collisions at this first intersection as not highly visible, hazard board at main road. Sight lines sufficient, radius insufficient - likely to cross centre line.	3 - Major Intersection Upgrade	\$500,000
25.219	Pootawana Rd	Kainton Rd	Reservoir Rd	1,157	P1	Intersection with Kainton Road has give way, sight lines to east sufficient, to west very poor due to horizontal curve and vegetation, dangerous for all users, radii insufficient will need full width, 5m unsealed carriageway, some grass down middle, trees generally further than 3m back, pavement average, intersection with Reservoir Rd has give way, sight lines sufficient, radii insufficient, some movements not possible as too narrow roads	6 - Sight Distance and Junction Widening	\$50,000
4.546	Recluse Rd	Goldsmith Beach Rd	Gumbowie Rd	2,060	P1	Junction with Gumbowie Road has give way, Y-junction (photo), sight lines sight lines sufficient but poor observation angles, unsure if people will give way, radii insufficient for left out and right in need to be banned due to angle, other movement fine, 5m carriageway with grass down middle in sections, trees up to edge in sections, straight and flat, pavement poor, intersection with Goldsmith Beach Road has give way, sight lines to north insufficient due to vegetation, sufficient to south, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
4.823	Redding Rd (East)	Black Bobs Rd	Yorke Hwy	3,410	P1	Junction with Black Bobs Road has no signage, give way knocked over, sight lines sufficient, can be improved with vegetation trimming, radii insufficient will use full width, 4.5m carriageway, straight alignment, pavement reasonable with some corrugations, trees within 3m clear zone, vegetation up to edge in sections, minor vertical, junction with Pine Point Road has no hazard board or give ways, sight lines sufficient, radii insufficient, Redding Road continues for a short section to Yorke Highway, Y-junction, with sight line issues due to vegetation and vertical curve, radii issues due to angle and poor observation angle, this section should be closed	3 - Major Intersection Upgrade	\$600,000
25.214	Reo Rd	White Hut Rd	Yellowoorwie Rd	3,583	P1	Junction with Yellowoorwie Road has give way, intersection covered with vegetation, sight lines sufficient, radii insufficient, 3m track with grass along middle of road, (photo), some trees within clear zone, pavement poor, straight alignment with tight crest, sight line issues, widens to 4m for northern 300m, intersection with White Hut Road has give way, sight lines sufficient, radii insufficient	8 - Pavement	\$720,000
25.222	Reo Rd	Corn Point Rd	Wurlie Rd	4,416	P1	Southern junction with Wurlie Road closed with a gate (photo), northern 2.0km open to a dead endgate, 3m track with grass down middle, major sight line issues over a crest, widens to 4m carriageway, straight alignment, vegetation trimmed back, pavement poor, poor vertical alignment with sight line issues, pavement has rutting, major pot holes, intersection with Corn Point Road has give way, sight lines sufficient, radii insufficient will use full width	5 - Carriageway Widths	\$445,000
25.223	Reo Rd	Wurlie Rd	White Hut Rd	1,665	P1	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient, track with grass down middle, marked an 'No through road' (photo)	8 - Pavement	\$335,000
5.000	Reservoir Rd	Pootawana Rd	Upper Yorke Rd	1,733	P1	Has priority at Pootawana Road, 5m carriageway, isolated trees in 3m clear zone more bushes, narrows to 3m with grass down middle of road, pavement reasonable, straight alignment, tall grass up to edge not easy for a truck to get off if a vehicle comes the other way no matter how unlikely, junction with Upper Yorke Road has no hazard board, Y-junction with poor angle, sight lines insufficient although false crest hard to tell, radii insufficient due to angles	3 - Major Intersection Upgrade	\$500,000
4.968	Rocky Bend Rd	Spencer Hwy	Barnes Rd	4,402	P1	There are two junctions with Spencer Highway and a large loop, the northern junction is a Y-junction with poor angle, sight lines insufficient, radii insufficient for left in and right out, other movements fine, loop section 8m wide, vegetation up to edges, minor sight line issues around curves, look 10m long, southern junction sight lines sufficient, radii insufficient for left out and right in need to be banned, other movements fine due to high angle, should be squared up, junction onto Rocky Bend Rd is Y-junction with minor leg, left in and right out not possible and need to be banned due to angle, other movement fine, 6-7m carriageway, trees within 3m clear zone up to edge, vegetation encroaching onto pavement, pavement corrugated, narrows to 4-5m carriageway, sight alignment with major sight line issues around horizontal curves due to vegetation, crests with sight line issues to pavement poor, intersection with Barnes Road has give way, sight lines insufficient to west and dangerous due to embankment (photo), sufficient to east, radii insufficient for some movements due to road widths	3 - Major Intersection Upgrade	\$500,000
25.225	Rocky Bend Rd	Barnes Rd	Bagshaw Rd	3,929	P1	Intersection with Barnes Road has give way, sight lines insufficient to west due to horizontal curve, sufficient to east, radii insufficient for some movements very narrow, 6.7m carriageway, vegetation encroaching onto pavement, steep crests with major sight line issues, pavement sandy, narrows to 4-5m carriageway, cut down, numerous crests with sight line issues, straight alignment, pavement soft and poor, light alignment, intersection with Bagshaw Road has give way, sight lines sufficient, radii insufficient will use full width	5 - Carriageway Widths	\$395,000
25.215	Rocky Glen Rd (Koolawurtie)	Sparrow Rd	Mount Rat Wells Rd	1,746	P1	Junction with Sparrow Road has no hazard board, sight lines north insufficient due to vertical curve, sufficient to south, radii insufficient due to Rocky Glen Road width, (photo), one lane track with grass down middle, poor pavement, trees within 3m clear zone, vegetation up to edge, western 200m 4m wide carriageway, poor pavement, junction with Mount Rat Wells Road has no hazard board, sight lines sufficient, radii insufficient	8 - Pavement	\$350,000
4.627	Sapphire Rd	Yorke Hwy	Shed Rd	3,055	P1	Junction with Yorke Highway has no give way or hazard board, sight lines very good, radii insufficient will cross full width, can easily see into Sapphire Rd to check it is clear, unsealed carriageway, vegetation low but up to edge and onto pavement, 5-6m wide carriageway, intersection with Borboice Rd has priority with give ways on side roads, pavement reasonable condition, up to Kooly Hills Rd junction Sapphire Rd is fine, this intersection is a Y-junction and poorly set up, need give way on Sapphire Rd leg, road becomes one lane track with grass down middle, 3-4m wide, straight and flat, pavement average, junction with Shed Rd has no hazard board, sight lines sufficient, radii insufficient and will need full road width and be very tight	3 - Major Intersection Upgrade	\$250,000
25.216	Sandy Point Rd	South Coast Rd	Coonarie East Rd	3,427	P1	Junction with South Coast Road has give way, needs hazard board, sight lines sufficient, radii insufficient will cross centreline, typically 6m carriageway some sections wider, poor horizontal and vertical alignment with major sight line issues, vegetation up to edges and encroaching onto pavement, some trees within 3m clear zone, pavement very bad in sections barely any there, junction with Coonarie East Road is Y-junction, priority unclear sight lines insufficient radii insufficient (photo)	3 - Major Intersection Upgrade	\$250,000
5.048	Savage Hut Rd	Weavers Rd	Olive Tree Rd	1,159	P1	(Photo) Intersection with Weavers Rd - Acute intersection angle (very tight <45 degrees) with Weavers Rd to the left, 6 leg intersection. Has give way sign, sight distance insufficient, vegetation impacting both directions and very poor intersection angle to left (although pre-intersection turnout connection provided to Weavers). Radius insufficient for left out and right in turns, will track off of pavement. Mid Block - 6 to 7m pavement width, heavy grass growth through pavement near edges, pavement surface otherwise good, some trees within 3m clear zone. Intersection with Olive Tree Rd - Has give way sign. Sight lines sufficient, radius insufficient, vehicles will track over full pavement width.	2 - Alignment and Signage	\$150,000
25.217	Savage Hut Rd	Green Flat Rd	Pentonvale Rd	1,113	P1	(Photo) Intersection with Green Flat Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicles will track off the pavement. Mid-block - 3m pavement width, grass in centre of pavement, pavement surface poor, uneven road and potholes. Isolated trees within 3m clear zone, light horizontal curve with no widening, fair sight lines through curve. Narrow track, not suitable for heavy vehicles. Intersection with Pentonvale Rd - Acute intersection angle, no give way sign (add), sight lines insufficient due to vegetation, crest and poor observation angle, radius insufficient - vehicle will track off of pavement.	8 - Pavement	\$225,000
4.979	Schilling Rd	Upper Yorke Rd	Bussenschutt Rd	4,675	P1	Intersects with Sunnysvale Road rather than Upper Yorke Road, sight lines sufficient, radii insufficient can use full width, one lane track, 3m wide with grass down centre (photo), some trees within 3m clear zone, vegetation up to edge and encroaching, poor alignment with minor sight line issues, approximately 1.5km south of Bussenschutt Road it widens to 5-6m carriageway, trees along edge, pavement good condition, intersection with Bussenschutt Road has give way, large central island makes angles poor and radii insufficient for some movements, sight lines sufficient for some legs	5 - Carriageway Widths	\$470,000
4.638	Shoak Hill Rd	Arthurton Rd	Lakes Rd	5,934	P1	Intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, pavement good condition, trees within 3m clear zone, vegetation up to edge and encroaching onto pavement, light horizontal curve with minor sight line issues, vehicles likely to cross centreline, wider now to 7m, after 1.5km road narrows to 5m with very poor pavement, trees up to edge, very soft, poor alignment 3-4m wide, has fence across at 3.8km, no access from Lakes Road	8 - Pavement	\$1,190,000
4.560	Sparrow Rd	Yorke Hwy	Butler Rd	4,075	P1	Intersection with Butler Road has give way, sight lines sufficient to east, insufficient to west due to horizontal curve and vegetation, radii insufficient will use full width, 8.7m carriageway, pavement has some pot holes and corrugations, trees within 3m clear zone, alignment fine, priority unclear with Saucer Road as both has give ways past this intersection for Yorke Highway, then have two legs onto Yorke Highway for these two roads, need to clarify priority, using leg straight ahead of Sparrow Road the sight lines along Yorke Highway are sufficient, radii insufficient for left out but other movements fine	6 - Sight Distance and Junction Widening	\$50,000
25.230	Stockers Lake Rd	Bublawie Rd	Savage Hut Rd	3,129	P1	(Photo x2) Northern section closed off / not accessible, southern side not trafficable, not suitable for heavy vehicle use		
4.633	Summer Track	Francis Rd	Yarum Rd	2,918	P1	Intersection with Yorke Valley Road has give way, Y-junction set up with poor angles, sight lines insufficient, radii insufficient due to angles for some movements, needs to be squared up, 7.5m carriageway, straight and flat, clear zone generally good but some trees within 1.1 pavement rough average condition, trees more frequent further south, intersection with Yarum Road has give way, hard to see on approach due to vegetation, sight lines a sufficient, can be improved to east by trimming vegetation, radii insufficient will use full road width	3 - Major Intersection Upgrade	\$500,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.740	Sundown Lake Rd	Port Vincent Rd	Dump Rd	4,735	P1	Intersection with Dump Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, straight at the start with numerous crests sight lines generally good, vegetation up to edge and encroaching onto pavement, some trees within 3m clear zone, pavement average condition, sight alignment in section with horizontal curves minor sight line issues, <b>junction with Old Port Vincent Road has give way and then both legs straight onto Port Vincent Road, priority unclear sight lines into Old Port Vincent Road major issue due to pine trees, sight lines along Port Vincent Road insufficient to west due to horizontal curve, very poor, insufficient to east, radii will cross centreline. (photo)</b>	2 - Alignment and Signage	\$150,000
25.231	Swincer Rd (Miniaton)	Yorke Hwy	Fuller Rd	621	P1	<b>Junction with Fuller Road has give way, sight lines to north sufficient, to south insufficient (photo) due to vegetation and vertical crest, major issue, radii insufficient, will use full width, 7.5m carriageway, lots of houses, pavement poor, vegetation up to edge and branches encroaching, some trees within 3m clear zone, no give way at Yorke Highway intersection, needs one, sight lines sufficient, radii sufficient</b>	6 - Sight Distance and Junction Widening	\$50,000
4.695	Tea Tree Glen Rd	Rocky Bend Rd	Nalyappa Rd	2,577	P1	Has priority at Rocky Bend Road, 4-5m carriageway, pavement good condition, minor crests with minor sight line issues, vegetation up to edge, straight alignment, some trees in clear zone, widens to 6m, Y junction with Ferguson Road, <b>sight lines sufficient but poor observation angle, radii insufficient for some movements, intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient will cross centreline</b>	3 - Major Intersection Upgrade	\$250,000
4.636	Thomson Rd	2.5km NW of Pipe Line Rd	Lakes Rd	2,375	P1	Junction with Lakes Road has hazard board on one leg, <b>large central island with two legs, major sight line issues to south due to vegetation and horizontal curve, sight lines sufficient to north, radii insufficient due to island. (photo)</b> , pavement good condition, 6-7m carriageway, horizontal curves but well set up, trees within 3m clear zone	4 - Minor Intersection Upgrade	\$150,000
4.673	Tiparra Church Rd	Old Boundary Rd	Nalyappa Rd	3,217	P1	Intersection with Old Boundary Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, pavement poor in sections, straight and generally flat, some vegetation up to edge, <b>junction with Nalyappa Road has give way, Y junction, sight lines insufficient to north due to vertical alignment and vegetation, sufficient to south, radii insufficient due to angles (photo) needs to be squared up</b>	3 - Major Intersection Upgrade	\$250,000
4.690	Tiparra Springs Rd	Nalyappa Rd	Coast	4,316	P1	Intersection with Nalyappa Road has give way, sight lines insufficient to south, due to vegetation and horizontal curve, major issues, sufficient to north, radii insufficient will use full width, 5m carriageway, pavement poor with major corrugations, straight alignment with minor crest with minor sight line issues, <b>4m wide in sections, pavement better, goes to dead end, trees in 3m clear zone</b>	5 - Carriageway Widths	\$435,000
4.746	Trig Rd	Weavers North Rd	Roberts Hwy	2,845	P1	Junction with Weavers North Road needs hazard board installed, sight lines sufficient, radii insufficient will use full width, <b>carriageway 3-4m due to vegetation growing on pavement, some trees within 3m clear zone, straight alignment with vertical curves, sight lines generally good, pavement reasonable but cant get off if someone comes other way, widens to 6-7m at western end, junction with Roberts Highway needs hazard board, sight lines insufficient to south due to vertical curve, sufficient to north, radii insufficient will use full width</b>	5 - Carriageway Widths	\$285,000
4.568	Twartz Rd	Yorke Hwy	Beeboodye Wells Rd	3,419	P1	Intersection with Yorke highway has give way well set back, large sealed apron, radii sufficient, sight lines sufficient north, insufficient south due to vertical curve, first 200m narrow seal past houses, then widens to 7m unsealed carriageway, clear zone good, pavement good but corrugated, some trees in 3m clear zone further west, alignment good, <b>junction with Beeboodye Well Road has hazard board, appears to have priority but should have give way, sight lines sufficient, radii insufficient will need full width for exit way</b>	1 - Signage	\$1,000
4.670	Ulonga Rd (Price)	Falrie Dr	Old Boundary Rd	2,470	P1	Has priority at Old Boundary Road, 4-5m carriageway, straight and flat, pavement fine, into town, intersection with Gardiner Road has give ways, sight lines sufficient, radii insufficient would need full width, 5m carriageway, trees up to edge of pavement, pavement poor, intersection with Reliance Rd has give ways, sufficient sight lines, radii insufficient turning movements not possible, pavement poor condition, footway is deep, intersection with One and All Rd has give ways, sight lines sufficient once at junction, radii insufficient will leave pavement likely, <b>road becomes one lane track with grass down middle, 3m wide poor alignment, trees up to edge, junction with Falrie Dr sight lines sufficient radii insufficient, some sections maybe ok but not whole length</b>	8 - Pavement	\$495,000
26.328	Unnamed Road 0936	Schilling Rd	Holman Rd	2,023	P1	Intersection with Schilling Road has give way, sight lines along Schilling Road sufficient, radii insufficient as road too narrow, may not be able to complete some movements on pavement, 5-6m carriageway, trees within 3m clear zone, pavement poor condition, <b>some grass on edges of pavement and down middle, alignment fine, junction with Holman Road needs hazard board, sight lines sufficient, radii insufficient left out may not be possible, other movements use full width</b>	8 - Pavement	\$405,000
4.677	Vinecombe Rd	St Vincent Hwy	Twelve Mile Rd	1,028	P1	<b>Junction with Twelve Mile Road has give way, Y junction, sight lines to east insufficient, poor observation angle, radii insufficient for some movements due to angle, 6-7m carriageway, light horizontal alignment with light curves with major sight line issues due to vegetation, grass growing on edges of pavement, vegetation up to edge, intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient, too narrow for some movements</b>	3 - Major Intersection Upgrade	\$250,000
25.234	Wapper Rd	Rickaby Rd	Coast	2,640	P1	<b>Intersection with Rickaby Road has no give way, needs give way, sight lines sufficient, can be improved to south with vegetation trimming, radii insufficient due to narrow width, 3m carriageway with grass down middle, vegetation up to edge and encroaching (photo), pavement poor, has exposed rock, large pot holes, sandy sections, trees within 3m clear zone, junction with Crosser Road has insufficient sight lines, radii insufficient, no hazard board</b>	6 - Sight Distance and Junction Widening	\$50,000
4.719	Wayside Rd	Kainton Rd	Melton South Rd	1,753	P1	Junction with Melton South Road has give way, sight lines sufficient, radii insufficient can use full width, trees within 3m clear zones on both sides, 5m unsealed carriageway, has give ways at <b>Bridge Road intersection, major sight lines issues, radii insufficient for some movements, will need full width, intersection with Kainton Road has give way, sight lines insufficient, radii insufficient cant do some movements</b>	6 - Sight Distance and Junction Widening	\$50,000
25.235	West Beach Rd	Corny Point Rd	Marion Bay Rd	3,805	P1	(Photo) <b>road reserve with gates, other end is a 300m section behind houses, 3m wide, vegetation up to edge, pavement reasonable, straight and flat, leads to dead end, junction with Corny Point Road has give way, sight lines sufficient, radii insufficient poor angle</b>	5 - Carriageway Widths	\$385,000
25.238	West Cowie Rd	Brutus	North Coast Rd	1,080	P1	Junction with North Coast Road has give way and hazard board, sight lines sufficient, radii insufficient will use full width, 6m carriageway, pavement reasonable, clear zone generally good, junction with Diagonal Road has very short approach sight distance to the give way over a crest, Y junction, <b>major sight line issues to west, east sufficient, radii insufficient for some movements, right out and left in cant be completed, (Photo), intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will need full width</b>	3 - Major Intersection Upgrade	\$250,000
4.784	Wild Dog Hill Rd	Yorke Hwy	Balaklava Rd	1,460	P1	Junction with Yorke Highway is a Y junction, <b>has give way, sight lines insufficient, poor observation angle, radii insufficient for some movements, (photo), needs to be squared up and improved, major horizontal curve on Yorke Highway, 7m carriageway, has priority at Barrett Road, clear zone good at start, pavement good condition, straight alignment with some minor vertical curves have minor sight line issues, pile of rubble within clear zone on western side of road, has priority at Balaklava Road intersection</b>	3 - Major Intersection Upgrade	\$500,000
4.775	Wilson Rd	Yorke Hwy	Honner Rd	4,255	P1	Intersection with Honner Road has give way, sight lines sufficient to west, insufficient to east due to vertical curve and vegetation, radii insufficient need full width, 6-7m carriageway, poor alignment with light horizontal curves with minor sight line issues, pavement corrugated, trees within 3m clear zone, minor crests, pavement reasonable, alignment improves, intersection with Yorke Highway (photo), has give ways, <b>priority unclear with Cudmore Road, large central grassy island, sight lines along Yorke highway sufficient, radii insufficient for some movements due to island, needs to be removed</b>	4 - Minor Intersection Upgrade	\$150,000
4.712	Wurlie Rd	2.7km W of Marion Bay Rd	Coast	2,783	P1	Leads to camp area, dead end basically, <b>3-4m carriageway, pavement badly corrugated, straight alignment with some minor vertical curves sight lines sufficient, clear zone generally good, minor sight line issues over some vertical curves, widens to 5-6m, pavement needs a grade</b>	5 - Carriageway Widths	\$280,000
25.247	Wurlie Rd	Levens Rd	2.4km W of Levens Rd	2,401	P1	<b>3m track, widens to 4m, pavement poor, straight alignment minor vertical, some trees in 3m clear zone, widens to 6m at easter end, pavement good condition, intersection with Levens Road has give way, sight lines sufficient, radii insufficient will cross centreline</b>	8 - Pavement	\$485,000
25.248	Wurlie Rd	2.4km W of Levens Rd	Hundred Line Rd	2,360	P1	Intersection with Hundred Line Road has give way, sight lines sufficient, radii insufficient will go of pavement due to road width, <b>3m track with grass down middle, pavement poor, alignment poor,</b>	8 - Pavement	\$475,000
25.249	Wurlie Rd	Hundred Line Rd	Hayes Rd	3,229	P1	Intersection with Hayes Road has give way, sight line sufficient, radii insufficient will go off pavement, <b>3m track with grass down middle, (photo), alignment fine but not great, pavement reasonable, clear zone generally good, grass down middle whole way, intersection with Hundred Line Road has give way, sight lines sufficient to north, insufficient to south due to vegetation, radii insufficient due to road width</b>	8 - Pavement	\$650,000
4.732	Yacca Rd	Weavers North Rd	Rogers Rd	2,848	P1	Intersection with Rogers Road has give way, sight lines sufficient, radii insufficient, some movements not possible due to narrow width on pavement, <b>3m track, grass down middle, widens to 4-5m carriageway, vegetation up to edge and encroaching, trees within 3m clear zone, straight alignment, pavement average, cant get off road, junction with Weavers North Road has give way, no hazard board, sight lines insufficient to north due to vegetation, sufficient to south, radii insufficient will use full road width</b>	6 - Sight Distance and Junction Widening	\$50,000
4.701	Yararoo Rd	Wayside Rd	Kainton Rd	3,991	P1	Typically 7m wide, alignment poor in norther section both horizontal and vertical, minor sight line issues in several locations, trees on both side of road within 3m clear zone, alignment improves pavement good, <b>junction with Kainton Road has large central island with trees, major sight line issues due to alignment, radii insufficient due to island, needs to be improved</b>	4 - Minor Intersection Upgrade	\$150,000

**Appendix B2**

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Field Assessment Spreadsheet

Commodity Routes – P2 Risk Rating

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,024	Adams Rd	Sunnyvale Rd	Lamshed Rd	4,307	P2	Intersection with Lamshed Road has give ways, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, pavement good condition, light horizontal curve with super-elevation and one guide post, more delineation would help, pavement up to 6m wide, another light horizontal curve similar to last one, still trees and vegetation up to edge of road, pavement good condition, intersection with Sunnyvale Road has give ways, sight lines are sufficient, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000
4,338	Adams Rd	Lamshed Rd	Holman Rd	2,135	P2	Has priority at Holman Road, carriageway 7m wide useable 6m due to vegetation growing on pavement edges, trees within 3m clear zone, bushes up to edge and branches overhanging onto road, pavement good condition, give ways at Busserschut Road intersection, sight lines sufficient, radii insufficient will need to use full width, 7m carriageway, vegetation up to edge trees in 3m clear zone, pavement good condition, intersection with Lamshed Road has give ways, sight lines sufficient to road, insufficient to west due to vegetation needs trimming, radii insufficient for some movements will need full width may not even be sufficient	6 - Sight Distance and Junction Widening	\$50,000
7,902	Airport Rd	School Rd	Cul de sac	373	P2	Leads to gate which is closed, 4m seal with 1-2m unsealed shoulders, no line marking, clear zone good, straight alignment with minor vertical, sight line fine, has priority at School Road	5 - Carriageway Widths	\$40,000
4,342	Anderson Rd (Stn Gum Flat Ward)	Yorke Hwy	Culfine Rd	3,491	P2	Intersection with Culfine Road has give way, sight lines sufficient to west, insufficient to east due to vegetation, radii insufficient will use full width, 7m carriageway, straight alignment, pavement corrugated, some vegetation up to edge, clear zone generally good, widens to 8m, needs to be graded, approach sight distance to give way poor over crest, give way to Honnor Road sight lines insufficient to east, then give way to Yorke Highway, sight lines sufficient north, insufficient to south, radii sufficient	6 - Sight Distance and Junction Widening	\$50,000
4,352	Bagnells Well East Rd	Bubiacowie Rd	Savage Hut Rd	1,864	P2	Intersection with Bubiacowie Rd - Has give way sign (text faded away), sight lines sufficient, radius insufficient, vehicle will use full width of the pavement. Mid-block - 6m wide pavement, pavement surface good, trees within 3m clear zone, some narrowing to 7m pavement width. Intersection with Savage Hut Rd - 5 leg intersection, unclear who has priority of 2 minor legs. Has give way sign, sight distance insufficient to the left (vegetation), radius insufficient, vehicle will cross centre line.	7 - Major Intersection Widening	\$100,000
4,329	Bagnells Well West Rd	Hary Butler Rd	Kangaroo Flat Rd	4,037	P2	Intersection with Kangaroo Flat Rd - Has give way sign and advance T-junction sign (remove), sight lines sufficient, radius insufficient, vehicle will cross centre line. Mid-block - 6m pavement width, pavement surface good, some isolated trees within 3m clear zone and some branches encroaching within road width. Some horizontal curves with no delineation or curve widening - have sufficient sight lines through curves. Intersection with Hary Butler Rd - Has give way sign (faded), sight lines insufficient (veg encroachment left and horizontal + vertical geometry + vegetation right). Wide pavement with left slip lane, radius insufficient, some crossing of the centre line still likely.	6 - Sight Distance and Junction Widening	\$50,000
4,327	Bagshaw Rd (Nth Kalkabury Ward)	Spencer Hwy	Rocky Bend Rd	3,579	P2	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 5-6m carriageway, sandy pavement, sight line issues over crest, pavement corrugated, uneven and sandy, trees within 3m clear zone, some vegetation encroaching, several crests with sight line issues, pavement poor, has priority at Rocky Bend Road	5 - Carriageway Widths	\$360,000
25,115	Balaklava Rd	Orrie Cowie Rd	Little Sheak Rd	3,134	P2	Intersection with Little Sheak Road has give way, sight lines insufficient, major issue to north, radii insufficient due to poor angles, five ways, 6m carriageway, pavement reasonable, alignment fine, some trees within 3m clear zone, width varies between 5-7m, has priority at Orrie Cowie Road	6 - Sight Distance and Junction Widening	\$50,000
25,118	Balaklava Rd	Yorke Hwy	Point Scoutar Rd	4,660	P2	Intersection with Point Scoutar Road is six ways, sight lines along main road sufficient, radii insufficient for some movements due to angles, 5-7m carriageway, pavement poor, poor alignment with horizontal curve with major sight line issues, some major pot holes, generally clear zone is good but long pile of rocks within clear zone, intersection with Yorke Highway has give way, sight lines sufficient, poor angle with poor observation line, radii insufficient for some movements	5 - Carriageway Widths	\$470,000
25,120	Balgowan Rd	Rifle Range Rd	Upper Yorke Rd	1,951	P2	Intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, trees within 3m clear zone, narrow, clear zone becomes fine, pavement very poor, drainage issues and water runs down road causing rutting, cars have damaged driving on when wet, straight alignment, intersection with Rifle Range Road has give way, sight lines sufficient, radii insufficient road not wide enough for some turning movements	7 - Major Intersection Widening	\$100,000
4,336	Bamboos Rd	Didyamuika Rd	Bertram Rd	4,348	P2	Has priority at Didyamuika Road intersection, 7m carriageway, vegetation up to edge and encroaching, clear zone generally good, pavement good, straight alignment, pavement becomes uneven and poor width varies, narrow to 5m in sections, corrugated and major pot holes, no give way seems to have to give way at Bertram Road intersection, needs give way, sight lines sufficient, radii insufficient will need full width	7 - Major Intersection Widening	\$100,000
4,330	Barkers Rocks Rd	McConkey Rd	Rickaby Rd	3,180	P2	Has priority at McConkey Road, 7m carriageway, trees within 3m clear zone, width varies between 6-8m, pavement average, straight alignment, minor vertical curves only, intersection with Rickaby Road has give way, sight lines insufficient due to horizontal curve and vegetation, can see better in truck, radii insufficient for some movements need full width	7 - Major Intersection Widening	\$100,000
4,331	Barkers Rocks Rd	Rickaby Rd	Coast	2,850	P2	Intersection with Rickaby Road has give ways, unclear if for Parsons Road to? Poorly set up, has large central island, give way unclear, needs to be realigned, sight lines sufficient, radii insufficient for some movements due to island, 6m carriageway, trees within 3m clear zone, widens to 7m, pavement corrugated, straight alignment, some bushes up to edge of pavement, encroaching more to west, some trees in clear zone also	6 - Sight Distance and Junction Widening	\$50,000
4,334	Barley Stacks Rd	South Kilkerran Rd	Spencer Hwy	4,296	P2	Intersection with Spencer Highway has give ways, sight lines sufficient, radii insufficient for some movements has central grassy island on southern side, not ideal needs to be upgraded, 6-7m carriageway, straight alignment with vertical curves, minor sight line issues over some crests, cutting 6m wide only, trees within 3m clear zone, pavement fine, becomes flat and straight, pavement good, intersection with South Kilkerran Road has give ways, sight lines insufficient, due to angles of roads and vegetation needs trimming, radii insufficient will need full width	4 - Minor Intersection Upgrade	\$150,000
25,124	Barnes Rd	Rocky Bend Rd	Nalyappa Rd	3,152	P2	Intersection with Nalyappa Road has give way, sight lines insufficient due to embankments and vegetation, radii insufficient will use full road width, 6m carriageway, straight alignment with vertical curves, minor sight line issues, pavement sandy, vegetation up to edge of pavement, width varies 5-6m, pavement poor condition, several crests with poor sight lines, grass growing on pavement narrows width, poor approach sight distance to intersection, consider warning sign, has priority at Rocky Bend Road	6 - Sight Distance and Junction Widening	\$50,000
4,361	Barnett Rd	Sturt Bay Rd	Little Sheak Rd	3,664	P2	Intersection with Sturt Bay Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, widens to 7m in sections, straight alignment with large vertical curves, some trees and vegetation in 3m clear zone, some stubbies in 3m clear zone but generally suitable, pavement good condition, alignment is fine, intersection with Little Sheak Road has give way, six ways intersection priority confusing, sight lines along main road insufficient to south due to vegetation, sufficient to north, radii insufficient for some movements, need to align better	2 - Alignment and Signage	\$150,000
4,377	Bennett Rd	Old Port Vincent Rd	Port Vincent Rd	2,130	P2	Intersection with Old Port Vincent Road has give ways, sight lines insufficient to east due to horizontal curve and vegetation, sufficient to west, radii insufficient will use full width, 6-7m carriageway, straight alignment with minor vertical curve some minor sight line issues, pavement poor in sections, vegetation up to edge and trees within 3m clear zone, intersection with Port Vincent Road has give ways, sight lines seem sufficient difficult to tell to east due to vertical curve, radii insufficient will cross full width	6 - Sight Distance and Junction Widening	\$50,000
4,371	Birkin Rd	Jacobs Lane	Kainton Rd	3,910	P2	Intersection with Kainton Road has give way, poorly set up with large central island, sight lines poor due to vegetation, 7m carriageway, trees within 3m clear zone, light horizontal alignment, minor sight line issues due to vegetation, pavement fine, buffer slope issues, has priority at Jacobs Lane	4 - Minor Intersection Upgrade	\$150,000
4,357	Black Bobs Rd	Spencer Hwy	Wauratlee Rd	3,750	P2	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 6-7m carriageway, pavement good condition, road cut down in sections so has hazard on edge, some vegetation up to edge, clear zone generally good but some trees within 3m clear zone, straight and generally flat alignment, narrows to 5m in sections, clear zone gets better, pavement good condition, intersection with Wauratlee Road has give way, five ways intersection, priority unclear on eastern side with other legs, sight lines to south insufficient due to vegetation and horizontal curve, sufficient to north, radii insufficient will cross centreline, left slip area formed too, needs to be formalised	6 - Sight Distance and Junction Widening	\$50,000
4,383	Black Bobs Rd	St Vincent Hwy	Redding Rd	3,103	P2	Has priority at Redding Road junction, 6m carriageway, straight with some vertical curves with minor sight line issues, pavement good condition, clear zone generally good some trees within 3m clear zone, some vegetation encroaching onto pavement, pavement becomes very poor with major pot holes, junction with St Vincent Highway has hazard board, sight lines to north insufficient due to vertical curve, sufficient to south, radii insufficient will cross centreline	8 - Pavement	\$625,000
4,370	Black Hill Rd	Gypsum Pt Rd	Diamond Lake Rd	4,269	P2	(Photo) Intersection with Gypsum Pt Rd (intersection is with New Horizon Rd, Gypsum Pt Rd is the staggered T continuation of Black Hill Rd) - Has give way sign, sight lines sufficient, radius insufficient, vehicle will cross centreline. Mid-block - 6m pavement width at northern end, to 7m at southern end, pavement surface good, some trees within 3m clear zone, some vegetation growing in pavement at edges. Intersection with Diamond Lake Rd - Has give way sign (faded), sight lines are insufficient due to being on inside of horizontal curve, on crest and vegetation (both sides), radius insufficient, vehicle will use full width of pavement and possibly track off of pavement.	7 - Major Intersection Widening	\$100,000
4,252	Borlace Rd	Yarroo Rd	Copper Coast Hwy	3,127	P2	Has priority onto Yarroo Road, 7-8m carriageway, pavement has significant corrugations, alignment has light horizontal curves, some grass growing on pavement edges, no curve widening, give way at Sampshire Road, sight lines insufficient to south, north sufficient, radii insufficient no wide enough for some movements, junction with Copper Coast Highway has give ways, sight lines sufficient, radii sufficient, segment slightly longer than on here	8 - Pavement	\$630,000
4,303	Borlace Rd	Yorke Hwy	Yarroo Rd	3,912	P2	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will need full width but open and can see in easily, 5-7m carriageway, 90 degree horizontal curves, can see around as no vegetation, pavement has minor pot holes, pavement very soft in section, vegetation growing on edges of pavement, clear zone is good, junction with Yarroo Road has no hazard board, sight lines to left insufficient, right sufficient, radii insufficient will need full width and just make turn	8 - Pavement	\$785,000
4,271	Boundary Rd (Gum Flat Ward)	Powerline Rd	Yorke Hwy	1,815	P2	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline due to angle, 6m carriageway, trees within 3m clear zone, pavement good quality, straight and flat alignment, has priority at Powerline Road	6 - Sight Distance and Junction Widening	\$50,000
4,321	Boundary Rd (Gum Flat Ward)	St Vincent Hwy	Brook Rd	1,867	P2	Has priority at Brook Road, 6m carriageway, downhill section of pavement poorly shaped and water runs down causing rutting, vegetation up to edge in sections, straight alignment with some vertical curves, junction with St Vincent Highway has hazard board and sealed throat, sight lines sufficient, light to north, radii insufficient will cross centreline	8 - Pavement	\$375,000
4,274	Boundary Rd (Innes Penton-Vale Ward)	Old Saltworks Rd	Cartwright Rd	3,488	P2	Junction with Cartwright Road basically just horizontal curve onto it, priority unclear needs to be improved, 6m carriageway, pavement very poor in sections, some trees within 3m clear zone, branches encroaching onto pavement, grass growing on pavement in sections, alignment reasonable light horizontal curve sight lines sufficient, barely any pavement, junction with Old Saltworks Road needs hazard board, sight lines sufficient to east, insufficient to west due to vertical curve, radii insufficient will use full width	8 - Pavement	\$700,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.268	Bowden Rd (Gum Flat Ward)	Harry Butler Rd	Croser Rd	2,704	P2	Has priority at Croser Road, 6-7m carriageway, vegetation along both edges, some encroaching onto pavement, trees within 3m clear zone, pavement average, light alignment with minor sight line issues, width varies between 5-6m, pavement average has drainage issues on uphill section with water running down road, poor alignment in segments, intersection with Harry Butler Road has give way, sight lines sufficient, radii insufficient will need full width	8 - Pavement	\$545,000
4.276	Bowden Rd (Gum Flat Ward)	Yorke Hwy	Harry Butler Rd	2,405	P2	Intersection with Harry Butler Road has give way, sight lines sufficient, radii insufficient will use full width, 5-6m carriageway, straight alignment with minor vertical crest, road widens well out down, isolated trees within 3m clear zone, give way at Yorke Highway junction, confining on priority as Jaeka Road leg on same side, needs to be improved, has central island, sight lines along Yorke Highway sufficient to north, insufficient to south due to horizontal curve, radii insufficient due to island	4 - Minor Intersection Upgrade	\$150,000
4.280	Bowden Rd (Gum Flat Ward)	Weavers North Rd	Minlaton Rd	1,932	P2	Junction with Minlaton Road needs hazard board, sight lines insufficient to west due to horizontal curve, sufficient to east, radii insufficient for left out due to angles, has give way, 7m carriageway, alignment fine, clear zone good except for short section with trees, pavement fine, intersection with Weavers North Road has give ways, sight lines sufficient, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000
4.284	Bowden Rd (Kalkabury Ward)	Arthurton Rd	Lakes Rd	4,283	P2	Junction with Lakes Road has give way, sight lines to south insufficient due to vertical curve, sufficient to north, radii insufficient will use full width, 5m carriageway which widens in sections, trees within 3m clear zone, some vegetation encroaching, pavement good condition, poor alignment but sight lines generally sufficient, intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient will likely cross centreline	5 - Carriageway Widths	\$430,000
4.253	Bridge Rd	Pootawana Rd	Walyalla Rd	1,751	P2	Has priority at Pootawana Road, 6-7m carriageway, grass growing on edges, alignment good, trees within 3m clear zone, pavement good quality, give way at Walyalla Road intersection, sight lines insufficient due to vegetation needs trimming, radii insufficient need to use full width	6 - Sight Distance and Junction Widening	\$50,000
37.746	Bridgman Rd	Pine Point Rd	Francis Rd	4,123	P2	Intersection with Pine Point Road has give way, poor angle, sight lines sufficient, radii insufficient will use full width, left in not possible due to angles, 4-5m carriageway, vegetation up to edge, trees within 3m clear zone, pavement very poor with large soft spots from poor drainage, width varies typically 5m, clay pavement, alignment reasonable, intersection with Francis Road has give way, sight lines sufficient to east, insufficient to west due to vegetation needs trimming, radii insufficient will need full width	5 - Carriageway Widths	\$415,000
4.267	Brook Rd	Ross Rd	Boundary Rd	1,676	P2	Junction with Ross Road has give way, needs hazard board, sight lines insufficient to west due to vegetation and vertical curve, sufficient to east, radii insufficient will need full width, 5-6m carriageway, grass growing on edge of pavement, pavement poor, some trees within 3m clear zone, straight alignment with some vertical, intersection with Boundary Road has give way, sight lines sufficient, radii insufficient some moves not possible	8 - Pavement	\$340,000
4.259	Broster Rd	Upper Yorke Rd	McCauley Rd	4,907	P2	Has priority at McCauley Road, 7m carriageway, straight and flat to start with, trees along both edges, vegetation up to edge and encroaching onto pavement, pavement good condition, minor pot holes near vertical curve, sight lines fine, lots of pot holes in pavement, intersection with Upper Yorke Highway has give way, V-junction, sight lines sufficient but poor observation angle, been done up recently but should have been squared up, radii insufficient for left out and right in due to angle, other movements fine	3 - Major Intersection Upgrade	\$600,000
4.308	Bull Ant Rd	Spencer Hwy	Weetulla Tank Rd	3,150	P2	Junction with Weetulla Tank Road has no give way, major central grassed island, sight lines to north insufficient due to vegetation and alignment, sufficient to south, radii insufficient for some movements due to island, needs to be removed, 5-6m carriageway, straight with minor crests some have minor sight line issues, vegetation up to edge and encroaching, trees within 3m clear zone, pavement good condition, intersection with Spencer Highway has give way, sight lines sufficient, has left slip, radii insufficient due to slip and small island	4 - Minor Intersection Upgrade	\$150,000
4.316	Cadd Rd	Weetulla Tank Rd	Arthurton Rd	3,617	P2	Junction with Arthurton Road has give way, sight lines sufficient, radii insufficient for some movements will cross full width, 7m carriageway, trees within 3m clear zone, pavement condition is poor, drainage issues, road cut down, alignment fine, width varies, lots of pot holes, intersection with Weetulla Tank Road has give way, sight lines insufficient due to vertical curves, radii insufficient will need full width	8 - Pavement	\$725,000
4.284	Cant Rd	White Hut Rd	Yellowroowie Rd	5,569	P2	Intersection with White Hut Road has give way, poor angle between roads, needs to be squared up, sight lines sufficient but observation angle poor, radii insufficient for left out and right in, other movements reasonable, needs to be squared up, 6-7m carriageway, clear zone generally good but large pile of rocks within it, horizontal curves but sight lines sufficient, pavement poor in patches, has lots of vertical curves with minor sight line issues over crests, pavement poor, more trees in clear zone now, has priority onto Yellowroowie Road	8 - Pavement	\$1,115,000
25.134	Cant Rd	Corny Point Rd	White Hut Rd	2,958	P2	Intersection with Corny Point Road has give way, five ways, priority confusing with Orle Cowie Road onto Corny Point Road, needs to be formalised, leads to poor angle with Corny Point Road, sight lines insufficient to east due to horizontal curve and vegetation, sufficient to west, radii insufficient due to angle, 5-6m carriageway, trees within 3m clear zone, pavement poor condition, straight alignment with minor vertical, intersection with White Hut Road has give way, poor angle between roads should be squared up, sight lines sufficient, radii insufficient for left out and right in need to be banned, other movements reasonable	2 - Alignment and Signage	\$150,000
4.309	Carbery Rd	Watson Beach Rd	Bluff Rd	3,845	P2	Intersection with Bluff Road has give ways, sight lines sufficient, radii insufficient will need full width, 7m carriageway, some bushes up to edge, pavement reasonable, odd trees within clear zone, straight alignment, minor vertical curves, horizontal curve at southern end has minor sight line issues, intersection with Watson Beach Road has give ways, major sight line issues, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
4.311	Carbery Rd	Cookie Beach Rd	Watson Beach Rd	2,685	P2	Intersection with Watson Beach Road has give ways, sight lines sufficient, radii insufficient for some movements, 6m carriageway, vegetation up to edge, trees within 3m clear zone, pavement sandy and poor, horizontal curves with major sight line issues, pavement corrugated, intersection with Cookie Beach Road has give ways, sight lines sufficient, radii insufficient will need full road width	8 - Pavement	\$540,000
4.287	Cartwright Rd	Start Bay Rd	Dead end	3,841	P2	Dead end, 5-6m wide carriageway, straight alignment, width varies, vertical curves with minor sight line issues, clear zone good but then vegetation up to edge and some trees within 3m clear zone, pavement not good, some rutting, lots of pot holes, intersection with Start Bay Road has give ways, sight lines insufficient to north due to vertical curve, sufficient to south, radii insufficient will cross centreline	8 - Pavement	\$770,000
4.290	Cemetery Rd (Curramulka)	Mulburna Park Rd	Sheak Flat Rd	2,385	P2	Intersection with Mulburna Park Road has give way, sight lines sufficient, radii insufficient will use full width, 7-8m carriageway, pavement good but corrugated, straight alignment with some vertical sight lines fine, clear zone generally good with trees 3m from edge, some inside, intersection with Sheak Flat Road has give way, sight lines sufficient to west but poor observation angle, insufficient to east due to vegetation, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.301	Cemetery Rd (Curramulka)	Micky Flat Rd	Yorke Hwy	2,231	P2	Intersection with Micky Flat Road has give way, sight lines sufficient, radii insufficient for left out, other movements good, 7m carriageway, straight alignment with some vertical, pavement good condition, clear zone generally good but some trees within 3m, intersection with Yorke Highway has give way, priority confusing with Twelve Mile Road, six ways intersection, sight lines along Yorke Highway sufficient, radii sufficient, need to improve layout	2 - Alignment and Signage	\$150,000
7.604	Clinton Rd	Arthurton Rd	Bowman Toe	489	P2	Has priority at Bowman Terrace, 9m seal, straight into school zone with flags out, intersection with Arthurton Road? Has give way, sight lines sufficient, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
4.462	Cookie Beach Rd	Mount Terrible Rd	Beegoodye Wells Rd	3,154	P2	Intersection with Mount Terrible Road intersection, 7-8m carriageway, pavement corrugated in sections some loose material on surface, some vegetation up to edges, isolated trees within clear zone, alignment good, just 90 degree horizontal curve into Beegoodye Wells Road with major sight line issues and no widening	6 - Sight Distance and Junction Widening	\$50,000
4.458	Cook Rd (Kalkabury Ward)	Dowlingville Start Rd	Yorke Hwy	2,905	P2	Intersection with Dowlingville Start Road has give way, sight lines insufficient due to vegetation and angles, radii insufficient due to angles, 6m carriageway, trees within 3m clear zone, branches encroaching onto pavement, pavement has pot holes and corrugations, 5-6m wide, minor vertical curves with minor sight line issues, 5m wide, corrugations, clear zone better now, intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$585,000
37.747	Cook Rd (Nih Gum Flat Ward)	Redding Rd	Black Bobs Rd	3,427	P2	Intersection with Black Bobs Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, pavement very rough, vegetation up to edge and encroaching on western side, some trees in 3m clear zone, vertical curve with minor sight line issues, narrows to 5m then widens again, pavement poor condition, horizontal curve reasonable, intersection with Redding Road has give way, sight lines to east sufficient, to west insufficient due to vegetation needs trimming, radii insufficient will cross centreline	8 - Pavement	\$690,000
4.469	Cook Rd (Sh Gum Flat Ward)	Port Vincent Rd	Old Port Vincent Rd	2,070	P2	Intersection with Old Port Vincent Road has give ways, sight lines insufficient to west due to vegetation and vertical curve, sufficient to east, radii insufficient will use full width, 6-7m carriageway, horizontal curve sight lines sufficient, clear zone generally good some trees and vegetation, pavement poor in sections but generally good, minor crest, approach sight distance to intersection poor due to it has advanced warning sign, some major pot holes, intersection with Port Vincent Road has give way, sight lines sufficient, vegetation trimming would improve, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000
4.470	Cook Rd (Sh Gum Flat Ward)	Old Port Vincent Rd	Minlaton Rd	4,019	P2	Intersection with Minlaton Road has give ways, sight lines sufficient to east, insufficient to west due to vertical curve, radii insufficient will cross centreline, 6-7m carriageway, trees up to edge and vegetation, pavement corrugated, light alignment with light horizontal curves, minor sight line issues, 7-8m carriageway, pavement poor in sections but generally good needs to be graded, alignment fine, clear zone improves, minor sight line issues over vertical curve, intersection with Old Port Vincent Road has give ways, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.472	Coolie Rd	Sunnyvale Rd	Lamshed Rd	2,808	P2	Intersection with Lamshed Road has give way, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, some bushes up to edge, pavement has large soft spot which is damaged, some pot holes and corrugations, intersection with Sunnyvale Road has give way, sight lines insufficient due to vegetation mainly to east, radii insufficient will cross middle of road	6 - Sight Distance and Junction Widening	\$50,000
4.410	Cross Rd (Gum Flat Ward)	Springfield Rd	Weavers North Rd	2,148	P2	Junction with Weavers North Road needs hazard board, no give way, sight lines sufficient, radii sufficient, 7m carriageway, straight alignment with minor vertical alignment, clear zone good some vegetation up to edge, pavement poor condition, junction with Springfield Road has no give way or hazard board sign, sight lines to north insufficient, to south sufficient, radii insufficient will use full width	8 - Pavement	\$430,000
4.400	Davey Rd	Old Boundary Rd	Melton South Rd	1,250	P2	Junction with Old Boundary Road has give way, poor alignment, sight lines insufficient due to low grass and angle, radii insufficient for some movements due to angle, 6-7m carriageway, isolated trees, pavement good, straight uphill, intersection with Melton South Road has give ways, angle poor, sight lines insufficient need to get into intersection, radii insufficient for some movements due to angles	2 - Alignment and Signage	\$150,000
4.402	Davey Rd	Clinton Rd	Coleman Rd	3,149	P2	Junction with Clinton Road is staggered T, has give way, sight lines sufficient, radii insufficient but can cross centreline, 7m unsealed carriageway, trees within 3m clear zone, pavement has some pot holes, straight alignment, minor vertical, intersection with Pioneer Road has priority, intersection with Coleman Road has give ways, poor angle, sight lines insufficient due to angle and vegetation, radii insufficient for some movements	6 - Sight Distance and Junction Widening	\$50,000
3.978	Davies Rd	Sandy Church Rd	Andrews Rd	4,308	P2	Intersection with Sandy Church Road has give way, five ways intersection, sight lines along Sandy Church Road sufficient, other legs insufficient but they have give ways, priority unclear with Yorke Valley Road leg, radii insufficient, can use full width onto Sandy Church Road but other legs not possible due to angles, 7m carriageway, trees within 3m clear zone, pavement condition good, straight and flat, narrows to 6m, pavement good, alignment good, clear zone improves, intersection with Andrews Road has give way, sight lines sufficient, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000

Yorke Peninsula Council

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
3,980	Davies Rd	Black Bobs Rd	Anderson Rd	3,184	P2	Intersection with Black Bobs Road has give way, sight lines sufficient, radii insufficient will use full width, harder to see in due to vegetation, 6-7m carriageway, vegetation up to edge, straight alignment with vertical curves with minor sight line issues, pavement has rutting and pot holes, trees generally outside 3m clear zone but some inside, pavement very poor in sections, needs to be shaped better, some crests have major sight line issues, intersection with Anderson Road has give way, sight lines sufficient, radii insufficient will need full width but reasonable as open	8 - Pavement	\$640,000
4,075	Depot Shed Rd	Harry Butler Rd	Weavers Rd	4,762	P2	Intersection with Weavers Rd - Has give way sign. Sight lines sufficient, radius insufficient - vehicle will track over full pavement width. Mid-block - 5 to 6m pavement width. Some grass growing in pavement edges, lots of trees within 3m clear zone. Slight horizontal curve with poor sight lines due to vegetation (in combination with narrow pavement width). Pavement widens to 6 to 7m north of Rabbit Corner Rd, some corrugation, crests with limited sight on approach. Within segment intersection with Rabbit Corner Rd - Give way signs on Depot Shed Road, sight lines sufficient to the left, insufficient to the right due to vegetation (requires trimming). Acute intersection angle - poor observation angle. Radius insufficient, vehicle requires full pavement width. Within segment intersection with Bagnells Well Rd E - Depot Shed Rd has priority. Intersection with Harry Butler Rd - Sharp horizontal curve into intersection, no delineation or advance warning of intersection (not visible on approach). Has give way sign. Wide dual / triangle intersection with island. Sight lines sufficient, radius insufficient for right turns unless using slip lanes (recommend to remove).	7 - Major Intersection Widening	\$100,000
4,051	Diagonal Rd	Comy Point Rd	Brabus Rd	4,675	P2	Intersection with Comy Point Road has give way, five ways, sight lines sufficient, radii insufficient for some movements, 6-7m carriageway, pavement minor corrugations and some pot holes, clear zone generally good with trees outside 3m clear zone, horizontal and vertical curves with minor sight line issues, pavement condition gets worse, some trees within clear zone now, narrows to 6m, junction with Brabus Road is a Y-junction but very wide so drivers can square up, sight lines are sufficient, has give way, radii insufficient will use full width due to angles between legs	7 - Major Intersection Widening	\$100,000
4,457	Dutschke Rd (West)	Port Victoria Rd	Nalyappa Rd	2,452	P2	Junction with Nalyappa Road needs hazard board, sight lines sufficient to north, insufficient to south due to vegetation, radii insufficient will need full road width, 7m carriageway, trees within 3m clear zone, some grass growing on pavement edges, pavement good quality, straight and flat, some bushes encroaching, intersection with Port Victoria road has give ways, sight lines to south sufficient, to north insufficient, poor angle, radii insufficient for some movements due to angles, horizontal curve on Port Victoria road causes sight line issue	6 - Sight Distance and Junction Widening	\$50,000
9,356	Falle Dr (Price)	One And All Rd	Black Swamp Rd	2,429	P2	Junction with Black Swamp Road has give way and hazard board, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees up to edge of pavement, some corrugations, 50 ahead signs, walk to Yorke route, sight horizontal curve with sight line issues, 50 zone, intersection with Reliance Rd has give ways, sight lines sufficient for low speed area, radii insufficient will need full width, junction with One and All Road has give way, poor alignment, sight lines sufficient radii insufficient due to angle	6 - Sight Distance and Junction Widening	\$50,000
25,169	Ferguson Rd	Spencer Hwy	Rocky Bend Rd	4,614	P2	Has priority at Rocky Bend Road, 7m carriageway, wider in sections, pavement generally good some sandy sections, vegetation trimmed back but then up to edge in sections, trees within 3m clear zone, sight horizontal curve with major sight line issues due to vegetation, intersection with Spencer Highway has give way, sight lines to south insufficient due to horizontal and vertical curve, sufficient to north, radii sufficient	2 - Alignment and Signage	\$150,000
3,987	Ford Rd (Mintaton)	Mintaton Rd	Yorke Hwy	4,281	P2	Intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient will cross centreline, 7.8m carriageway, vegetation and trees up to edge of pavement, lots of property access points, 6-7m wide, sight lines sufficient with minor sight line issues around curves due to vegetation, intersection with Tretlar Road has give ways, sight lines to north sufficient, insufficient to south due to horizontal curve, radii insufficient will need full width, sight lines sufficient from eastern side, 6m wide section with poor alignment then 7m widens and flat and straight, trees along edge branches need trimming, sight horizontal curve on approach to junction, very poor approach alignment will be across whole road, junction with Mintaton Road needs hazard board, sight lines insufficient to west, sufficient to east but need vegetation trimming, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
25,152	Foul Bay Rd	Coonarie East Rd	Coonarie Rd	2,801	P2	7m carriageway, vegetation up to edge, pavement generally good, straight alignment with minor crests, some light horizontal curves on approach to Coonarie East Road with minor sight line issues, pavement becomes poor quality, junction with Coonarie East Road just long sweeping curve with sight line issues and trucks will cross centreline	8 - Pavement	\$665,000
25,153	Foul Bay Rd	Coonarie Rd	Cape York Rd	3,572	P2	Has priority at Cape York Road, 6-7m carriageway, some vegetation up to edge, trees generally outside clear zone, pavement this less sand but still poor, long steep upgrade, sight lines fine, straight alignment, more sand on pavement, alignment becomes tight again around Coonarie Road junction with major sight line issues around the curve at junction, trucks will cross centreline to as very tight	8 - Pavement	\$715,000
25,154	Foul Bay Rd	Cape York Rd	South Coast Rd	1,504	P2	Junction with South Coast Road has give way and hazard board, sight lines sufficient, radii sufficient, 6m carriageway, pavement very sandy, vegetation up to edge, horizontal and vertical curves are tight with major sight line issues, has priority at Cape York Road	8 - Pavement	\$305,000
25,172	Foul Bay Rd	2.5km S of Yorke Hwy	5km S of Yorke Hwy	2,510	P2	6-7m carriageway, vegetation up to edge in sections, pavement poor quality with pot holes, numerous large crests with minor sight line issues, straight alignment	8 - Pavement	\$505,000
7,273	Fourth St (Curramulka)	Second St	Main St	153	P2	14m kerb to kerb, no line marking, straight and gradual down slope, stobes behind kerb, pavement looks fine, intersection with Main Street seems to give way but no signage, sight lines sufficient, radii sufficient	1 - Signage	\$1,000
7,658	Fourth St (Curramulka)	North Tee	Second St	116	P2	Within 500m zone, 7m seal with no line marking, straight alignment, has priority at North Terrace, seems to have priority at Second Street no give ways however	1 - Signage	\$1,000
25,155	Francis Rd	Bridgman Rd	Smith Rd	2,907	P2	Intersection with Bridgman Road has give way, sight lines sufficient, radii insufficient will use full width, 5-6m carriageway, clay road, trees within 3m clear zone, vegetation up to edge, generally straight but has some small kinks in alignment, pavement poor condition, intersection with Smith Road has give way, five ways, sight lines along Smith Road sufficient to east, junction to west with Yorke Valley Road, radii insufficient due to angles	7 - Major Intersection Widening	\$100,000
4,016	Goldsmith Beach Rd	Old Hanlon Rd	Heel Rd	4,846	P2	Junction with Heel Road has give way, sight line insufficient to east due to horizontal curve, sufficient to west, radii insufficient will cross centreline mainly due to angle quite wide, 7.8m carriageway, clear zone generally good some isolated trees and a large rubble pile on edge of road however, pavement has some corrugations, alignment good, very wide, pavement very poor in sections, intersection with Old Hanlon Road has give way, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$970,000
4,054	Goldsmith Beach Rd	Stansbury Rd	Port Giles Rd	2,900	P2	Intersection with Port Giles Road has give way, sight lines sufficient, radii insufficient, will cross centreline, 7m carriageway, trees within 3m clear zone, branches encroaching, pavement poor in patches, intersection with Stansbury Road has give way, Green Flat Road sign also has give way and meets at same point, priority confusing, sight lines along Stansbury Road sufficient, radii sufficient, need to make priority clearer with side legs	8 - Pavement	\$585,000
4,057	Goldsmith Beach Rd	Lake Fowler Rd	St Vincent Hwy	2,571	P2	Intersection with St Vincent Highway has give ways, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, vegetation up to edge, trees and stobes within 3m clear zone, pavement condition poor, lots of pot holes, straight alignment with minor vertical, width varies gets wider, intersection with Lake Fowler Road has give way, sight lines to west sufficient, to east sufficient, insufficient on Substation Road, radii insufficient will use full width	8 - Pavement	\$515,000
4,424	Goldsworthy Rd	Dans Rd	Cemetery Rd	1,840	P2	Has priority at Cemetery Road, intersection located after a crest has poor approach sight distance, advanced warning sign provided, 7m carriageway, clear zone is good, pavement reasonable, straight alignment with minor vertical crests, intersection with Dans Road has give way, poor angle, sight lines just sufficient but poor observation angle, radii insufficient for some movements, need full width	6 - Sight Distance and Junction Widening	\$50,000
4,425	Gordon Rd	Mumford Rd	Wauratee Rd	3,225	P2	Intersection with Mumford Road has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, vegetation encroaching, straight with minor vertical alignment, some isolated trees within 3m clear zone, vegetation up to edge, pavement poor in sections needs a grade, narrow to 6m, has give way at Black Bobs Road, sight lines insufficient due to vegetation to two eastern legs, sufficient to west to see Wauratee Road, radii insufficient for some movements due to angles	8 - Pavement	\$645,000
4,088	Green Flat Rd	Stansbury Rd	Depot Shed Rd	3,827	P2	Intersection with Stansbury Rd - Acute intersection angle, has give way sign, sight lines sufficient, observation angle poor due to intersection geometry, radius insufficient, left in turn likely to track off the pavement. Mid-block - 6 to 7m width, some isolated trees within 3m clear zone and some grasses growing through pavement edges. More trees within 3m clear zone at western end. Slight horizontal curve through western end. Intersection within segment with Weavers Hill Road, has give way signs in both directions (text faded off on eastern sign). Sight lines sufficient for both approaches, radii insufficient for both, both requiring vehicle to use full pavement width. Intersection with Depot Shed Rd - Acute intersection angle, has give way sign. Sight lines sufficient, observation angle poor due to intersection geometry. Radius insufficient, likely to track over centre line.	7 - Major Intersection Widening	\$100,000
4,028	Gregor Rd	Sparrows Rd	Rookama Rd	4,811	P2	Junction with Sparrow Road has give way and hazard board, sight lines sufficient, radii insufficient will use full road width and be tight, 4-6m carriageway, trees within 3m clear zone, pavement average, straight alignment, long gradual uphill section which has some drainage issues leading to water running across the road and causing ruts, pavement widens to 7m, has priority at Rookama Road	5 - Carriageway Widths	\$485,000
4,031	Gum Flat Rd (Mintaton)	Mintaton Rd	Yorke Highway	2,684	P2	Junction with Yorke Highway has give way, hazard board, sealed throat, sight lines sufficient, radii insufficient will cross centreline, steep upgrade and tight horizontal curve on approach to junction but well set up, 6-7m carriageway, pavement poor in sections, trees within 3m clear zone, sight alignment, pot holes and corrugations, rocks on edge of pavement, intersection with Ford Road has give ways, sight lines insufficient due to poor angles and vegetation, radii insufficient for some movements due to angles and widths, trees on edge of pavement reduce width, lots of property access points, intersection with Mintaton Road has give way, sight lines sufficient to east, insufficient to west due to horizontal curve and vegetation, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
25,157	Gym Beach Rd	Marion Bay Rd	Coast	3,980	P2	Junction with Marion Bay Road has give way, sight lines sufficient, radii insufficient will cross centreline, sealed throat, 7m carriageway, pavement good but corrugated, trees along edges, alignment becomes poor with horizontal and vertical curves with minor sight line issues, pavement badly corrugated, narrows to 6m, sand on pavement some horizontal curves with major sight line issues due to vegetation and very tight	8 - Pavement	\$800,000
25,158	Happy Valley Rd	Yorke Hwy	Hundred Line Rd	5,328	P2	Intersection with Hundred Line Road has give way, sight lines to north insufficient due to vertical curve, sight lines to south sufficient, radii insufficient will use full width, 5-6m carriageway, poor alignment with horizontal and vertical curves, major sight line issues, vegetation up to edge, pavement poor some just exposed rock, no sand issues very hard, but lots of pot holes, width varies between 3-7m, poor alignment with sight line issues, junction with Yorke Highway has give way and hazard board, sight lines sufficient, radii sufficient	8 - Pavement	\$1,070,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.027	Hardwicke Bay Rd	Harry Butler Rd	Kangaroo Flat Rd	3,084	P2	Intersection with Kang. Rd - Hardwicke Bay, Rd has priority, crossroad sign present. Mid-block - 8m pavement width, some trees within 3m clear zone, some trees at pavement edge. Pavement surface fair, some undulation and potholing, some grass growing within pavement at edges, a horizontal curve without delineation or curve widening and insufficient sight lines. Within segment intersection with Rogers Corner Rd - Hardwicke Bay, Rd has priority. Intersection with Harry Rd - Has Y-junction sign and hazard board, sight lines sufficient to the right due to vegetation (on curve), sufficient to the left (also an issue for right in turns by long vehicles). Radius possibly insufficient, vehicles may cross the centre line.	2 - Alignment and Signage	\$150,000
4.434	Hayes Rd	Lower White Hut Rd	Gleasons Rd	3,176	P2	Intersection with Lower White Hut Road has give way, sight lines to east insufficient due to angle and vegetation, sight lines to west insufficient due to vertical curve, radii insufficient poor angles, due to a crest the approach sight distance to the intersection is very poor, there is an advanced warning sign, 5-6m carriageway, flat and straight generally with vegetation up to the edge, trees within 3m clear zone, pavement poor condition, vertical curves further north, most with only minor sight line issues but one with major issues, has priority at Gleasons Road, junction with White Hut Road has give way and hazard board, seated throat, previously mentioned sight line issues due to horizontal curve and radii issues	6 - Sight Distance and Junction Widening	\$50,000
4.436	Hayes Rd	Wurtlie Rd	Corny Point Rd	4,726	P2	Has priority at Wurtlie Road intersection, 5m carriageway, pavement poor condition with lots of pot holes, trees within 3m clear zone, vegetation trimmed back, alignment generally straight with minor crests, major sight line issues over some crests, pavement poor condition, junction with Corny Point Road has give way, sight lines sufficient, radii insufficient	8 - Pavement	\$950,000
4.234	Hickman Rd	Old Coast Rd	St Vincent Hwy	1,965	P2	Intersection with St Vincent Highway has give way, sight line sufficient to north, insufficient to south, radii sufficient, 6.7m carriageway, straight and flat, trees within 3m clear zone, vegetation up to edge of pavement, clear zone opens up, pavement fine, junction with Old Coast Road has give way and hazard board, sight lines insufficient to north, horizontal curve very poor, sufficient to south, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.064	Hilsea Rd (Edinburgh)	Sultana Pt Rd	Sheak Beach Rd	2,004	P2	Junction with Sheak Beach Road has give way and hazard board, sight lines sufficient along Sheak Beach Road, grass trimming would improve, radii insufficient will use full width, 7.6m carriageway, straight and flat, clear zone good generally, pavement reasonable, some poor sections, grass growing on edge of pavement, intersection with Wurtlie Point Road has give ways, sight lines sufficient, radii insufficient will use full width from both sides, 5m pavement very poor quality, junction with Sultana Pt Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.105	Hundred Line Rd	Yellowoorowie Rd	4km S of Yellowoorowie Rd	4,001	P2	Has priority at Yellowoorowie Road intersection, 5.6m carriageway, vegetation encroaching, trees within 3m clear zone, pavement poor condition, straight alignment with continuous vertical curves, some have minor sight line issues.	8 - Pavement	\$805,000
4.106	Hundred Line Rd	4km S of Yellowoorowie Rd	Yorke Hwy	4,126	P2	5m carriageway, pavement poor condition, straight alignment with minor vertical, sight lines sufficient, vegetation up to edge, some trees within 3m clear zone, weeds a little to high, junction with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$830,000
4.107	Hundred Line Rd	Yorke Hwy	Coonarie Rd	3,774	P2	Has priority at Coonarie Road junction, 6.7m carriageway, straight alignment with significant vertical curves, vegetation and trees outside clear zone, pavement still corrugated with pot holes, major sight line issues over some crests, road widens in sections, junction with Yorke Highway has give way and hazard board, sight lines sufficient to west, insufficient to east due to horizontal curve and vegetation, small central island with left out slip lane which should be removed, radii insufficient for some movements will cross centreline	4 - Minor Intersection Upgrade	\$150,000
25.165	Illacombe Rd	Marion Bay Rd	Coast	1,066	P2	Intersection with Marion Bay Road has give way and sealed throat, needs hazard board, sight lines sufficient, radii insufficient will use full width, 6.7m carriageway, alignment poor, pavement poor with loose material, clear zone is good, dead end at beach	8 - Pavement	\$215,000
4.010	Johnson Rd	Graham Rd	Gillis Rd	4,759	P2	Intersection with Androsan Road and Graham Road needs improvement, both have give way for Androsan but not each other, then large central island, sight lines are sufficient, radii fine if select correct leg however insufficient if not and may lead to confusion, 7.8m unsealed carriageway, pavement condition is poor with a lot of pot holes, trees within 3m clear zone vegetation encroaching onto pavement, narrows to 6m wide in sections, pavement very poor conditions needs work, width varies 6-8m, alignment good, vegetation along full length, intersection with Gillis Road has give ways, sight lines insufficient due to vegetation, needs trimming, radii insufficient for some movements	8 - Pavement	\$955,000
4.067	Kalkabury School Rd	Holman Rd	Lamshed Rd	2,138	P2	Intersection with Lamshed Road has give ways, sight lines sufficient, radii insufficient will need full road widths, 6.7m wide carriageway, trees within 3m clear zone, pavement fine, intersection with Holman Road has give ways, large island poorly arranged and confusing, some sight lines insufficient, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
4.005	Kangaroo Flat Rd	Hardwicke Bay Rd	Wilson Rd	3,900	P2	Intersection with Wilson Rd - Y-junction with no signage - install give way, sight lines insufficient due to vegetation to pavement edge, radius insufficient, vehicle will use full width. Mid-block - Northern end - 6 to 7m pavement width, pavement surface good, lots of trees within 3m clear zone with some trees and branches at edge of pavement. Southern end - 7 to 8m width, no trees, grass growing in pavement at edges. Within segment intersection with Culline Rd - sight lines sufficient for both approaches, radius insufficient, will use full pavement width for both approaches. Intersection with Hardwicke Bay Rd - Has give way sign (adeq), sight lines sufficient, radius insufficient, full pavement width required for turns.	3 - Major Intersection Upgrade	\$250,000
4.006	Kellys Hill Rd	Yararoo Rd	Shed Rd	3,207	P2	Has priority at Shed Road intersection, 'walk the Yorke' road again, 7m unsealed carriageway, major dip with steep alignment and curves, minor sight line issues, has dip signs, steep upgrade with poor alignment crest has sight line issues, warning signs, width varies 6-8m has priority at Yararoo Road	2 - Alignment and Signage	\$150,000
3.999	Kenny Rd	Rowntree Rd	Mason Rd	3,222	P2	Has priority at Rowntree Road, 7.8m carriageway, straight alignment minor vertical, trees within 3m clear zone, pavement good condition, junction with Masons Road has give way and hazard board, five ways, sight lines down some of the legs insufficient, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
4.020	Kooraka Rd	Esplanade	St Vincent Hwy	2,495	P2	Junction with the Esplanade needs hazard board, sight lines sufficient, radii insufficient will use full width, 7m carriageway, vegetation up to edge, some trees in 3m clear zone, narrows to 5m due to vegetation growing on pavement, branches encroaching over pavement, alignment is good, pavement fine, intersection with St Vincent Highway has give way, sight lines insufficient due to horizontal curve, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.021	Kooraka Rd	St Vincent Hwy	Godsmith Beach Rd	3,809	P2	Intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient will need full width, 3m wide, vegetation up to edge, trees within 3m clear zone, width varies due to grass growing on pavement generally 4m, alignment fine, pavement good, junction with Godsmith Beach Road needs hazard board, sight lines insufficient to south due to vegetation, radii insufficient need full width	6 - Sight Distance and Junction Widening	\$50,000
4.023	Lake Fowler Rd	Godsmith Beach Rd	St Vincent Hwy	3,078	P2	Intersection with St Vincent Highway has give way, seven ways intersection, sight lines along St Vincent Highway sufficient but poor observation angles, needs to be squared up, although large horizontal curve wont make it perfect, radii insufficient for left out and right in need to be banned due to angles, other movements reasonable, cant see into other legs, 6.7m carriageway, pavement corrugated and has pot holes, straight and generally flat, clear zone good at western end then long pile of rocks on southern side within 3m clear zone, has priority at Godsmith Beach Road intersection	2 - Alignment and Signage	\$150,000
4.096	Lake Fowler Rd	Munkowurle Rd	McEacherns Beach Rd	2,586	P2	Intersection with Munkowurle Rd - Has give way sign, sight lines sufficient, limited by crests, radius insufficient, vehicle will use full pavement width. Mid-block - 7 to 8m pavement width, pavement surface fair, some undulation, weeds growing in pavement at edge, trees just outside 3m clear zone, some isolated trees within 3m, minor crests with sufficient sight lines. Some light horizontal curves with no delineation or curve widening, sight lines sufficient. Intersection with McEacherns Beach Rd - Has give way sign, sight lines insufficient, restricted by vegetation left and a crest right, radius insufficient, vehicle will use full pavement width.	6 - Sight Distance and Junction Widening	\$50,000
4.202	Lake Sunday Rd (Yorke town)	Harry Butler Rd	Boothill Station Rd	3,262	P2	Intersection with Boothill Station Rd - Lake Sunday Rd has priority. Mid-block - 7 to 8m pavement width, pavement surface ok, some potholing and corrugation at northern end. Some isolated trees within 3m clear zone and horizontal curves without delineation or curve widening but with adequate sight lines. Within segment intersections with Quensens Hwy and Moorooe Station Rd - both have give way signs (within 30m of each other) - sight distance sufficient at both, in both directions, both radii insufficient, with vehicles requiring full pavement width for both. Intersection with Harry Butler Rd (this section of Lake Sunday Rd appears to be titled as Milnlaton Rd) - Has give way sign, Y-junction will see through effect to main road. Sight lines sufficient post intersection angle due to intersection angle. Radius sufficient for left-out right in movements as straight, insufficient for left-in right out, will track off of pavement. Recommend to square up intersection on bar these turns.	3 - Major Intersection Upgrade	\$250,000
4.204	Lake View Rd (Milnlaton)	Yorke Hwy	Gum Flat Rd	965	P2	Intersection with Yorke Highway has no give way, needs one, sight lines sufficient, radii insufficient will cross centreline, 7.8m carriageway, vegetation along edge and encroaching onto pavement, trees within 3m clear zone, pavement good, vertical curve with minor sight line issues, junction with Gum Flat Road has give way, sight lines sufficient to north, insufficient to south due to horizontal curve, radii sufficient, may cross centreline for some movements	6 - Sight Distance and Junction Widening	\$50,000
4.197	Levens Rd	Corny Point Rd	Brutus Rd	1,981	P2	Intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will cross full width, 4.5m carriageway, trees within 3m clear zone and vegetation up to edge, pavement poor condition, straight alignment, intersection with Corny Point Road has give way, sight lines sufficient, radii insufficient will use full width	5 - Carriageway Widths	\$200,000
25.186	Levens Rd	Yellowoorowie Rd	White Hut Rd	3,596	P2	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will use full width, 4m carriageway, vegetation trimmed, poor alignment, pavement poor, some trees generally good, major pot holes, some sight line issues over crests, junction with Yellowoorowie Road has give way, sight lines to east insufficient due to vertical curve, insufficient to west due to vegetation, radii insufficient will use full width	8 - Pavement	\$720,000
4.128	Lizard Park Dr	Hean Rd	Thiepval Rd	2,816	P2	Intersection with Hean Road has give way, sight lines sufficient, radii insufficient will need full road width, 6.7m carriageway, straight and flat, pavement condition good, trees within 3m clear zone, vegetation up to edge, intersection with Thiepval Road has give way, sight lines sufficient to west, insufficient to east due to vegetation, needs trimming, radii insufficient needs full road width	6 - Sight Distance and Junction Widening	\$50,000
4.154	Lizard Park Dr	Thiepval Rd	Port Victoria Rd	2,085	P2	Intersection with Thiepval Road has give ways, sight lines sufficient, radii insufficient will use full width, 7m carriageway, straight and reasonably flat, trees within 3m clear zone, vegetation up to edge, pavement good quality, intersection with Port Victoria Road has give way, poor angle but drivers can square up, sight lines sufficient, radii insufficient will cross centreline, good gap to other side road at this point	6 - Sight Distance and Junction Widening	\$50,000
4.180	Lodge Rd	Standpipe Rd	Hastling Rd	4,866	P2	Intersection with Hastling Road has give way, sight lines to north insufficient due to vegetation, to south sufficient, radii insufficient will need full widths, 7m carriageway, trees and vegetation up to edges of road, pavement good quality, stobes 7m back, pavement has soft sections in sections, alignment has long horizontal curve which is fine, intersection with Standpipe Road has give way, sight lines insufficient due to vegetation, radii insufficient will need full road width	6 - Sight Distance and Junction Widening	\$50,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,139	Lovendige Rd	Upper Yorke Rd	Williamson Rd	2,845	P2	Junction with Upper Yorke Road has give way, angle poor, sight lines sufficient, has minor central island due to poor angle, radii insufficient for some movements, needs to be squared up, 8m carriageway, some grass on edges narrow slightly, straight and fat, trees within 3m clear zone, pavement good, has priority at Williamson Road	4 - Minor Intersection Upgrade	\$150,000
4,211	Lovers Ln	Port Vincent Rd	Yorke Hwy	3,150	P2	Intersection with Lovers Lane has give ways, sight lines sufficient, radii insufficient will use full width, 6m carriageway, pavement very poor with major pot holes and soft sections, vegetation up to edge, trees within 3m clear zone, straight alignment with minor vertical only, intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient due to angle, radii insufficient for left out and right in due to angles, need to square up	8 - Pavement	\$635,000
25,178	Lower White Hut Rd	Marion Bay Rd	3.7km E of Marion Bay Rd	3,705	P2	5-7m carriageway generally 6-7m but grass growing on edges of pavement, vegetation up to edge and encroaching in sections, light horizontal curves with major sight line issues, lots of pot holes in pavement, poor alignment with lots of sight line issues, pavement very poor, narrows to 5m, junction with Marion Bay Road has give way and hazard board, sight line sufficient, radii insufficient will use full width	8 - Pavement	\$745,000
25,180	Lower White Hut Rd	7.4km E of Marion Bay Rd	Hayes Rd	3,844	P2	Has priority at Hayes Road intersection, 6-7m carriageway, pavement poor with pot holes and loose material, clear zone generally good with vegetation back, light alignment, narrows to 5m in sections, some major sight line issues around curves which are narrow	8 - Pavement	\$770,000
4,135	Mary St (Price)	Moorara Rd	Ulonga Rd	686	P2	Just horizontal curve at Moorara Road, 5m wide, pavement poor, fat and straight, trees within the clear zone, junction with Ulonga Road needs hazard board, sight lines sufficient, radii insufficient some moves not possible	8 - Pavement	\$140,000
4,146	Mason Rd	Kenny Rd	Pioneer Rd	2,850	P2	Has priority at Pioneer Road, 8m carriageway, plat and straight, trees within 3m clear zone, pavement average but fine, pavement worse as segment goes west, more pot holes and uneven, has priority at intersection with Kenny Road, poorly set up however	8 - Pavement	\$670,000
4,138	Mathews Rd	James Well Rd	Redding Rd	3,540	P2	Intersection with Redding Road has give way, sight lines to west insufficient due to vertical curve, sufficient to east, radii insufficient will cross centreline, 7m carriageway, pavement good condition, straight alignment, trees within 3m clear zone, edge of pavement not straight due to drains being out into road, vertical curve sight lines fine, intersection with James Well Road has give way, sight lines sufficient, light to east due to vegetation, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,130	McCauley Rd	Spencer Hwy	Rifle Range Rd	2,893	P2	Junction with Spencer Highway has hazard board, sight lines insufficient to south very poor, to north just sufficient, radii insufficient for some movements, pavement poor at junction where water has run off from Spencer Highway, 6m carriageway, trees within 3m clear zone, pavement has lots of pot holes poor condition, tall grass up to edge, alignment fine, has priority at Rifle Range Road	8 - Pavement	\$580,000
4,142	McCauley Rd	Broster Rd	Clinton Rd	3,544	P2	Intersection with Broster Road has give ways, sight lines sufficient, radii insufficient for some movements will cross centre of road, 7m carriageway, trees within 3m clear zone, pavement good quality, narrows to 6m with steep 30cm high cuttings on each side from grading, pavement not as good quality here, branches encroaching, intersection with Clinton Road has give ways, six ways intersection which is poor, sight lines insufficient, radii insufficient for some movements, major drainage issues with large pools of water	2 - Alignment and Signage	\$150,000
4,144	McConkey Rd	Rickaby Rd	Barkers Rocks Rd	3,201	P2	Junction with Rickaby Road has give way, sight lines sufficient, poor angle and poor observation angle, should be squared up, radii insufficient for left in due to angle, others acceptable, 7-8m carriageway, trees generally outside 3m clear zone, vegetation up to edge in sections, pavement fine, light horizontal curve but sight lines acceptable, intersection with Barkers Rocks Road has give way, sight lines insufficient to west due to vegetation, sufficient to east, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,212	McConkey Rd	Barkers Rocks Rd	Koolyurte Church Rd	3,399	P2	Intersection with Barkers Rocks Road has give way, sight lines sufficient to east, insufficient to west due to vegetation, radii insufficient will use full width, 7m carriageway, pavement average, vegetation up to edge of pavement, some trees within 3m clear zone, straight alignment, junction with Koolyurte Church Road needs hazard board, has junction warning sign, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,192	Miller Rd	Port Victoria Rd	Saint Rd	3,495	P2	Intersection with Port Victoria Road has give way opposite end of road, has to give way to Chinamans Well Road first, sight lines sufficient, radii insufficient, the junction with Port Victoria Road has give way, poor angle, sight lines to south insufficient, sufficient to north, radii insufficient will cross centreline, 7m carriageway, straight and fat, vegetation up to edge, trees in clear zone in sections, pavement good condition, intersection with Saint Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,194	Miller Rd	Greenlade Rd	Balgown Rd	3,878	P2	Intersection with Greenlade Road has give way, sight lines insufficient due to vegetation and horizontal curve, radii insufficient will cross centreline, dry weather road, pavement poor, 5-6m carriageway, straight alignment with long upgrade, clear zone generally good with isolated trees only, intersection with Balgown Road has give way, sight lines to west insufficient due to vegetation, sufficient to east, radii insufficient will use full width	8 - Pavement	\$780,000
4,178	Mine Hill Rd	North South Rd	Gillis Rd	3,520	P2	Intersection with Gillis Road has give ways, sight lines insufficient to south due to vegetation needs trimming, good to north, radii insufficient for some movements, 5-6m carriageway, trees within 3m clear zone on both sides, tall grass up to edge, pavement is poor soft and damaged in sections, alignment has minor horizontal curves and minor crest sight lines light, pavement soft with only a small amount of rain, some horizontal curves with minor sight line issues, intersection with North South Road has give way, sight lines insufficient due to vegetation, radii insufficient for some movements	8 - Pavement	\$705,000
4,248	Miniacowie Rd	Treasure Rd	Beegodye Wells Rd	3,352	P2	Junction with Beegodye Well Road has hazard board, sight lines insufficient due to vegetation and horizontal curve, radii insufficient will cross centreline, straight alignment with minor crests, sight lines generally fine, pavement good, some trees within 3m clear zone, some vegetation up to edge, has priority at intersection with Treasure Road	6 - Sight Distance and Junction Widening	\$50,000
4,240	Moorara Rd (Wood Bay)	Coringie Rd	Hayward Park Rd	991	P2	Junction with Coringie Road needs hazard board, sight lines sufficient, can be improved with vegetation trimming, poor angle, can be squared up, radii insufficient for some movements due to angle, 4m carriageway, clear zone generally good, stobies outside 3m, junction with Hayward Park Road needs hazard board, sight lines sufficient, radii insufficient will need full road width to complete, hard to see in	5 - Carriageway Widths	\$100,000
4,152	Mount Terrible Rd	Cockle Beech Rd	Miniacowie Rd	3,157	P2	Intersection with Miniacowie Road has give way, sight lines sufficient, radii insufficient will need full road width, crest just before junction, approach sight distance to intersection very poor has advanced give way warning sign, 8m carriageway, several horizontal curves with light alignment and minor sight line issues, road straightens up, vegetation up to edge in sections, some trees in 3m clear zone, pavement reasonable condition, another horizontal curve with warning signs very tight major sight line issues, crest, intersection with Cockle Beech Road has give way, sight lines sufficient, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4,216	Mumford Rd (Kakabury Ward)	Kinnane Rd	Wauratee Rd	1,948	P2	Intersection with Wauratee Road has give way, sight lines to north insufficient due to horizontal curve and vegetation, sufficient to south, radii insufficient will cross full width, 6m carriageway, some vegetation growing on pavement edges, clear zone good, fat and straight, has priority with Kinnane Road intersection	6 - Sight Distance and Junction Widening	\$50,000
4,155	Munkiwurte Rd	Lake Fowler Rd	New Honiton Rd	2,615	P2	Intersection with Lake Fowler Rd - Munkiwurte Rd has priority, has crossroad warning sign Mid-block, 7 to 8m pavement width, pavement surface fair, some very minor potholes and corrugation. Some crests and minor horizontal curves with sufficient sight lines, some trees within 3m clear zone. Intersection with New Honiton Rd - Has give way sign, Sight lines insufficient to the right due to vegetation (tim), radius insufficient, vehicle will track over the centreline.	6 - Sight Distance and Junction Widening	\$50,000
25,199	Murdock Rd	Sturt Bay Rd	Little Sheak Rd	3,663	P2	Junction with Sturt Bay Road has give way and hazard board, sight lines to north sufficient, to south insufficient due to vertical curve, radii insufficient will use full width, 6m carriageway, vegetation along both sides, pavement very sandy and soft, straight alignment with vertical curves, minor sight line issues, width varies, pavement very poor condition	8 - Pavement	\$735,000
25,203	Murdock Rd	Little Sheak Rd	Wild Dog Hill Rd	3,515	P2	Has priority at Little Sheak Road junction, 6-7m carriageway, pavement very poor condition, lots of sand on pavement, vegetation up to edge and branches encroaching onto pavement, some trees within 3m clear zone, straight alignment with large vertical curves and minor sight line issues over curves, pavement very poor width narrows slightly, junction with Wild Dog Hill Road has give way, needs hazard board, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$705,000
4,899	Neiligan Rd	Mumford Rd	Wauratee Rd	3,720	P2	Junction with Black Bobs Road has give way, sight lines insufficient due to vegetation to east, priority confusing with other legs, radii insufficient for some movements due to angles, 7-8m carriageway, trees within 3m clear zone, vegetation up to edge, pavement good condition, horizontal curves with minor sight line issues, trees within 3m clear zone, pavement poor in patches, intersection with Mumford Road has give way, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will need full width for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
4,907	Neiligan Rd	Spencer Hwy	Mumford Rd	5,914	P2	Intersection with Mumford Road has give way, sight lines sufficient, vegetation trimming would improve, radii insufficient will need full width, 7m carriageway, pavement minor corrugations, some trees in clear zone them improves, poor alignment with horizontal and vertical curves which have sight line issues, widths generally enough to stay on correct side of rd, 6-7m carriageway, intersection with Spencer Highway has give way however confusing with Urania Road leg as to who has priority as both meet here, sight lines sufficient but observation angle very poor, also another leg on western side of Spencer Highway, radii insufficient right out and left in movements need to be banned due to angle	6 - Sight Distance and Junction Widening	\$50,000
4,914	Newbold Rd	Wauratee Rd	Gun Club Rd	3,237	P2	Has priority at Gun Club Road intersection, 7-8m carriageway, straight and fat, vegetation up to edge of pavement, pavement condition is good, even wider than 8m in sections, intersection with Wauratee Road has give way, sight lines sufficient, sealed throat, left slip leg which is not ideal, radii insufficient due to central island for some movements	4 - Minor Intersection Upgrade	\$150,000
4,844	North South Rd	Black Bobs Rd	Anderson Rd	3,186	P2	Intersection with Anderson Road has give way, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, straight alignment with large vertical curve sight lines sufficient, vegetation up to edge, some trees in 3m clear zone, pavement good with minor corrugations, intersection with Black Bobs Road has give way, sight lines insufficient both directions due to vegetation, needs trimming, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,918	North South Rd	Back Rd	Hastings Rd	2,968	P2	Has priority at Hastings Road, 7-8m carriageway, good road just poor intersections, trees within 3m clear zone and vegetation up to edge, pavement good condition, straight alignment with minor vertical, intersection with Back Road has give way, sight lines to west insufficient, and east insufficient due to vegetation, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,919	North South Rd	Hastings Rd	Pine Point Rd	2,838	P2	Intersection with Pine Point Road has give way, sight lines insufficient due to horizontal curve and vegetation, poor observation angle due to road angles need to be squared up, radii insufficient for some movements due to angles, 6-7m carriageway, straight and generally fat alignment, pavement graded minor pot holes, trees within 3m clear zone, branches encroaching onto pavement needs to be trimmed back, has priority at Hastings Road	6 - Sight Distance and Junction Widening	\$50,000
4,920	North South Rd	Pine Point Rd	Sandy Church Rd	3,389	P2	Intersection with Sandy Church Road give way sign has been knocked over, sight lines sufficient, radii insufficient will use full width, 7m carriageway, width varies, straight alignment with minor vertical curves, trees within 3m clear zone, pavement good condition some pot holes, intersection with Pine Point Road is six ways, priority with Yarnin Road is unclear, both have give ways, sight lines along Pine Point Road sufficient, radii insufficient for some movements due to the angles	2 - Alignment and Signage	\$150,000
4,921	North South Rd	Sandy Church Rd	McFarlane Rd	4,306	P2	Intersection with McFarlane Road has give way, sight lines sufficient, grass trimming would improve, radii insufficient will use full width, 7m carriageway, pavement good condition, trees within 3m clear zone, straight alignment with minor vertical, some pot holes, intersection with Sandy Church Road has give way, sight lines to west insufficient due to vegetation, sufficient to east, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000

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Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
5.157	North Tee (Maitland)	Spencer Hwy	Upper Yorke Rd	1,011	P2	Intersection with Upper Yorke Road has give ways, sight lines sufficient, radii insufficient will use full width, 6m carriageway, clear zone good, flat and straight to Pioneer Road intersection, sight lines sufficient, radii insufficient will use full width, dry weather road, 5-6m carriageway, straight and flat, pavement very poor condition, some major rutting and drainage issues, intersection with Spencer highway has give way, poor angle, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.839	Oaklands Rd	Rocky Waterhole Rd	Weavers Rd	2,178	P2	Has priority at Rocky Waterhole Road, 5-6m carriageway, straight alignment, pavement fine, trees within 3m clear zone, vegetation up to edge of pavement, flat, intersection with Weavers Road has give way, sight lines insufficient to east due to vegetation and angle, sufficient to west, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.836	Old Boundary Rd	Schwartz Rd	Nalyappa Rd	1,598	P2	Intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient will cross centreline, 8m carriageway, alignment fine, pavement good, clear zone good, junction with Schwartz Road is basically just a 90 degree curve, minor sight lines issues will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.879	Old Boundary Rd	Androssan Rd	Thomas Rd	1,445	P2	Intersection with Thomas Road has give way, sight lines sufficient, radii insufficient will cross full width, 7m carriageway, vegetation up to edge, trees within 3m clear zone, pavement rough, straight alignment with minor vertical, major pot holes including at intersection, intersection with Androssan Road has give way, sight lines sufficient to north, insufficient to south due to horizontal curve, radii insufficient for left out due to angles, other radii good,	8 - Pavement	\$290,000
4.880	Old Boundary Rd	Thomas Rd	Graham Rd	4,778	P2	Has priority at Graham Road, 6-7m carriageway, trees up to edge, straight alignment with long vertical curves, pavement has no shape, evidence of water running down road and causing damage and rutting to pavement, minor sight line issues over crests, pavement poor in sections with pot holes and very rough, intersection with Thomas Road has give way, sight lines insufficient due to vegetation, radii insufficient will need full width	8 - Pavement	\$960,000
4.882	Old Pump Rd	Maitland Rd	Androssan Rd	3,071	P2	Intersection with Maitland Road has give way, sight lines insufficient to west, sufficient to east, radii insufficient and some movements not possible as very narrow, pavement varies between 5m and 8m wide, pavement poor condition in sections, some trees in 3m clear zone, branches encroaching, straight but lots of vertical curves with some sight line issues, 1m high embankment on eastern side of road, some major rutting at northern end, 5m wide, steep down slope to Androssan Road junction, has give way but no hazard board, sight lines sufficient, radii insufficient will need full width	8 - Pavement	\$615,000
4.885	Old Saltworks Rd	Gum Tree Rd	Tuckokowie Rd	2,278	P2	Junction with Tuckokowie Road has hazard board, sight lines to north insufficient due to vertical curve, sufficient to south, radii insufficient will use full width, 6-7m carriageway, some grass growing on pavement, vegetation encroaching on pavement, some trees within 3m clear zone, pavement good condition, some isolated pot holes, light alignment with horizontal curves, sight lines sufficient, has priority at Gum Tree Road junction	6 - Sight Distance and Junction Widening	\$50,000
4.854	Olive Tree Rd	Savage Hut Rd	Weavers Rd	876	P2	(Photo) Intersection with Savage Hut Rd - Oliver Tree Rd has priority, has crossroad warning signage, Mid-block - 6 to 7m wide pavement, pavement surface good, some trees within 3m clear zone, intersection with Weavers Rd - Y-intersection, has give way sign, sight lines sufficient, poor observation angle due to intersection geometry, Radius insufficient, left-in turn will track off the pavement, consider squaring intersection.	3 - Major Intersection Upgrade	\$250,000
4.886	Olive Tree Rd	Stansbury Rd	Oaklands Rd	2,643	P2	(Photo) Intersection with Oaklands Rd - Has give way sign, Sight lines right sufficient, to left is restricted by vegetation and stobie. Suggest trimming vegetation. Radius insufficient, vehicle will require pavement width for turns. Mid block - 6m pavement width, pavement surface good, some trees within 3m clear zone, more towards the eastern end, some grass growing through edges of pavement. Intersection with Stansbury Rd - Has give way sign, intersecting angle not square, suggest squaring up, 5-leg intersection. Sight distance sufficient to the right, slightly limited to the left due to vegetation, poor observation angle due to intersection geometry. Radius insufficient and left turn in likely to track off of pavement.	7 - Major Intersection Widening	\$100,000
4.928	Orie Cowie Rd	Little Sheak Rd	Yorke Hwy	4,817	P2	Junction with Yorke highway has give way and hazard board, sight lines sufficient, sealed throat, radii insufficient likely to cross centreline on Orie Cowie Road, 6-7m carriageway, pavement in good condition, clear zone good except for pile of rubble, horizontal curves sight lines are reasonable, narrows to 6m, some stobies in 3m clear zone, intersection with Little Sheak Road is six ways, has give way, priority unclear, sight lines insufficient to south due to angles, radii insufficient due to angles	2 - Alignment and Signage	\$150,000
5.031	Orie Cowie Rd	White Hut Rd	Corny Point Rd	1,826	P2	Intersection with Corny Point Road has no give way, needs one, five ways intersection, priority confusing with Cart Road, sight lines sufficient, radii insufficient some movements will cross centreline, 7m carriageway, straight with minor vertical curve, clear zone good except for pile of rubble on eastern side of road, pavement good, sight horizontal curve but good sight lines, junction with White Hut Road has give way and hazard board, sight lines insufficient to east due to vertical curve, sufficient to west, radii insufficient will cross centreline	2 - Alignment and Signage	\$150,000
4.915	Pedler Rd	Nankivell Rd	Cutline Rd	3,330	P2	Has priority at Cutline Road, 6m carriageway, trees within 3m clear zone up to edge with some bushes to, pavement good quality, uphill gradient, straight alignment, pavement generally good some loose material on surface, intersection with Nankivell Road has give way, sight lines insufficient due to vegetation, needs removal, radii insufficient for some movements, will need full width	6 - Sight Distance and Junction Widening	\$50,000
5.037	Pedler Rd	Arthunton Rd	Sanderoock Rd	1,372	P2	Intersection with Sanderoock Road has give way, sight lines sufficient, radii insufficient needs to use full width, 7m carriageway, trees within 3m clear zone, pavement good, mostly fragile vegetation in clear zone, big see through issues with Arthunton Rd intersection consider additional signage, intersection has give way, poor angle, sight lines insufficient to south, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
25.201	Pedler Rd	Agerly Rd	Coolie Rd	3,034	P2	Has priority at Coolie Road, 4m wide with grass down middle, grass growing on edges of pavement, trees within 3m clear zone however most outside this, some bushes on edge, pavement poor in sections, drainage issues, last few hundred meters road widens, intersection with Agerly Road has give ways, sight lines sufficient, can be better with grass and vegetation trimming, radii insufficient, will need to use full width also has culvert blocking y	8 - Pavement	\$610,000
4.815	Pentonvale Rd	Harry Butler Rd	Rabbit Corner Rd	1,266	P2	Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, some limiting by vegetation. Radius insufficient, vehicle will use full pavement width. Mid-block - Pavement width 7 to 8m. Pavement surface good. Trees within 3m clear zone, some at edge of pavement and some branches into road width. Some grass growing in pavement at edge. Intersection with Harry Butler Rd - Has Give way sign (dedd) - see-through risk due to intersection configuration onto main road (consider new give way sign / advance give way sign). Acute angle (Y-intersection), sight lines insufficient to the left due to crest and horizontal curve (to right is sufficient). Radius insufficient for left-out / right in - too sharp, vehicle will track off pavement, left-out, right-in movements are straight. Consider squaring up through crest to improve both sight and access issues.	3 - Major Intersection Upgrade	\$250,000
4.872	Piggery Corner Rd	James Well Rd	Pine Point Rd	3,651	P2	Intersection with Yorke highway has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, pavement good, vegetation up to edge, some trees within 3m clear zone, widens to 8m, pavement good, horizontal curve with minor sight line issues due to vegetation, intersection with Pine Point Road has give ways, six ways intersection with insufficient sight lines along some legs due to angles and vegetation, radii insufficient for some movements due to angles	2 - Alignment and Signage	\$150,000
5.039	Piggery Corner Rd	Pine Point Rd	McFarlane Rd	4,150	P2	Intersection with Pine Point Road has give way, six ways, sight lines insufficient along some legs due to angles, radii insufficient for some movements due to angles, 8m plus carriageway, vegetation up to edge, trees within 3m clear zone, stobies 6m back, pavement generally good but some sections are poor, has priority at McFarlane Road	2 - Alignment and Signage	\$150,000
5.040	Piggery Corner Rd	McFarlane Rd	Black Bobs Rd	3,828	P2	Has priority at McFarlane Road, 6-7m carriageway, trees within 3m clear zone, long upgrade, pavement has drainage issues resulting in large pot holes, water running down road, needs to be reshaped, 7.8m carriageway, alignment good, stobies 6-7m back, intersection with Black Bobs Road has give ways, sight lines insufficient due to vegetation and road alignment, radii insufficient will need full width	8 - Pavement	\$770,000
4.948	Pioneer Rd	Mason Rd	Dowlingville Slant Rd	3,224	P2	Intersection with Dowlingville Slant Road has give way, sight lines insufficient due to vegetation and angles, radii insufficient for some moves due to angles, 6-7m unsealed carriageway, pavement good quality, trees within 3m clear zone, up to edge and branches encroaching on pavement, vegetation needs to be trimmed back in section, intersection with Mason Road has give way, sight lines sufficient, vegetation needs some trimming, radii insufficient but can use full width	6 - Sight Distance and Junction Widening	\$50,000
4.956	Point Souttar Rd	Brutus Rd	North Coast Rd	1,606	P2	Intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, some trees within 3m clear zone, pavement badly corrugated, widens to 7m, clear zone good generally, junction with North Coast Road is just a 90 degree horizontal curve, no widening vehicles will cross centreline and minor sight lines issues	8 - Pavement	\$325,000
25.208	Point Souttar Rd	Yorke Hwy	Yellowoorowie Rd	4,181	P2	Intersection with Yorke highway has give way, sight lines to east are insufficient due to horizontal curve, sufficient to west, small central island and left slip, radii insufficient for some movements, needs island removed, 6m carriageway, straight alignment with minor vertical curves, 3m clear zone good with vegetation trimmed back, pavement poor in sections, longer vertical curve, some minor sight line issues, width out to 7m in sections, pavement poor, intersection with Yellowoorowie Road has give way, six ways intersection, sight lines along main road insufficient due to vegetation, radii insufficient for some legs	4 - Minor Intersection Upgrade	\$150,000
25.209	Point Souttar Rd	Yellowoorowie Rd	White Hut Rd	3,600	P2	Intersection with Yellowoorowie Road has give way, sight lines insufficient along main road with major issues due to angles and vegetation, radii insufficient due to angles, 5m carriageway, narrows to 4m, vegetation trimmed back, pavement average, straight with vertical curves, intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will need full width and very tight	5 - Carriageway Widths	\$360,000
25.211	Point Souttar Rd	Wurlie Rd	Corny Point Rd	2,454	P2	Has priority at Wurlie Road, 5-6m carriageway, pavement poor, some trees within 3m clear zone, straight alignment with minor vertical curves, sight lines good, intersection with Corny Point Road has give way, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$495,000
25.212	Point Souttar Rd	Corny Point Rd	Brutus Rd	4,002	P2	Intersection with Corny Point Road has give way, sight lines sufficient, radii insufficient, will use full width, 6m carriageway, pavement poor in patches, trees within 3m clear zone, straight alignment with minor vertical curve, minor sight line issues, width varies, intersection with Brutus Road has give way, sight lines sufficient, radii insufficient, will use full width	6 - Sight Distance and Junction Widening	\$50,000
5.018	Polkinghorne Rd	Old Boundary Rd	Willing Rd	2,552	P2	Intersection with Willing Road has insufficient sight lines to east due to horizontal curve, west just sufficient, radii insufficient will cross centre of road, 7m carriageway, pavement condition poor in sections with major pot holes and large soft spots with drainage issues and damage, straight alignment minor vertical, some trees within 3m clear zone, has priority at Old Boundary Road	8 - Pavement	\$515,000
5.028	Polkinghorne Rd	Willing Rd	Honner Rd	1,992	P2	Intersection with Honner Road has give ways, sight lines sufficient, radii insufficient, will need to cross centre of road, light alignment on approach to intersection has advanced warning sign, trees within 3m clear zone, 7m carriageway, pavement good quality, straight alignment minor vertical but sight lines sufficient, intersection with Willing Road has give ways, sight lines sufficient to east due to vegetation and horizontal curve, sufficient to west, radii insufficient will cross centre of road,	7 - Major Intersection Widening	\$100,000
5.057	Postawana Rd	Bridge Rd	Melton South Rd	3,099	P2	Intersection with Bridge Road has give way, sight lines sufficient, radii insufficient will need full width, 5-6m unsealed, trees within 3m clear zone, some minor horizontal curves on down grade, then road straightens out, pavement good, intersection with Melton South Road has insufficient sight lines due to trees and angles of road, radii insufficient will need to use full width	6 - Sight Distance and Junction Widening	\$50,000

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Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.218	Pootawana Rd	Upper Yorke Rd	Kainton Rd	1,353	P2	Junction with Upper Yorke Road has give way, poor angle, sight lines to south good, to north insufficient due to angles and vegetation, high angle, radii insufficient for some movements, straight alignment, minor vertical, 5m usable width, graded to 6m but grass growing on pavement, trees on both sides within 3m clear zone, has give way at Kainton Road intersection, sight lines to west insufficient due to curve in road, to right poor due to tall grass, radii insufficient will need full road width	6 - Sight Distance and Junction Widening	\$50,000
25.220	Pootawana Rd	Reservoir Rd	Bridge Rd	1,797	P2	Intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient, turning movements not possible as roads too narrow, 5.6m unsealed carriageway, pavement generally good but minor drainage issues, isolated trees within 3m clear zone, intersection with Bridge Road has give way, sight lines insufficient due to tall grass and trees, radii insufficient will need full road width	6 - Sight Distance and Junction Widening	\$50,000
5.059	Porty Rd	Yorke Hwy	Gregor Rd	1,024	P2	Intersection with Yorke Highway has give way, sight lines sufficient but poor angle, radii insufficient due to angles left out and right in banned other movements can be completed, 7m carriageway, flat and straight, pavement good but has some pot holes, some trees within 3m clear zone, intersection with Gregor Road has give ways which seems incorrect, priority should be changed, sight lines insufficient to west, no road to east, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
5.060	Porty Rd	Gregor Rd	Boundary Rd	2,098	P2	Intersection with Gregor Road has give way, priority should be changed, sight lines insufficient to west, no road to east, radii insufficient, need full width, 6.7m carriageway, pavement good but some large pot holes, trees within 3m clear zone, vegetation and branches encroaching onto pavement, alignment flat and straight essentially, intersection with Boundary Road has give way, sight lines insufficient to east due to grass and angle, sufficient to west, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.857	Rabbit Corner Rd	Harry Butler Rd	Pentonvale Rd	1,101	P2	Intersection with Harry Butler Rd - Has give way sign, sight lines insufficient with crests in both directions and observation angle poor due to intersection angle, some uncertainty of priority with intersecting minor roads prior to major road, radius insufficient, vehicles using full width of pavement. Mid-block - 8m pavement width, pavement surface good, trees within 3m clear zone and branches to edge of pavement. Intersection with Pentonvale Rd - Rabbit Corner Rd has priority, crossroad warning sign present.	6 - Sight Distance and Junction Widening	\$50,000
5.027	Rabbit Corner Rd	Brentwood Rd	Bubbacow Rd	981	P2	Intersection with Brentwood Rd - Has give way sign, Sight lines insufficient, restricted to the right due to vegetation. Radius insufficient, vehicles will use full pavement width. Mid-block - 7 to 8m pavement width, pavement surface good, some grass growing in pavement edges, trees within 3m clear zone, some trees at edge of pavement. Intersection with Bubbacow Rd - Has give way sign, very sharp intersection angle, suggest squaring up. Sight lines sufficient, poor observation angle due to intersection geometry. Radius insufficient, left in turn will track off of pavement due to tight angle.	7 - Major Intersection Widening	\$100,000
4.753	Recluse Rd	Troubridge Hill Rd	Goldsmith Beach Rd	3,028	P2	Intersection with Goldsmith Beach Road has give way, sight lines to north insufficient due to vegetation, sufficient to south, radii insufficient will use full width, 6m carriageway, vegetation encroaching onto pavement, some trees within 3m clear zone, straight alignment minor vertical, 5m in sections, intersection with Troubridge Hill Road has give way, sight lines insufficient to east due to angle and vegetation, sufficient to south, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.616	Redding Rd (East)	Yorke Hwy	Mathews Rd	4,654	P2	Intersection with Yorke Highway has give way, sight lines insufficient due to vertical curve and vegetation, has slip legs which should be removed, radii insufficient for some movements, 7m carriageway, straight alignment with some vertical curves, sight lines reasonable, trees within 3m clear zone, pavement good condition, one crest has minor sight line issues, intersection with Mathews Road has give way, sight lines insufficient to west due to vertical curve, sufficient to east, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.630	Rifle Range Rd	North Tee	Balgowan Rd	2,771	P2	Has priority at Balgowan Road intersection, 4m typically but width varies, pavement poor condition, clear zone is good, straight alignment with only minor vertical, has priority at North Terrace	8 - Pavement	\$555,000
4.966	Rockleigh Rd	West Beach Rd	Point Annie Rd	3,713	P2	Junction with West Beach Road (Corry Point Road?) has give way, five ways intersection, sight lines insufficient, radii insufficient for some movements, 5.6m carriageway, trees within 3m clear zone, pavement average, horizontal curves, some major sight line issues, typically 5m carriageway, pavement good, crest with poor approach sight distance to intersection, needs advanced warning sign, intersection with Point Annie Road has give way, sight lines sufficient to east, insufficient to west due to vertical curve and vegetation, radii insufficient will need full width	2 - Alignment and Signage	\$150,000
4.976	Rockleigh Rd	Point Annie Rd	Wurle Rd	2,231	P2	Intersection with Point Annie Road has give way, sight lines to west insufficient due to curve, sufficient to east, radii insufficient will use full width, 5.6m carriageway, poor alignment with horizontal and vertical curves minor sight line issues, pavement fine, clear zone generally good, some vegetation up to edge, intersection with Wurle Road has give way, sight lines insufficient to east due to vertical curve, insufficient to west due to vegetation, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
5.011	Rocky Bend Rd	Bagshaw Rd	Ferguson Rd	1,371	P2	Intersection with Bagshaw Road has give way, sight lines sufficient, radii insufficient will use full width, 7.5m carriageway width, narrows to 5m through cutting over crest, pavement very rough, vegetation encroaching onto pavement, tight horizontal curve, intersection with Ferguson Road has give way, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$275,000
5.067	Rocky Waterhole Rd	St Vincent Hwy	Oaklands Rd	3,690	P2	Junction with St Vincent Highway has hazard board, sight lines sufficient, radii insufficient will cross centreline, has minor slip line leg with large central island with trees on it, needs to be removed, 6.7m carriageway, grass growing on edge of pavement, trees within 3m clear zone, abutment outside 3m clear zone, some vegetation up to edge, straight alignment with minor vertical, narrows to 6m in sections, branches encroaching well onto pavement, pavement poor in sections, intersection with Oaklands Road has give ways, sight lines insufficient to south due to vegetation, sufficient to north just, radii insufficient will use full width	4 - Minor Intersection Upgrade	\$150,000
5.068	Rocky Waterhole Rd	Oaklands Rd	Coringie Rd	1,471	P2	Intersection with Oaklands Road has give ways, sight lines sufficient, radii insufficient will use full width, 7.6m carriageway, clear zone good, pavement fine, sight horizontal curve but sight lines sufficient, junction with Coringie Road has give way, sight lines insufficient to north, sufficient to south but poor observation angle, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
5.081	Rogers Rd	Croser Rd	Yacca Rd	4,345	P2	Has priority at Croser Road junction, 6.7m carriageway, grass growing on edge of pavement, trees within 3m clear zone, branches and vegetation encroaching onto pavement, pavement reasonable, two crests and a horizontal curve with minor sight line issues, vegetation really encroaching onto pavement, intersection with Yacca Road has give ways, major sight line issues due to road alignment, radii insufficient.	6 - Sight Distance and Junction Widening	\$50,000
5.074	Rose Rd	Honner Rd	Willing Rd	4,233	P2	Intersection with Honner Road has give way, sight lines are sufficient, radii insufficient will use full road width, 8m carriageway, trees within 3m clear zone, pavement good quality, has lots of pot holes and minor soft spots, some tight horizontal curves with minor sight line issues, crest with sight line issues, tight alignment, narrow and creek crossing before intersection with Willing Road, sight lines sufficient, radii insufficient some moves not possible as too tight	6 - Sight Distance and Junction Widening	\$50,000
5.147	Sandilands Rd	Pine Point Rd	South Tee	220	P2	Junction with South Terrace is 90 degree bend, major sight line issues and insufficient width so trucks will cross centreline, 7m carriageway, trees within 3m clear zone, intersection with Pine Point Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.986	Savage Hut Rd	Depot Shed Rd	Green Flat Rd	571	P2	(Photo) Intersection with Depot Shed Rd - Acute intersection angle, sight lines sufficient, observation angle poor due to intersection geometry, radius insufficient, some movements will track off the pavement. Mid-block - 6m pavement width with grasses encroaching in 1m on either side within pavement, trees within the 3m clear zone. Intersection with Green Flat Rd - Has give way sign, sight lines insufficient (both) due to vegetation, radius insufficient, vehicles will use full pavement width.	7 - Major Intersection Widening	\$100,000
5.009	Savage Hut Rd	Olive Tree Rd	Depot Shed Rd	2,644	P2	(Photo) Intersection with Olive Tree Rd - Has give way sign. Sight lines insufficient due to vegetation (left and right) radius insufficient, left out turn will track off the pavement. Mid-Block - Pavement width 4 to 5m, pavement surface poor - exposed rock and potholes, grass growing at pavement edges, some trees within 3m clear zone and horizontal curves with insufficient sight lines. Pavement damage at low point adjacent floodplain. Intersection with Depot Shed Rd - Acute intersection angle, sight lines sufficient, observation angle poor due to intersection geometry, radius insufficient, some movements will track off the pavement.	8 - Pavement	\$530,000
5.056	Savage Hut Rd	Culline Rd	Stockers Lake Rd	2,338	P2	Intersection with Culline Rd - Has give way sign (faded), sight lines insufficient (both) due to vegetation up to edge of pavement, radius insufficient, vehicle will use full pavement width. Mid-block - 7 to 8m pavement width, pavement surface good, reasonable amount of weeds growing in pavement near edges and in, limiting effective width to 6m, trees within 3m clear zone with branches encroaching into the road width, some trees at edge of pavement. Intersection with Stockers Lake Rd - Not present, road closed off for some time (through horizontal curve)	7 - Major Intersection Widening	\$100,000
5.071	Savage Hut Rd	Brentwood Rd	Weavers Rd	2,920	P2	Intersection with Weavers Rd - Give way sign present (but after crest, poor approach sight distance), 5 leg intersection, confusing priority between 2 minor legs prior to main leg, sight lines insufficient to the left due to vegetation, radius insufficient, particularly without, right in due to intersection angle. Mid-block - 7 to 8m pavement width, pavement surface good, lots of trees within 3m clear zone. Some horizontal curves, sight lines through curves sufficient. Some loss of pavement fines at low points where water may pond. Intersection with Brentwood - Has give way sign, sight lines sufficient to the left, limited somewhat to the right due to vegetation and horizontal curve. Radius insufficient, vehicle will use full pavement width.	7 - Major Intersection Widening	\$100,000
5.003	Sawley Rd	Upper Yorke Rd	Harmer Rd	907	P2	Has priority at Harmer Road, 7.8m carriageway, trees within 3m clear zone, pavement becomes very wide, good quality pavement, intersection with Upper Yorke Road has give ways, has small islands and another side road, poor angles, need to remove islands and formalise, sight lines sufficient on main leg, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
4.632	Schwartz Rd	2.1km N of T Junction Unhraned Rd	Old Boundary Rd	1,606	P2	Junction with Old Boundary Road is 90 degree curve, has hazard board, minor sight line issues due to vegetation, will cross centreline, 7m carriageway, pavement cut down, very corrugated, some trees within clear zone, end of segment tight horizontal curve sight lines sufficient but no widening will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.533	Secker Rd (Curramulka)	West Tee	Micky Flat Rd	339	P2	Junction with West Terrace has no give way and no hazard board, sight lines sufficient, radii insufficient will cross road, 5.6m carriageway, alignment poor, vegetation encroaching onto pavement, some trees within 3m clear zone, junction with Micky Flat Road has no give way or hazard board, angle tight, sight lines sufficient, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
4.597	Sheak Beach Rd	New Horizon Rd	Old Horizon Rd	1,977	P2	Intersection with New Horizon Road has give way, sight line sufficient, radii insufficient will cross full width, 6.7m carriageway, straight alignment, clear zone is good, pavement reasonable, intersection with Old Horizon Road has give way, five ways, poor angles, major sight line issues to western leg (photo) due to vegetation and horizontal curve, sight lines sufficient along easter leg, however poor observation angle, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.607	Sheak Beach Rd	Old Horizon Rd	Wattle Point Rd	3,004	P2	Intersection with Old Horizon Road has give way, sight lines insufficient to west due to horizontal curve, sufficient to east, poor angles as five ways, radii insufficient, 7m carriageway, clear zone good except for pile of rubble, pavement reasonable with minor corrugations, straight alignment with minor vertical, vegetation up to edges in southern section, some trees within 3m clear zone, pavement worse further south, vegetation encroaching, junction with Wattle Point Road has give way, sight lines sufficient, poor angle should be squared up, radii insufficient for left out and right in due to angle, other movements use full width.	2 - Alignment and Signage	\$150,000
4.681	Simmons Rd	Maitland Rd	Standpipe Rd	4,121	P2	Intersection with Standpipe Road has give way, sight lines sufficient, radii insufficient will cross full width, 7m carriageway, straight and flat at start, trees within 3m clear zone, pavement good condition, long vertical curve, narrow to 6m, minor sight line issues over crest, then sight horizontal curve with major sight line issues due to vegetation, vehicles will cross centreline, intersection with Maitland Road has give way, sight lines sufficient, trim vegetation to south to improve, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.584	South Kilkernan Rd	Spencer Hwy	Barley Stacks Rd	3,707	P2	Has priority at Barley Stacks Road intersection, horizontal curve through intersection, 47m carriageway, pavement good condition, trees within 3m clear zone, vegetation up to edge of pavement, horizontal curve fine, steep downgrade to Spencer Highway, has give way signs, seven ways intersection, central islands, priority between side roads unclear, needs to be improved, sign lines along Spencer Highway sufficient, radii insufficient for some movements due to islands	4 - Minor Intersection Upgrade	\$150,000
4.587	South Kilkernan Rd	Port Victoria Rd	Point Pearce Rd	1,296	P2	Intersection with Point Pearce Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, trees within 3m clear zone, straight and flat, pavement good condition, intersection with Port Victoria Road has give way, sight lines sufficient, poor angle with large central island, needs to be removed, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
4.596	South Kilkernan Rd	Hean Rd	Port Victoria Rd	1,560	P2	Intersection with Port Victoria Road has give way, large central island, sight lines sufficient but poor observation angles, radii insufficient for some movements due to island, should be removed, 9m wide carriageway, flat and straight, pavement good quality, vegetation along one side with some trees in 3m clear zone, has priority at Hean Road	4 - Minor Intersection Upgrade	\$150,000
5.160	South Tce (Maitland)	End of Seal at Town limit	Sandilands Rd	536	P2	6m unsealed carriageway, straight with long down slope, some trees within 3m clear zone, pavement reasonable but drainage issues leads to water running across the road and causing rutting, junction with Sandilands Road just 90 degree bend which has no widening and major sight line issues	2 - Alignment and Signage	\$150,000
4.763	Springfield Rd	Minlaton Rd	Cross Rd	4,416	P2	Has priority at Cross Road, 8m carriageway, pavement in good condition, straight alignment with vertical curves, vegetation up to both edges, trees within 3m clear zone, sight lines good over vertical curves, pavement good, junction with Minlaton Road has hazard board, sight lines insufficient major issues mainly to the east, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.744	Slevies Rd	Airstrip Rd	James Well Rd	4,012	P2	Junction with James Well Road has give way but no hazard board, sight lines sufficient to east but insufficient to west due to vertical curve, radii insufficient, need full width, 6-7m carriageway, some vegetation growing on edges of pavement, trees within 3m clear zone, bushes encroaching onto pavement need trim, alignment tight, pavement fine, minor rutting, horizontal and vertical curves with tight alignment but sight lines are fine, has priority at Airstrip Road	6 - Sight Distance and Junction Widening	\$50,000
4.761	Stone Rd (Curramulka)	Micky Flat Rd	End of Sheeting	712	P2	Junction with Micky Flat Road, has no give way or hazard board, poor angle, slightly squared up only, sight lines sufficient, radii insufficient for some movements, through road, 5.6m carriageway, poor alignment, trees along edge of road, vegetation encroaching, dead end	6 - Sight Distance and Junction Widening	\$50,000
4.632	Substation Rd (Edinburgh)	Bridge Rd	Lake Fowler Rd	3,657	P2	Junction with Bridge Road has give way, sight lines sufficient to south, insufficient to north due to vertical curve, radii insufficient will use full width, needs hazard board, 5.6m carriageway, pavement average, tight alignment with horizontal and vertical curves with minor sight line issues, clear zone has some stobie poles and trees within 3m, some vegetation up to edge, large pile of rocks on southern side of road within 3m clear zone, intersection with Lake Fowler Road has give way, five ways, sight lines along Lake Fowler Road sufficient, other legs not, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.737	Summer Track	2.5km S of Sandy Church Rd	Andrews Rd	2,627	P2	8m carriageway, pavement good condition, straight alignment with some vertical curves but minor, trees within 3m clear zone, vegetation up to edge, narrows to 7m carriageway, intersection with Andrews Road has give way, sign lines to east sufficient, to west insufficient due to vegetation needs trimming, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.738	Summer Track	Andrews Rd	Black Bobs Rd	3,190	P2	Intersection at Andrews Road has give way, sight lines sufficient, radii insufficient will need full width, large pot hole at junction, 6m carriageway, trees within 3m on both sides, clear zone improves, width varies, pavement rough but reasonable, horizontal curve satisfactory, intersection with Black Bobs Road has give way, sight lines insufficient both ways due to vegetation and road angle, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.694	Sunnyvale Rd	Coote Rd	Agery Rd	3,520	P2	Has priority at Coote Road intersection, 8m carriageway, trees within 3m clear zone, pavement is poor with lots of pot holes, need to be improved, alignment is good, intersection with Agery Road has give way, sight lines sufficient to north, insufficient to south due to vegetation and horizontal curve, needs trimming, radii insufficient will cross centreline	8 - Pavement	\$705,000
4.751	Sunnyvale Rd	Schilling Rd	Adams Rd	2,511	P2	Intersection with Upper Yorke Road has give way, central island which should be removed, sight lines sufficient, radii insufficient for some movements due to island, some drainage issues, 7m carriageway, trees up to edge of pavement, widens to 8m, straight alignment minor vertical, pavement has some pot holes, has priority at Adams Road	4 - Minor Intersection Upgrade	\$150,000
4.693	The Gunbarrel Rd	Didymulka Rd	Mount Rat Rd	1,156	P2	Junction with Mount Rat Road has hazard board, sight line sufficient to east, insufficient to west due to vegetation, radii insufficient will cross centreline but open, 8m carriageway, pavement very poor with major pot holes, trees up to edge, vegetation encroaching, widens to 7m, straight and flat, intersection with Didymulka Road has give way, sight lines sufficient can be improved to west with vegetation trimming, radii insufficient, use full width	8 - Pavement	\$235,000
4.696	The Gunbarrel Rd	Yorke Hwy	Spicer Rd	3,528	P2	Intersection with Spicer Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7.8m carriageway, straight alignment with minor vertical, pavement generally good but some sections corrugated and some isolated pot holes, trees within 3m clear zone and up to edge, narrows 6-7m carriageway, hazard board at junction with Lime Kiln Road, sight lines insufficient to west along Lime Kiln Road due to vegetation, radii sufficient	6 - Sight Distance and Junction Widening	\$50,000
4.586	Thomas Rd	Androssan Rd	Clinton Rd	3,819	P2	Intersection with Androssan Road has give ways, sight lines sufficient, poor observation angle, radii insufficient for some movements will use full width due to angles, 7.8m carriageway, pavement good with some soft patches will lead to pot holes, some trees within 3m clear zone, some poor sections of pavement, alignment is good, intersection with Clinton Road has give ways, six way intersection, sight lines along Clinton Road insufficient due to vegetation and horizontal curve, radii insufficient due to angles	2 - Alignment and Signage	\$150,000
4.588	Thomas Rd	Old Boundary Rd	Androssan Rd	1,738	P2	Has priority at Old Boundary Road, 6-7m carriageway, some grass growing on edges of pavement, pavement poor with lots of pot holes, trees within 3m clear zone, alignment fine, intersection with Androssan Road has give ways, angle is poor, needs to be squared up, sight lines sufficient but poor observation angle, radii insufficient for some movements due to poor angles will cross full width	8 - Pavement	\$350,000
4.565	Thomson Rd	Upper Yorke Rd	Weelulta Rd	1,136	P2	Intersection with Weelulta Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, pavement fine, vegetation and trees up to edge, junction with Upper Yorke Road partially squared up with sealed throat, sight line sufficient, observation angle still poor, no give way or hazard board, radii insufficient	3 - Major Intersection Upgrade	\$500,000
4.668	Tomney Rd	Rickaby Rd	McConkey Rd	3,158	P2	Junction with Rickaby Road has give way and hazard board, sight lines sufficient, can be improved to south with vegetation removal, radii insufficient will cross centreline, 6-7m carriageway, narrows to 5m due to vegetation growing on pavement, clear zone generally good, straight and flat alignment, pavement good, T-junction warning sign on approach, no give way or no hazard board, sight lines to north insufficient, due to vegetation, sufficient to south, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.669	Treasure Rd	Minlacowe Rd	Yorke Hwy	2,678	P2	Junction with Yorke Highway has give way, sight lines sufficient 80 kmh zone, very wide radii sufficient, left out will cross centreline, 9m seal in town then narrows to line marking, 6m unsealed carriageway, straight alignment, minor crest, pavement corrugated, some pot holes, width varies 7.6m, intersection with Minlacowe Road has give way, sight lines sufficient to west, insufficient to east due to vegetation and angle, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.645	Tunville Park Rd (Stansbury)	St Vincent Hwy	Minlaton Rd	3,829	P2	Intersection with St Vincent Hwy - Poor int angle, has give way sign, Sight distances are sufficient. Due to poor angle, left turn our radius is insufficient. Other radius' are fine. Intersection should be squared up to highway. Mid block South of Weavers - 6m width, pavement good - straight and flat, clear zone generally good, some trees within 3m. North of Weavers - Pavement width: 5m. Pavement good. Some trees in 3m clear zone. North of Outline Rd - 5m width, pavement good, some trees within 3m clear zone. Give way within segment at Weavers Road int - give way signs present - for both directions sight lines sufficient, radii insufficient - will cross the centreline - crossroad intersection. Sight could be improved with vegetation trimming. To the north full road width will be used for turn. Give way within segment at Outline Road int - No give way sign on south approach, give way sign present on north approach. Sight lines good, radius insufficient - using close to full pavement width - both approaches. Intersection with Minlaton Road - has give way sign. Sight lines are good. Radius good, but angle not great for left-in, and vegetation on inside. Should have sufficient width.	6 - Sight Distance and Junction Widening	\$50,000
4.788	Twelve Mile Rd	3km W of Power Line Rd	Yorke Hwy	1,901	P2	Intersection with Yorke Highway has give way, also another side road which makes priority confusing, needs to be upgraded, sight lines sufficient, radii insufficient, left in may cross centreline, 7m carriageway, trees within 3m clear zone, vegetation up to edge, straight alignment with vertical curves but sight lines sufficient	2 - Alignment and Signage	\$150,000
4.678	Waljalja Rd	Kainton Rd	Bridge Rd	1,746	P2	Has priority at Bridge Road, trees along edge of road, pavement good condition, 7m unsealed carriageway, straight alignment, minor vertical curve, intersection with Kainton Road has give way, five ways, alignment really poor and observation angles tight due to angles at intersection, some movements impossible due to angles, sight lines sufficient but poor angles	2 - Alignment and Signage	\$150,000
4.790	Waljalja Rd	Melton South Rd	Yararoo Rd	3,987	P2	Intersection with Yararoo Road has priority, 6m carriageway, pavement good, some minor trees within 3m clear zone, alignment fine large horizontal curve, pavement generally good but some large pot holes, lots of trees within 3m clear zone, some branches encroaching, widens to 7m, intersection with Melton South Road has give way, sight lines sufficient at intersection, radii insufficient for some movements but can see enough into side road to know if clear	6 - Sight Distance and Junction Widening	\$50,000
4.787	Watson Beach Rd	Carbery Rd	Mount Terrible Rd	2,238	P2	Intersection with Mount Terrible Road has give way, sight lines insufficient, vegetation trimming would improve, radii insufficient will need full road width, 6-7m carriageway, pavement heavily corrugated, vegetation up to edge, trees within 3m clear zone, straight alignment with minor vertical, advanced intersection warning sign, intersection has priority on a very tight horizontal curve	6 - Sight Distance and Junction Widening	\$50,000
4.720	Wayside Rd	Melton South Rd	Yararoo Rd	4,212	P2	Junction with Yararoo Road has give way, no hazard board, sight lines sufficient, radii insufficient, will need full width, 5m unsealed, minor grass down middle, trees on both sides within 3m clear zone, minor alignment issues, pavement varies between 4m and 6m wide, pavement fine, intersection with Melton South Road has give way, sight lines tight due to vegetation, radii sufficient may cross centreline for some movements	6 - Sight Distance and Junction Widening	\$50,000
4.722	Weelulta Tank Rd	Agery Hill Rd	Bull Ant Rd	3,399	P2	Has priority at Agery Hill Road, 6-7m carriageway, trees typically 3m back, some vegetation up to edge, pavement poor condition, straight alignment initially with lots of small vertical curves, minor sight line issues only, horizontal alignment becomes tight with major curves some with major sight line issues and no widening, pavement corrugated and lots of pot holes, junction with Bull Ant Road has priority	8 - Pavement	\$680,000

001b Network Summary Risk Assessment - Final Rev A.xlsx / Commodity Routes

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,723	Weetulla Tank Rd	Bull Ant Rd	Pipeline Rd	4,122	P2	Has priority at Bull Ant Road, 7m carriageway, trees within 3m clear zone, light alignment at northern end minor sight line issues, pavement poor condition, major sight line issues over some crests, intersection with Pipeline Road has give way, however both roads just lead straight into Spencer Highway Junction and priority unclear, observation angle only poor to Pipeline Road, radii insufficient onto Pipeline Road for some movements	8 - Pavement	\$825,000
4,794	Weetulla Tank Rd	Arthurton Rd	Cadd Rd	2,923	P2	Intersection with Arthurton Road has give ways, six ways, sight lines along Arthurton Road are sufficient, other legs insufficient due to angles, radii insufficient due to angle, 8m carriageway, trees within 3m clear zone, road width narrows and then back to 7m, straight alignment with crests minor sight line issues, pavement congested and pot holes, has priority at Cadd Road	2 - Alignment and Signage	\$150,000
4,725	West Beach Rd	Marion Bay Rd	Lighthouse Rd	2,242	P2	Junction with Lighthouse Road has give way and hazard board, sight lines sufficient, radii insufficient will use full width, 7m carriageway, pavement good condition, vegetation up to edge trees within 3m clear zone, straight alignment with minor vertical, junction with Marion Bay Road has sealed throat, give way and hazard board, sight lines insufficient to south due to horizontal curve, sufficient to north, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
5,146	West Tee (Maitland)	North Tee	South Tee	1,784	P2	Intersection with South Terrace has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, width varies, straight alignment, pavement poor condition, trees generally outside 3m clear zone, has give way at Elizabeth Street, sight lines insufficient to west from southern side as drivers may be concerned by tall grass and not being able to see road, likely they will see vehicles, others sufficient, radii insufficient will need full width, width varies from 6m to very wide, pavement has large pot holes, clear zone has large pile of rubble in it, road becomes very wide, straight, junction with North Terrace has no give way or hazard board, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$360,000
4,750	Wild Dog Hill Rd	2.3km S of Murodock Rd	McKenzie Rd	2,327	P2	7.8m carriageway, poor alignment with major sight line issues around curves, pavement poor condition very sandy, vegetation up to edge, has priority at McKenzie Road junction	8 - Pavement	\$470,000
4,803	Wild Dog Hill Rd	Murodock Rd	2.3km S of Murodock Rd	2,301	P2	Has priority at Murodock Road, 7-8m carriageway, pavement poor as has a lot of sand on surface, vegetation up to edge some trees within 3m clear zone, poor alignment with very light horizontal curves with major sight line issues due to vegetation.	8 - Pavement	\$465,000
25,244	Wild Dog Hill Rd	McKenzie Rd	2.8km S of McKenzie Rd (T Junction Unnamed Rd)	2,854	P2	6m carriageway, pavement average, vegetation up to edge, poor alignment with minor sight line issues around some horizontal curves, pavement poor very sandy, width varies becomes wider in sections, has priority	8 - Pavement	\$575,000
4,730	Williamson Rd	Reservoir Rd	Melton South Rd	3,142	P2	Intersection with Melton South Road has give way, five ways, sight lines sufficient on main roads, cant see into all due to angles, radii insufficient for some movement, 5.6m carriageway, trees up to edge, alignment has some horizontal and vertical but reasonable, pavement poor in sections, intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient will use full width	2 - Alignment and Signage	\$150,000
4,776	Wilson Rd	Honner Rd	Culline Rd	2,524	P2	Intersection with Culline Road has give way, sight lines sufficient but light, radii insufficient due to angle and road width for left in and right out need to ban, other movements can be completed, 6-7m carriageway, pavement very poor at southern end but improved, trees within 3m clear zone and up to edge, branches encroaching onto pavement, horizontal and vertical alignment is poor with minor sight line issues, intersection with Honner Road has give way, sight lines light but sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,786	Wilson Rd	Culline Rd	Harry Butler Rd	2,200	P2	Intersection with Harry Butler Rd - Has give way sign and crossroad warning signage indicating priority (incorrect - remove sign), sight lines sufficient but poor observation angle due to intersection geometry, radius insufficient, vehicle will use full pavement width, left cut may track off of pavement Mid-block - 6 to 7m pavement width with grass growing in pavement edges. Some minor pavement corrugation. Lots of trees within 3m clear zone with branches up to pavement edge and some into the roadway. Horizontal curve at eastern end with insufficient sight lines due to vegetation at edge of traffic lane (trim/remove), no delineation or curve widening, other horizontal curves with limited but sufficient sight lines. Intersection with Culline Rd - Has give way sign. Sight lines left insufficient due to branches encroaching to edge of roadway, right is sufficient. Radius insufficient, full pavement width used by vehicle, left in turn may track off pavement.	7 - Major Intersection Widening	\$100,000
4,685	Woodgee Rd	St Vincent Hwy	Minlaton Rd	2,483	P2	Intersection with St Vincent Hwy - Has give way sign, bad intersection angle. Sight lines are sufficient, but observation angles are poor due to angle of intersection. Left turn in radius insufficient due to angle, radius on other turns is sufficient. Suggest squaring intersection to the highway. Mid block - Pavement width 6m (plus extra 1m which has vegetation growing into it), pavement is good. Minimal trees in 3m clear zone. Intersection with Minlaton Rd - Has give way sign. 7 way intersection with highway, unclear who has priority with 3 minor roads coming into the highway. Sight lines are sufficient. Radius is sufficient (three side roads in one).	2 - Alignment and Signage	\$150,000
4,687	Woodgee Rd	Little Glory Rd	Culline Rd	3,093	P2	Intersection with Little Glory Road - Has give way sign, 45 degree angle on cross-road intersection - sight lines good, observation angle poor. Radius insufficient - full pavement width used. Mid block - 4 to 5m pavement width. Pavement good. Some isolated trees within 3m clear zone. Southern end features more trees at edge of pavement / within 3m. Pavement width out to 5 to 6m. Tight horizontal curve (90 degree) with some vegetation blocking sight lines through, no curve widening, no delineation, truck would use full width. Intersection with Culline Road - Has give way sign, sight lines sufficient. Radius insufficient - will cross centreline and use full road width.	7 - Major Intersection Widening	\$100,000
4,708	Wuarle Rd	Point Souttar Rd	Levens Rd	3,229	P2	Intersection with Levens Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 5m carriageway which narrows to 3-4m, clear zone generally good but then trees start within it up to edge, pavement average, straight alignment with minor vertical, only minor sight line issues, junction with Point Souttar Road has give way, sight lines to north insufficient due to vegetation and vertical curve, sufficient to south, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,710	Wuarle Rd	Rockleigh Rd	Marion Bay Rd	2,043	P2	Intersection with Marion Bay Road has give way, sight lines insufficient due to vertical curve, radii insufficient, has sealed throat, 6-7m carriageway, vegetation trimmed back, clear zone generally good, pavement poor condition, straight alignment, has priority at Rockleigh Road intersection	8 - Pavement	\$410,000
4,711	Wuarle Rd	Marion Bay Rd	2.7km W of Marion Bay Rd	2,701	P2	5-6m carriageway, vegetation up to edge and trees within 3m clear zone, 6m carriageway some grass growing on pavement edges, straight alignment with vertical curves minor sight line issues, intersection with Marion Bay Road has give way, sight lines insufficient due to vertical curve, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
25,250	Wuarle Rd	Hayes Rd	Liddard Rd	1,525	P2	Intersection with Liddard Road has give way, sight lines sufficient, radii insufficient will cross centreline, 5m carriageway, pavement average, clear zone generally good, straight alignment with minor vertical, clear zone generally good with trees back, intersection with Hayes Road has give way, sight lines insufficient to north due to vegetation and vertical curve, sufficient to south, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,770	Wyndotte Rd	Pedler Rd	Stuckey Rd	1,697	P2	Intersection with Stuckey Road has give way, sight lines sufficient, radii insufficient can use full width, 6m carriageway, vegetation up to edge, trees within 3m clear zone, straight alignment, crests with major sight line issues, pavement poor, junction with Pedler Road needs hazard board, sight lines sufficient, vegetation trimming would improve, radii insufficient will need full width	8 - Pavement	\$340,000
4,780	Wyndotte Rd	Stuckey Rd	2.4km S of Stuckey Rd (bend in Rd)	2,427	P2	5m carriageway, trees within 3m clear zone, straight alignment, crests with major sight line issues, pavement poor, drainage issues, intersection with Stuckey Road has give way, sight lines sufficient at intersection, vegetation trimming to improve, radii insufficient will need full width	8 - Pavement	\$490,000
4,781	Wyndotte Rd	2.4km S of Stuckey Rd (bend in Rd)	Weetulla Tank Rd	3,289	P2	Intersection with Weetulla Tank Road has give way, sight lines insufficient due to vertical curves, radii insufficient need full width, 7m carriageway, trees within 3m clear zone up to edge, straight alignment with vertical crests, pavement poor and sandy, narrows to 4m wide, minor sight line issues, width varies, pavement poor, segment ends with 90 degree horizontal curve, can see around but narrow no widening	8 - Pavement	\$660,000
4,724	Yararo Rd	Kellys Hill Rd	Wayside Rd	3,407	P2	Intersection with Kellys Hill Road is wide, has large central island, sight lines insufficient to north due to vertical alignment, radii insufficient for some movements, walk to Yorkie segment, 5-7m wide varies a lot, trees on edge of pavement, lots within 3m clear zone, small vertical curves with minor sight line issues, has priority at Wayside Road junction	4 - Minor Intersection Upgrade	\$150,000
4,706	Yarum Rd	3km E of Yorke Valley Rd	Pine Point Rd	3,052	P2	Intersection with Pine Point Road has give way, six ways, poor angles, sight lines insufficient for some legs, radii insufficient for some movements due to angles, upgrade to intersection, needs grass and vegetation trimming to improve to, 7m carriageway, pavement poor quality with pot holes and soft sections, trees and vegetation within 3m clear zone, straight alignment some vertical, sight lines sufficient.	2 - Alignment and Signage	\$150,000
25,243	Yelland Rd	3.3km NE of Minlaton Rd	St Vincent Hwy	3,294	P2	Mid block - 4 to 5m width, pavement ok, some trees in clear zone. Tight horizontal curve (90 deg) with no delineation or widening. Sight line issues due to vegetation on inside. Truck would use full pavement width. Pavement widens to 5 to 6m some sections of northern end. Intersection with St Vincent Hwy - Has give way sign. Sight lines are good. Radius is ok, but likely to use full width of Yelland Road.	7 - Major Intersection Widening	\$100,000
25,252	Yellowcorowie Rd	Point Souttar Rd	Levens Rd	3,221	P2	Has priority at Point Souttar Road intersection, 6-7m carriageway, very light vertical curves with major sight line issues, vegetation up to edge and encroaching onto pavement, trees within 3m clear zone, pavement reasonable, narrows to 5m in sections, some pot holes, has priority at Levens Road junction	6 - Sight Distance and Junction Widening	\$50,000
25,254	Yellowcorowie Rd	Reo Rd (Track)	Hundred Line Rd	1,524	P2	Has priority at Reo Road Junction, 5m carriageway, straight alignment with minor vertical sight lines fine, some trees within 3m clear zone, pavement reasonable, intersection with Hundred Line Road has give way, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
25,255	Yellowcorowie Rd	Hundred Line Rd	Hayes Rd	3,226	P2	Intersection with Hundred Line Road has give way, sight lines insufficient due to vegetation, radii insufficient need to use full width, 5m carriageway, vegetation up to edge, pavement average, straight alignment with vertical curves, minor sight line issues, intersection with Hayes Road has give ways, sight lines sufficient but vegetation trimming would improve, radii insufficient will need full width, angles poor	6 - Sight Distance and Junction Widening	\$50,000

**Appendix B3**

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Field Assessment Spreadsheet

Commodity Routes – All Routes

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.024	Adams Rd	Sunnyvale Rd	Lamshed Rd	4,307	P2	Intersection with Lamshed Road has give ways, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, pavement good condition, tight horizontal curve with super-elevation and one guide post, more delineation would help, pavement up to 6m wide, another tight horizontal curve similar to last one, still trees and vegetation up to edge of road, pavement good condition, intersection with Sunnyvale Road has give ways, sight lines are sufficient, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000
4.338	Adams Rd	Lamshed Rd	Holman Rd	2,135	P2	Has priority at Holman Road, carriageway 7m wide useable 6m due to vegetation growing on pavement edges, trees within 3m clear zone, bushes up to edge and branches overhanging onto road, pavement good condition, give ways at Busserschut Road intersection, sight lines sufficient, radii insufficient will need to use full width, 7m carriageway, vegetation up to edge trees in 3m clear zone, pavement good condition, intersection with Lamshed Road has give ways, sight lines sufficient to east, insufficient to west due to vegetation needs trimming, radii insufficient for some movements will need full width may not even be sufficient	6 - Sight Distance and Junction Widening	\$50,000
4.339	Agerly Hill Rd	Arthurton Rd	Lakes Rd	3,304	P3	Junction with Arthurton Road has a give way, sight lines sufficient, radii insufficient vehicles will cross centreline undertaking some movements, 6-7m carriageway, pavement good condition, horizontal curves through lake have sufficient sight lines, narrow to 5-6m wide carriageway, trees within 3m clear zone, vegetation encroaching onto pavement mainly bushes and branches, some minor vegetation growing on edges of pavement, light alignment with minor horizontal and vertical curves, sight lines sufficient, alignment becomes flat and straight, width improves to 7m, minor corrugations, pavement good condition, intersection with Lakes Road has give way, sight lines sufficient, radii insufficient will use full width		
25.110	Agerly Hill Rd	Lakes Rd	Weetulla Tank Rd	3,942	P1	Intersection with Lakes Road has give way, sight lines sufficient, radii insufficient will use full width due to road width, 4-6m carriageway, very narrow through cutting, pavement poor condition large sandy sections, trees within 3m clear zone and up to edge of pavement, typically 4m wide and road cut down so vehicles cant get off if another comes, straight alignment with very minor crests, sight lines fine, pavement very soft and sandy unsure if a truck would get through, 5m carriageway, pavement has major damage, clear zone improves, junction with Weetulla Tank Road has give way, sight lines insufficient due to embankments and vegetation, radii insufficient unsure if can be completed	5 - Carriageway Widths	\$395,000
7.469	Airport Rd	Golf Rd	School Rd	423	P4	Has priority at School Road junction, 6m seal with no line marking, 1-2m unsealed shoulders, straight and flat, clear zone good but some vegetation, pavement good condition, Golf Road has priority		
7.470	Airport Rd	Minlaton Rd	Golf Rd	412	P3	Has priority at Golf Road, 6m seal, no line marking, 2m unsealed shoulders, straight and flat, stobes and trees outside clear zone, junction with Minlaton Road has no hazard board or give way, sight lines sufficient, radii insufficient will need full width		
7.902	Airport Rd	School Rd	Cul de sac	373	P2	Leads to gate which is closed, 4m seal with 1-2m unsealed shoulders, no line marking, clear zone good, straight alignment with minor vertical, sight line fine, has priority at School Road	5 - Carriageway Widths	\$40,000
4.340	Airstrip Rd	Maitland Rd	Stewies Rd	2,261	P3	Has priority at Stewie's Road, pavement in poor condition corrugated, some trees within 3m clear zone, a lot of bushes encroaching onto pavement, intersection with Maitland Road has no give way, five ways with S10 Road which has give way, truck gang straight across needs improving, sight lines sufficient, radii insufficient, tight for left turn in will use full width		
4.341	Anderson Rd (Nth Gum Flat Ward)	North South Rd	Davies Rd	4,343	P4	Has priority at Davies Road, 8-8m carriageway, straight alignment with some vertical curves, sight lines fine, some trees within 3m clear zone, pavement condition is good, intersection with North South Road has priority		
4.342	Anderson Rd (Sth Gum Flat Ward)	Yorke Hwy	Culline Rd	3,491	P2	Intersection with Culline Road has give way, sight lines sufficient to west, insufficient to east due to vegetation, radii insufficient will use full width, 7m carriageway, straight alignment, pavement corrugated, some vegetation up to edge, clear zone generally good, widens to 6m, needs to be graded, approach sight distance to give way poor over crest, give way to Honour Road sight lines insufficient to east, then give way to Yorke Highway, sight lines sufficient north, insufficient to south, radii sufficient	6 - Sight Distance and Junction Widening	\$50,000
4.337	Andrews Rd	2.25km E of Summer Track	Davies Rd	2,264	P3	5-6m carriageway, clear zone generally good, pavement good condition, horizontal curve alignment good, has priority at Davies Road intersection		
4.343	Andrews Rd	Spencer Hwy	Mount Rat Wells Rd	1,980	P3	Intersection with Spencer Highway has give way, sight lines sufficient, has central island and left out slip, needs to be formalised, radii insufficient for some movements due to island, 6m carriageway, pavement good condition, straight alignment with minor vertical, clear zone generally good with isolated trees, intersection with Mount Rat Well Road has give way, sight lines insufficient to south due to vegetation, sufficient to north, radii insufficient will use full width		
4.345	Andrews Rd	Summer Track	2.25km E of Summer Track	2,254	P3	Has priority at Summer Track intersection, 6m carriageway, pavement good condition, some trees within 3m clear zone, generally good, some horizontal curves but sight lines good, narrow to 6m in sections, pavement reasonable		
4.353	Andrews Rd	Mount Rat Wells Rd	Summer Track	2,788	P3	Intersection with Mount Rat Well Road has give way, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, trees within 3m clear zone, vegetation up to edge, pavement reasonable condition, straight alignment with some vertical curves, pavement uneven in sections, has priority at Summer Track intersection		
4.347	Antonio Rd	Weavers Rd	Culline Rd	2,272	P1	Intersection with Culline Road - Has give way sign, sight lines ok to left, insufficient to right due to vegetation. Radius insufficient - turning movements not possible on pavement due to narrow width of Antonio Rd. Mid-block - 3m pavement width, reasonable number of trees within 3m clear zone. Some grass growing along centre of road. Pavement surface is good. Intersection with Weavers Road - Has give way sign, sight lines sufficient, radius insufficient, needs to use full width and may not be able to make turn on the pavement.	8 - Pavement	\$455,000
25.111	Antonio Rd	St Vincent Hwy	Weavers Rd	2,828	P1	(Photo) - north end Intersection with Weavers Road - Has give way sign, sight lines sufficient. Radius insufficient - turning movements not possible on pavement due to narrow width of Antonio Rd. Mid-block - 3m pavement width, grass growing in middle, pavement poor - uneven rock and potholing. Winding alignment - no delineation. Some sections of pavement have drainage issues, evidence of pooling within the roadway. Widens at southern end. (Intersection with St Vincent Hwy) - T-junction into Little Glory Road prior to St Vincent - Horizontal curve into intersection - hazard boards and intersection past a curve sign present. Sight lines to left insufficient, ok to right. Radius insufficient, will use full width for turns.	8 - Pavement	\$570,000
4.348	Back Rd	Maitland Rd	Wheare Rd	1,725	P1	Intersection with Maitland Road has give way, poor angle Y-junction, sight lines sufficient but poor observation angle, radii insufficient for some movements due to angles, 7m carriageway, pavement good condition some minor corrugations, trees within 3m clear zone, straight alignment, has priority at Wheare Road	3 - Major Intersection Upgrade	\$500,000
4.349	Back Rd	Wheare Rd	Cunningham Rd	3,663	P4	Has priority at Wheare Road, 7m carriageway, pavement good condition, trees within 3m clear zone, vegetation encroaching onto pavement, horizontal curves have sufficient sight lines, widens to over 6m, pavement good condition, has priority at North South Road, priority continues onto Cunningham Road		
25.112	Back Rd	Cunningham Rd	Pine Point Rd	3,187	P1	Junction with Cunningham Road has give way, Y-junction with poor angle, (photo), sight lines insufficient to west due to vegetation, sufficient to east but poor angles, radii insufficient for some movements, needs to be squared up. 4m carriageway, pavement reasonable, alignment tight with horizontal and vertical curves, minor sight line issues, trees within 3m clear zone, branches and vegetation encroaching, intersection with Pine Point Road has give way, Y-junction, sight lines sufficient, poor observation angle, radii insufficient needs to be squared up	3 - Major Intersection Upgrade	\$250,000
4.350	Bagnells Well East Rd	Harry Butler Rd	Rabbit Corner Rd	2,290	P1	(Photo) Intersection with Harry Butler Rd - (intersects instead with Depot Shed Rd prior) - No give way sign and Y-junction prior to major intersection. Unclear who has priority and poor observation angle. Recommend to install give way sign. Sight lines sufficient. Radius insufficient, left-out and right-in movements likely to track off of pavement. Mid-block - 4m pavement width, poor pavement surface, trees within 3m clear zone, horizontal curves with insufficient sight lines (vegetation blocking sight). Narrow corridor, not recommended for heavy vehicle use. Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, limited to the left due to vegetation. Radius insufficient, vehicle will track off the pavement.	3 - Major Intersection Upgrade	\$250,000
4.351	Bagnells Well East Rd	Rabbit Corner Rd	Bublawowie Rd	1,856	P1	(Photo) Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, limited to the left due to vegetation. Radius insufficient, vehicle will track off the pavement. Mid-block - 3m wide track (widens to 4m eastern end), grass growing in centre, pavement surface poor, trees within 3m clear zone, some small horizontal curves with fair sight lines through. Narrow corridor, not recommended for heavy vehicle use. Intersection with Bublawowie Rd - Has give way sign (text faded away), sight lines sufficient, radius insufficient, vehicle will track off the pavement.	8 - Pavement	\$375,000
4.352	Bagnells Well East Rd	Bublawowie Rd	Savage Hut Rd	1,864	P2	Intersection with Bublawowie Rd - Has give way sign (text faded away), sight lines sufficient, radius insufficient, vehicle will use full width of the pavement. Mid-block - 6m wide pavement, pavement surface good, trees within 3m clear zone, some narrowing to 7m pavement width. Intersection with Savage Hut Rd - 5 leg intersection, unclear who has priority of 2 minor legs. Has give way sign, sight distance insufficient to the left (vegetation), radius insufficient, vehicle will cross centre line.	7 - Major Intersection Widening	\$100,000
4.329	Bagnells Well West Rd	Harry Butler Rd	Kangaroo Flat Rd	4,037	P2	Intersection with Kangaroo Flat Rd - Has give way sign and advance T-junction sign (remove), sight lines sufficient, radius insufficient, vehicle will cross centre line. Mid-block - 8m pavement width, pavement surface good, some isolated trees within 3m clear zone and some branches encroaching within road width. Some horizontal curves with no delineation or curve widening - have sufficient sight lines through curves. Intersection with Harry Butler Rd - Has give way sign (faded), sight lines insufficient (veg encroachment left and horizontal + vertical geometry + vegetation right). Wide pavement with left slip lane, radius insufficient, some crossing of the centre line still likely.	6 - Sight Distance and Junction Widening	\$50,000
25.113	Bagnells Well West Rd	Kangaroo Flat Rd	Cudorowie Rd	2,935	P1	(Photo) Intersection with Kangaroo Flat Rd - No give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width. Mid-block - Eastern end - little to no actual pavement, more of an undefined track. Major potholes, undulations and exposed sections of uneven rock. Movement between trees, pavement not suitable for heavy vehicle use. Western end - alignment and surface improves, 3m track. Intersection with Cudorowie Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track off pavement for all turns.	8 - Pavement	\$590,000

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.114	Bagnets Well West Rd	Cudorowie Rd	Pookawarowie Rd	2,515	P1	(Photo) Intersection with Cud. Rd - Has give way sign, sight lines insufficient to the left (inside curve and vegetation to edge of pavement), radius insufficient, vehicle will cross centre line. Mid-block - 5 to 6m pavement width in some sections, piles of rubble rock 1 to 1.5m tall (hazard) against edge of pavement. <b>Pavement appears non-existent in some sections. Central section pavement surface and alignment deteriorates to a winding track around trees. Not suitable for heavy vehicle use.</b> Intersection with Pookawarowie Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width.	8 - Pavement	\$505,000
4.327	Bagshaw Rd (NH Kalkabury Ward)	Spencer Hwy	Rocky Bend Rd	3,579	P2	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 5-6m carriageway, sandy pavement, sight line issues over crest, pavement corrugated, uneven and sandy, trees within 3m clear zone, some vegetation encroaching, several crests with sight line issues.	5 - Carriageway Widths	\$360,000
4.322	Bagshaw Rd (Sih Kalkabury Ward)	Barley Stacks Rd	Urania Rd	2,816	P3	Intersection with Barley Stacks Road has give way, sight lines sufficient, radii insufficient can use full width, 7-8m carriageway, straight alignment, vertical curves and one deep roadway with tight alignment, clear zone good, pavement good, intersection with Urania Road has give way, sight lines sufficient can be improved with vegetation trimming, radii insufficient will cross centreline		
4.344	Bagshaw Rd (Sih Kalkabury Ward)	Port Victoria Rd	Barley Stacks Rd	1,703	P3	Intersection with Port Victoria Road has give way, sight lines sufficient, radii insufficient will use full width junction open can see in easily, 7m carriageway, straight and flat, some trees within 3m clear zone, pavement good, intersection with Barley Stacks Road has give way, sight lines sufficient, radii insufficient will cross full width, can see safely		
4.323	Baker Rd	Minlaton Rd	Little Glory Rd	1,474	P3	Intersection with Little Glory Road has give way, sight lines sufficient, radii insufficient will use full width, 6m carriageway, straight and flat, pavement good condition, clear zone good, intersection with Minlaton Road has give way, seven ways intersection, sight lines along Minlaton Road are sufficient, radii insufficient		
4.324	Baker Rd	Little Glory Rd	Springfield Rd	4,459	P3	Junction with Springfield Road has hazard board, sight lines sufficient, radii insufficient will cross centreline, typically 6m carriageway but sections 7m, straight alignment with minor vertical, pavement good condition, clear zone generally good with trees back but some within 3m, has give way at Little Glory Road, sight lines sufficient, radii insufficient will use full width		
25.115	Balaklava Rd	Orrie Cowie Rd	Little Sheoak Rd	3,134	P2	Intersection with Little Sheoak Road has give way, <b>sight lines insufficient, major issue to north, radii insufficient due to poor angles, five ways, 6m carriageway, pavement reasonable, alignment fine, some trees within 3m clear zone, width varies between 5-7m, has priority at Orrie Cowie Road</b>	6 - Sight Distance and Junction Widening	\$50,000
25.116	Balaklava Rd	Little Sheoak Rd	Wild Dog Hill Rd	3,631	P1	Intersection with Wild Dog Hill Road has give ways, sight lines sufficient, radii insufficient due to 3m wide road, tall grass down middle, pavement very bad in sections, some sections fully grass. (photo), intersection with Little Sheoak Road has give way, major sight line issues both directions due to road alignment, radii insufficient to complete movements	8 - Pavement	\$730,000
25.117	Balaklava Rd	Wild Dog Hill Rd	Yorke Hwy	2,028	P1	Intersection with Yorke Highway has give way, sight lines insufficient to east, sufficient to west, radii insufficient and trucks will not be able to complete due to narrow width, 3m track with grass down middle, grass completely over road in sections, clear zone good, pavement poor, alignment reasonable, intersection with Wild Dog Hill Road has give ways, sight lines just sufficient, radii insufficient due to narrow width of road on both sides, 3m track with grass continues.	8 - Pavement	\$410,000
25.118	Balaklava Rd	Yorke Hwy	Point Soutar Rd	4,660	P2	Intersection with Point Soutar Road is six ways, sight lines along main road sufficient, radii insufficient for some movements due to angles, 5-7m carriageway, pavement poor, poor alignment with horizontal curve, some major sight line issues, some major pot holes, generally clear zone is good but long pile of rocks within clear zone, intersection with Yorke Highway has give way, sight lines sufficient, poor angle with poor observation line, radii insufficient for some movements	5 - Carriageway Widths	\$470,000
25.119	Balaklava Rd	Point Soutar Rd	Levens Rd	7,383	P1	Junction at Levens Road has no give way or hazard board, sight lines insufficient to south, sufficient to north, radii insufficient, needs to be much wider pavement, <b>3.6m carriageway, some grass down middle, pavement reasonable, some trees within 3m clear zone, alignment poor in sections with minor sight line issues, some have major sight line issues, intersection with Point Soutar Road has give way, sight lines insufficient along main road due to angles and vegetation, six legs, radii insufficient needs to be improved, segment 3.6km section to north only road reserve</b>	5 - Carriageway Widths	\$740,000
4.325	Balgowan Rd	Spencer Hwy	Rifle Range Rd	2,035	P3	Intersection with Rifle Range Road has give way, sight lines sufficient, radii insufficient for some turning movements to be completed, 6m carriageway, some trees within 3m clear zone, widens to 7m, straight alignment, some branches encroaching onto pavement, pavement generally good however lots of large pot holes need treating, intersection with Spencer Highway has give ways, sight lines sufficient, radii insufficient will cross centreline but reasonable		
8.062	Balgowan Rd	Upper Yorke Rd	0.34km E of Upper Yorke Rd	342	P4	Posed as 50km/h speed zone, sheds with machinery along this section, sealed pavement with no line marking, lots of pot holes, numerous access points, seal 7m wide, drainage issues and dirt washed onto road, trees within 3m clear zone, branches encroaching onto road, intersection with Upper Yorke Road has give ways, sight lines sufficient, radii insufficient may just cross centre line		
25.120	Balgowan Rd	Rifle Range Rd	Upper Yorke Rd	1,951	P2	Intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, trees within 3m clear zone, narrow, clear zone becomes fine, pavement very poor, drainage issues and water runs down road causing rutting, cars have damaged driving on when wet, straight alignment, intersection with Rifle Range Road has give way, sight lines sufficient, radii insufficient road not wide enough for some turning movements	7 - Major Intersection Widening	\$100,000
4.326	Bamboos Rd	Rickaby Rd	Didiyamulka Rd	1,998	P4	Has priority at Rickaby Road, 8m carriageway, pavement good condition, slat and straight alignment, stobes 3m from edge, some vegetation, has priority at Didiyamulka Road		
4.336	Bamboos Rd	Didiyamulka Rd	Bertram Rd	4,348	P2	Has priority at Didiyamulka Road intersection, 7m carriageway, vegetation up to edge and encroaching, clear zone generally good, pavement good, straight alignment, pavement becomes uneven and poor width varies, narrows to 5m in sections, corrugated and major pot holes, no give way seems to have to give way at Bertram Road intersection, needs give way, sight lines sufficient, radii insufficient will need full width	7 - Major Intersection Widening	\$100,000
4.320	Barkers Rocks Rd	Gun Club Rd	McConkey Rd	2,705	P4	Has priority at Gun Club Road, 7-8m carriageway, pavement poor, uneven with large pot holes, straight alignment, clear zone generally good with odd trees only, has priority at McConkey Road		
4.328	Barkers Rocks Rd	Spencer Hwy	Gun Club Rd	1,165	P3	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient may cross centreline, 7-8m carriageway, pavement good straight alignment, some trees within 3m clear zone, and stobes, has priority at Gun Club Road		
4.330	Barkers Rocks Rd	McConkey Rd	Rickaby Rd	3,180	P2	Has priority at McConkey Road, 7m carriageway, trees within 3m clear zone, width varies between 6-8m, pavement average, straight alignment, minor vertical curves only, intersection with Rickaby Road has give way, sight lines insufficient due to horizontal curve and vegetation, can see better in truck, radii insufficient for some movements need full width	7 - Major Intersection Widening	\$100,000
4.331	Barkers Rocks Rd	Rickaby Rd	Coast	2,850	P2	Intersection with Rickaby Road has give ways, unclear if for Parsons Road to? Poorly set up, has large central island, give way unclear, needs to be realigned, sight lines sufficient, radii insufficient for some movements due to island, 6m carriageway, trees within 3m clear zone, widens to 7m, pavement corrugated, straight alignment, some bushes up to edge of pavement, encroaching more to west, some trees in clear zone also	6 - Sight Distance and Junction Widening	\$50,000
4.332	Barley Stacks Rd	Port Victoria Rd	Bagshaw Rd	2,840	P3	Has priority at Bagshaw Road, some grass growing on pavement, pavement 8m plus for eastern part and gets narrower to 7m, straight alignment, pavement fine with some soft sections, some drainage issues due to grading deep water likely to pool, odd trees within 3m clear zone, junction with Port Victoria Road has give way, poor angle, sight lines sufficient, radii insufficient for some movements due to angles		
4.333	Barley Stacks Rd	Bagshaw Rd	South Kilkerran Rd	4,323	P3	Intersection with South Kilkerran Road has give way, sight lines good due to road angles, radii insufficient can use full width of road, width varies between 8 and 7m generally, pavement good with odd pot holes, trees within 3m clear zone, vegetation up to edge some branches encroaching, straight alignment, has priority at Bagshaw Road		
4.334	Barley Stacks Rd	South Kilkerran Rd	Spencer Hwy	4,296	P2	Intersection with Spencer Highway has give ways, sight lines sufficient, radii insufficient for some movements has central grassy island on southern side, not ideal needs to be upgraded, 6-7m carriageway, straight alignment with vertical curves, minor sight line issues over some crests, cutting 6m wide only, trees within 3m clear zone, pavement fine, becomes flat and straight, pavement good, intersection with South Kilkerran Road has give ways, sight lines insufficient due to angles of roads and vegetation needs trimming, radii insufficient will need full width	4 - Minor Intersection Upgrade	\$150,000
21.649	Barnes Rd	Spencer Hwy	Rocky Bend Rd	1,968	P3	Has priority at Rocky Bend Road, 7m carriageway, vegetation up to edges, trees within 3m clear zone, pavement reasonable condition, straight alignment, crests with minor sight line issues, short steep upgrade to Spencer Highway, intersection has give ways, sight lines sufficient, radii insufficient will cross centreline		
25.124	Barnes Rd	Rocky Bend Rd	Nalyappa Rd	3,152	P2	Intersection with Nalyappa Road has give way, sight lines insufficient due to embankments and vegetation, radii insufficient will use full road width, 6m carriageway, straight alignment with vertical curves, minor sight line issues, pavement sandy, vegetation up to edge of pavement, width varies 5-6m, pavement poor condition, several crests with poor sight lines, grass growing on pavement narrows width, poor approach sight distance to intersection, consider warning sign, has priority at Rocky Bend Road	6 - Sight Distance and Junction Widening	\$50,000
25.855	Barnes Rd	Nalyappa Rd	Chapman Rd	1,715	P1	Junction with Chapman Road has give way, sight lines to north insufficient, to south sufficient, radii insufficient will need full road width, <b>4-5m carriageway, pavement poor condition, trees within 3m clear zone, branches encroaching onto road, light horizontal curve with major sight line issues due to vegetation, intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient narrow road and turning movements may not be possible on pavement</b>	5 - Carriageway Widths	\$175,000
4.335	Barrett Rd	St Vincent Hwy	Sturt Bay Rd	3,715	P1	Junction with St Vincent Highway has a give way, Yjunction, (photo) sight lines insufficient to left due to horizontal curve, sufficient to right, <b>observation angle very poor, left out and right in not possible due to angle, very dangerous set up needs to be squared up, 6-7m carriageway, straight alignment with some upgrade, pavement has some hazards eastern and then becomes good, intersection with Sturt Bay Road has give ways, sight lines sufficient, radii insufficient will cross centreline</b>	3 - Major Intersection Upgrade	\$500,000
4.361	Barrett Rd	Sturt Bay Rd	Little Sheoak Rd	3,664	P2	Intersection with Sturt Bay Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, widens to 7m in sections, straight alignment with large vertical curves, some trees and vegetation in 3m clear zone, some stobes in 3m clear zone but generally outside, pavement good condition, alignment is fine, intersection with Little Sheoak Road has give way, six ways intersection priority confining, sight lines along main road insufficient to south due to vegetation, sufficient to north, radii insufficient for some movements, need to align better	2 - Alignment and Signage	\$150,000
4.387	Barrett Rd	Little Sheoak Rd	Yorke Hwy	3,807	P1	Intersection with Little Sheoak Road has give way, sight lines sufficient, vegetation trimming to south required, <b>priority unclear six ways, radii insufficient for some movements due to angles, 6-7m carriageway, some trees within 3m clear zone, stobes on northern side of road and some within clear zone, pavement good but some loose rocks on road, alignment reasonable has large horizontal curve, minor crest sight lines fine, intersection with Wild Dog Hill Road has give ways, sight lines insufficient from eastern side due to tall grass, radii insufficient will cross centreline, sufficient from western side, sight alignment and pavement very poor in this section, junction with Yorke Highway has give way, Yjunction, sight lines sufficient but very poor observation angle, radii insufficient for left in and right out due to angle (photo)</b>	3 - Major Intersection Upgrade	\$500,000

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.374	Beegoodye Wells Rd	Moore Dr	Twartz Rd	3,147	P4	7m carriageway, pavement good with minor corrugations and some loose material, vegetation up to edge, some trees in clear zone, width varies, alignment fine		
4.375	Beegoodye Wells Rd	Twartz Rd	Mirlacowie Rd	1,031	P1	Has priority at Mirlacowie Road, 7.8m carriageway, minor corrugations and some pot holes, vegetation up to edge, minor batter slope issues, loose material on surface, alignment light, <b>junction with Twartz Road has no give way and priority unclear, needs to be improved (photo)</b>	1 - Signage	\$1,000
4.376	Beegoodye Wells Rd	Mirlacowie Rd	Cockle Beach Rd	3,272	P4	Has priority with Cockle Beach road, issue previously described in that segment, 'walk the York' segment, 8m carriageway, vegetation along both edges and encroaching onto pavement, pavement good with minor corrugations, alignment fine, has priority at Mirlacowie Road		
4.377	Bennett Rd	Old Port Vincent Rd	Port Vincent Rd	2,130	P2	Intersection with Old Port Vincent Road has give ways, sight lines insufficient to east due to horizontal curve and vegetation, sufficient to west, radii insufficient will use full width, 6-7m carriageway, straight alignment with minor vertical curve some minor sight line issues, pavement poor in sections, vegetation up to edge and trees within 3m clear zone, intersection with Port Vincent Road has give ways, sight lines seem sufficient difficult to tell to east due to vertical curve, radii insufficient will cross full width	6 - Sight Distance and Junction Widening	\$50,000
25.125	Bertram Rd	Gun Club Rd	Bamboos Rd	2,061	P4	Has priority at Bamboos Road, 6.7m carriageway, pavement has pot holes, straight and flat, some vegetation up to edge on northern side, some isolated trees within 3m clear zone, pavement widens, has priority at Gun Club Road intersection		
37.751	Bertram Rd	Bamboos Rd	Conservation Dr	1,248	P1	Junction with Conservation Drive has no hazard board, sight lines insufficient due to vegetation, radii insufficient and cant do moves due to narrow widths, <b>sandy at junction, 3m wide carriageway (photo), 3m carriageway, pavement poor very corrugated, cant get off road as cut down, widens to 5m pavement poor, seems to have priority at Bamboos Road, no give way</b>	5 - Carriageway Widths	\$125,000
4.388	BHP Rd	Yorke Hwy	Stewies Rd	2,227	P1	Intersection with Stewies Road has give way, sight lines insufficient due to grass and road alignment, radii insufficient will need full width, <b>grass on pavement, width down to 3m but typically 6m, pavement has some rutting with water running down road, light alignment, horizontal and vertical alignment very poor, major sight line issues and road only 4m wide in these sections so high risk, some isolated trees in clear zone and branches encroaching, width varies, long steep descent to intersection with Yorke Highway, has give ways, sight lines sufficient to north, insufficient to south, radii insufficient unlikely to complete turns due to large culvert under road</b>	5 - Carriageway Widths	\$225,000
4.371	Birkin Rd	Jacobs Lane	Kainton Rd	3,910	P2	Intersection with Kainton Road has give way, poorly set up with large central island, sight lines poor due to vegetation, 7m carriageway, trees within 3m clear zone, light horizontal alignment, minor sight line issues due to vegetation, pavement fine, batter slope issues, has priority at Jacobs Lane	4 - Minor Intersection Upgrade	\$150,000
4.379	Birkin Rd	Yorke Hwy	Jacobs Lane	1,489	P3	6-7m carriageway, some bushes in clear zone, horizontal alignment is tight, pavement fine, junction with Yorke Highway has give way, sight lines sufficient, radii insufficient for some movements can cross centreline		
4.381	Bitner Rd	Yorke Hwy	Roolama Rd	3,086	P3	Has priority at Roolama Road, 7m carriageway, pavement has pot holes, trees within 3m clear zone, vegetation up to edge of pavement, straight alignment with vertical curves, sight lines sufficient, clear zone improves on eastern end, pavement good condition, intersection with Yorke Highway has give way, sight lines sufficient, has central grassy island which should be removed, radii insufficient for some movements		
4.382	Bitner Rd	Roolama Rd	Mount Rat Rd	4,747	P3	Junction with Mount Rat Road has give way and hazard board, sight lines sufficient, radii insufficient will cross centreline, straight alignment with minor vertical only, 7m carriageway, pavement good with minor pot holes only, trees within 3m clear zone, vegetation up to edges, intersection warning sign, has priority at Roolama Road		
4.355	Black Bobs Rd	Summer Track	Mount Rat Wells Rd	2,124	P4	Has priority at Summer Track intersection, 6-7m carriageway, straight alignment with some vertical, pavement good condition, some trees within 3m clear zone but generally outside, vegetation generally trimmed back to 6m in sections, has priority at Mount Rat Well Road intersection		
4.356	Black Bobs Rd	Mount Rat Wells Rd	Spencer Hwy	2,551	P3	Has priority at Mount Rat Well Road intersection, 5m carriageway, pavement good condition, some trees within 3m clear zone, some vegetation up to edge, straight alignment with minor vertical, intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline		
4.357	Black Bobs Rd	Spencer Hwy	Wauratiee Rd	3,750	P2	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 6-7m carriageway, pavement good condition, road cut down in sections so has hazard on edge, some vegetation up to edge, clear zone generally good but some trees within 3m clear zone, straight and generally flat alignment, narrows to 5m in sections, clear zone gets better, pavement good condition, intersection with Wauratiee Road has give way, five ways intersection, priority unclear on eastern side with other legs, sight lines to south insufficient due to vegetation and horizontal curve, sufficient to north, radii insufficient will cross centreline, left slip area formed too, needs to be formalised	6 - Sight Distance and Junction Widening	\$50,000
4.363	Black Bobs Rd	Yorke Valley Rd	North South Rd	2,008	P4	Has priority at Yorke Valley Road intersection, 7m carriageway, steep downhill to the intersection, pavement good condition, trees within 3m clear zone, vegetation trimmed back from edge but regrowing, large vertical curve sight line sufficient, another large vertical curve with sufficient sight lines some rutting where water running straight down road rather than off, needs to be shaped better, narrows to 6m in sections, intersection with North South Road has priority big dip		
4.378	Black Bobs Rd	Davies Rd	Summer Track	4,543	P3	Has priority at Davies Road intersection, 6-7m carriageway, pavement has been graded but still pot holes, trees within 3m clear zone, vegetation up to edge, straight alignment with minor vertical curves some with minor sight line issues, 6m in sections, clear zone gets better to the west, narrows to 5m in sections, has priority at Summer Track intersection		
4.380	Black Bobs Rd	Nnorth South Rd	Davies Rd	4,338	P4	Intersection with North South Road has priority, 6-7m carriageway, trees within 3m clear zone, vegetation up to edge, pavement corrugated, straight alignment with minor crests, sight lines generally fine, pavement gets better condition, 6m carriageway, has priority at Davies Road intersection		
4.383	Black Bobs Rd	St Vincent Hwy	Redding Rd	3,103	P2	Has priority at Redding Road junction, 6m carriageway, straight with some vertical curves with minor sight line issues, pavement good condition, clear zone generally good some trees within 3m clear zone, some vegetation encroaching onto pavement, pavement becomes very poor with major pot holes, junction with St Vincent Highway has hazard board, sight lines to north insufficient due to vertical curve, sufficient to south, radii insufficient will cross centreline	8 - Pavement	\$625,000
4.384	Black Bobs Rd	Redding Rd	Yorke Hwy	2,414	P3	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline, sealed throat, 6-7m carriageway, vegetation up to edge western end, trees within 3m clear zone, pavement good but has lots of pot holes, straight alignment, crest with minor sight lines issues, has priority at Redding Road junction		
4.385	Black Bobs Rd	Yorke Hwy	Piggery Corner Rd	2,712	P3	Intersection with Yorke Highway has give way, sight lines sufficient, poor angle should be squared up, radii insufficient will cross centreline, 6m carriageway, pavement good condition, vegetation up to edge, trees within 3m clear zone, widens to 7m carriageway, pavement good some isolated pot holes, straight alignment with minor vertical sight lines good, has priority at Piggery Corner Road		
4.386	Black Bobs Rd	Piggery Corner Rd	Yorke Valley Rd	1,469	P3	Has priority at Piggery Corner Road intersection, 5-7m carriageway width varies, pavement good condition, vegetation up to edge and encroaching onto pavement, trees within 3m clear zone, straight alignment with minor vertical, sight lines sufficient, has priority at Yorke Valley Highway		
4.358	Black Gate Rd	St Vincent Hwy	Windmill Rd	2,614	P1	(Photo) Intersection with St Vincent Hwy - <b>Very acute angle differential access to/from Hwy via Old Saltworks Rd, has give way sign, sight lines insufficient - particularly for right in from the highway looking across oncoming Hwy lane with little sight - HIGH risk for a long vehicle with lengthened clearance time making this movement. Additionally, poor observation angle for left or right out - unsafe. Radius insufficient right out / left in turns not able to be made on pavement (could use Old Saltworks Rd instead) - has this turn.</b> Mid-block - 6 to 8m pavement width, pavement surface good, some loose gravel and some weed growth in pavement at edges, numerous horizontal curves without delineation or curve widening - sight lines sufficient other than one (limited by vegetation), isolated trees within 3m clear zone. Within segment intersection with Old Saltworks Rd - Black Gate Rd has priority, has crossroad warning signs. Intersection with Windmill Rd - Black Gate Rd has priority.	7 - Major Intersection Widening	\$100,000
4.359	Black Gate Rd	Windmill Rd	Waterloo Bay Rd	3,352	P3	Intersection with Waterloo Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width. Crest on approach to intersection restricting sight lines. Advance warning give way sign provided. Mid-block - 7m pavement width, pavement surface ok, some loose gravel, trees within 3m clear zone. Some grass in the pavement at edge. Numerous sharp crests with insufficient sight lines, some horizontal curves with no delineation or curve widening with insufficient sight lines. Intersection with Windmill Rd - Black Gate Rd has priority.		
4.360	Black Gate Rd	Waterloo Bay Rd	McEacherns Beach Rd	3,520	P3	Intersection with McEacherns Beach Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over centreline. Mid-block - 6m pavement width, pavement surface ok, some loose gravel and weed growth within pavement edge, trees within 3m clear zone. Some horizontal and vertical curves with no delineation or curve widening, sight lines sufficient. Within segment intersection with Lake Fowler Rd - Black Gate Rd has priority, has crossroad warning signs. Intersection with Waterloo Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4.370	Black Hill Rd	Gypsum Pt Rd	Diamond Lake Rd	4,269	P2	(Photo) Intersection with Gypsum Pt Rd (Intersection is with New Horizon Rd, Gypsum Pt Rd is the staggered T continuation of Black Hill Rd) - Has give way sign, sight lines sufficient, radius insufficient, vehicle will cross centre line. Mid-block - 8m pavement width at northern end, to 7m at southern end, pavement surface good, some trees within 3m clear zone, some vegetation growing in pavement at edges. Intersection with Diamond Lake Rd - Has give way sign (faded), Sight lines are insufficient due to being on inside of horizontal curve, on crest and vegetation (both sides), radius insufficient, vehicle will use full width of pavement and possibly track off of pavement. Shoulders along alignment within 3m clear zone and some isolated trees also. Runs to property access, 7 to 8m pavement width. Pavement surface good, some grass growing in pavement edge. Intersection with St Vincent Hwy - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over full pavement width.	7 - Major Intersection Widening	\$100,000
4.362	Black Hope Ranch Rd (Yorketown)	St Vincent Hwy	End (at farm house)	712	P3	Intersection with St Vincent Hwy - Has give way sign (faded), Sight lines are insufficient due to being on inside of horizontal curve, on crest and vegetation (both sides), radius insufficient, vehicle will use full width of pavement and possibly track off of pavement. Shoulders along alignment within 3m clear zone and some isolated trees also. Runs to property access, 7 to 8m pavement width. Pavement surface good, some grass growing in pavement edge.		
4.354	Black Swamp Rd	Yorke Hwy	Cook Rd	3,586	P1	Has priority at Cook Road, 7m carriageway, alignment is good, pavement good condition, some trees within 3m clear zone, more trees further on, junction with Yorke Highway has give way, X junction with left slip leg and large island, sight lines sufficient, radii insufficient due to angle, need to square up	3 - Major Intersection Upgrade	\$500,000
4.364	Black Swamp Rd	Cook Rd	Hill Rd	2,866	P4	Has priority at Hill Road, 7m carriageway, pavement good, trees outside 3m clear zone, then gone all together, alignment fine, has priority at Cook Road		

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.365	Boothill Station Rd	Lake Sunday Rd	St Vincent Hwy	1,392	P3	Intersection with St Vincent Hwy - sight lines sufficient, radius insufficient, vehicle will track over full pavement width. Mid-block - 6 to 7m pavement width, pavement surface ok, some minor corrugation, trees within 3m clear zone, horizontal curves with no delineation or widening, sight lines sufficient. Intersection with Lake Sunday Rd - Has give way sign (faded), acute intersection angle, sight lines sufficient but observation poor, radius insufficient, left out right in movements not possible without tracking off pavement and may not be physically possible.		
4.366	Boothill Station Rd	St Vincent Hwy	Waterloo Bay Rd	2,139	P3	Intersection with St Vincent Hwy - sight lines sufficient, radius insufficient, vehicle will track over full pavement width. Mid-block - 7 to 8m pavement width, pavement surface ok, some minor corrugation, trees within 3m clear zone, horizontal curves with no delineation or widening, sight lines sufficient, some grass growth in pavement edge. Intersection with Waterloo Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over full pavement width.		
4.367	Boothill Station Rd	Pink Lake Rd	Lake Fowler Rd	3,030	P4	Intersection with Lake Fowler Rd - Boothill Station Rd has priority, has crossroad warning signs. Mid-block - 7 to 8m pavement width, pavement surface good, horizontal curve through a crest, no delineation or widening and sight lines insufficient through curve due to crest. Isolated trees within 3m clear zone, some at edge of pavement. Small reverse curve with no delineation or curve widening, sight lines ok. On approach to Pink Lake Rd horizontal curve with 1-2m drop off on outside of the curve. No widening (7m pavement width) but guide posts provided. Pink Lake Rd - Boothill Station Rd has priority.		
4.368	Boothill Station Rd	Lake Fowler Rd	New Honiton Rd	3,813	P3	Intersection with New Honiton Rd - Has give way sign. Sight lines sufficient, radius insufficient, vehicle will use full pavement width. Mid-block - 6 to 7m pavement width. Lots of trees within 3m clear zone, many close to pavement edge, tree branches have recently been trimmed / broken back so as to not encroach into the traffic lane. Reasonable horizontal curve just past a crest. Curve warning signage provided and guide posts on outside of curve (guide posts no longer reflective). Intersection with Lake Fowler Rd - Boothill Station Rd has priority, has crossroad warning signs.		
4.369	Boothill Station Rd	New Honiton Rd	Diamond Lake Rd	2,657	P3	Intersection with Diamond Lake Rd - Boothill Station Rd has priority. Mid-block - 7 to 8m pavement width, pavement surface average, reasonable level of corrugation. Horizontal curves with no delineation or curve widening, reasonable sight lines through curves. Intersection with New Honiton Rd - Has give way sign. Sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4.252	Borlace Rd	Yarrol Rd	Copper Coast Hwy	3,127	P2	Has priority onto Yarrol Road, 7-8m carriageway, pavement has significant corrugations, alignment has light horizontal curves, some grass growing on pavement edges, no curve widening, give way at Sapphire Road, sight lines insufficient to south, north sufficient, radii insufficient to wide enough for some movements, junction with Copper Coast Highway has give ways, sight lines sufficient, radii sufficient, segment slightly longer than on here	8 - Pavement	\$630,000
4.303	Borlace Rd	Yorke Hwy	Yarrol Rd	3,912	P2	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will need full width but open and can see in easily, 5-7m carriageway, 90 degree horizontal curves, can see around as no vegetation, pavement has minor pot holes, pavement very soft in section, vegetation growing on edges of pavement, clear zone is good, junction with Yarrol Road has no hazard board, sight lines to left insufficient, right sufficient, radii insufficient will need full width and just make turn	8 - Pavement	\$785,000
4.270	Boundary Rd (Gum Flat Ward)	Brook Rd	Powerline Rd	4,170	P3	Has priority at Powerline Road, 6-7m carriageway, straight alignment with some vertical curves, pavement average has some corrugations and pot holes, trees generally outside 3m clear zone but some inside, lots of vegetation up to edge of pavement in sections, sight lines sufficient, has priority at Brook Road		
4.271	Boundary Rd (Gum Flat Ward)	Powerline Rd	Yorke Hwy	1,815	P2	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline due to angle, 6m carriageway, trees within 3m clear zone, pavement good quality, straight and full alignment, has priority at Powerline Road	6 - Sight Distance and Junction Widening	\$50,000
4.272	Boundary Rd (Gum Flat Ward)	Yorke Hwy	Poriky Rd	3,058	P3	Intersection with Yorke Highway has give way, sight lines sufficient, small central island but can drive over, radii sufficient, 5-6m carriageway, straight alignment with long uphill section, pavement generally good but some sections where it damaged due to water running across road, need to improve road shape, widens to 7m, pavement good, has priority at Poriky Road intersection		
4.273	Boundary Rd (Gum Flat Ward)	Poriky Rd	Davies Rd	4,021	P3	Has priority at Poriky Road intersection, 6-7m carriageway, trees within 3m clear zone, straight alignment with vertical curves, pavement poor with some pot holes and corrugations, narrows to 5m, width varies, has priority at Davies Road straight on		
4.321	Boundary Rd (Gum Flat Ward)	St Vincent Hwy	Brook Rd	1,867	P2	Has priority at Brook Road, 6m carriageway, downhill section of pavement poorly shaped and water runs down causing rutting, vegetation up to edge in sections, straight alignment with some vertical curves, junction with St Vincent Highway has hazard board and sealed throat, sight lines sufficient, light to north, radii insufficient will cross centreline	8 - Pavement	\$375,000
25.129	Boundary Rd (Gum Flat Ward)	Davies Rd	Sparrow Rd	3,835	P1	Should have priority straight on at Davies Road. <b>4m carriageway</b> , typically 4-5m wide, straight alignment with some vertical, trees up to edge, pavement average quality, can see a long way forward and get off road in some sections, <b>further on becomes one lane track with grass down middle</b> (Photo) pavement poor condition, junction with Sparrow Road has give way and hazard board, sight lines insufficient to south due to vegetation, sufficient to north, radii insufficient for movements due to narrow width	5 - Carriageway Widths	\$385,000
4.274	Boundary Rd (Innes Penton-Vale Ward)	Old Saltworks Rd	Cartwright Rd	3,488	P2	Junction with Cartwright Road basically just horizontal curve onto it, priority unclear needs to be improved, 6m carriageway, pavement very poor in sections, some trees within 3m clear zone, branches encroaching onto pavement, grass growing on pavement in sections, alignment reasonable light horizontal curve sight lines sufficient, barely any pavement, junction with Old Saltworks Road needs hazard board, sight lines sufficient to east, insufficient to west due to vertical curve, radii insufficient will use full width	8 - Pavement	\$700,000
4.268	Bowden Rd (Gum Flat Ward)	Harry Butler Rd	Croser Rd	2,704	P2	Has priority at Croser Road, 6-7m carriageway, vegetation along both edges, some encroaching onto pavement, trees within 3m clear zone, pavement average, light alignment with minor sight line issues, width varies between 5-6m, pavement average has drainage issues on uphill section with water running down road, poor alignment in segments, intersection with Harry Butler Road has give way, sight lines sufficient, radii insufficient will need full width	8 - Pavement	\$545,000
4.276	Bowden Rd (Gum Flat Ward)	Yorke Hwy	Harry Butler Rd	2,405	P2	Intersection with Harry Butler Road has give way, sight lines sufficient, radii insufficient will use full width, 5-6m carriageway, straight alignment with minor vertical crest, road widens well cut down, isolated trees within 3m clear zone, give way at Yorke Highway junction, confusing on priority as Jacka Road leg on same side, needs to be improved, has central island, sign lines along Yorke Highway sufficient to north, insufficient to south due to horizontal curve, radii insufficient due to island	4 - Minor Intersection Upgrade	\$150,000
4.278	Bowden Rd (Gum Flat Ward)	Croser Rd	Roberts Hwy	4,004	P3	Intersection with Roberts Highway has give way, sight lines sufficient, radii insufficient will need full pavement width, 6-7m carriageway, vegetation up to edge and encroaching onto pavement, trees within 3m clear zone, light alignment but reasonable, pavement poor lots of pot holes, has priority at Croser Road intersection		
4.279	Bowden Rd (Gum Flat Ward)	Roberts Hwy	Weavers North Rd	3,085	P3	Intersection with Weavers North Road has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, clear zone generally good with row of trees more than 3m back, pavement poor with pot holes, alignment is fine, intersection with Roberts Highway has give way, sight lines sufficient, radii insufficient will need full width		
4.280	Bowden Rd (Gum Flat Ward)	Weavers North Rd	Miniaton Rd	1,932	P2	Junction with Miniaton Road needs hazard board, sight lines insufficient to west due to horizontal curve, sufficient to east, radii insufficient for left out due to angles, has give way, 7m carriageway, alignment fine, clear zone good except for short section with trees, pavement fine, intersection with Weavers North Road has give ways, sight lines sufficient, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000
4.284	Bowden Rd (Kakabury Ward)	Arthurton Rd	Lakes Rd	4,283	P2	Junction with Lakes Road has give way, sight lines to south insufficient due to vertical curve, sufficient to north, radii insufficient will use full width, 5m carriageway which widens in sections, trees within 3m clear zone, some vegetation encroaching, pavement good condition, poor alignment but sight lines generally sufficient, intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient will likely cross centreline	5 - Carriageway Widths	\$430,000
4.281	Bowey Rd	Coconut Rd	Upper Yorke Rd	1,228	P3	Junction with Upper Yorke Road has no hazard board, sight lines sufficient, radii insufficient for some movements, can use full width, 6m carriageway, some trees and vegetation within 3m clear zone, pavement fine, light horizontal curve with sight line issues due to vegetation on inside, stone poles 5m back, intersection with Coconut Rd has give ways, sight lines to east insufficient due to vegetation, west sufficient, radii insufficient will need full width		
4.260	Brentwood Rd	Savage Hut Rd	Weavers Rd	4,543	P3	Intersection with Savage Hut Rd - Brentwood Rd has priority, crossroad warning sign present. Mid-block - 8m pavement width, pavement surface average, some corrugation, some wash out of fines, some grass growing within the pavement edge, trees within 3m clear zone Intersection with Weavers Rd - Has give way sign (faded), 6 leg intersection, sight lines sufficient, unclear who has priority between 2 minor legs, radius insufficient, vehicle will track over centreline.		
4.282	Brentwood Rd	Harry Butler Rd	Rabbit Corner Rd	3,862	P4	Intersection with Rabbit Corner Rd - Brentwood Rd has priority. Mid-block - 7m pavement width eastern end, down to 6m at western end, pavement surface fair, some corrugation, some grass within pavement edge, trees within 3m clear zone, some at edge of pavement. Horizontal curves with no delineation and limited sight lines. Intersection with Harry Butler Rd - Advance warning and give way signs present, sight lines sufficient and radius appears sufficient.		
4.283	Brentwood Rd	Rabbit Corner Rd	Savage Hut Rd	3,544	P4	Intersection with Rabbit Corner Rd - Brentwood Rd has priority. Mid-block - 7m pavement width, widens to 8m eastern end, pavement surface average, some reasonable corrugation at western end, good at eastern end. Trees within 3m clear zone, some at edge of pavement. Horizontal curves with no delineation and limited sight lines. Within segment intersection with Bublacowie Rd - Brentwood Rd has priority, crossroad warning sign present. Intersection with Savage Hut Rd - Brentwood Rd has priority, crossroad warning sign present.		
4.258	Breona Rd	Thiepval Rd	End (at farm house)	1,380	P3	Road continues past farmhouse, 6-7m carriageway, trees within 3m clear zone, vegetation encroaching onto both sides of pavement, alignment fine, pavement reasonable has minor corrugations, some stables, junction with Thiepval Rd has no hazard board, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will use full width		
4.253	Bridge Rd	Poolawana Rd	Wallyalla Rd	1,751	P2	Has priority at Poolawana Road, 6-7m carriageway, grass growing on edges, alignment good, trees within 3m clear zone, pavement good quality, give way at Wallyalla Road intersection, sight lines insufficient due to vegetation needs trimming, radii insufficient need to use full width	6 - Sight Distance and Junction Widening	\$50,000
4.254	Bridge Rd	Wallyalla Rd	Kainton Rd	2,184	P3	Intersection with Wallyalla Road has give way, sight lines sufficient, radii insufficient will need full width, 8m carriageway, trees within 3m clear zone, straight alignment with vertical curve, steep downgrade to Kainton Road junction, large built up creek crossing before junction, has give way, sight lines sufficient, radii insufficient will cross centreline but reasonable		
4.275	Bridge Rd	Upper Yorke Rd	Poolawana Rd	2,161	P1	Intersection with Upper Yorke Highway has give way, <b>Y-junction with poor angle, observation angles poor, radii insufficient for some movements due to angles</b> , sight lines insufficient in both directions due to horizontal curves in road, 6-7m carriageway, some grass growing on edges of pavement, some trees within 3m clear zone, pavement good, has priority at Poolawana Road	3 - Major Intersection Upgrade	\$500,000

Yorke Peninsula Council

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.255	Bridge Rd (Edinburgh)	St Vincent Hwy (Nth)	St Vincent Hwy (Sth)	2,626	P1	Junction with St Vincent Highway North has give way, in 80 zone. Yjunction, sight lines sufficient but observation angle very poor, radii insufficient for left in and right out due to angles not possible and need to be banned, other movement fine, junction needs to be squared up, 6.7m carriageway pavement poor with corrugations and pot holes, alignment poor with horizontal and vertical curves with minor sight line issues, vegetation up to edge, clear zone generally good, slopes outside 3m, intersection with St Vincent Highway South has give ways, sight lines sufficient, radii insufficient may cross centreline	3 - Major Intersection Upgrade	\$500,000
4.256	Bridgman Rd	Clinton Rd	Maitland Rd	2,271	P3	Intersection with Clinton Road has give way, no hazard board, angle poor, sight lines sufficient, radii insufficient, dry weather only road sign, trees within 3m clear zone up to edge, 6m carriageway, straight and flat, pavement has soft spots, narrow to 5m then widens again, intersection with Maitland Road has give ways, sight lines sufficient, radii insufficient, may just cross centreline on Bridgman Road		
4.257	Bridgman Rd	Maitland Rd	Pine Point Rd	1,467	P3	Intersection with Maitland Road has give way, sight lines sufficient, radii insufficient, 6.7m carriageway, pavement poor with lots of large pot holes, vegetation up to edge of road, some trees within clear zone, straight alignment, minor drainage issues, intersection with Pine Point Road has give way, angle poor, sight lines sufficient, radii insufficient for left turn in will cross centreline, other movements good		
37.746	Bridgman Rd	Pine Point Rd	Francis Rd	4,123	P2	Intersection with Pine Point Road has give way, poor angle, sight lines sufficient, radii insufficient will use full width, left in not possible due to angles, 4.5m carriageway, vegetation up to edge, trees within 3m clear zone, pavement very poor with large soft spots from poor drainage, width varies typically 5m, clay pavement, alignment reasonable, intersection with Francis Road has give way, sight lines sufficient to east, insufficient to west due to vegetation needs trimming, radii insufficient will need full width	5 - Carriageway Widths	\$415,000
4.267	Brook Rd	Ross Rd	Boundary Rd	1,676	P2	Junction with Ross Road has give way, needs hazard board, sight lines insufficient to west due to vegetation and vertical curve, sufficient to east, radii insufficient will need full width, 5.6m carriageway, grass growing on edge of pavement, pavement poor, some trees within 3m clear zone, straight alignment with some vertical, intersection with Boundary Road has give way, sight lines sufficient, radii insufficient some moves not possible	8 - Pavement	\$340,000
25.130	Brook Rd	Boundary Rd	Twelve Mile Rd	3,257	P1	Intersection with Boundary Road has give way, sight lines sufficient, radii insufficient some movements not possible, one lane track, grass down middle (photo), poor alignment, trees in clear zone, pavement poor, tall grass down middle of track, not a B Double route, impassable for a truck, junction with Twelve Mile Road has give way, sight lines sufficient, radii insufficient	8 - Pavement	\$655,000
4.251	Broster Rd	McCauley Rd	Clinton Rd	2,533	P3	Intersection with Clinton Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, straight and flat, vegetation encroaching onto pavement needs trimming, trees within 3m clear zone, lots of pot holes in pavement, has priority at McCauley Road		
4.259	Broster Rd	Upper Yorke Rd	McCauley Rd	4,907	P2	Has priority at McCauley Road, 7m carriageway, straight and flat to start with, trees along both edges, vegetation up to edge and encroaching onto pavement, pavement good condition, minor pot holes, long vertical curve, sight lines fine, lots of pot holes in pavement, intersection with Upper Yorke Highway has give way, Yjunction, sight lines sufficient but poor observation angle, been done up recently but should have been squared up, radii insufficient for left out and right in due to angle, other movements fine	3 - Major Intersection Upgrade	\$500,000
4.308	Bull Ant Rd	Spencer Hwy	Weetulla Tank Rd	3,150	P2	Junction with Weetulla Tank Road has no give way, major central grassed island, sight lines to north insufficient due to vegetation and alignment, sufficient to south, radii insufficient for some movements due to island, needs to be removed, 5.6m carriageway, straight with minor crests some have minor sight line issues, vegetation up to edge and encroaching, trees within 3m clear zone, pavement good condition, intersection with Spencer Highway has give way, sight lines sufficient, has left slip, radii insufficient due to slip and small island	4 - Minor Intersection Upgrade	\$150,000
25.131	Bush Rd	Airstrip Rd	Standpipe Rd	4,501	P1	Intersection with Standpipe Road has no give way, sight lines insufficient due to vegetation, radii insufficient and too narrow to turn into Bush Road, 3m wide track, grass down middle, alignment very poor, major sight lines issues, pavement very poor, not a B Double road, intersection with Airstrip Road has no give way, sight lines sufficient, radii insufficient	8 - Pavement	\$905,000
25.133	Bushes Rd	Bamboos Rd	Coast	1,964	P1	Coast end is one lane track with grass down middle (photo), poor alignment, pavement very poor and sandy, widens after 500m to 3.4m, pavement very poor, alignment fine, clear zone good, intersection with Bamboos Road has give way, sight lines sufficient, radii insufficient due to roads width may not be able to complete on pavement	8 - Pavement	\$395,000
4.302	Bussenschutt Rd	Schilling Rd	Upper Yorke Rd	3,231	P3	Has priority at Schilling Road, 8m carriageway, trees and vegetation up to edge, pavement good condition, alignment good, vegetation growing in pavement edges, need to turn onto Kainton Road which has poor angles and sight lines tight due to this, give way with Upper Yorke Road, sight lines sufficient, radii insufficient will cross road		
4.310	Bussenschutt Rd	Adams Rd	Schilling Rd	3,144	P4	Has priority at Adams Road, 8m carriageway, pavement has some pot holes, vegetation and trees up to edge, alignment fine, has priority at Schilling Road		
4.319	Bussenschutt Rd	Holman Rd	Adams Rd	2,344	P4	Has priority at Holman Road, 10m wide carriageway, narrow to 8m in sections, pavement has some pot holes, alignment fine, trees within 3m clear zone, vegetation up to edge and encroaching onto pavement, has priority at Adams Road		
4.312	Butler Rd	Spencer Hwy	The Gunbarrel Rd	3,108	P3	Has priority at The Gunbarrel Road, 7.6m carriageway, straight alignment, with some vertical curves, trees within 3m clear zone, pavement poor in sections, pavement good condition, advanced give way sign, intersection with Spencer Highway has give way sign, sight lines sufficient, light to north, radii insufficient will cross centreline		
4.313	Butler Rd	The Gunbarrel Rd	Sparrow Rd	2,276	P4	Has priority at Sparrow Road, 7m carriageway, trees within 3m clear zone, along edge of pavement, pavement reasonable has some loose material, straight alignment, widens to 8m carriageway, good alignment, has priority at The Gunbarrel Road		
4.314	Butler Rd	Sparrow Rd	Moorat Rd	2,886	P3	Junction with Moorat Road has give way and hazard board, sight lines sufficient, radii insufficient would cross centreline, 7.6m carriageway, some vegetation up to edge, pavement good quality, long upgrade may cause braking issues when travelling downhill for heavy vehicles, some loose material on pavement, trees within 3m clear zone, has give way at Sparrow Road		
4.315	Button Rd	Mintaton Rd	Old Port Vincent Rd	2,307	P3	Intersection with Mintaton Road has give ways, sight lines sufficient, radii insufficient due to angles will use full width, 7m carriageway, straight with minor vertical curves sight lines sufficient, vegetation up to edge, trees within 3m clear zone, pavement good condition with minor corrugations, intersection with Old Port Vincent Road has give ways, sight lines sufficient will use full width		
4.316	Cadd Rd	Weetulla Tank Rd	Arthurton Rd	3,617	P2	Junction with Arthurton Road has give way, sight lines sufficient, radii insufficient for some movements will cross full width, 7m carriageway, trees within 3m clear zone, pavement condition is poor, drainage issues, road out down, alignment fine, width varies, lots of pot holes, intersection with Weetulla Tank Road has give way, sight lines insufficient due to vertical curves, radii insufficient will need full width	8 - Pavement	\$725,000
4.317	Cane Rd	Yorke Hwy	Kenny Rd	3,448	P3	Junction with Yorke Highway needs hazard board, sight lines good, central grassy island (photo) with headwind in island, radii insufficient for some movements due to island, 6m wide at the start, light horizontal curve, narrow to 4.5m wide, small trees within 3m clear zone, some corrugations in pavement, tall grass up to edge, some pot holes, alignment fine, intersection with Kenny Road has give way, sight lines sufficient, radii insufficient can use full width open sight lines		
4.284	Cant Rd	White Hut Rd	Yellowoowie Rd	5,569	P2	Intersection with White Hut Road has give way, poor angle between roads, needs to be squared up, sight lines sufficient but observation angle poor, radii insufficient for left out and right in, other movements reasonable, needs to be squared up, 6.7m carriageway, clear zone generally good but large pile of rocks within it, horizontal curves but sight lines sufficient, pavement poor in patches, has lots of vertical curves with minor sight line issues over crests, pavement poor, more trees in clear zone now, has priority onto Yellowoowie Road	8 - Pavement	\$1,115,000
25.134	Cant Rd	Corny Point Rd	White Hut Rd	2,958	P2	Intersection with Corny Point Road has give way, five ways, priority confusing with Onte Cowie Road onto Corny Point Road, needs to be formalised, leads to poor angle with Corny Point Road, sight lines insufficient to east due to horizontal curve and vegetation, sufficient to west, radii insufficient due to angle, 5.6m carriageway, trees within 3m clear zone, pavement poor condition, straight alignment with minor vertical, intersection with White Hut Road has give way, poor angle between roads should be squared up, sight lines sufficient, radii insufficient for left out and right in need to be banned, other movements reasonable	2 - Alignment and Signage	\$150,000
25.135	Cape Yorke Rd	South Coast Rd	Foul Bay Rd	2,185	P1	Junction with South Coast Road has give way, Yjunction set up, sight lines sufficient but observation angle poor, radii insufficient for left in and right out due to angle, needs to be squared up, 5.7m carriageway, trees generally outside 3m clear zone, alignment tight but reasonable, pavement very poor with sand, junction with Foul Bay Road has give way, sight lines insufficient to south major issue, insufficient to north, radii insufficient may not be able to complete as too narrow (photo)	3 - Major Intersection Upgrade	\$250,000
25.136	Cape Yorke Rd	Foul Bay Rd	Happy Valley Rd	2,848	P1	Does not exist from Foul Bay Road end		
4.309	Carbery Rd	Watson Beach Rd	Bluff Rd	3,845	P2	Intersection with Bluff Road has give ways, sight lines sufficient, radii insufficient will need full width, 7m carriageway, some bushes up to edge, pavement reasonable, odd trees within clear zone, straight alignment, minor vertical curves, horizontal curve at southern end has minor sight line issues, intersection with Watson Beach Road has give ways, major sight lines issues, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
4.311	Carbery Rd	Cockle Beach Rd	Watson Beach Rd	2,685	P2	Intersection with Watson Beach Road has give ways, sight lines sufficient, radii insufficient for some movements, 6m carriageway, vegetation up to edge, trees within 3m clear zone, pavement sandy and poor, horizontal curves with major sight line issues, pavement corrugated, intersection with Cockle Beach Road has give ways, sight lines sufficient, radii insufficient will need full road width	8 - Pavement	\$540,000
4.286	Cartwright Rd	Boundary Rd	Sturt Bay Rd	4,196	P1	Intersection with Sturt Bay Road has give way, sight lines to north insufficient due to vertical curve, sufficient to south, radii insufficient will cross centreline, 6.7m carriageway, pavement reasonable, vegetation up to edge, some trees within 3m clear zone, rocks along edge of pavement, straight alignment with vertical curves, narrow to 6m over crest, pavement has some large pot holes, intersection with Tuckokowee Road has give ways, major sight line issues from western side due to horizontal curve and vegetation, radii insufficient will need full width, from western side sight lines sufficient to north still insufficient to south, 7m carriageway, straight, clear zone good, pavement good, junction with Boundary Road poorly set up with grass in middle, sight lines sufficient radii insufficient, needs to be formalised, (photo)	4 - Minor Intersection Upgrade	\$150,000
4.287	Cartwright Rd	Sturt Bay Rd	Dead end	3,841	P2	Dead end, 5.6m wide carriageway, straight alignment, width varies, vertical curves with minor sight line issues, clear zone good but then vegetation up to edge and some trees within 3m clear zone, pavement poor, some rutting, lots of pot holes, intersection with Sturt Bay Road has give ways, sight lines insufficient to north due to vertical curve, sufficient to south, radii insufficient will cross centreline	8 - Pavement	\$770,000
4.288	Causeway Rd (Edinburgh)	Bridge Rd	Parrington St	275	P1	Causeway just past this section, 4.5m seal with no line marking, steel poles on side, 30kmh speed zone, road becomes unsealed 6m wide, vegetation up to edge, no give way at Bridge Street intersection, sight lines insufficient to right, major issues, sufficient to left, radii insufficient will use full width, not suitable for B Doubles	7 - Major Intersection Widening	\$100,000
4.293	Cemetery Rd (Brentwood)	Anderson Rd	Culfine Rd	2,455	P1	Junction with Culfine Road has give way, needs hazard board, sight lines sufficient, 6m vegetation to east to improve, radii insufficient will cross centreline, 6.7m carriageway, some sight curves at the start, straightens out, some isolated trees within the clear zone, some vegetation encroaching, pavement average, intersection with Anderson Road has give way, Yjunction with poor angle, sight lines sufficient but observation angle poor, radii insufficient for some movements due to angle	3 - Major Intersection Upgrade	\$250,000
4.289	Cemetery Rd (Curramulka)	Dans Rd	Mulburra Park Rd	2,881	P1	Junction with Dans Road has give way, Yjunction, (photo), sight lines sufficient, poor observation angle, radii insufficient for some movements, danger of not giving way, needs to be squared up, 6m carriageway, pavement good, clear zone good, straight alignment with vertical, pavement has some large pot holes, intersection with Mulburra Park Road has give ways, sight lines sufficient, radii insufficient will use full width but open	3 - Major Intersection Upgrade	\$250,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,290	Cemetery Rd (Curramulka)	Mulburra Park Rd	Sheak Flat Rd	2,385	P2	Intersection with Mulburra Park Road has give way, sight lines sufficient, radii insufficient will use full width, 7-8m carriageway, pavement good but corrugated, straight alignment with some vertical sight lines fine, clear zone generally good with trees 3m from edge, some inside, intersection with Sheak Flat Road has give way, sight lines sufficient to west but poor observation angle, insufficient to east due to vegetation, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,291	Cemetery Rd (Curramulka)	Sheak Flat Rd	Micky Flat Rd	2,641	P1	Intersection with Sheak Flat Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, some trees in 3m clear zone, straight alignment with vertical curve, sight lines fine, pavement good, narrows to 6m, minor batter drop off on eastern side, intersection with Micky Flat Road has give way, sight lines to west insufficient with major issues due to angle and vegetation, sufficient to east, radii insufficient will need full width (photo)	7 - Major Intersection Widening	\$100,000
4,301	Cemetery Rd (Curramulka)	Micky Flat Rd	Yorke Hwy	2,231	P2	Intersection with Micky Flat Road has give way, sight lines sufficient, radii insufficient for left out, other movements good, 7m carriageway, straight alignment with some vertical, pavement good condition, clear zone generally good but some trees within 3m, intersection with Yorke Highway has give way, priority confining with Twelve Mile Road, six ways intersection, sight lines along Yorke Highway sufficient, radii sufficient, need to improve layout	2 - Alignment and Signage	\$150,000
4,285	Cemetery Rd	Main St	Cemetery Rd	2,412	P3	Has priority at Cemetery Road, horizontal curve through intersection, 8m carriageway, pavement good condition some loose material, some trees within 3m clear zone but generally good, horizontal curves reasonable, minor sight line issues, seems to go up to 50km/h signs	3 - Major Intersection Upgrade	\$250,000
25,137	Chapman Rd	Nalayappa Rd	Coast	4,268	P1	Junction with Nalayappa Road has give way, is a Y-junction with poor angles and slip leg, sight lines to north insufficient very short due to horizontal curve, to south sufficient but poor observation angle, radii insufficient for left in and right out need to be banned, other movements sufficient due to angle, 7m carriageway, pavement corrugated, trees within 3m clear zone, vegetation encroaching onto pavement, vertical curves with minor sight line issues, pavement rough in sections, road cut down with embankments on edges of road, sand on pavement, has priority at Barnes Road intersection, 'no entry' and gates over road just after, seems Chapman Rd actually extends to west, 7m carriageway, pavement very poor, vegetation on southern side of road, leads to dead end	3 - Major Intersection Upgrade	\$250,000
4,372	Clasohm Rd	Balgowan Rd	2.2km N of Balgowan Rd	2,205	P3	Intersection with Balgowan Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, pavement good condition, trees within 3m clear zone, branches encroaching, straight alignment, minor vertical		
4,477	Clasohm Rd	2.2km N of Balgowan Rd	Old Boundary Rd	4,153	P3	6m carriageway, trees within 3m clear zone, pavement good condition, straight alignment, some vegetation growing on pavement edges, minor vertical, clear zone improves, junction with Old Boundary Road has hazard board, sight lines sufficient, vegetation needs to be trimmed to west for future, radii insufficient will use full width		
4,478	Cliff Fam Rd	St Vincent Hwy	Rocky Waterhole Rd	2,577	P3	Junction with Rocky Waterhole Road has old style hazard board, sight lines sufficient, radii insufficient will use full road width, 6m carriageway, some vegetation encroaching onto pavement, straight and flat alignment, width varies, pavement good quality, give way at junction with Beachcroft Road, sight lines sufficient, radii insufficient will need full width, then onto St Vincent Highway which has sufficient sight lines and sufficient radii		
7,604	Clinton Rd	Arthurton Rd	Bowman Tee	489	P2	Has priority at Bowman Terrace, 9m seal, straight into school zone with flags out, intersection with Arthurton Road? Has give way, sight lines sufficient, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
7,953	Clinton Rd	Bowman Tee	Shannon Tee	562	P3	Has priority at Shannon Terrace, 9m kerb to kerb with centreline, houses, straight with uphill grade, pavement good, clear zone is good, has priority at Bowman Terrace, light horizontal curve, may cross centreline		
4,460	Cookie Beach Rd	Yorke Hwy	Tilbrook Rd	3,380	P3	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient for left in, other movements fine, 6m carriageway, straight alignment, trees within 3m clear zone, pavement average quality, has priority at Tilbrook Road		
4,461	Cookie Beach Rd	Tilbrook Rd	Mount Terrible Rd	2,497	P3	Has priority at Tilbrook Road, 6m carriageway, some grass growing on edges of pavement, pavement rough and corrugated, light alignment with horizontal curves sight lines reasonable, vegetation up to edge, some trees within 3m clear zone, has priority at Mount Terrible Road intersection		
4,462	Cookie Beach Rd	Mount Terrible Rd	Beegoodys Wells Rd	3,154	P2	Has priority at Mount Terrible Road intersection, 7-8m carriageway, pavement corrugated in sections some loose material on surface, some vegetation up to edges, isolated trees within clear zone, alignment good, just 90 degree horizontal curve into Beegoodys Wells Road with major sight line issues and no widening	6 - Sight Distance and Junction Widening	\$50,000
4,463	Coconut Rd	Upper Yorke Hwy	Holman Rd	1,719	P1	Junction with Upper Yorke Highway has give way, two legs with large central island, poor angles, major sight line issues, radii insufficient for some movements, this needs an upgrade, (photo), 7m carriageway, some grass growing on pavement edges, clear zone is good, pavement good quality, short sealed section past house very poor quality with major pot holes, trees start on southern side of road branches up to edge of road, has priority at Holman Road	4 - Minor Intersection Upgrade	\$150,000
4,458	Cook Rd (Kalkabury Ward)	Dowlingville Start Rd	Yorke Hwy	2,905	P2	Intersection with Dowlingville Start Road has give way, sight lines insufficient due to vegetation and angles, radii insufficient due to angles, 6m carriageway, trees within 3m clear zone, branches encroaching onto pavement, pavement has pot holes and poor condition, 5-6m wide, minor vertical curves with minor sight line issues, 5m wide, corrugations, clear zone better now, intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$85,000
4,468	Cook Rd (Kalkabury Ward)	Yorke Hwy	Black Swamp Rd	1,989	P3	Intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient will need full width, 7m carriageway, clear zone is good, narrows to 6m, trees 3m from edge, pavement good quality, junction with Black Swamp Road has give way, needs hazard board, sight lines sufficient, radii insufficient but can safely use full width		
37,747	Cook Rd (Nth Gum Flat Ward)	Redding Rd	Black Bobs Rd	3,427	P2	Intersection with Black Bobs Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, pavement very rough, vegetation up to edge and encroaching on western side, some trees in 3m clear zone, vertical curve with minor sight line issues, narrows to 5m then widens again, pavement poor condition, horizontal curve reasonable, intersection with Redding Road has give way, sight lines to east sufficient, to west insufficient due to vegetation needs trimming, radii insufficient will cross centreline	8 - Pavement	\$690,000
4,469	Cook Rd (Sth Gum Flat Ward)	Port Vincent Rd	Old Port Vincent Rd	2,070	P2	Intersection with Old Port Vincent Road has give ways, sight lines insufficient to west due to vegetation and vertical curve, sufficient to east, radii insufficient will use full width, 6-7m carriageway, horizontal curve with sight lines sufficient, clear zone generally good some trees and vegetation, pavement poor in sections but generally good, minor crest, approach sight distance to intersection poor due to it has advanced warning sign, some major pot holes, intersection with Port Vincent Road has give way, sight lines sufficient, vegetation trimming would improve, radii insufficient will use full width	7 - Major Intersection Widening	\$100,000
4,470	Cook Rd (Sth Gum Flat Ward)	Old Port Vincent Rd	Minlaton Rd	4,019	P2	Intersection with Minlaton Road has give ways, sight lines sufficient to east, insufficient to west due to vertical curve, radii insufficient will cross centreline, 6-7m carriageway, trees up to edge and vegetation, pavement corrugated, light alignment with light horizontal curves, minor sight line issues, 7-8m carriageway, pavement poor in sections but generally good needs to be graded, alignment fine, clear zone improves, minor sight line issues over vertical curve, intersection with Old Port Vincent Road has give ways, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
25,141	Coonarie East Rd	Wild Dog Hill Rd	Foul Bay Rd	3,500	P1	Junction with Foul Bay Road has two legs with large island with trees, legs have give ways, very poor observation angles and sight line issues, radii issues due to angles, southern leg steep and very sandy, needs to be improved and realigned, 5-7m carriageway, pavement very poor with lots of sand, some trees within 3m clear zone, alignment poor with horizontal and vertical curves with major sight line issues, narrow 5-6m carriageway, pavement poor, some grass growing on pavement, junction with Wild Dog Hill Road has give way, needs hazard board, sight lines insufficient to north due to vegetation and vertical curve, sufficient to south, radii insufficient will use full width	4 - Minor Intersection Upgrade	\$150,000
25,142	Coonarie Rd	Foul Bay Rd	Hundred Line Rd	4,922	P1	Intersection with Hundred Line Road has give way, sight lines sufficient, radii insufficient will use full road width, needs hazard board, 5-6m carriageway, pavement very sandy, vegetation up to edge, some trees within 3m clear zone, straight alignment with minor vertical, pavement poor quality, alignment light with horizontal curves and 5m wide in sections, poor pavement, major sight line issues, junction with Foul Bay Road has give way, sight lines sufficient, radii insufficient can't do right out or left in	8 - Pavement	\$985,000
4,471	Coote Rd	Waylands Rd	Sunnyvale Rd	4,192	P3	Intersection with Sunnyvale Road has give way, sight lines sufficient, radii insufficient will cross middle of road, 8m carriageway, isolated trees within 3m clear zone, width varies 7-8m carriageway, horizontal curve with minor sight line issues, pavement generally good minor soft areas with damage, trees within 3m clear zone, approach sight distance to intersection poor due to horizontal curve, consider advanced warning sign, intersection with Waylands Road has give way, sight lines sufficient, radii insufficient will cross middle of road		
4,472	Coote Rd	Sunnyvale Rd	Lamshed Rd	2,808	P2	Intersection with Lamshed Road has give way, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, some bushes up to edge, pavement is damaged, some pot holes and corrugations, intersection with Sunnyvale Road has give way, sight lines insufficient due to vegetation mainly to east, radii insufficient will cross middle of road	6 - Sight Distance and Junction Widening	\$50,000
4,500	Coote Rd	Lamshed Rd	Pedler Rd	2,219	P3	Intersection with Pedler Road has give way, sight lines insufficient due to vegetation needs trimming, radii insufficient, left turn not possible on pavement others need full width, straight and flat alignment, 7-8m carriageway, some vegetation growing on edges of pavement, trees within 3m clear zone, some bushes up to edge, some minor corrugations and pot holes, intersection with Lamshed Road has give way, sight lines just sufficient, vegetation trimming will improve, radii insufficient will cross middle of road		
25,864	Coringile Rd	Coast	Hayward Rd	458		Not rated		
4,507	Correll Ln (Minlaton)	Yorke Hwy	Cemetery Rd	431	P1	Junction with Cemetery Road has give way, Y-junction, sight lines sufficient but poor observation angle, radii insufficient will cross centreline, 7-8m carriageway, some trees 3m from edge, pavement good, horizontal curve fine, intersection with Yorke Highway has give way, large central island, sight lines sufficient, radii insufficient due to island, needs to be removed (photo)	3 - Major Intersection Upgrade	\$500,000
4,441	Correll Rd	Honner Rd	Old Boundary Rd	5,234	P3	Intersection with Honner Road has give ways, sight lines sufficient, radii insufficient will cross centre of road, 7m unsealed carriageway, trees within 3m clear zone, branches encroaching onto pavement, pavement generally good but some pot holes, straight alignment with vertical curves, sight dip with minor sight line issues, approach to Clinton Road has warning signs, sealed throat, give way and hazard boards, sight lines sufficient, radii good but likely cross centreline		
25,144	Croser Rd (Nth Gum Flat Ward)	Rickaby Rd	Wapper Rd	3,468	P3	Has priority at Wapper Road, 8m carriageway, pavement good condition some minor corrugations, vegetation along edges and encroaching onto pavement, trees within 3m clear zone, junction with Rickaby Road has give way and hazard board, squared up, sight lines sufficient, radii good left out may cross centrelines		
4,526	Croser Road	Bowden Road	Rogers Road	5,365	P1	Intersection with Bowden Road has give way, sight lines insufficient due to vegetation and horizontal curve, radii insufficient will need to use full width, first 500m 6-7m carriageway, straight and flat, vegetation up to edge and trees within clear zone, then becomes one lane track with grass down middle, 3m track, pavement very poor condition, poor alignment with sight line issues, trees on edge, vegetation overhanging, southern 1.5m wide to 6m, pavement poor condition, clear zone opens up, junction with Rogers Road has give way, sight lines just sufficient, radii insufficient, use full width (Photo)	8 - Pavement	\$1,075,000
4,410	Cross Rd (Gum Flat Ward)	Springfield Rd	Weavers North Rd	2,148	P2	Junction with Weavers North Road needs hazard board, no give way, sight lines sufficient, radii sufficient, 7m carriageway, straight alignment with minor vertical alignment, clear zone good some vegetation up to edge, pavement poor condition, junction with Springfield Road has no give way or hazard board sign, sight lines to north insufficient, to south sufficient, radii insufficient will use full width	8 - Pavement	\$430,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.407	Cross Rd (Kalkabury Ward)	2.4km W of Greenstade Rd	South Kilerran Rd	2,416	P3	Intersection with South Kilerran Road has give way, sight lines sufficient but tight due to poor angle and vegetation, radii insufficient will use full width, 6m carriageway, pavement good, clear zone good at start but more trees at eastern end, two light horizontal curves with warning signs and guide posts, major sight line issues due to vegetation, trucks likely across centreline as no additional widening		
4.408	Cross Rd (Kalkabury Ward)	South Kilerran Rd	2.4km W of South Kilerran Rd	2,405	P3	6m carriageway, width varies, pavement average condition, clear zone good, alignment is fine, intersection with South Kilerran Road has give way, sight lines sufficient, grass trimming would improve, radii insufficient will use full width		
4.409	Cross Rd (Kalkabury Ward)	2.4km W of South Kilerran Rd	Nalyappa Rd	2,361	P3	Intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient will cross centreline, 8m carriageway, wider in sections, clear zone is good, pavement poor condition, alignment fine		
4.473	Cross Rd (Kalkabury Ward)	Greenstades Rd	2.4km W of Greenstade Rd	2,426	P3	6-9m carriageway, pavement good, trees within 3m clear zone, some vegetation up to edge, vertical curve with minor sight line issues, steep downgrade and light horizontal curve through Greenstades Road intersection, road narrows to 6m through intersection poorly set up		
25.145	Cross Rd (Kalkabury Ward)	Nalyappa Rd	end	1,900	P3	Dead end road, western 200m is single line track with grass down middle and vegetation encroaching onto pavement, then widens to 5-7m carriageway, pavement poor condition, straight alignment with minor vertical only, 3m clear zone generally good with slopes outside on northern side and trees outside on southern side, intersection with Nalyappa Road has give way, sight lines sufficient, grass trimming would improve for cars, radii insufficient will use full width on Cross Road		
4.412	Cudmore Rd	Yorke Hwy	Harry Butler Rd	4,096	P3	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient due to central island, caused by Wilson Road leg, need to formalise, 7-8m carriageway, pavement good condition, clear zone generally good, alignment fine, intersection with Harry Butler Road is six ways, sight lines along Harry Butler Road sufficient, radii insufficient will cross centreline		
4.406	Cudoorowie Rd	Bagnells Well West Rd	Moorowie Station Rd	1,649	P3	Intersection with Moor. Rd - Has give way sign, sight lines sufficient, radius insufficient - dual lanes creating grassed triangle, vehicle will cross centre line. Mid-block - 6m pavement width, pavement surface good, vegetation growing in pavement at edges. Trees within 3m clear zone some with branches to edge of the pavement. Sharp horizontal curve / turn into Bagnells Int. with no delineation or curve widening (recommend signing) - sight lines through sufficient. Intersection with Bagnells. Rd - Cudoorowie Rd has priority.		
4.414	Cudoorowie Rd	Hardwicke Bay Rd	Bagnells Well West Rd	3,379	P3	Intersection with Hardwicke Bay. Intersection - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width. Mid-block - 7m pavement width, pavement surface good, trees within 3m clear zone, some trees and branches right at pavement edge. Some grass growth in pavement at edges. Some horizontal curves without delineation or curve widening, one of which has insufficient sight lines due to vegetation. Intersection with Bagnells Well West. Rd - Cud. Rd has priority.		
4.422	Cudoorowie Rd	Cutline Rd	Hardwicke Bay Rd	3,230	P3	Intersection with Hardwicke Bay. Rd - Has give way sign (not visible on approach due to vegetation - trim), sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
25.865	Cudoorowie Rd	Moorowie Station Rd	Pookawarowie Rd	406	P1	Mid-block - 7m pavement width, pavement surface fair, some corrugation, trees within the 3m clear zone with some branches encroaching out into the roadway, some grass growing through the pavement Intersection with Cutline Rd - Has give way sign, sight lines sufficient, radius insufficient, full pavement width used by turning vehicle.		
25.147	Cutline Rd (Kalkabury Ward)	Agerly Rd	Penang Rd	3,201	P1	(Photo) <b>Short length of shortcut triangle road between other major roads.</b> Intersection with Pookawarowie. Rd - Has give way sign, sight lines sufficient, observation angle poor due to acute intersecting angle, continues straight onto major road for one movement, for the other vehicle cannot physically track in, consider banning this movement (also not needed due to triangle arrangement of this road and its connections). Mid-block - 5 to 6m wide pavement with grass growing in centre and edges (low use road). Pavement minimal but surface sufficient. Intersection with Moor. Rd - Has give way sign (adeq), sight lines sufficient, radius insufficient, vehicle will track off pavement for almost all movements.	3 - Major Intersection Upgrade	\$250,000
25.148	Cutline Rd (Kalkabury Ward)	Penang Rd	Pedler Rd	1,629	P1	Intersection with Penang Road has give way, sight lines sufficient, radii insufficient will cross centreline, 5-6m carriageway, horizontal curve very tight with minor sight line issues due to vegetation, some vegetation encroaching, trees within 3m clear zone, pavement reasonable but some soft spots, becomes 3m wide, road cut down and vegetation so cart get off, straight, (photo), junction with Fuss Road has give way as well, priority unclear, sight lines insufficient along Fudd Road, sight lines along Agerly Road sufficient, radii sufficient. Junction with Pedler Road has no give way or hazard board, sight lines insufficient to west due to vegetation, needs trimming, sufficient to east, radii insufficient, may struggle to do some movements at all as very narrow and road cut down, 3-4m carriageway, straight and flat, pavement reasonable, grass growing on pavement edges, clear zone good, intersection with Penang Road has no give way on this leg, needs one as priority is unclear, sight lines sufficient, radii insufficient will use full width, major dip at intersection due to drainage	5 - Carriageway Widths	\$325,000
3.977	Davey Rd	Coleman Rd	Loweridge Rd	5,315	P3	Junction with Pedler Road has no give way or hazard board, sight lines insufficient to west due to vegetation, needs trimming, sufficient to east, radii insufficient, may struggle to do some movements at all as very narrow and road cut down, 3-4m carriageway, straight and flat, pavement reasonable, grass growing on pavement edges, clear zone good, intersection with Penang Road has no give way on this leg, needs one as priority is unclear, sight lines sufficient, radii insufficient will use full width, major dip at intersection due to drainage	5 - Carriageway Widths	\$165,000
4.400	Davey Rd	Old Boundary Rd	Melton South Rd	1,250	P2	Intersection with Coleman Road has give way, sight lines sufficient, radii insufficient for some movements, 7m carriageway, trees within 3m clear zone, pavement good, widens past 8m, vegetation up to edges of pavement, some sections of pavement undulating, straight alignment, with minor vertical curves, junction with Loweridge Road has give way and hazard board, angle poor, sight lines sufficient, radii insufficient due to angle, can use full width		
4.401	Davey Rd	Melton South Rd	Clinton Rd	3,254	P3	Junction with Old Boundary Road has give way, poor alignment, sight lines insufficient due to lat grass and angle, radii insufficient for some movements due to angle, 5-7m carriageway, isolated trees, pavement good, straight alignment, intersection with Melton South Road has give ways, angle poor, sight lines insufficient need to get into intersection, radii insufficient for some movements due to angles	2 - Alignment and Signage	\$150,000
4.402	Davey Rd	Clinton Rd	Coleman Rd	3,149	P2	Intersection with Melton South Road has give ways, sight lines tight but sufficient, radii insufficient for some movements can use full width, 6m carriageway, pavement good, some trees within 3m clear zone and overhanging into road, steep approach to Clinton Road has warning signage and hazard board, sight lines sufficient, radii sufficient.		
3.978	Davies Rd	Sandy Church Rd	Andrews Rd	4,308	P2	Junction with Clinton Road is staggered T, has give way, sight lines sufficient, radii insufficient but can cross centreline, 7m unsealed carriageway, trees within 3m clear zone, pavement has some pot holes, straight alignment, minor vertical, intersection with Pioneer Road has priority, intersection with Coleman Road has give ways, poor angle, sight lines insufficient due to angle and vegetation.	6 - Sight Distance and Junction Widening	\$50,000
3.979	Davies Rd	Andrews Rd	Black Bobs Rd	3,828	P3	Intersection with Sandy Church Road has give way, five ways intersection, sight lines along Sandy Church Road sufficient, other legs insufficient but they have give ways, priority unclear with Yorke Valley Road leg, radii insufficient, can use full width onto Sandy Church Road but other legs not possible due to angles, 7m carriageway, trees within 3m clear zone, pavement condition good, straight and flat, narrows to 6m, pavement good, alignment good, clear zone improves, intersection with Andrews Road has give way, sight lines sufficient, radii insufficient, will use full width	7 - Major Intersection Widening	\$100,000
3.980	Davies Rd	Black Bobs Rd	Anderson Rd	3,184	P2	Intersection with Andrews Road has give ways, sight lines sufficient, radii insufficient will use full width, open can see, 7m carriageway, pavement generally good but some pot holes, some grass growing on edges of pavement, some trees within 3m clear zone, straight alignment, minor vertical alignment, narrows to 6m, intersection with Black Bobs Road has give way, sight lines sufficient, radii insufficient can use full width	8 - Pavement	\$640,000
3.981	Davies Rd	Anderson Rd	Boundary Rd	1,641	P1	Intersection with Black Bobs Road has give way, sight lines sufficient, radii insufficient will use full width, harder to see in due to vegetation, 6-7m carriageway, vegetation up to edge, straight alignment with vertical curves with minor sight line issues, pavement has rutting and pot holes, trees generally outside 3m clear zone but some inside, pavement very poor in sections, needs to be shaped better, some crests have major sight line issues, intersection with Anderson Road has give way, sight lines sufficient, radii insufficient will need full width but reasonable as open		
4.075	Depot Shed Rd	Harry Butler Rd	Weavers Rd	4,762	P2	Intersection with Anderson Road has give way, sight lines sufficient, radii insufficient but can use full width reasonably open, 7m carriageway, pavement rough with some pot holes, trees generally outside 3m clear zone but some inside, minor sight line issues over crests, junction with Boundary Road has no give way or hazard board, more just a horizontal curve to east which makes priority unclear, need sign, sight lines insufficient due to vegetation, radii insufficient, need give way to make priority clear (photos)	6 - Sight Distance and Junction Widening	\$50,000
4.076	Depot Shed Rd	Weavers Rd	Pentovale Rd	5,459	P3	Intersection with Weavers Rd - Has give way sign. Sight lines sufficient, radius insufficient - vehicle will track over full pavement width. Mid-block - 5 to 6m pavement width. Some grass growing in pavement edges, lots of trees within 3m clear zone. Slight horizontal curve with poor sight lines due to vegetation (in combination with narrow pavement width). Pavement widens to 6 to 7m north of Rabbit Corner Rd, some corrugation, crests with limited sight on approach. Within segment intersection with Rabbit Corner Rd - Give way signs on Depot Shed Road, sight lines sufficient to the left, insufficient to the right due to vegetation (requires trimming). Acute intersection angle - poor observation angle. Radius insufficient, vehicle requires full pavement width. Within segment intersection with Bagnells Well Rd E - Depot Shed Rd has priority. Intersection with Harry Butler Rd - Sharp horizontal curve into intersection, no delineation or advance warning of intersection (not visible on approach). Has give way sign. Wide dual / triangle intersection with island. Sight lines sufficient, radius insufficient for right turns unless using slip lanes (recommend to remove).	7 - Major Intersection Widening	\$100,000
4.051	Diagonal Rd	Corny Point Rd	Brutus Rd	4,675	P2	Intersection with Pentovale Rd - Has give way sign, sight lines sufficient, limited by crest to the left. Radius insufficient, turning movements will cross the centre line. Mid-block - 6m wide pavement, trees within 3m clear zone, grass growing within pavement at edge. Tight horizontal curve with no curve widening - sight lines OK if one vehicle is a truck. Pavement narrows to 6m at northern end, some corrugation and pot holes, some horizontal curves with limited sight lines - vegetation and crests. Within segment intersection with Green Flat Rd - Depot Shed Rd has priority, has cross road warning signage. Within segment intersection with Lake Rd - Depot Shed Rd has priority. Within segment intersection with Savage Hut Rd - Depot Shed Rd has priority, has cross road warning signage. Intersection with Weavers Rd - Has give way sign. Sight lines sufficient, radius insufficient - vehicle will track over centre line.		
						Intersection with Corny Point Road has give way, five ways, sight lines sufficient, radii insufficient for some movements, 6-7m carriageway, pavement minor corrugations and some pot holes, clear zone generally good with trees outside 3m clear zone, horizontal and vertical curves with minor sight line issues, pavement condition gets worse, some trees within clear zone now, narrows to 6m, junction with Brutus Road is a Y-junction but very wide so drivers can square up, sight lines are sufficient, has give way, radii insufficient will use full width due to angles between legs	7 - Major Intersection Widening	\$100,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.053	Diagonal Rd	Little Sheoak Rd	Corry Point Rd	3,517	P1	Junction with Little Sheoak Road has give way, very close to Yorke Highway junction, sight lines sufficient, radii insufficient, left and right in may not be possible due to angles. 6-7m carriageway, pavement is very corrugated, lines up to edge and cutting on edge of pavement, clear zone improves, alignment has horizontal curves but reasonable, needs a grade, junction with Corry Point Road is a Y junction, has give way, sight lines sufficient when squared up but very poor observation angle, radii insufficient for left in and right out movements needs to be banned others alright (photo)	3 - Major Intersection Upgrade	\$250,000
25.167	Diagonal Rd	Brutus Rd	North Coast Rd	4,318	P3	Intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, pavement very poor condition, vegetation up to edge but clear zone hazards generally fine, lots of small vertical curves or crests, minor sight line issues over road, junction with North Coast Road has give way, sight lines sufficient, radii insufficient due to poor angles		
4.046	Diamond Lake Rd	Clan Ranald Rd	Boothill Station Rd	3,060	P4	Intersection with Boothill Station Rd - Diamond Lake Rd has priority Mid block - 5 to 6m pavement width at western end, to 7 to 8m pavement width at eastern end, pavement surface poor, significant corrugation at western end. Rolling crests with limited sight lines. Within segment intersection with Kemp Bay Rd - Diamond Lake Rd has priority. Intersection with Clan Ranald Rd - Diamond Lake Rd has priority		
4.068	Diamond Lake Rd	Troubridge Hill Rd	Clan Ranald Rd	5,544	P1	Junction with Troubridge Hill Road has give way, sight lines sufficient, Y junction set up with poor observation angles, needs to be squared up, radii insufficient for left in and right out will need to be banned, other movements possible, 6-7m carriageway, clear zone good 21m, pavement good but soft in sections and damage evident, light alignment but sight lines sufficient, trees within 3m clear zone, water on road, width varies 5-7m, clear zone improves, pavement very poor, sight horizontal curve with signs, crest with minor sight line issues, has priority at Clan Ranald Road	3 - Major Intersection Upgrade	\$250,000
4.047	Didymulka Rd	Mount Rat Rd	The Gunbarrel Rd	1,985	P1	Has priority at The Gunbarrel Road, 7m carriageway, straight alignment with minor vertical, trees within 3m clear zone and up to edge, pavement has some minor pot holes, junction with Mount Rat Road has give way and hazard board, sight lines insufficient to south due to horizontal curve, sufficient to north, radii insufficient due to large central grassy island, needs to be removed (photo)	4 - Minor Intersection Upgrade	\$150,000
4.048	Didymulka Rd	The Gunbarrel Rd	Spencer Hwy	3,409	P4	Intersection with Spencer Highway has give way, sight lines sufficient, radii sufficient, 8m carriageway, 7m carriageway, trees generally outside of 3m clear zone, some vegetation up to edge, pavement good condition, more trees within 3m clear zone now, pavement minor corrugations, has priority at The Gunbarrel Road		
4.049	Didymulka Rd	Spencer Hwy	Gun Club Rd	4,023	P3	Intersection with Gun Club Road, 8m carriageway, straight alignment with minor vertical, stobies outside 3m clear zone, some trees within clear zone, vegetation up to edge and encroaching in sections, pavement good condition, intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline		
4.043	Didymulka Rd	Gun Club Rd	Bushes Rd	2,677	P3	Intersection with Bamboo Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7-8m carriageway, straight and flat, pavement good condition, some vegetation up to edge, trees generally outside 3m clear zone, line of stobies on northern side outside clear zone, kink around lake is reasonable, has priority at Gun Club Road		
4.448	Dutschke Rd (East)	Androssan Rd	Graham Rd	2,376	P3	Intersection with Androssan road has give ways, sight lines sufficient, radii insufficient for some movements will cross centreline, 7m carriageway, being graded during inspection, trees within 3m clear zone, branches encroaching onto pavement, straight and flat, has priority at Graham Road		
4.457	Dutschke Rd (West)	Port Victoria Rd	Nalyappa Rd	2,452	P2	Junction with Nalyappa Road needs hazard board, sight lines sufficient to north, insufficient to south due to vegetation, radii insufficient will need full road width, 7m carriageway, trees within 3m clear zone, some grass growing on pavement edges, pavement good quality, straight and flat, some bushes encroaching, intersection with Port Victoria road has give ways, sight lines to south sufficient, to north insufficient, poor angle, radii insufficient for some movements due to angles, horizontal curve on Port Victoria road causes sight line issue	6 - Sight Distance and Junction Widening	\$50,000
3.991	Elix Rd	Upper Yorke Rd	Sunnyvale Rd	3,190	P3	Intersection with Sunnyvale Road has give way, sight lines are sufficient, radii insufficient, will use full road width, 8-7m carriageway, pine trees within 3m clear zone, branches encroaching and overhanging road, pavement quality is good, alignment is good, give way sign at Upper Yorke Road, six ways and has side island with give way, priority seems confusing, at Upper York Road sight lines sufficient, radii insufficient for some movements due to angles		
7.536	Elizabeth St (Malland)	Tiddy Ave	West Tce	403	P4	Has priority at Tiddy Avenue, 7m seal with no line marking, 2m unsealed shoulders, clear zone generally good, kink in the road at Tiddy Avenue junction, otherwise straight and flat, houses still and 50km/h speed zone, has priority at West terrace		
7.537	Elizabeth St (Malland)	Malland Tce	Tiddy Ave	184	P4	Has priority at Malland Terrace, 8m seal with 1-2m unsealed shoulders, no line marking, trees outside 3m clear zone, flat and straight, pavement reasonable, has priority at Tiddy Avenue		
7.636	Elizabeth St (Malland)	Robert St	Malland Tce	310	P3	Intersection with Robert Street has give way, sight lines reasonable but blocked by parked vehicles so tricky, radii tight however Robert Street is wide but potential to cross centreline on Elizabeth Street, 50km/h speed zone, vehicles make the right turn out by swinging to the left initially, 2m kerb to kerb, angle parking, pavement reasonable with no line marking, stobies behind kerb, straight and flat segment, has priority at Malland Terrace intersection		
3.983	Enright Corner Rd	Boundary	Yararoo Rd	111		Not rated.		
8.015	Esplanade (Wood Bay)	2.0km S of Hayward Park Rd	Port Giles Rd	810	P4	7m seal with no edge lines, 1.5m unsealed shoulders, alignment good, clear zone good, pavement in good condition, has priority at Port Giles Road		
8.024	Esplanade (Wood Bay)	1.0km S of Hayward Park Rd	2.0km S of Hayward Park Rd	987	P4	100km/h speed zone, 7m seal, no edge lines, 2m unsealed shoulders, clear zone good, pavement good quality, minor horizontal curves, no widening,		
8.191	Esplanade (Wood Bay)	Hayward Park Rd	1.0km S of Hayward Park Rd	1,064	P3	Has priority onto Esplanade, houses along western side of road, sealed, 6m seal with no edge lines, line marking poor, 50km/h speed zone, clear zone good some trees in southern part, alignment fine		
9.356	Falie Dr (Price)	One And All Rd	Black Swamp Rd	2,429	P2	Junction with Black Swamp Road has give way and hazard board, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees up to edge of pavement, some corrugations, 50 ahead signs, walk to Yorker route, sight horizontal curve with sight line issues, 50 zone, intersection with Reliance Rd has give ways, sight lines sufficient for low speed area, radii insufficient will need full width, junction with One and All Road has give way, poor alignment, sight lines sufficient radii insufficient due to angle	6 - Sight Distance and Junction Widening	\$50,000
25.169	Ferguson Rd	Spencer Hwy	Rocky Bend Rd	4,614	P2	Has priority at Rocky Bend Road, 7m carriageway, winder in sections, pavement generally good some sandy sections, vegetation trimmed back but then up to edge in sections, trees within 3m clear zone, light horizontal curve with major sight line issues due to vegetation, intersection with Spencer Highway has give way, sight lines to south insufficient due to horizontal and vertical curve, sufficient to north, radii sufficient	2 - Alignment and Signage	\$150,000
25.170	Ferguson Rd	Rocky Bend Rd	Tea Tree Glen Rd	2,677	P3	Has priority at Tea Tree Glen Road, 4-5m carriageway, pavement poor very sandy in sections, straight alignment, road cut down, vegetation up to edge and trees within 3m clear zone, widens, has priority at Rocky Bend Road		
3.987	Ford Rd (Minlaton)	Minlaton Rd	Yorke Hwy	4,281	P2	Intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient will cross centreline, 7-8m carriageway, vegetation and trees up to edge of pavement, lots of property access points, 6-7m wide, light alignment with minor sight line issues around curves due to vegetation, intersection with Treloar Road has give ways, sight lines to north sufficient, insufficient to south due to horizontal curve, radii insufficient will need full width, sight lines sufficient from eastern side, 6m wide section with poor alignment then 7m widens and flat and straight, trees along edge branches need trimming, light horizontal curve on approach to junction, very poor approach alignment will be across whole road, junction with Minlaton Road needs hazard board, sight lines insufficient to west, sufficient to east but need vegetation trimming, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
25.151	Foul Bay Rd	5km S of Yorke Hwy	Coonarie East Rd	2,600	P3	6m carriageway, pavement hard but poor, corrugated and pot holes, clear zone good with vegetation back, alignment fine with minor crests but sight lines good, pavement very poor widens to 7m in sections		
25.152	Foul Bay Rd	Coonarie East Rd	Coonarie Rd	2,801	P2	7m carriageway, vegetation up to edge, pavement generally good, straight alignment with minor crests, some light horizontal curves on approach to Coonarie East Road with minor sight line issues, pavement becomes poor quality, junction with Coonarie East Road just long sweeping curve with sight line issues and trucks will cross centreline	8 - Pavement	\$565,000
25.153	Foul Bay Rd	Coonarie Rd	Cape Yorke Rd	3,572	P2	Has priority at Cape York Road, 6-7m carriageway, some vegetation up to edge, trees generally outside clear zone, pavement this less sand but still poor, long steep upgrade, sight lines fine, straight alignment, more see pavement, alignment becomes light again around Coonarie Road junction with major sight line issues around the curve at junction, trucks will cross centreline to as very tight.	8 - Pavement	\$715,000
25.154	Foul Bay Rd	Cape Yorke Rd	South Coast Rd	1,504	P2	Junction with South Coast Road has give way and hazard board, sight lines sufficient, radii sufficient, 6m carriageway, pavement very sandy, vegetation up to edge, horizontal and vertical curves are tight with major sight line issues, has priority at Cape York Road	8 - Pavement	\$305,000
25.171	Foul Bay Rd	Yorke Hwy	2.5km S of Yorke Hwy	2,491	P3	6-7m carriageway, vegetation up to edges, pavement very poor with lots of major pot holes, alignment fine with some horizontal curves with appropriate sight lines, intersection with Yorke Highway has give way, sight lines sufficient, radii sufficient		
25.172	Foul Bay Rd	2.5km S of Yorke Hwy	5km S of Yorke Hwy	2,510	P2	6-7m carriageway, vegetation up to edge in sections, pavement poor quality with pot holes, numerous large crests with minor sight line issues, straight alignment.	8 - Pavement	\$505,000
7.273	Fourth St (Curramulka)	Second St	Main St	113	P2	14m kerb to kerb, no line marking, straight and gradual downslope, stobies behind kerb, pavement looks fine, intersection with Main Street seems to give way but no signs, sight lines sufficient, radii sufficient	1 - Signage	\$1,000
7.658	Fourth St (Curramulka)	North Tce	Second St	156	P2	Within 50km/h zone, 7m seal with no line marking, straight alignment, has priority at North Terrace, seems to have priority at Second Street no give ways however	1 - Signage	\$1,000
25.155	Francis Rd	Bridgman Rd	Smith Rd	2,907	P2	Intersection with Bridgman Road has give way, sight lines sufficient, radii insufficient will use full width, 5-6m carriageway, clay road, trees within 3m clear zone, vegetation up to edge, generally straight but has some small kinks in alignment, pavement poor condition, intersection with Smith Road has give way, five ways, sight lines along Smith Road sufficient to east, junction to west with Yorke Valley Road, radii insufficient due to angles	7 - Major Intersection Widening	\$100,000
37.748	Fuller Rd	Bluff Rd	Cemetery Rd	2,561	P3	Intersection with Cemetery Road has a give way, needs hazard board, sight lines insufficient to east due to horizontal curve, sufficient to west, radii insufficient will use full width, 7m carriageway, widens, pavement along sections, vegetation along edges, some trees within 3m clear zone, straight alignment with vertical curves minor sight line issues, width out to 8-9m in sections, pavement good, junction with Bluff Road has give way and hazard board, sight lines sufficient, radii insufficient some movements will cross centreline		
4.440	Fuss Rd	Arthunton Rd	Agery Rd	3,462	P3	Intersection with Agery Road has give way, sight lines sufficient, radii sufficient, 7.8m carriageway, pavement good condition, trees within 3m clear zone, some vegetation encroaching onto pavement, straight alignment, intersection with Arthunton Road has give way, sight lines sufficient, radii insufficient for some movements due to poor angle		
7.267	G B Sherrif Rd	Minlaton Rd	Golf Rd	220	P4	Intersection with Minlaton Rd - Has hazard board and T junction warning sign, sight distance sufficient, radii sufficient. Mid-block - 7.5m seal width, 1 to 1.5m unsealed shoulders. Straight, flat alignment, clear zone free. Stobie poles just outside 3m clear zone. Intersection with Golf Rd - No Golf Road, possibly Starr Road? - G B Sherrif Rd has priority.		

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
7,485	G B Sherrif Rd	No Golf Rd	School Rd	423	P4	Intersection with Golf Rd - No Golf Road, possibly Star Road? - G B Sherrif Rd has priority. Mid-block - 7.5m seal width, 1 to 1.5m unsealed shoulders. Straight, flat alignment, clear zones free. Stobie poles just outside 3m clear zone. Intersection with School Rd - G B Sherrif Rd has priority.		
7,496	G B Sherrif Rd	0.45km E of Minlaton Rd	0.9km E of Minlaton Rd	453	P4	Mid-block - 7m seal width, 1 to 1.5m unsealed shoulders. Straight, flat alignment, clear zones free. Stobie poles outside 3m clear zone. Some trees at 3m clear zone edge.		
7,497	G B Sherrif Rd	School Rd	0.49km E of Minlaton Rd	455	P4	Intersection with School Rd - G B Sherrif Rd has priority. Mid-block - 7.5m seal width, 1 to 1.5m unsealed shoulders. Straight, flat alignment, clear zones free. Stobie poles just outside 3m clear zone. Some trees at 3m clear zone edge.		
7,655	G B Sherrif Rd	0.9km E of Minlaton Rd	Stansbury Rd	99	P3	Mid-block - 7m seal width, 1 to 1.5m unsealed shoulders. Straight, flat alignment, clear zones free. Stobie poles outside 3m clear zone. Some trees at 3m clear zone edge. Intersection with Stansbury Rd - Has give way sign and hazard boards, sight lines sufficient, radius insufficient, vehicle will track over centreline.		
4,432	Germein Rd	Yorke Hwy	North South Rd	3,859	P3	Has priority at North South Road, 7m carriageway, straight alignment with vertical curves, trees within 3m clear zone, pavement good condition, minor sight line issues over eastern crest, long steep descent, water running down road causing rutting, road needs to be reshaped to improve drainage and prevent this as can cause safety issues, trees within 3m clear zone, intersection with Yorke Highway has give way, poor angle sight lines sufficient, radii insufficient for some movements due to angle		
4,449	Gillis Rd	Maitland Rd	Thomas Rd	4,404	P3	Has priority at Thomas Road, 7m carriageway, trees within 3m clear zone and up to edge, branches encroaching onto pavement, 6-7m carriageway, tight horizontal curve with major sight line issues due to vegetation, pavement good, 6m wide, intersection with Maitland Road has give ways, sight lines just sufficient, radii sufficient		
4,016	Goldsmith Beach Rd	Old Honiton Rd	Heel Rd	4,846	P2	Junction with Heel Road has give way, sight line insufficient to east due to horizontal curve, sufficient to west, radii insufficient will cross centreline mainly due to angle quite wide, 7-8m carriageway, clear zone generally good some isolated trees and a large rubble pile on edge of road however, pavement has some corrugations, alignment good, very wide, pavement very poor in sections, intersection with Old Honiton Road has give way, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$970,000
4,054	Goldsmith Beach Rd	Stansbury Rd	Port Giles Rd	2,900	P2	Intersection with Port Giles Road has give way, sight lines sufficient, radii insufficient, will cross centreline, 7m carriageway, trees within 3m clear zone, branches encroaching, pavement poor in patches, intersection with Stansbury Road has give way, Green Flat Road leg also has give way and meets at same point, priority containing sight lines along Stansbury Road sufficient, radii sufficient, need to make priority clearer with side legs	8 - Pavement	\$585,000
4,055	Goldsmith Beach Rd	Port Giles Rd	Recluse Rd	2,377	P3	Has priority at Recluse Road, 8m carriageway, straight and flat, some trees in 3m clear zone with branches encroaching onto pavement, stobies on both sides some within 3m clear zone, pavement reasonable, intersection with Gumbowie Road has give ways, sight lines sufficient, poor observation angles due to angle between roads, radii insufficient will need to use full width, more trees within clear zone, intersection with Port Giles Road has give way, sight lines sufficient, radii insufficient will cross centreline		
4,056	Goldsmith Beach Rd	Recluse Rd	Lake Fowler Rd	1,870	P3	Intersection with Lake Fowler Road has give way, sight lines sufficient, radii insufficient will use full width, 7-8m carriageway, branches encroaching onto pavement, trees within 3m clear zone, stobies generally outside clear zone, pavement very poor condition, straight alignment with minor vertical, has priority at Recluse Road		
4,057	Goldsmith Beach Rd	Lake Fowler Rd	St Vincent Hwy	2,571	P2	Intersection with St Vincent Highway has give ways, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, vegetation up to edge, trees and stobies within 3m clear zone, pavement condition poor, lots of pot holes, straight alignment with minor vertical, width varies gets wider, intersection with Lake Fowler Road has give way, sight lines to west sufficient, to east sufficient, insufficient on Substation Road, radii insufficient will use full width	8 - Pavement	\$515,000
4,058	Goldsmith Beach Rd	St Vincent Hwy	Old Honiton Rd	3,134	P3	Intersection with Old Honiton Road has give way, sight lines sufficient, radii insufficient will cross centreline, stobies within 3m clear zone, 7-8m carriageway, straight and flat, pavement very poor, intersection with New Honiton Road has give ways, sight lines sufficient but radii insufficient on both sides, vegetation up to edge some stobies within 3m clear zone, pavement very poor, intersection with St Vincent Highway has give ways, radii sufficient		
4,042	Goldsworthy Rd	Yorke Hwy	Quarry Rd	3,823	P3	Intersection with Quarry Road has give way, sight lines sufficient, radii insufficient will use full road width, crest on approach to intersection, poor approach sight distance, has advanced warning sign, 6-7m carriageway, pavement good, some trees within 3m clear zone, stobies on northern side of road outside 3m clear zone, trees become more frequent, pavement good, straight alignment with some minor crests, branches encroaching onto pavement, intersection with Yorke Highway has give way, sight lines sufficient, radii sufficient		
4,424	Goldsworthy Rd	Dans Rd	Cemetery Rd	1,840	P2	Has priority at Cemetery Road, intersection located after a crest has poor approach sight distance, advanced warning sign provided, 7m carriageway, clear zone is good, pavement reasonable, straight alignment with minor vertical crests, intersection with Dans Road has give way, poor angle, sight lines just sufficient but poor observation angle, radii insufficient for some movements, need full width	6 - Sight Distance and Junction Widening	\$50,000
4,447	Goldsworthy Rd	Quarry Rd	Dans Rd	2,118	P3	Intersection with Dans Road has give way, sight lines sufficient, radii sufficient, 7-8m carriageway, trees on southern side of road within 3m clear zone and branches encroaching onto pavement, stobies within 3m clear zone but generally outside, pavement good, intersection with Quarrys Road has give way, major tree issues, sight lines sufficient, radii insufficient need to use full width		
4,425	Gordon Rd	Mumford Rd	Wauraltee Rd	3,225	P2	Intersection with Mumford Road has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, vegetation encroaching, straight with minor vertical alignment, some isolated trees within 3m clear zone, vegetation up to edge, pavement poor in sections needs a grade, narrow to 6m, has give way at Black Bobs Road, sight lines insufficient due to vegetation to low eastern leg, sufficient to west to see Wauraltee Road, radii insufficient for some movements due to angles	8 - Pavement	\$645,000
4,426	Graham Rd	Standpipe Rd	Androssan Rd	3,309	P3	Has priority at Standpipe Road intersection, 7m carriageway, pavement good condition, straight and flat, some trees within 3m clear zone, intersection with Androssan Road has give way, priority with Johnson Road confusing, has sealed throat but poor alignment, very wide section, sight lines sufficient, radii insufficient from sealed section, should be formalised		
4,427	Graham Rd	Androssan Rd	Rowntree Rd	4,282	P3	Intersection with Rowntree Road has give way, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, trees within 3m clear zone, width varies to 8m, pavement has lots of pot holes, branches overhanging onto road, intersection with Androssan Road has give way, poor angle, sight lines sufficient but observation angle poor, radii insufficient for some movements due to poor angles		
4,428	Graham Rd	Rowntree Rd	Clinton Rd	3,225	P3	Junction with Clinton Road has give way and hazard board, sealed throat with guide posts, squared up, sight lines sufficient, radii light for some movements but good may just cross centreline, 7m carriageway, trees within 3m clear zone, vegetation up to edge of road overhanging onto road in sections, pavement quality is good, widens in sections, lots of pot holes in this section, minor crest, out to 8m wide, intersection with Rowntree Road on long downslope, has give ways, sight lines sufficient, radii insufficient will need to use full width and will be tight		
4,429	Graham Rd	Clinton Rd	Old Boundary Rd	2,425	P3	Intersection with Old Boundary Road has give way, sight lines sufficient, radii insufficient will use full road width, 7m carriageway, trees within 3m clear zone, some rutting where water runs down road needs better shape, road widens to 8m, pavement generally good but some pot holes, junction with Clinton Road has sealed throat, give ways and hazard board, line marking poor, sight lines sufficient, radii sufficient		
4,439	Gravel Pit Rd	Kangaroo Flat Rd	Pookawarowie Rd	3,312	P3	Intersection with Pookawarowie Rd - Has T-junction warning sign, sight lines sufficient, radius insufficient, vehicle will track over centre line. Mid-Block - Pavement width 7 to 8m, pavement surface good, trees within 3m clear zone. Intersection with Kang Rd - Has give way sign (faded), sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4,088	Green Flat Rd	Stansbury Rd	Depot Shed Rd	3,827	P2	Intersection with Stansbury Rd - Acute intersection angle, has give way sign, sight lines sufficient, observation angle poor due to intersection geometry, radius insufficient, left in turn likely to track off pavement. Mid-block - 6 to 7m width, some isolated trees within 3m clear zone and some grasses growing through pavement edges. More trees within 3m clear zone at western end. Slight horizontal curve through western end. Intersection with segment with Weewers Hill Road, has give way signs in both directions (next faded on eastern sign). Sight lines sufficient for both approaches, radius insufficient for both, both requiring vehicle to use full pavement width. Intersection with Depot Shed Rd - Acute intersection angle, has give way sign, Sight lines sufficient, observation angle poor due to intersection geometry. Radius insufficient, likely to track over centre line.	7 - Major Intersection Widening	\$100,000
4,089	Green Flat Rd	Depot Shed Rd	Pentonvale Rd	2,678	P3	Intersection with Depot Shed Rd - Has give way sign, acute intersection angle, radius insufficient, full pavement width used and for left-out will track off of pavement. Sight lines sufficient. Mid-block - 6 to 7m width, grass growing in pavement at edge, trees within 3m clear zone, some tree branches overhanging the road. Western end has significant grass in pavement edges, narrowing the effective pavement width to 4 to 5m. Pavement surface otherwise good. Within segment intersection with Savage Hut Rd - Green Flat Rd has priority, crossroad warning signs present. Intersection with Pentonvale Rd - Has give way sign, acute intersection angle, sight lines sufficient, radius insufficient, vehicle will use full pavement width and for left-out/right in turns will track off pavement.		
4,423	Green Flat Rd	St Vincent Hwy	Stansbury Rd	3,966	P3	Intersection with Stansbury Road has give way, again confusing with other side road Goldsmith Beach Road, sight lines along Stansbury Road sufficient, radii insufficient, left in will cross centreline, other movements fine, 7m carriageway, vegetation up to edge of pavement in sections, pavement good quality, alignment is good, some trees in 3m clear zone, intersection with St Vincent Highway has give way, sight lines sufficient, sealed throat, radii insufficient will cross centreline likely		
4,431	Green Flat Rd	West Toe	St Vincent Hwy	1,966	P3	Intersection with St Vincent Highway has give way, sealed throat, sight lines sufficient, radii insufficient, will cross centreline, 7-8m carriageway, vegetation up to edge, trees within 3m clear zone, alignment fine, pavement good condition, 40m into Wood Bay, has priority at this intersection		
4,090	Green Hill Rd	Marine Parade	Lake Fowler Rd	2,402	P3	Intersection with Lake Fowler Rd - Green Hill Rd has priority (very minor side track). Mid-block - 8m pavement width, pavement surface good, trees within 3m clear zone, some trees at pavement edge. Horizontal curve with curve warning sign present (side road on outside of curve also correct sign), no curve widening and sight lines insufficient. Intersection with Marine Parade - Has give way sign (faded), sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4,091	Green Hill Rd	Lake Fowler Rd	Waterloo Bay Rd	3,972	P3	Intersection with Lake Fowler Rd - Green Hill Rd has priority (very minor side track). Mid-block - 8m pavement width, pavement surface ok, some undulation, some vegetation growth in pavement at edges, trees within 3m clear zone, some trees at pavement edge. Numerous horizontal curves with curve warning signs present, no curve widening and sight lines insufficient. Within section intersection with Windmill Rd - Green Hill Rd has priority. Intersection with Waterloo Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width, may track off pavement for left in turn.		

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,092	Green Plains Rd	Holman Rd	Bussenschutt Rd	3,407	P1	Intersection with Holman Road has give way, sight lines sufficient, radii insufficient for some movements due to angle, 7m carriageway, pavement poor in patches, vegetation up to edges and encroaching, trees within 3m clear zone, some light horizontal curves with sight line issues due to vegetation, <b>Intersection with Bussenschutt Road has give way, large central island with tree, two legs, sight lines sufficient, radii insufficient for some movements, needs island removed</b>	4 - Minor Intersection Upgrade	\$150,000
4,001	Greenstade Rd (Malland)	West Toe	Miller Rd	2,892	P4	Has priority at Miller Road intersection, 7.8m carriageway, pavement reasonable, vegetation up to edge and encroaching on southern side, trees within 3m clear zone on southern side, alignment fine, stobes outside 3m clear zone, speed reduced to 80 then 50 into Malland, has priority at West Terrace		
4,028	Gregor Rd	Sparrows Rd	Roollama Rd	4,811	P2	Junction with Sparrow Road has give way and hazard board, sight lines sufficient, radii insufficient will use full road width and be light, 4.8m carriageway, trees within 3m clear zone, pavement average, straight alignment, long gradual uphill section which has some drainage issues leading to water running across the road and causing ruts, pavement widens to 7m, has priority at Roollama Road	5 - Carriageway Widths	\$485,000
4,029	Gregor Rd	Roollama Rd	Porky Rd	3,179	P1	Has priority at Roollama Road, 5m carriageway, <b>but generally one lane track with grass down middle</b> , clear zone is good, widens in sections but generally one lane only, pavement very poor condition with soft spots, has priority at Porky Road but only leads into a road reserve	8 - Pavement	\$640,000
25,173	Gregor Rd	Porky Rd	Yorke Hwy	1,274	P1	Road inaccessible (Photo)		
4,030	Gum Flat Rd (Minlaton)	Yorke Hwy	Minlaton Rd	1,027	P3	Intersection with Minlaton Road has give way, sealed throat, sight lines sufficient, radii insufficient due to angles, left in and right out banned and too tight due to angle, 8m carriageway, trees within 3m clear zone, vegetation along both edges and encroaching, pavement good, straight and flat, intersection with Old Port Vincent Road has give ways, sight lines sufficient, radii insufficient, 8m carriageway, vegetation encroaching, junction with Yorke Highway has give way, sight lines sufficient, radii sufficient, has left slip lane with own give way should be removed		
4,031	Gum Flat Rd (Minlaton)	Minlaton Rd	Yorke Highway	2,684	P2	Junction with Yorke Highway has give way, hazard board, sealed throat, sight lines sufficient, radii insufficient will cross centreline, steep upgrade and light horizontal curve on approach to junction but well set up, 6.7m carriageway, pavement poor in sections, trees within 3m clear zone, tight alignment, pot holes and corrugations, rocks on edge of pavement, intersection with Ford Road has give ways, sight lines insufficient due to poor angles and vegetation, radii insufficient for some movements due to angles and widths, trees on edge of pavement reduce width, lots of property access points, intersection with Minlaton Road has give way, sight lines sufficient to east, insufficient to west due to horizontal curve and vegetation, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,032	Gum Tree Rd	Sturt Bay Rd	Old Saltworks Rd	4,080	P1	Junction with Old Saltworks Road has no give way sign, sight lines sufficient, <b>observation angle poor, Y junction with left in slip lane, radii insufficient for some movements, large central grassy island, needs to be removed and squared up</b> , alignment reasonable, some trees within clear zone and vegetation up to edge but generally good, pavement soft in sections but reasonable, intersection with Tuckokowie Road has give ways, sight lines insufficient to south, major issues as we very steep due to angle, 7m carriageway, straight alignment with vertical curves, clear zone generally good, pavement good, junction with Sturt Bay Road has give way needs hazard board, sight lines sufficient, vegetation trimming would improve, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
4,034	Gumbowie Rd	Recluse Rd	Goldsmith Beach Rd	2,368	P4	Has priority at Recluse Road, 8m carriageway, straight and flat, pavement good, very few trees in clear zone and minor vegetation up to edge, has priority at Goldsmith Beach Road		
4,043	Gumbowie Rd	Fowler St	Recluse Rd	1,846	P4	Has priority at Fowler Street within Cobowies, 50kmh zone, 8m carriageway, vegetation up to edge, trees within 3m clear zone, straight into open speed zone, straight and flat alignment, minor corrugations, has priority at Recluse Road		
4,059	Gumbowie Rd	Goldsmith Beach Rd	Stansbury Rd	2,454	P3	Has priority at Goldsmith Beach Road, 8m carriageway, trees within 3m clear zone, vegetation up to edge of pavement on both sides, pavement good but minor corrugations, straight and flat, junction with Stansbury Road has give way, hold bars set well back due to other side road Troubridge Hill Road, priority is confusing needs to be better set up, sealed throat, sight lines along Stansbury Road are sufficient, left turn in radii insufficient due to angle, other radii sufficient		
25,157	Gym Beach Rd	Marion Bay Rd	Coast	3,980	P2	Junction with Marion Bay Road has give way, sight lines sufficient, radii insufficient will cross centreline, sealed throat, 7m carriageway, pavement good but corrugated, trees along edges, alignment becomes poor with horizontal and vertical curves with minor sight line issues, pavement badly corrugated, narrows to 5m, sand on pavement some horizontal curves with major sight line issues due to vegetation and very tight	8 - Pavement	\$800,000
4,093	Gypsum Pit Rd	Troubridge Hill Rd	Black Hill Rd	5,047	P3	Intersection with Troubridge Hill Rd - Has give way sign, acute intersection angle, Sight lines sufficient but poor observation angle. Radius insufficient, right-out and left-in movements due to intersection angle (recommended re-align or ban turns), other movements likely to cross centre line. Mid-block - 8m pavement width, pavement surface good. Trees just outside 3m clear zone with branches encroaching to edge of pavement, some vegetation in pavement at edges. Fairly straight and flat alignment, good sight along road. Intersection with Black Hill Rd - (Intersection is with New Honiton Rd, Black Hill Rd a staggered T continuation of Gypsum Pit Rd) - Has advance give way and give way signs. Sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
25,158	Happy Valley Rd	Yorke Hwy	Hundred Line Rd	5,328	P2	Intersection with Hundred Line Road has give way, sight lines to north insufficient due to vertical curve, sight lines to south sufficient, radii insufficient will use full width, 5.8m carriageway, poor alignment with horizontal and vertical curves, major sight line issues, vegetation up to edge, pavement poor some just exposed rock, no sand issues very hard, but lots of pot holes, width varies between 3-7m, poor alignment with sight line issues, junction with Yorke Highway has give way and hazard board, sight lines sufficient, radii sufficient	8 - Pavement	\$1,070,000
25,159	Happy Valley Rd	Hundred Line Rd	South Coast Rd	5,202	P1	Junction with South Coast Road has give way, sight lines sufficient, radii insufficient will cross centreline, hard to see in due to trees, 6m carriageway, vegetation up to edge, <b>pavement very sandy</b> , straight alignment with minor vertical curves, <b>unsure if trucks can make it through sandy sections?</b> horizontal curves with minor sight line issues road widens to 7m carriageway, minor crests, intersection with Hundred Line Road has give way, poor angle should be squared up, sight lines insufficient to north due to vertical curve, sufficient to south, radii insufficient will use full width	8 - Pavement	\$1,045,000
3,976	Hardwicke Bay Rd	Kangaroo Flat Rd	Cudorowie Rd	3,519	P4	Intersection with Cud. Rd - Hardwicke Bay, Rd has priority, has crossroad warning sign. Mid-block - 7 to 8m pavement width, pavement surface average, some reasonable corrugation in parts, some isolated trees within 3m clear zone, some grass within pavement at edges. Intersection with Kang. Rd - Hardwicke Bay, Rd has priority, crossroad sign present.		
4,027	Hardwicke Bay Rd	Harry Butler Rd	Kangaroo Flat Rd	3,084	P2	Intersection with Kang. Rd - Hardwicke Bay, Rd has priority, crossroad sign present. Mid-block - 8m pavement width, some trees within 3m clear zone, some trees at pavement edge. Pavement surface fair, some undulation and potholing, some grass growing within pavement at edges, a horizontal curve without delineation or curve widening and insufficient sight lines. Within segment intersection with Rogers Corner Rd - Hardwicke Bay, Has priority. Intersection with Harry b. Rd - Has T-junction sign and hazard board, sight lines insufficient to the right due to vegetation (on curve), sufficient to the left (also an issue for right in turns by long vehicles). Radius possibly insufficient, vehicles may cross the centre line.	2 - Alignment and Signage	\$150,000
4,045	Hardwicke Bay Rd	Cudorowie Rd	Yorke Hwy	3,871	P1	(Photo) Intersection with Yorke Hwy - (First intersects with Pookawarowie Rd in a Y junction, <b>not visible (shielded by trees, no delineation and poor intersecting angle, not aware of prior intersection due to major intersection just past this, major risk of collisions here</b> at Yorke Hwy has a hazard board, sight lines sufficient, radius insufficient, likely to track over centre line. Mid-block - 8m pavement width, pavement surface good, trees within the 3m clear zone. Intersection with Cud. Rd - Hardwicke Bay, Rd has priority, has crossroad warning sign.	3 - Major Intersection Upgrade	\$500,000
3,994	Harmer Rd	Arthurton Rd	Sawley Rd	3,626	P1	Junction with Arthurton Road has give way, <b>sight lines to south have a blind section, sight lines to north sufficient, Y junction angle, radii insufficient due to angles</b> , 6.7m carriageway, pavement good, horizontal curves with minor sight line issues, some trees within 3m clear zone, long upgrade to Sawley Road junction, <b>Y junction with a poor angle, sight lines sufficient, radii insufficient for left out and right in due to angle, needs to be squared up</b>	3 - Major Intersection Upgrade	\$250,000
4,433	Hasting Rd	Lodge Rd	Pine Point Rd	4,677	P3	Intersection with Pine Point Road has give way, sight lines sufficient, radii insufficient very tight into Hastings Road, 6.7m carriageway, trees within 3m clear zone, has drainage out into road, (photo), intersection with North South Road has insufficient sight lines to north due to vegetation, needs trimming, to south sufficient, radii insufficient will need full width, 7m carriageway, pavement good condition, trees and vegetation along both edges with some encroaching, straight alignment with some vertical which is fine, intersection with Lodge Road has give way, sight lines to north insufficient due to vegetation, sufficient to south, radii insufficient will need full road widths		
4,434	Hayes Rd	Lower White Hut Rd	Gleasons Rd	3,176	P2	Intersection with Lower White Hut Road has give way, sight lines to east insufficient due to angle and vegetation, sight lines to west insufficient due to vertical curve, radii insufficient poor angles, due to a crest the approach sight distance to the intersection is very poor, there is an advanced warning sign, 5.6m carriageway, flat and straight generally with vegetation up to the edge, trees within 3m clear zone, pavement poor condition, vertical curves further north, most with only minor sight line issues but one with major issues, has priority at Gleasons Road, junction with White Hut Road has give way and hazard board, sealed throat, previously mentioned sight line issues due to horizontal curve and radii issues	6 - Sight Distance and Junction Widening	\$50,000
4,435	Hayes Rd	Gleasons Rd	Wurlie Rd	2,074	P1	<b>Intersection with White Hut Road has give way, major sight line issues due to being on the inside of a horizontal curve, vegetation cleared on western side but still insufficient, needs to be improved, radii insufficient will use full width, this is a dangerous junction</b> , 5m carriageway, vertical curve with major sight line issues, pavement poor, clear zone good, major pot holes, poor alignment, pavement bad, has priority at Wurlie Road intersection	7 - Major Intersection Widening	\$100,000
4,436	Hayes Rd	Wurlie Rd	Corny Point Rd	4,726	P2	Has priority at Wurlie Road intersection, 5m carriageway, pavement poor condition with lots of pot holes, trees within 3m clear zone, vegetation trimmed back, alignment generally straight with minor crests, major sight line issues over some crests, pavement poor condition, junction with Corny Point Road has give way, sight lines sufficient, radii insufficient	8 - Pavement	\$950,000
4,099	Hean Rd	Port Victoria Rd	South Kilkerran Rd	1,872	P3	Intersection with Port Victoria Road has give way, sight lines sufficient due to horizontal curve, radii insufficient for some movements due to angles, 7.8m carriageway, some grass on edge of pavement, straight and flat, pavement good quality, some stobes within clear zone, trees within 3m clear zone, intersection with South Kilkerran Road has give way, sight lines sufficient can be improved with vegetation trimming, radii insufficient can use full width		
4,100	Hean Rd	South Kilkerran Rd	Lizard Park Dr	4,009	P3	Intersection with South Kilkerran Road has give ways, sight lines sufficient, radii insufficient need to use full width, 8m carriageway, trees within 3m clear zone, width varies 8m plus in sections then down to 7m, straight and generally flat, stobes 5-6m back, trees within 3m clear zone and branches encroaching, pavement good, has priority at Lizard Park Road		

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,101	Hean Rd	Lizard Park Dr	Spencer Hwy	1,813	P3	Has priority at Lizard Park Road, junction warning sign on eastern approach due to sight crest, 6-7m carriageway, trees within 3m clear zone, bushes encroaching on pavement slobes well back, pavement quality good, straight alignment, some minor vertical, light vertical curve on eastern end on road, minor sight line issues, long down slope to Spencer Highway intersection, has give ways, sight lines sufficient radii insufficient has headwall on one corner, need to use full width		
4,038	Heinrich Rd	Balgowan Rd	Old Boundary Rd	5,558	P3	Intersection with Old Boundary Road has give way, sight lines sufficient, radii sufficient, 9m wide carriageway, vegetation encroaching on pavement, straight alignment, clear zone good, pavement good, after 2km narrows to 7m, trees up to edge of road, typically 7-6m carriageway, straight and generally flat, trees within 3m clear zone, pavement generally good quality, intersection with Balgowan Road has give ways, sight lines sufficient trimming vegetation will improve, radii insufficient will cross centreline		
4,234	Hickman Rd	Old Coast Rd	St Vincent Hwy	1,965	P2	Intersection with St Vincent Highway has give way, sight line sufficient to north, insufficient to south, radii sufficient, 6-7m carriageway, straight and flat, trees within 3m clear zone, vegetation up to edge of pavement, clear zone opens up, pavement fine, junction with Old Coast Road has give way and hazard board, sight lines insufficient to north, horizontal curve very poor, sufficient to south, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4,289	Hickman Rd	Powerline Rd	Dan's Corner	4,703	P3	Junction with Dams Road, has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, trees generally outside 3m clear zone but some inside, pavement good being graded, straight alignment with some vertical curves, long uphill section with minor crest and minor sight line issues, has priority at Powerline Road		
4,476	Hickman Rd	St Vincent Hwy	Powerline Rd	4,238	P3	Has priority at Powerline Road, 5-6m carriageway with grass growing on edge of pavement, clear zone generally good with trees outside 3m, pavement corrugated, 7m carriageway, some trees within 3m clear zone, straight and flat, pavement poor, intersection with St Vincent Highway has give way, major drainage issues, sight lines sufficient light to south due to vegetation, radii sufficient		
4,062	Hicks Rd	Old Boundary Rd	McCauley Rd	5,257	P3	Junction with Old Boundary Road has no give way or hazard board, sight lines insufficient to east due to tall grass, sufficient to west, radii insufficient will use full width, 6m carriageway, pavement good, vegetation trimmed along edge, some trees still within 3m clear zone, poor alignment vertically and horizontally but sight lines sufficient, straight alignment with vertical sag curve sight lines light, 5m in sections, pavement has lots of pot holes near southern end, junction with McCauley Road has no hazard board or give way, sight lines to east insufficient due to tall grass, sufficient to west, radii insufficient will use full width		
4,063	Hill Rd	Yorke Hwy	Macs Beach Rd	3,227	P3	Intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 5-6m carriageway, flat and straight, clear zone good, pavement has some soft spots and pot holes, trees generally outside 3m clear zone, branches encroaching on pavement, intersection with Macs Beach Road has give way, sight lines sufficient, radii insufficient		
4,064	Hilsee Rd (Edinburgh)	Sultana Pt Rd	Sheak Beach Rd	2,004	P2	Junction with Sheak Beach Road has give way and hazard board, sight lines sufficient along Sheak Beach Road, grass trimming would improve, radii insufficient will use full width, 7-6m carriageway, straight and flat, clear zone good generally, pavement reasonable, some poor sections, grass growing on edge of pavement, intersection with Watts Road has give ways, sight lines sufficient, radii insufficient will use full width from both sides, 5m pavement very poor quality, junction with Sultana Pt Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
3,995	Holman Rd	Bussenschutt Rd	Green Plains Rd	5,469	P3	Has priority at Green Plains Road, 6-7m carriageway, vegetation growing on edges of pavement, trees within 3m clear zone, bushes encroaching onto pavement, some trees right on edge of pavement, pavement good quality, intersection with Adam Road has give ways, sight lines insufficient due to vegetation needs trimming, radii insufficient will need to use full width, sight lines better from western leg of Homan Road, 6m carriageway, trees and vegetation up to edge, 7m carriageway, pavement good, has priority at Copper Hill Road, intersection with Bussenschutt Road has give way, high angle intersection, sight lines sufficient but observation angles poor, radii insufficient for some movements due to angles		
3,996	Holman Rd	Green Plains Rd	Kainton Rd	2,335	P3	Intersection with Kainton Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, trees within 3m clear zone, pavement generally good, some trees right on edge of pavement, has priority at Green Plains Rd		
3,997	Holman Rd	Kainton Rd	Cocoon Rd	1,631	P3	Has priority at Cocoon Road, trees within 3m clear zone, 6m carriageway, pavement generally good but some large pot holes, straight and flat, some branches overhanging, some vegetation growing on pavement, intersection with Kainton Road has give ways, sight lines sufficient, improved with vegetation trimming, radii insufficient will need full width, large holes show drainage issues		
4,039	Homner Rd (Kalkabury Ward)	Upper Yorke Rd	Pokinghome Rd	1,838	P1	Intersection with Upper Yorke Road has give way, angle very poor, Yjunction set up needs to be squared up, sight lines insufficient to south, sufficient to north but observation angle very poor, radii insufficient for some movements due to angles, 7m carriageway, trees within clear zone, pavement good but shape needs to be improved water running down middle of road, alignment fine, has priority at Pokinghome Road	3 - Major Intersection Upgrade	\$500,000
4,040	Homner Rd (Kalkabury Ward)	Pokinghome Rd	Killo Rd	4,769	P4	Has priority at Pokinghome Road, 7-8m carriageway, trees within 3m clear zone, pavement good, minor drainage issues, straight alignment, large vertical curves with major sight line issues over the top, pavement has pot hole on eastern end, has priority at Killo Road		
4,041	Homner Rd (Kalkabury Ward)	Killo Rd	Corelles Rd	2,464	P4	Has priority at Killo Road, 7-8m carriageway, alignment fine, some pot holes in pavement, trees within 3m clear zone, has priority at Corelles Road		
25,174	Homner Rd (Maitland)	Spencer Hwy	Saint Rd	2,912	P1	Junction with Spencer Highway has sufficient sight lines, radii insufficient due to Honner Road width and underground drainage, 4m wide road, (photo), grass down middle in sections, pavement soft then improves, 5m wide, alignment fine, clear zone good, intersection with Port Victoria Road has give ways, sight lines sufficient, radii insufficient will cross full width, same on western side of intersection, pavement very poor with major drainage issues, 3-4m wide track with grass down middle, branches encroaching, trees just outside clear zone, junction with Saint Road has no hazard board, sight lines sufficient, radii insufficient due to width of Honner Road	8 - Pavement	\$585,000
3,998	Hundred Line Rd	Coonarie Rd	Happy Valley Rd	2,914	P3	Has priority at Happy Valley Road, 7m carriageway, straight with minor crests with minor sight line issues, trees and vegetation generally outside clear zone, pavement poor with corrugations and pot holes, one vertical curve quite steep, has priority at Coonarie Road junction		
4,000	Hundred Line Rd	4km S of Happy Valley Rd	South Coast Rd	4,215	P3	Intersection with South Coast Road needs give way sign, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, 3m clear zone good, pavement corrugated, straight alignment with vertical curves, narrows to 5m over some crests with minor sight line issues, badly corrugated, need to be graded,		
4,008	Hundred Line Rd	Happy Valley Rd	4km S of Happy Valley Rd	3,965	P3	6m carriageway, straight alignment with minor vertical curves, clear zone good, pavement poor with corrugations and lots of pot holes, sight lines generally fine over crests, 6-7m carriageway, has priority at Happy Valley Road		
4,035	Hundred Line Rd	Corny Point Rd	Wurlie Rd	4,545	P3	Intersection with Corny Point Road has give way, sight lines sufficient but light due to horizontal curve, vegetation trimming would improve, radii insufficient will cross centreline, 7m carriageway, pavement poor with corrugations and pot holes, trees within clear zone, vegetation trimmed 1m back, straight alignment with minor crests only minor sight line issues, has priority at Wurlie Road		
4,095	Hundred Line Rd	White Hut Rd	Yelloworowie Rd	3,725	P1	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, vegetation up to edge, pavement poor, junction with Lower White Hut Road has give way although straight through, (photo), Yjunction set up, sight line and radii issues, needs to be sorted out and squared up, priority decided, 5-6m carriageway, pavement very poor condition, vegetation up to edge, has priority at Yelloworowie Road junction	3 - Major Intersection Upgrade	\$250,000
4,103	Hundred Line Rd	Wurlie Rd	White Hut Rd	1,842	P3	Has priority at Wurlie Road intersection, 7m carriageway, vegetation trimmed back, only some trees within 3m clear zone, 7-8m carriageway, pavement has pot holes and corrugations, straight alignment with minor crests, sight lines reasonable, approach sight distance to intersection is poor has advanced warning sign, intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will cross centreline		
4,105	Hundred Line Rd	Yelloworowie Rd	4km S of Yelloworowie Rd	4,001	P2	Has priority at Yelloworowie Road intersection, 5-6m carriageway, vegetation encroaching, trees within 3m clear zone, pavement poor condition, straight alignment with continuous vertical curves, some have minor sight line issues,	8 - Pavement	\$805,000
4,106	Hundred Line Rd	4km S of Yelloworowie Rd	Yorke Hwy	4,126	P2	5m carriageway, pavement poor condition, straight alignment with minor vertical, sight lines sufficient, vegetation up to edge, some trees within 3m clear zone, widens a little to 6m, junction with Yorke highway has give way, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$830,000
4,107	Hundred Line Rd	Yorke Hwy	Coonarie Rd	3,774	P2	Has priority at Coonarie Road junction, 6-7m carriageway, straight alignment with significant vertical curves, vegetation and trees outside clear zone, pavement still corrugated with pot holes, major sight line issues over some crests, road widens in sections, junction with Yorke Highway has give way and hazard board, sight lines sufficient to west, insufficient to east due to horizontal curve and vegetation, small central island with left out slip lane which should be removed, radii insufficient for some movements will cross centreline	4 - Minor Intersection Upgrade	\$150,000
8,045	Hundred Line Rd	Scarlett Runner Rd	Corny Point Rd	1,416	P3	Has priority at Scarlett Runner Road, 30km/h speed zone, 7m seal with 1m unsealed shoulders, centreline only, straight alignment with very minor vertical, vegetation encroaching, trees and stumps in 3m clear zone, end 30 zone, pavement good condition, intersection with Corny Point Road has give way, sight lines sufficient, radii good but likely cross centreline,		
4,002	Hundred Line Rd (Yorketown)	Harry Butler Rd	Pentonvale Rd	3,350	P3	Intersection with Troubridge Hill Rd - Has give way sign, acute intersection angle, sight lines sufficient but poor observation angle, Radius insufficient, right-aid and left-in movements can't be made on pavement due to intersection angle (recommend re-align or ban turns), other movements likely to cross centre line. Mid-block - 8m pavement width, pavement surface good. Trees just outside 3m clear zone with branches encroaching to edge of pavement, some vegetation in pavement at edges. Fairly straight and flat alignment, good sight along road. Intersection with Black Hill Rd - (Intersection is with New Honlon Rd, Black Hill Rd a staggered T continuation of Gypsum Pt Rd) - Has advance give way and give way signs, sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
25,161	Ilfacombe Rd	Yorke Hwy	4.3km W of Yorke Hwy	4,259	P3	Junction with Hundred Line Road has give way, sight lines sufficient, radii insufficient will use full width, dry weather road only sign, 6m carriageway, pavement poor, hard but lots of pot holes some very large, straight alignment with very minor crests with no sight line issues, vegetation along both edges and branches encroaching, some trees within clear zone, widens to 7m for a section then back to 6m		
25,162	Ilfacombe Rd	4.3km W of Yorke Hwy	8.6km W of Yorke Hwy	4,304	P3	6m carriageway, straight alignment, less vegetation, width varies between 5-7m, straight alignment with minor vertical crests, pavement poor, strong but rough and lots of pot holes, clear zone generally good but some isolated trees within 3m, more vegetation further west, some encroaching, minor sight line issues over two of the crests		
25,163	Ilfacombe Rd	8.6km W of Yorke Hwy	12.9km W of Yorke Hwy	4,299	P3	6-7m carriageway, vegetation up to edge on southern side and encroaching on pavement, pavement hard but poor condition with lots of pot holes and very rough, straight alignment with numerous crests with minor sight line issues, narrows to 5-6m carriageway,		
25,164	Ilfacombe Rd	12.9km W of Yorke Hwy	Marion Bay Rd	4,712	P3	6m carriageway, straight alignment with vertical curves, pavement hard very rough, rock exposed, clear zone generally good, some vegetation up to edge, intersection with Marion Bay Road staggered T which is good, has some guide posts, hazard board would improve delineation, sight lines sufficient, radii insufficient will use full width		
25,165	Ilfacombe Rd	Marion Bay Rd	Coast	1,066	P2	Intersection with Marion Bay Road has give way and sealed throat, needs hazard board, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, alignment poor, pavement poor with loose material, clear zone is good, dead end at beach	8 - Pavement	\$215,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.003	Ilman Rd	Yorke Hwy	McKenzie Rd	3,942	P1	Junction with Yorke Highway has give way, sight lines sufficient, radii insufficient due to large central island (photo), needs to be removed, 8.6m carriageway, straight alignment with minor vertical, trees generally outside 3m clear zone, pavement good condition, intersection with Cemeley Road has give way, sight lines sufficient, radii insufficient will cross centreline	4 - Minor Intersection Upgrade	\$150,000
37.745	Investigator Road	Wardang Rd	Wauratee Road	2,866	P3	Junction with Wardang Road has no hazard board, sight lines insufficient, radii insufficient will need full width may not be able to turn due to width, 6-7m carriageway, clear zone good, some grass growing on edges of pavement, bushes encroaching, pavement fine, straight and flat alignment, intersection with Port Victoria Road has give ways, central island, six ways, sight lines sufficient along Port Victoria Road both sides, radii insufficient for some movements due to angles, 7m carriageway, lots of property access along road, some stobies within 3m clear zone, pavement has some pot holes, intersection with Urania Road has give ways, sight lines sufficient, radii insufficient will need full width, junction with Wauratee Road needs hazard board, sight lines sufficient, central island, radii insufficient due to angles	4 - Minor Intersection Upgrade	\$150,000
4.004	Jacka Rd	Yorke Hwy	Harry Butler Rd	4,217	P1	Intersection with Harry Butler Road has give way, six ways junction, sight lines sufficient along Harry Butler Road, radii insufficient for left out and right in need to be banned due to angles, priority confusing with Cudmore Road, should formalise, 6m carriageway, pavement good, some trees in 3m clear zone but generally good, alignment has some horizontal curves but sight lines reasonable, intersection with Yorke Highway has give way, priority confusing with Bowden Road as meets at same point, both ends junctions need to be upgraded, large central island (photo) sight lines to north sufficient, insufficient to south, radii insufficient for some movements due to island	4 - Minor Intersection Upgrade	\$150,000
4.065	Jacobs Ln	Birkin Rd	Yorke Hwy	2,989	P1	Junction with Birkin Road steep up to junction, sight lines insufficient, radii insufficient, 6m carriageway, poor alignment with sight line issues, intersection with Coleman Road has give ways, sight lines insufficient, radii insufficient, road narrows to 5m, trees within 3m clear zone, pavement good, intersection with Clinton Road has give ways, sight lines sufficient, radii insufficient, road 5m wide, junction with Yorke Highway has two legs, sight lines sufficient radii insufficient for some movements, large central island needs to be improved	4 - Minor Intersection Upgrade	\$150,000
4.087	James Well Rd	Piggery Corner Rd	North South Rd	3,392	P3	Has priority at Piggery Corner Road, 7.6m carriageway, trees and vegetation along both edges, pavement quality is good, straight alignment, some vertical but fine, some minor pot holes, intersection with North South Road has give way, five ways, poor angles, sight lines to north insufficient, south sufficient for one leg not the other, radii insufficient for some movements due to angles		
4.109	James Well Rd	Stewies Rd	Mathews Rd	2,777	P4	Has priority at Stewies Road, straight alignment with numerous vertical curves, minor sight lines issues over some crests, 8m plus carriageway width, pavement good quality, trees and bushes along edge of pavement some encroaching, one soft section of pavement at western end, has priority at Mathews Road		
4.110	James Well Rd	Mathews Rd	Piggery Corner Rd	4,790	P4	Has priority at Mathews Road, 7.6m carriageway, straight alignment minor vertical alignment, trees and vegetation along both edges of road, pavement quality is good, some vegetation needs trimming back, has priority at Piggery Corner road		
21.614	James Well Rd	Yorke Hwy	Stewies Rd	2,228	P3	Intersection with Yorke highway has give ways, sight lines just sufficient radii good but may just cross centreline for some movements, 7.8m wide carriageway, small trees within 3m clear zone, gravel road, 400m long steep descent towards Yorke Highway intersection has junction warning sign, straight alignment but lots of vertical curves with minor sight line issues over crests, road width varies, pavement good quality, some bushes encroaching onto pavement, trees on edge, cut and fill ballast right on edge of pavement, has priority at Stewies Road		
4.104	Jericho Rd	Upper Yorke Rd	McLeay Rd	2,560	P3	Intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient due to poor angles, left out not possible, 8m plus carriageway, trees within 3m clear zone, flat and straight alignment, pavement good quality some isolated pot holes, intersection with McLeay Road has give way, sight lines sufficient, can be improved with vegetation removal, radii insufficient will use full width		
4.033	Johns Road	Gap Road	End of Sheelng	1,763	P1	Junction with Gap Road has no give way but appears it should, sight lines sufficient but poor due to angle, Y-junction, have junction with Nalyappa Road to east, radii insufficient for some movements due to angle, 4m carriageway for first 1km then becomes track with grass down middle, vegetation up to edge	3 - Major Intersection Upgrade	\$250,000
4.010	Johnson Rd	Graham Rd	Gillis Rd	4,759	P2	Intersection with Androssan Road and Graham Road needs improvement, both have give ways for Androssan but not each other, then large central island, sight lines are sufficient, radii fine if select correct leg however insufficient if not and may lead to confusion, 7.6m unsealed carriageway, pavement condition is poor with a lot of pot holes, trees within 3m clear zone vegetation encroaching onto pavement, narrows to 6m wide in sections, pavement very poor conditions needs work, width varies 6-8m wide, alignment good, vegetation along full length, intersection with Gillis Road has give ways, sight lines insufficient due to vegetation, needs trimming, radii insufficient for some movements	8 - Pavement	\$955,000
4.066	Kalkabury Rd (Arthurton)	Arthurton Rd	Thomson Rd	603	P3	Junction with Thomson Road has no hazard board, sight lines sufficient, radii insufficient will use full width, 6m carriageway, vegetation on one side, pavement fine, vertical sections but vegetation growing on pavement, straight with vertical curve up to Arthurton Road intersection, has give way, sight lines sufficient, radii insufficient will cross centreline		
4.061	Kalkabury School Rd	Upper Yorke Rd	Waylands Rd	2,630	P3	Intersection with Upper Yorke Road has give way, sight lines sufficient, has central island, radii insufficient for some movements due to island, 7m carriageway, trees within 3m clear zone, pavement needs a grade corrugations and pot holes, alignment good, intersection with Waylands Road has give ways, sight lines sufficient can be improved with vegetation trimming, radii insufficient can use full width		
4.067	Kalkabury School Rd	Holman Rd	Lamshed Rd	2,138	P2	Intersection with Lamshed Road has give ways, sight lines sufficient, radii insufficient will need full road widths, 6.7m wide carriageway, trees within 3m clear zone, pavement fine, intersection with Holman Road has give ways, large island poorly arranged and confusing, some sight lines sufficient, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
4.069	Kalkabury School Rd	Sunnyvale Rd	Waylands Rd	3,649	P3	Intersection with Waylands Road has give ways, sight lines sufficient, radii insufficient but can use full width, 7m carriageway, pavement rough, trees generally outside 3m clear zone but some inside, straight alignment, narrows to 6m, some vegetation growing on pavement, some pot holes in pavement, more trees within clear zone now, intersection with Sunnyvale Road has give ways, sight lines sufficient, radii insufficient but can use full width		
4.077	Kalkabury School Rd	Lamshed Rd	Sunnyvale Rd	3,342	P3	Intersection with Sunnyvale Road has give ways, sight lines sufficient, radii insufficient but can use full width, 6-7m carriageway, bushes up to edge some trees within 3m clear zone, pavement poor with major pot holes need attention, more trees within 3m clear zone, some bushes encroaching, grass growing on pavement edges, straight alignment, intersection with Lamshed Road has give ways, obscured by vegetation, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will need full width		
4.005	Kangaroo Flat Rd	Hardwicke Bay Rd	Wilson Rd	3,900	P2	Intersection with Wilson Rd - Y-junction with no signage - install give way, sight lines insufficient due to vegetation to pavement edge, radius insufficient, vehicle will use full width. Mid-block - Northern end - 8 to 7m pavement width, pavement surface good, lots of trees within 3m clear zone with some trees and branches at edge of pavement. Southern end - 7 to 8m width, no trees, grass growing in pavement at edges. Within segment intersection with Culline Rd - sight lines sufficient for both approaches, radius insufficient, will use full pavement width for both approaches. Intersection with Hardwicke Bay Rd - Has give way sign (faded), sight lines sufficient, radius insufficient, full pavement width required for turns.	3 - Major Intersection Upgrade	\$250,000
4.071	Kangaroo Flat Rd	St Vincent Hwy	Kings Hwy	2,290	P3	Intersection with St Vincent Hwy - Has give way sign, sight lines sufficient, limited to left due to horizontal curve and vegetation. Radius insufficient, vehicles will use full pavement width. Mid-block - 8m pavement width, pavement surface poor with sections of potholing and corrugation, isolated trees within 3m clear zone and a stand at the southern end close to the pavement edge. Stobies along alignment, outside of 3m clear zone. Intersection with Kings Hwy (Sign posted as Queens Hwy) - Kangaroo Flat Rd has priority, has crossroad warning sign. 3.8km length (longer than island)		
4.072	Kangaroo Flat Rd	Kings Hwy	Moorooie Station Rd	3,403	P3	Moorooie Station Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will cross the centre line. Mid-block - 8m pavement width, pavement surface good, isolated trees within 3m clear zone. Intersection with Kings Hwy (Sign posted as Queens Hwy) - Kangaroo Flat Rd has priority, has crossroad warning sign.		
4.073	Kangaroo Flat Rd	Moorooie Station Rd	Bagnells Well West Rd	1,379	P3	Moorooie Station Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will cross the centre line. Mid-block - 8m pavement width, pavement surface good, isolated trees within 3m clear zone. Intersection with Bagnells Well West Rd - Kangaroo Flat Rd has priority, crossroad warning sign present.		
4.074	Kangaroo Flat Rd	Bagnells Well West Rd	Hardwicke Bay Rd	3,266	P3	Intersection with Hardwicke Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, full pavement width required for turns. Mid-block - 8m pavement width, pavement surface good, isolated trees within 3m clear zone. Intersection with Bagnells Well West Rd - Kangaroo Flat Rd has priority.		
4.066	Kellys Hill Rd	Yararoo Rd	Shed Rd	3,207	P2	Has priority at Shed Road intersection, 'walk the Yorke' road again, 7m unsealed carriageway, major dip with steep alignment and curves, minor sight line issues, has dip signs, steep upgrade with poor alignment crest has sight line issues, warning signs, width varies 6-8m has priority at Yararoo Road	2 - Alignment and Signage	\$150,000
4.007	Kellys Hill Rd	Shed Rd	Sampshire Rd	2,143	P1	Junction with Sampshire Rd is a Y-junction, give way and priority not clear, needs sign, also dangerous and curve is hard to see from Kellys Hill Rd, pavement poor, width varies from 4m to 6m, grass up to edge, straight alignment, has priority at Shed Rd intersection, however light curve through intersection	3 - Major Intersection Upgrade	\$250,000
3.982	Kenny Rd	Cane Rd	Rowntree Rd	4,774	P4	Has priority at Cane Road, 8.5m carriageway, pavement has pot holes, trees within 3m clear zone, pavement condition is poor, straight alignment with some vertical but fine, 7m carriageway, has priority at Rowntree Road		
3.984	Kenny Rd	Androssan Rd	Cane Rd	3,411	P3	Junction with Androssan Road has no hazard board, small grassy island with slip road on western side, sight lines sufficient, radii insufficient due to angle and island, remove island, 7m carriageway, pavement poor corrugations and pot holes, trees within 3m clear zone, vegetation encroaching onto pavement, alignment tight with uphill grade for long section, pavement poor with lots of pot holes, 8m wide in sections, alignment good, has priority at Cane Road intersection		
3.999	Kenny Rd	Rowntree Rd	Mason Rd	3,222	P2	Has priority at Rowntree Road, 7.6m carriageway, straight alignment minor vertical, trees within 3m clear zone, pavement good condition, junction with Massons Road has give way and hazard board, five ways, sight lines down some of the legs insufficient, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
4.009	Kiloran Rd	Reservoir Rd	Kainton Rd	1,971	P1	Intersection with Kainton Road has sight line issues, radii insufficient for some movements due to angles, 4-5m unsealed carriageway, trees within 3m clear zone, narrows to one lane with grass down middle, intersection with reservoir Road has insufficient sight lines due to trees, radii insufficient will need full width	5 - Carriageway Widths	\$200,000
4.017	Kiloran Rd	Upper Yorke Rd	Reservoir Rd	4,407	P1	Intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient, need full width, 4m unsealed carriageway, trees within 3m clear zone, pavement poor, alignment tight, not B Double route, junction with Upper Yorke Road has give way, poor angle, Y-junction, sight lines sufficient, radii insufficient for some movements due to angle	5 - Carriageway Widths	\$445,000
4.019	Kinnane Rd	Urania Rd	2.9km E of Urania Rd	2,900	P3	Intersection with Urania Road has give way, sight lines sufficient, radii insufficient will cross centreline, 8m carriageway, clear zone good but vegetation up to edge and encroaching onto pavement, straight and flat alignment, narrows to 7m and some vegetation growing on pavement makes narrower, trees within clear zone in sections, pavement rough in sections		

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.102	Kinnane Rd	2.9km S of Urania Rd	Mumford Rd	2,900	P3	7m carriageway, vegetation up to edge, no trees in clear zone initially, some grass growing on pavement, slight horizontal curve, some isolated trees within 3m clear zone, pavement rough, need a grade as poor in sections, intersection with Mumford Road has give way, sight lines sufficient, radii insufficient will use full width		
4.079	Kito Rd	McLeay Rd	Honner Rd	3,450	P3	Intersection with McLeay Road has give way, sight lines sufficient, radii insufficient can use full width, 7.6m carriageway, trees within 3m clear zone, bushes encroaching onto pavement, pavement good quality has some loose material on surface and minor corrugations, intersection with Honner Road has give ways, sight lines sufficient, radii insufficient but can use full width		
4.080	Kleeman Rd	Maitland Rd	Back Rd	1,858	P3	Intersection with Maitland Road has give ways, sight lines insufficient to east, sufficient to west, radii sufficient, 6m carriageway, vegetation up to edge, some trees in 3m clear zone, pavement good quality, widens to 7m, some light horizontal curves with minor sight line issues, pavement has minor pot holes, intersection with Back Road has give ways, in a dip has warning sign, sight lines insufficient due to angle of roads, radii insufficient will need full width		
4.081	Klein Point Rd (Stansbury)	Gulf View Rd	Rocky Waterhole Rd	2,648	P4	Has priority at Gulf View Road, 8m plus carriageway, vegetation encroaching onto pavement, trees within 3m clear zone, pavement good condition generally but lots of pot holes, 'walk the Yorke' route, minor horizontal curves with minor sight line issues due to vegetation, junction with Rocky Waterhole Road basically a horizontal curve, no widening, sight lines fine		
4.082	Koch Rd	South Kilkerran Rd	Balgowan Rd	653	P1	<b>Junction with South Kilkerran Road has give way, Y-junction, (photo), sight lines insufficient to south due to vegetation and curve, sufficient to north but poor observation angle, radii insufficient for some movements due to angle, needs to be squared up as drivers unlikely to give way, 6m carriageway, straight and flat, pavement average, vegetation up to edge, intersection with Balgowan Road has give way, half knocked over sign, poor angle, sight lines sufficient, radii insufficient will cross centreline</b>	3 - Major Intersection Upgrade	\$250,000
4.083	Koch Rd	Balgowan Rd	3km N of Balgowan Rd	2,998	P3	Intersection with Balgowan Road has give way, sight lines sufficient, observation angle poor due to angles between roads, radii insufficient will cross centreline, 6-7m carriageway, pavement good but some pot holes, straight and flat, some trees within clear zone		
4.084	Koch Rd	3km N of Balgowan Rd	Old Boundary Rd	2,927	P3	6-7m carriageway, straight and flat, pavement good condition, some trees within 3m clear zone, some vegetation up to edge, intersection with Old Boundary Road has give way, sight lines sufficient, radii insufficient will use full width		
4.078	Koolywarle Church Rd	McConkey Rd	Rickaby Rd	2,702	P4	Has priority at McConkey Road, 8m carriageway, straight and flat alignment, vegetation up to edge and encroaching on pavement in sections, some trees within 3m clear zone, pavement good quality, intersection with Rickaby Road has give way, sight lines sufficient, radii sufficient		
4.086	Koolywarle Church Rd	Gun Club Rd	McConkey Rd	1,313	P4	Has priority at Gun Club Road, 7-8m carriageway, pavement good quality, vegetation encroaching onto pavement, flat and straight alignment, has priority at McConkey Road		
4.094	Koolywarle Church Rd	Spencer Hwy	Gun Club Rd	2,697	P4	Intersection with Spencer Highway has give way, sight lines sufficient, radii sufficient, 8m carriageway, pavement good condition, some isolated trees in 3m clear zone but clear zone generally good, alignment is good, has priority at Gun Club Road		
4.020	Kooraka Rd	Esplanade	St Vincent Hwy	2,495	P2	Junction with the Esplanade needs hazard board, sight lines sufficient, radii insufficient will use full width, 7m carriageway, vegetation up to edge, some trees in 3m clear zone, narrows to 5m due to vegetation growing on pavement, branches encroaching over pavement, alignment is good, pavement fine, intersection with St Vincent Highway has give way, sight lines insufficient due to horizontal curve, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.021	Kooraka Rd	St Vincent Hwy	Goldsmith Beach Rd	3,809	P2	Intersection with St Vincent Highway has give way, pavement sufficient, radii insufficient will need width, 3m wide, vegetation up to edge, trees within 3m clear zone, width varies due to grass growing on pavement generally 4m, alignment fine, pavement good, junction with Goldsmith Beach Road needs hazard board, sight lines insufficient to south due to vegetation, radii insufficient need full width	6 - Sight Distance and Junction Widening	\$50,000
25.176	Kooraka Rd	Goldsmith Beach Rd	Stansbury Rd	1,074	P1	Not a formalised road (photo)		
3.993	Lake Fowler Rd	Boothill Station Rd	Munkowurle Rd	2,586	P3	Intersection with Boothill Station Rd - Has give way sign, sight lines sufficient, limited by crests, radius insufficient, full pavement width required. Mid-block - 7 to 8m pavement width, pavement surface good, some vegetation growth in pavement at edges, evidence of ponding at low points. Some minor horizontal and vertical curves, sight lines sufficient. At the western end some trees within the 3m clear zone. Intersection with Munkowurle Rd - Has give way sign, sight lines sufficient, limited by crests, radius insufficient, vehicle will use full pavement width.		
4.022	Lake Fowler Rd	Dease St (Coobowle)	Goldsmith Beach Rd	3,405	P4	Has priority at Goldsmith Beach Road intersection, 5m carriageway with vegetation growing on edges of pavement, widens to 7m, pavement reasonable, clear zone good, straight and flat		
4.023	Lake Fowler Rd	Goldsmith Beach Rd	St Vincent Hwy	3,678	P2	Intersection with St Vincent Highway has give way, seven ways intersection, sight lines along St Vincent Highway sufficient but poor observation angles, needs to be squared up, although large horizontal curve wont make it perfect, radii insufficient for left out and right in need to be banned due to angles, other movements reasonable, cant see into other legs, 6-7m carriageway, pavement corrugated and has pot holes, straight and generally flat, clear zone good at western end then long pile of rocks on southern side within 3m clear zone, has priority at Goldsmith Beach Road intersection	2 - Alignment and Signage	\$150,000
4.096	Lake Fowler Rd	Munkowurle Rd	McEacherns Beach Rd	2,586	P2	Intersection with Munkowurle Rd - Has give way sign, sight lines sufficient, limited by crests, radius insufficient, vehicle will use full pavement width. Mid-block - 7 to 8m pavement width, pavement surface fair, some undulation, weeds growing in pavement at edge, trees just outside 3m clear zone, some isolated trees within 3m, minor crests with sufficient sight lines. Some light horizontal curves with no deterioration or curve widening, sight lines sufficient. Intersection with McEacherns Beach Rd - Has give way sign, sight lines insufficient, restricted by vegetation left and a crest right, radius insufficient, vehicle will use full pavement width.	6 - Sight Distance and Junction Widening	\$50,000
4.131	Lake Fowler Rd	St Vincent Hwy	Boothill Station Rd	6,108	P3	Intersection with St Vincent Hwy - 7 leg intersection, Has advance and give way signs. Unclear how has priority between the 3 minor legs prior to the major road. Sight lines sufficient. Radius insufficient, centre line will be crossed. Mid-block - 7m pavement width, widens to 8m in some parts. Pavement surface good. Some horizontal curves with no curve widening or delineation but sight lines good. Some grass growth within pavement at edge. Some very isolated trees within the 3m clear zone. Intersection with Boothill Station Rd - Has give way sign, sight lines sufficient, limited by crests, radius insufficient, full pavement width required.		
25.177	Lake Fowler Rd	McEacherns Beach Rd	Green Hill Rd	3,565	P1	Intersection with McEacherns Beach Rd - Has give way sign, sight lines insufficient, restricted by a crest to the left, radius insufficient, vehicle will use full pavement width. Mid-block - Eastern end pavement width 4 to 5m, lots of grass growth through pavement at edges and centre (little road use), tree branches to edge of traffic lane, Western end more of a track, 3m pavement / track with grass in centre, trees within 3m clear zone, crest with limited sight lines. Pavement non-existent further west. Not suitable for heavy vehicles. Within segment intersection with Black Gate Rd - has give way signs, sight lines sufficient, radius insufficient, vehicle will track off of pavement for turns. <b>Intersection with Green Hill Rd - No sign, insufficient sight due to vegetation, radius insufficient - gate access, very narrow, truck not physically able to enter.</b>	7 - Major Intersection Widening	\$100,000
4.200	Lake Monday Rd (Yorketown)	Harry Butler Rd	Weavers Rd	1,937	P3	Intersection with Harry Butler Rd - Has give way sign, sight lines sufficient from truck cab height (on inside of horizontal curve), radius insufficient, vehicle will cross centreline, pavement in poor condition (undulating) at the intersection. Mid-block - 7 to 8m road width, pavement surface good, some grass growth within pavement edge, some trees within 3m clear zone. Intersection with Weavers Rd - Has give way sign, confusing priority with two minor roads intersecting just before main road. Small grassed island created between in and out lanes. Sight lines sufficient. Radius insufficient, will cross centre line.		
4.201	Lake Rd	Depot Shed Rd	Olive Tree Rd	3,465	P3	Intersection with Olive Tree Rd - Has give way sign, sight lines sufficient, limited to the right due to a crest, radius insufficient, full pavement width will be used by vehicle. Mid-block - 5m pavement width, pavement surface fair, some potholing and uneven exposed rock, lots of grass growing in pavement at edge and centre (limited road use). Requires maintenance. Horizontal curves with no delineation or widening, sight lines sufficient. Some isolated trees within 3m clear zone. Intersection with Depot Shed Rd - Has T-junction warning sign. Sight lines sufficient. Limited to the east due to vegetation (rim), radius insufficient, vehicle will use full pavement width.		
4.202	Lake Sunday Rd (Yorketown)	Harry Butler Rd	Boothill Station Rd	3,262	P2	Intersection with Boothill Station Rd - Lake Sunday Rd has priority. Mid-block - 7 to 8m pavement width, pavement surface ok, some potholing and corrugation at northern end. Some isolated trees within 3m clear zone and horizontal curves without delineation or curve widening but with adequate sight lines. Within segment intersections with Queens Hwy and Moorowoo Station Rd - both have give way signs (within 30m of each other) - sight distance sufficient at both, in both directions, both radii insufficient, with vehicles requiring full pavement width for both. Intersection with Harry Butler Rd (this section of Lake Sunday Rd appears to be listed as Minlaton Rd) - Has give way sign, Y-junction with see through effect to main road. Sight lines sufficient but poor observation angle due to intersection angle. Radius sufficient for left-out right in movements as straight, insufficient for left-in right out, will track off of pavement. Document to square up intersection or ban these turns.	3 - Major Intersection Upgrade	\$250,000
4.203	Lake Sunday Rd (Yorketown)	Boothill Station Rd	St Vincent Hwy	1,627	P3	Intersection with St Vincent Hwy - Has give way sign, sight lines sufficient, radius insufficient, crosses centreline. Mid-block - 7m pavement width, pavement surface fair, some minor corrugation. Stobbes along alignment, outside 3m clear zone. Some horizontal curves without widening or delineation some with sufficient sight lines through curves, some insufficient. Trees within 3m clear zone. Intersection with Boothill Station Rd - Lake Sunday Rd has priority.		
4.204	Lake View Rd (Minlaton)	Yorke Hwy	Gum Flat Rd	965	P2	Intersection with Yorke Highway has no give way, needs one, sight lines sufficient, radii insufficient will cross centreline, 7.6m carriageway, vegetation along edge and encroaching onto pavement, trees within 3m clear zone, pavement good, vertical curve with minor sight line issues, junction with Gum Flat Road has give way, sight lines sufficient to north, insufficient to south due to horizontal curve, radii sufficient, may cross centreline for some movements	6 - Sight Distance and Junction Widening	\$50,000
4.113	Lakes Rd	Thomson Rd	Pipeline Rd	2,313	P3	Has priority at Thomson Road junction, 7m carriageway, pavement good condition, trees and vegetation in clear zone, some curves but reasonable, intersection with Pipeline Road has give way, sight lines sufficient, radii insufficient will cross centreline		
4.121	Lakes Rd	Bowden Rd	Thomson Rd	2,561	P3	Has priority at Bowden Road junction, 6m carriageway, light horizontal curve with minor sight line issues, pavement reasonable with some sand, some trees within 3m clear zone, better slope issues across lake with 1.2m drop off on edge of pavement, has priority at Thomson Road junction		
4.129	Lakes Rd	Agerly Hill Rd	Bowden Rd	2,883	P4	Has priority at Agerly Hill Road intersection, 6m carriageway, straight alignment with minor vertical, pavement reasonable, trees within 3m clear zone, widens in sections, has priority at Bowden Road junction		

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,205	Lakes Rd	Arhurton Rd	Agery Hill Rd	2,515	P3	Junction with Arhurton Road has give way, sight lines sufficient, radii sufficient, very wide, sealed throat, 6m carriageway, straight alignment with minor vertical only, pavement reasonable, trees within 3m clear zone, has priority at Agery Hill Road		
25,184	Lakes Rd	Pipeline	Old Boundary Rd	5,728	P1	Intersection with Pipeline Road has give way, sight lines sufficient, radii insufficient, will cross centreline, 6m carriageway, vegetation encroaching, fence across road 100m along (photo), other end is one lane track with grass down middle, Junction with Old Boundary Road has give way, sight lines sufficient, radii insufficient use full width.	8 - Pavement	\$1,150,000
4,123	Lamshed Rd	Agery Rd	Coote Rd	3,163	P4	Intersection with Agery Road has give way, see through issues, sight lines sufficient, radii sufficient, 7m carriageway, trees within 3m clear zone, pavement very rough needs grade, horizontal curve with minor sight line issues due to vegetation on inside, pavement improves width varies, has priority at Coote Road		
4,124	Lamshed Rd	Coote Rd	Kalkabury School Rd	3,312	P4	Has priority at Coote Road, 8m carriageway, trees within 3m clear zone, vegetation up to edge, pavement good quality, narrows to 6m due to vegetation growing on both edges of carriageway, alignment is good, has priority at Kalkabury School Road		
4,125	Lamshed Rd	Kalkabury School Rd	Adams Rd	2,037	P4	Has priority at Kalkabury School Road, 7-8m carriageway, vegetation growing on both sides of pavement trees within clear zone, vegetation up to edge of road, pavement in good condition, crest with minor sight line issues, has priority at Adams Road		
4,126	Lamshed Rd	Adams Rd	Bussenschutt Rd	3,235	P1	Has priority at Adams Road, 'dry weather' road sign, road cut down would have drainage issues, trees within 3m clear zone, 7m carriageway some vegetation growing on pavement, with varies, Junction with Bussenschutt Road has give way, large central grassy island two legs, poor angles, sight lines insufficient due to angles, radii insufficient for some movements due to angles, Y-junction set up needs to be improved	3 - Major Intersection Upgrade	\$250,000
4,127	Levens Rd	White Hut Rd	Wurlie Rd	1,638	P3	Has priority at Wurlie Road, 7m carriageway, pavement good condition, clear zone has some trees, straight alignment, intersection with White Hut Road has give way, sight lines sufficient but tight to east, radii insufficient will use full width		
4,196	Levens Rd	Wurlie Rd	Corny Point Rd	3,671	P3	Intersection with Corny Point Road has give way, sight lines sufficient, tight to west, radii insufficient will use full width, 6-7m carriageway, some large pot hole, vegetation up to edge, clear zone generally good, straight alignment with minor vertical only, pavement generally good condition, has priority at Wurlie Road		
4,197	Levens Rd	Corny Point Rd	Brutus Rd	1,961	P2	Intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will cross full width, 4-6m carriageway, trees within 3m clear zone and vegetation up to edge, pavement poor condition, straight alignment, intersection with Corny Point Road has give way, sight lines sufficient, radii insufficient will use full width	5 - Carriageway Widths	\$200,000
25,186	Levens Rd	Yellowoorowie Rd	White Hut Rd	3,596	P2	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will use full width, 4m carriageway, vegetation trimmed, poor alignment, pavement poor, some trees within 3m clear zone but generally good, major pot holes, some sight line issues over crest, junction with Yellowoorowie Road has give way, sight lines to east insufficient due to vertical curve, insufficient to west due to vegetation, radii insufficient will use full width	8 - Pavement	\$720,000
4,210	Lime Kiln Rd (Gum Flat Ward)	Spencer Hwy	Yorke Hwy	2,649	P3	Intersection with Yorke Highway has no give way or hazard board, seems The Gunbarnel Road needs to give way due to hazard board, sight lines along Yorke Highway are sufficient, radii insufficient will cross centreline, 7m carriageway, trees on edge of pavement, vegetation encroaching, pavement reasonable some rock, straight and flat, widens to 8m and clear zone good for western half, intersection with Spencer Highway has give way, sight lines sufficient, has left slip lane and grassy island which should be removed, radii insufficient for some movements due to island		
4,223	Lime Kiln Rd (Stansbury)	Gulf View Rd	St Vincent Hwy	1,124	P3	Intersection with Gulf View Rd has give way sign, sight lines sufficient. Radii are insufficient. Vehicles will cross the centre lines. Mid block width around 7m. Pavement good quality with some corrugation. Some trees within 3m clear zone and some minor veg up to pavement. Intersection with St Vincent Hwy has give way sign, hazard board, sight lines sufficient. Radii insufficient, will cross centre line.		
4,208	Little Glory Rd	Woodgee Rd	Weavers Rd	3,038	P3	Intersection with Weavers Rd - Has give way sign, sight lines sufficient, has a left slip lane and large grassed island - radius insufficient, will cross centre line, consider removing island / slip lane. Mid-block - 8m pavement width, some potholes, stobies along alignment at 3m from pavement. Some trees within 3m clear zone. Cross road intersection within segment at Culline Road - give way signs on both Little Glory Rd approaches, sight lines sufficient both ways, radius insufficient, will use full width. Intersection with Woodgee Rd - Little Glory Rd has priority at this intersection.		
4,235	Little Glory Rd	Weavers Rd	St Vincent Hwy	3,687	P3	Intersection with St Vincent Rd - has give way sign, sight lines sufficient, radius insufficient - will cross the centre line. Hazard board on approach to intersection (due to squaring up) Mid-block - 8m pavement width, reasonable number of trees within 3m clear zone. Pavement ok, some minor potholing and corrugation. Stobies along the alignment, just outside 3m clear zone. Alignment straight, mostly flat. Intersection with Weavers Rd - Has give way sign, sight lines sufficient, radius insufficient, will cross centre line.		
4,249	Little Glory Rd	Minlaton Rd	Woodgee Rd	2,742	P3	Intersection with Woodgee Rd - Little Glory Rd has priority at this intersection. Mid-block - 7 to 8m pavement width, stobies along alignment at 3m from pavement. Some trees within 3m clear zone. Pavement surface good, some potholes. Intersection with Baker Rd (crossroad) - Little Glory Rd has priority. Intersection with Minlaton Rd - Advance T junction sign and hazard board, 45degree angle intersection. Sight lines sufficient, observation angle poor due to intersection geometry. Radius ok, but insufficient for left in due to angle, will use full pavement width for left in.		
4,236	Little Sheoak Rd	Point Turton Rd	Yorke Hwy	1,633	P1	Junction with Point Turton Road has give way, Y-junction, sealed throat, sight lines sufficient, observation angle very poor, radii insufficient for some movements due to angles, large pot holes at end of road (photo), 7m carriageway, pavement in very poor condition, clear zone good, straight alignment with minor vertical curves, intersection with Yorke Highway has give way, sight lines sufficient, radii insufficient will cross centreline	3 - Major Intersection Upgrade	\$250,000
4,237	Little Sheoak Rd	Yorke Hwy	Barrett Rd	3,349	P3	Intersection with Yorke Highway has give way, sight lines sufficient, radii sufficient, left out may just cross centreline, 7m carriageway, clear zone is good, pavement poor condition, straight alignment with minor vertical only some minor sight line issues, some trees within clear zone in short section only, has priority at Barrett Road intersection		
4,238	Little Sheoak Rd	Barrett Rd	Balaklava Rd	2,102	P3	Intersection with Barrett Road has priority, vegetation up to edge, trees within 3m clear zone, 6-7m carriageway, straight alignment with vertical curves some minor sight line issues, pavement poor in sections, has priority at Balaklava Road intersection		
25,188	Little Sheoak Rd	Balaklava Rd	Murdock Rd	2,345	P1	Has priority at Balaklava Road intersection, 6m carriageway, pavement poor with lots of sand on it, vegetation up to edges and trees within 3m clear zone, straight alignment with minor vertical curves, minor and major sight line issues over crests, narrows in sections, pavement very poor junction with Murdock Road has give way, sight lines sufficient to west, insufficient and dangerous to east due to vegetation and road alignment, radii insufficient will use full width (photo)	8 - Pavement	\$470,000
4,128	Lizard Park Dr	Hean Rd	Thiepval Rd	2,816	P2	Intersection with Hean Road has give way, sight lines sufficient, radii insufficient will need full road width, 6-7m carriageway, straight and flat, pavement condition good, trees within 3m clear zone, vegetation up to edge, intersection with Thiepval Road has give way, sight lines sufficient to west, insufficient to east due to vegetation, needs trimming, radii insufficient needs full road width	6 - Sight Distance and Junction Widening	\$50,000
4,154	Lizard Park Dr	Thiepval Rd	Port Victoria Rd	2,085	P2	Intersection with Thiepval Road has give ways, sight lines sufficient, radii insufficient will use full width, 7m carriageway, straight and reasonably flat, trees within 3m clear zone, vegetation up to edge, pavement good quality, intersection with Port Victoria Road has give way, poor angle but drivers can square up, sight lines sufficient, radii insufficient will cross centreline, good gap to other side road at this point	6 - Sight Distance and Junction Widening	\$50,000
4,239	Lizard Park Dr	Barley Stacks Rd	Hean Rd	2,846	P3	Junction with Barley Stacks Road has give way and hazard board, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, culvert under road, pavement good, vegetation up to edge, some trees in clear zone, more trees further north, straight alignment, intersection with Hean Road has give way, sight lines sufficient can be improved with vegetation trimming, radii insufficient need to use full widths		
4,180	Lodge Rd	Standpipe Rd	Hasting Rd	4,866	P2	Intersection with Hasting Road has give way, sight lines to north insufficient due to vegetation, to south sufficient, radii insufficient will need full widths, 7m carriageway, trees and vegetation up to edges of road, pavement good quality, stobies 7m back, pavement has soft sections in sections, alignment has long horizontal curve which is fine, intersection with Standpipe Road has give way, sight lines insufficient due to vegetation, radii insufficient will need full road width	6 - Sight Distance and Junction Widening	\$50,000
4,139	Loveridge Rd	Upper Yorke Rd	Williamson Rd	2,845	P2	Junction with Upper Yorke Road has give way, angle poor, sight lines sufficient, has minor central island due to poor angle, radii insufficient for some movements, needs to be squared up, 8m carriageway, some grass on edges narrows it slightly, straight and flat, trees within 3m clear zone, pavement good, has priority at Williamson Road	4 - Minor Intersection Upgrade	\$150,000
4,166	Loveridge Rd	Williamson Rd	McLeay Rd	2,359	P4	Has priority at Williamson Road, 8m unsealed carriageway, trees within 3m clear zone, pavement good quality, straight alignment minor vertical, has priority at McLeay Road		
4,167	Loveridge Rd	McLeay Rd	Correll Rd	3,230	P3	Has priority at McLeay Road and Davey Road, 7-8m carriageway, trees within 3m clear zone, pavement poor in patches, straight alignment with some vertical curves, intersection with Correll? Honner-Coleman Road has give ways, sight lines sufficient, radii insufficient but can use full width		
4,211	Lovers Ln	Port Vincent Rd	Yorke Hwy	3,150	P2	Intersection with Lovers Lane has give ways, sight lines sufficient, radii insufficient will use full width, 6m carriageway, pavement very poor with major pot holes and soft sections, vegetation up to edge, trees within 3m clear zone, straight alignment with minor vertical only, intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient due to angle, radii insufficient for left out and right in due to angles, need to square up	8 - Pavement	\$635,000
25,178	Lower White Hut Rd	Marion Bay Rd	3.7km E of Marion Bay Rd	3,705	P2	5-7m carriageway generally 6-7m but grass growing on edges of pavement, vegetation up to edge and encroaching in sections, tight horizontal curves with major sight line issues, lots of pot holes in pavement, poor alignment with lots of sight line issues, pavement very poor, narrows to 5m, junction with Marion Bay Rd has give way and hazard board, sight line sufficient, radii insufficient will use full width	8 - Pavement	\$745,000
25,179	Lower White Hut Rd	3.7km E of Marion Bay Rd	7.4km E of Marion Bay Rd	3,705	P3	Typically 6-7m but narrows to 5m in sections, pavement poor, vegetation generally back, horizontal curves with minor sight line issues.		
25,180	Lower White Hut Rd	Hayes Rd	7.4km E of Marion Bay Rd	3,844	P2	Has priority at Hayes Road intersection, 8-7m carriageway, pavement poor with pot holes and loose material, clear zone generally good with vegetation back, tight alignment, narrows to 5m in sections, some major sight line issues around curves which are narrow	8 - Pavement	\$770,000
25,181	Lower White Hut Rd	Hayes Rd	Hundred Line Rd	4,219	P1	Junction with Hundred Line Road has priority around the corner, bi-directional hazard board confusing should be uni-directional, Y-junction set up but has priority, width varies between 7m and 6m, pavement poor in sections, vegetation up to edge with trees in 3m clear zone, lots of pot holes, width typically 6-7m, horizontal curves generally reasonable size with minor sight line issues, minor vertical only, has priority at Hayes Road intersection	3 - Major Intersection Upgrade	\$250,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25,182	Mac's Beach Rd	Hill Rd	Coast	1,970	P1	Eastern end pavement very poor (photo), track really, pavement poor condition and very soft, straight alignment, clear zone good, pavement improves 3-4m track, minor vertical curve with falling which very steep and dangerous, hard to see, intersection with Hill Road has give way, sight lines sufficient, radii insufficient will go off pavement	8 - Pavement	\$395,000
4,134	Main Rd	Port Vincent Rd	St Vincent Hwy	1,737	P1	Junction with Port Vincent Road has give way, is Y-junction, sight lines insufficient due to angles, radii insufficient for some movements (photo), need to square up junction, 6.7m carriageway, some trees within 3m clear zone, pavement good condition, junction with St Vincent Highway has give way, large central grassed island, sight lines sufficient but observation angles very poor, radii insufficient for some movements due to angles, need to remove island and square up	3 - Major Intersection Upgrade	\$500,000
7,611	Main St (Curramulka)	Fourth St	centenary rd	417	P1	5.6m speed zone, 8.5m wide carriageway, slobbies within 3m clear zone, pavement good quality, becomes 7m seal with no line marking, then widens to allow on-street parking, junction with High Street Y-junction, no give way but seems like need to, sight lines sufficient but observation angle poor, radii insufficient but difficult to complete some movements due to angle, need to make priority clear, this junction also includes Fourth St	3 - Major Intersection Upgrade	\$250,000
7,733	Main St (Curramulka)	town limit	Fourth St	211	P3	Centre on town, 14m kerb to kerb, angle parking, centreline, lots of access points, slobbies just behind kerb, pavement is, has priority		
7,478	Marine Pde (Port Moorowie)	Waltoo St	McEacherns Beach Rd	714		Not rated		
7,489	Marine Pde (Port Moorowie)	Moorowie Tce	Waltoo St	594		Not rated		
4,168	Martin Rd	Spencer Hwy	Bluff Rd	3,428	P1	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, trees within 3m clear zone, 6m carriageway, light horizontal curves with minor sight line issues, pavement good condition, vegetation up to edge, junction with Bluff Road has give way and hazard board, Y-junction set up needs to be squared up, sight lines sufficient but poor observation angle, radii insufficient for some movements	3 - Major Intersection Upgrade	\$250,000
4,135	Mary St (Price)	Moorara Rd	Ulonga Rd	686	P2	Just horizontal curve at Moorara Road, 5m wide, pavement poor, flat and straight, trees within the clear zone, junction with Ulonga Road needs hazard board, sight lines sufficient, radii insufficient some moves not possible	8 - Pavement	\$140,000
4,136	Mason Rd	Clinton Rd	Kenny Rd	4,957	P4	Has priority at Kenny Road, 7m carriageway, straight with vertical curves and minor sight line issues on crest, widens to 8m, trees within 3m clear zone, some branches encroaching, pavement condition is poor with pot holes, approach to Clinton Road junction has warning signs, CAMs and sealed throat, give way and hazard board, sight lines sufficient, radii insufficient		
4,146	Mason Rd	Kenny Rd	Pioneer Rd	2,850	P2	Has priority at Pioneer Road, 8m carriageway, plat and straight, trees within 3m clear zone, pavement average but fine, pavement worse as segment goes west, more pot holes and chavens, has priority at intersection with Kenny Road, poorly set up however	8 - Pavement	\$570,000
4,138	Mathews Rd	James Well Rd	Redding Rd	3,540	P2	Intersection with Redding Road has give way, sight lines to west insufficient due to vertical curve, sufficient to east, radii insufficient will cross centreline, 7m carriageway, pavement good condition, straight alignment, trees within 3m clear zone, edge of pavement not straight due to drains being cut into road, vertical curve sight lines fine, intersection with James Well Road has give way, sight lines sufficient, light to east due to vegetation, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,130	McCauley Rd	Spencer Hwy	Rifle Range Rd	2,893	P2	Junction with Spencer Highway has hazard board, sight lines insufficient to south very poor, to north just sufficient, radii insufficient for some movements, pavement poor at junction where water has talled from Spencer Highway, 6m carriageway, trees within 3m clear zone, pavement has lots of pot holes poor condition, tall grass up to edge, alignment fine, has priority at Rifle Range Road	8 - Pavement	\$580,000
4,140	McCauley Rd	Rifle Range Rd	Upper Yorke Rd	3,125	P3	Has priority at Rifle Range Road, 6.7m carriageway, pavement good, trees within 3m clear zone, straight alignment, widens to 8m in sections, trees along edge of carriageway, intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient for some movements will cross centreline		
4,141	McCauley Rd	Upper Yorke Rd	Broster Rd	2,785	P3	Intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient for some movements will cross centreline, 7m carriageway, pavement good quality, trees within 3m clear zone up to edge some branches encroaching, intersection with Broster Road has give way sight lines insufficient to north due to vegetation needs trimming, sight lines to south, radii insufficient for some movements will cross centreline of road		
4,142	McCauley Rd	Broster Rd	Clinton Rd	3,544	P2	Intersection with Broster Road has give ways, sight lines sufficient, radii insufficient for some movements will cross centreline of road, 7m carriageway, trees within 3m clear zone, pavement good quality, narrows to 6m with steep 30cm high cuttings on each side from grading, pavement not as good quality here, branches encroaching, intersection with Clinton Road has give ways, six ways intersection which is poor, sight lines insufficient, radii insufficient for some movements, major drainage issues with large pools of water	2 - Alignment and Signage	\$150,000
4,143	McCauley Rd	Clinton Rd	Adrossan Rd	2,413	P3	Intersection with Clinton Road has give way, sight lines sufficient, radii insufficient for some movements will cross centreline hard to see into road due to vegetation, 6m carriageway, trees within 3m clear zone, pavement good quality with minor isolated pot holes only, widens to 7-8m carriageway, straight alignment with minor vertical, intersection with Adrossan Road has give ways, sight lines sufficient radii insufficient for some movements		
4,144	McConkey Rd	Rickaby Rd	Barkers Rocks Rd	3,201	P2	Junction with Rickaby Road has give way, sight lines sufficient, poor angle and poor observation angle, should be squared up, radii insufficient for left in due to angle, others acceptable, 7-8m carriageway, trees generally outside 3m clear zone, vegetation up to edge in sections, pavement fine, light horizontal curve but sight lines acceptable, intersection with Barkers Rocks Road has give way, sight lines insufficient to west due to vegetation, sufficient to east, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,212	McConkey Rd	Barkers Rocks Rd	Koolyurbe Church Rd	3,399	P2	Intersection with Barkers Rocks Road has give way, sight lines sufficient to east, insufficient to west due to vegetation, radii insufficient will use full width, 7m carriageway, pavement average, vegetation up to edge, pavement, some trees within 3m clear zone, straight alignment, junction with Koolyurbe Church Road needs hazard board, has junction warning sign, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,181	McFarlane Rd	Pine Point Rd	Piggery Corner Rd	3,915	P1	Intersection with Piggery Corner Road has give way, sight lines sufficient, radii insufficient will cross full width, 6.7m carriageway, pavement good condition, some trees within 3m clear zone, vegetation encroaching in sections, typically 7m straight and flat, junction with Pine Point Road has give way, Y-junction, sight lines sufficient when squared up, poor observation angles, radii insufficient for some movements due to angle, needs to be improved as likely drivers will fail to give way (photo)	3 - Major Intersection Upgrade	\$250,000
4,233	McFarlane Rd	Yorke Valley Rd	Davies Rd	3,361	P4	Has priority at Davies Road intersection, 6m carriageway, straight and generally flat, pavement good condition, trees within 3m clear zone along southern side, alignment fine, some minor pot holes, has priority at Yorke Valley Road		
4,241	McFarlane Rd	North South Rd	Yorke Valley Rd	974	P4	Intersection with Yorke Valley Road has priority, 6m carriageway, pavement good condition, clear zone is good, has priority at North South Road intersection		
4,250	McFarlane Rd	Piggery Corner Rd	North South Rd	3,397	P3	Has priority at North South Road intersection, 6.7m carriageway, vegetation encroaching onto pavement, trees within 3m clear zone, pavement condition is good, typically 6m carriageway, straight alignment with vertical curve, narrows to 6m in section and pavement very uneven, intersection with Piggery Corner Road has give way, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will use full width		
25,189	Mchemy Rd	Melton South Rd	Kainton Rd	2,815	P1	Intersection with Melton South Road has give ways, sight lines sufficient, radii insufficient, will need full width, 6m carriageway, trees and vegetation along both edges and encroaching onto pavement, alignment light in sections with minor sight line issues, pavement 5m wide only, pavement poor condition, junction has give way but two roads Barre Rd and Kainton Road, large grassy island, poorly set up, sight lines insufficient, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
4,243	McKenzie Rd (Gum Flat Ward)	Ilman Rd	Bluff Rd	3,444	P3	Intersection with Ilman Road has give ways, sight lines sufficient, radii sufficient, 8-9m carriageway, pavement poor condition, some trees within 3m clear zone, vegetation up to edge, poor alignment with lots of curves and minor sight line issues, large rocks on edge of pavement, junction with Bluff Road has give way and hazard board, sight lines sufficient but marginal due to horizontal curve, radii sufficient will cross centreline some moves		
25,190	McKenzie Rd (Innes-Penton Vale Ward)	South Coast Rd	3.4km NW of South Coast Rd	3,401	P3	6m carriageway typically, clear one generally good some trees within it, straight alignment with some vertical curves, pavement poor, lots of sand and pot holes, light horizontal curve with minor sight line issues, rock exposed in pavement, junction with South Coast Road has give way, sight lines sufficient, radii insufficient will cross centreline		
25,191	McKenzie Rd (Innes-Penton Vale Ward)	3.4km NW of South Coast Rd	Wild Dog Hill Rd	2,565	P1	Junction with Wild Dog Hill Road has give way, sight lines insufficient due to vegetation, needs trimming, radii insufficient will use full width, 5-6m carriageway, lots of sand on pavement poor condition, clear zone generally good, lots of crests but sight lines reasonable, end of segment tight horizontal curve with major sight line issues due to vegetation, trucks will cross whole road width, major issue (photo)	6 - Sight Distance and Junction Widening	\$50,000
4,213	McLeay Rd	Upper Yorke Rd	Kitto Rd	2,356	P3	Has priority at Kitto Road, 7m carriageway, trees within 3m clear zone, narrows to 6m in sections, pavement needs a grade, vertical curve but sight lines sufficient, intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient for left in due to angle, should square up better		
4,214	McLeay Rd	Kitto Rd	Loveridge Rd	2,440	P3	Intersection with Loveridge Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, pavement rough, trees within 3m clear zone, up to edge of pavement, straight alignment, flat, some pot holes, has priority at Kitto Road		
4,192	Miller Rd	Port Victoria Rd	Saint Rd	3,495	P2	Intersection with Port Victoria Road has give way opposite end of road, has to give way to Chinnams Well Road first, sight lines sufficient, radii insufficient, the junction with Port Victoria Road has give way, poor angle, sight lines to south sufficient, sufficient to north, radii insufficient will cross centreline, 7m carriageway, straight and flat, vegetation up to edge, trees in clear zone in sections, pavement good condition, intersection with Saint Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,193	Miller Rd	Saint Rd	Greenlade Rd	1,229	P1	Intersection with Saint Road needs give way, has not got a sign, sight lines sufficient, radii insufficient, will cross centreline, 6m carriageway, straight and flat, pavement fine, clear zone generally good, intersection with Greenlade Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4,194	Miller Rd	Greenlade Rd	Balgowan Rd	3,876	P2	Intersection with Greenlade Road has give way, sight lines insufficient due to vegetation and horizontal curve, radii insufficient will cross centreline, dry weather road, pavement poor, 5-6m carriageway, straight alignment with long upgrade, clear zone generally good with isolated trees only, intersection with Balgowan Road has give way, sight lines to west insufficient due to vegetation, sufficient to east, radii insufficient will use full width	8 - Pavement	\$780,000
4,195	Mills Rd	Port Julia Rd	St Vincent Hwy	1,650	P1	Junction with Port Julia Road is Y-junction, sight lines sufficient but poor observation angle, radii insufficient for some movements due to angle, needs to be squared up, (photo), intersection with Moorara Way has give ways, sight lines sufficient, radii insufficient will need full width both ways, 7m carriageway, pavement poor, trees within 3m clear zone, junction with St Vincent Highway has hazard board, sight lines sufficient, radii sufficient	3 - Major Intersection Upgrade	\$250,000
4,178	Mine Hill Rd	North South Rd	Gillis Rd	3,520	P2	Intersection with Gillis Road has give ways, sight lines insufficient to south due to vegetation needs trimming, good to north, radii insufficient for some movements, 5-6m carriageway, trees within 3m clear zone, pavement is poor soft and damaged in sections, alignment has minor horizontal curves and minor crest sight lines light, pavement soft with only a small amount of rain, some horizontal curves with minor sight line issues, intersection with North South Road has give way, sight lines insufficient due to vegetation, radii insufficient for some movements	8 - Pavement	\$705,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,179	Miniacowie Rd	Yorke Hwy	Treasure Rd	3,291	P3	Has priority at Treasure Road, 7.8m carriageway, pavement very rough, straight alignment with crest, sight lines fine, some trees within 3m clear zone, some vegetation up to edge, intersection with Yorke Highway has give way, sight lines sufficient, poor observation angle due to other legs, radii insufficient for left in but other movements good		
4,248	Miniacowie Rd	Treasure Rd	Beegodye Wells Rd	3,352	P2	Junction with Beegodye Well Road has hazard board, sight lines insufficient due to vegetation and horizontal curve, radii insufficient will cross centreline, straight alignment with minor crests, sight lines generally fine, pavement good, some trees within 3m clear zone, some vegetation up to edge, has priority at intersection with Treasure Road	6 - Sight Distance and Junction Widening	\$50,000
25,192	Moldartby Rd	Orrie Cowie Rd	Tuckokowie Rd	3,270	P1	Junction with Orrie Cowie Road has give way, Y-junction shape, central grassy island, sight lines sufficient but observation angle poor, radii insufficient for some movements due to angle and island, (photo) 5.7m wide carriageway, pavement generally good but poor in patches, clear zone good, alignment tight but sight lines sufficient, some branches encroaching onto pavement, junction with Tuckokowie Road has give way, Y-junction angle, sight lines sufficient but poor observation angle, radii insufficient for some movements needs to be squared up	3 - Major Intersection Upgrade	\$250,000
4,225	Mooney Rd	Upper Yorke Rd	Arthurton Rd	3,467	P1	Intersection with Sawley Road and Upper Yorke Road is confusing as who has priority, no give way, large central island, sight lines sufficient, radii insufficient for some movements, 5.6m carriageway, trees within 3m clear zone, 4-way weather road sign, straight with minor vertical, narrows to 4m, pavement poor with soft sections, clear zone good for a while then trees again, road widens at western end, intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient likely to cross centreline	4 - Minor Intersection Upgrade	\$150,000
4,242	Moody Rd	South Kilkernan Rd	Nalyappa Rd	4,057	P3	Has priority at South Kilkernan Road, 7.8m carriageway, pavement good condition, clear zone generally good, isolated trees in clear zone only, alignment fine, straight with minor vertical only, intersection with Nalyappa Road has give way, sign poorly located, sight lines sufficient, vegetation trimming would improve, radii insufficient will cross centreline		
25,194	Moorara Rd (Price)	Reliance Rd	Mary St	876	P1	Junction with Reliance Road needs hazard board, sight lines sufficient, radii insufficient cant complete turns, 3m wide track trees within clear zone, pavement poor, water runs down road and damages pavement, floodway, intersection with Gardner St has give ways, sight lines sufficient, radii insufficient will need full width very tight, 5.6m carriageway pavement poor has rutting, 90 degree bend into Mary Street	8 - Pavement	\$180,000
4,240	Moorara Rd (Wool Bay)	Coringie Rd	Hayward Park Rd	991	P2	Junction with Coringie Road needs hazard board, sight lines sufficient, can be improved with vegetation trimming, poor angle, can be squared up, radii insufficient for some movements due to angle, 4m carriageway, clear zone generally good, stobes outside 3m, junction with Hayward Park Road needs hazard board, sight lines sufficient, radii insufficient will need full road width to complete, hard to see in	5 - Carriageway Widths	\$100,000
4,118	Moorowie Station Rd	Tuckokowie Rd	Yorke Hwy	1,810	P3	Intersection with Yorke Hwy - Has advance and give way signs, Sight lines sufficient, radius insufficient, will cross centre line, Mid-block - 8m pavement width, pavement surface good, some very isolated potholing, stobes along alignment some are inside 3m clear zone, Intersection with Tuckokowie Rd - Moorowie Station Rd has priority		
4,119	Moorowie Station Rd	Yorke Hwy	Yorke Hwy (White Hul Rd)	1,413	P3	Intersection with Yorke Hwy (west end) - Has dual give way and dual advance give way signs, Intersection on very acute angle - continuation of main highway (see through effect), Has tree separate offset, Has tree separate offset with grass islands between, Sight lines sufficient but observation angles poor, Left out right in turns very tight, if using main access will track off pavement, other turns ok as straight alignment, recommend squaring up, Mid-block - 8m pavement width, pavement surface average - potholing, isolated trees within 3m clear zone, stobes along alignment outside 3m clear zone, Intersection with Yorke Hwy (east end) - Has advance and give way signs, Sight lines sufficient, radius insufficient, will cross centre line.		
4,156	Moorowie Station Rd	3.3km W of Pookawarowie Rd	Tuckokowie Rd	3,228	P4	Intersection with Tuckokowie Rd - Moorowie Station Rd has priority, Mid-block - 7 to 8m pavement width, pavement surface good, stobie poles just outside 3m clear zone, Straight and flat alignment.		
4,217	Moorowie Station Rd	Hary Butler Rd	Bookamurray Rd	2,500	P3	Intersection with Hary Butler Rd - (Moorowie here listed as Minlaton Rd) - Intersects through horizontal curve on main road - single / dual access intersection, Sight lines sufficient, if consolidated to the main access, radius insufficient for some movements with vehicle using full pavement width, Mid-block - 8m pavement width, pavement surface poor, some corrugation and potholing, Stobes along alignment, outside 3m clear zone and some isolated trees within also, Within segment intersection with Lake Sunday Rd (Moorowie Station Rd has priority, has crossroad warning sign), Intersection with Bookamurray Rd - Moorowie Station Rd has priority.		
4,218	Moorowie Station Rd	Bookamurray Rd	Kangaroo Flat Rd	2,677	P4	Intersection with Bookamurray Rd - Moorowie Station Rd has priority, Mid-block - 8m pavement width, pavement surface poor, some corrugation and potholing, Stobes along alignment, outside 3m clear zone and some isolated trees within also, Intersection with Kangaroo Flat Rd - Moorowie Station Rd has priority, Crossroad sign present.		
4,219	Moorowie Station Rd	Kangaroo Flat Rd	Pookawarowie Rd	4,118	P4	Intersection with Kang Rd - Moorowie Station Rd has priority, Crossroad sign present, Mid-Block - 8m pavement width, pavement surface average, some heavy corrugation, Stobie poles along alignment, just outside 3m clear zone, An isolated tree within the 3m clear zone, Horizontal curves with no delineation or curve widening, sight lines sufficient, Within segment Intersection with Cudroowie Rd - Moorowie Station Rd has priority, curve shortly after no delineation - sight curve - consider hazard board, sight lines sufficient, Intersection with Pookawarowie Rd - Moorowie Station Rd has priority, Crossroad sign present.		
4,220	Moorowie Station Rd	Pookawarowie Rd	3.3km W of Pookawarowie Rd	3,306	P3	Mid-block - 7 to 8m pavement width, pavement surface good, stobie poles just outside 3m clear zone, Some horizontal curves with no delineation or curve widening, some with sufficient sight lines, some insufficient, Some grass growth in pavement at edges, Some crests sight lines limited but sufficient, some isolated trees within 3m clear zone, Intersection with Pookawarowie Rd - Moorowie Station Rd has priority		
4,150	Mount Terrible Rd	Parsons Beach Rd	Watson Beach Rd	3,740	P1	Has priority at Watson Beach Road, 7m carriageway, pavement very rough, vegetation along edges, some trees within 3m clear zone, alignment reasonable, intersection with Parsons Beach Road has give way, sight lines to west insufficient due to vertical curve, major sight line issue as sealed high speed road, sufficient to east, radii insufficient will cross centreline (photo)	6 - Sight Distance and Junction Widening	\$50,000
4,151	Mount Terrible Rd	Watson Beach Rd	Cockle Beach Rd	2,739	P3	Intersection with Cockle Beach Road has give way, sight lines sufficient, radii insufficient will use full road width, 7m carriageway, pavement badly corrugated, vegetation up to edge, some trees within 3m clear zone, pavement poor, has priority at Watson Beach Road		
4,152	Mount Terrible Rd	Cockle Beach Rd	Miniacowie Rd	3,157	P2	Intersection with Miniacowie Road has give way, sight lines sufficient, radii insufficient will need full road width, crest just before junction, approach sight distance to intersection very poor has advanced give way warning sign, 8m carriageway, several horizontal curves with tight alignment and minor sight line issues, road straightens up, vegetation up to edge in sections, some trees in 3m clear zone, pavement reasonable condition, another horizontal curve with warning signs very tight major sight line issues, crest, intersection with Cockle Beach Road has give way, sight lines sufficient, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4,153	Mulburra Park Rd	Cemetery Rd	Powerline Rd	4,888	P3	Has priority at Powerline Road, crest on approach to the intersection leads to very poor approach sight distance, minor sight line issues, has advanced intersection warning sign, trees within 3m clear zone, straight alignment, 6.7m carriageway, trees go then come back in clear zone, pavement fine, numerous crests sight lines fine, some minor pot holes, has priority at Cemetery Road		
4,221	Mulburra Park Rd	Powerline Rd	St Vincent Hwy	4,708	P3	Intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient will cross middle of road, 5.6m carriageway, straight alignment with minor vertical, trees within 3m clear zone, pavement reasonable, width varies, pavement has minor pot holes and corrugations, minor vertical curves, one on approach to intersection gives poor approach sight distance, has priority at Powerline Road intersection		
4,222	Mulburra Park Rd	St Vincent Hwy	Old Coast Rd	1,960	P1	Junction with Old Coast Road has give way, sight line sufficient, vegetation trim would improve, radii insufficient may cross centre of road, 4m carriageway, pavement wider but grass growing on it, some grass down centre of road, trees generally outside 3m clear zone, intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient will cross centreline on Mulburra Park Road as very narrow	5 - Carriageway Widths	\$200,000
4,227	Mumford Rd (Gum Flat Ward)	Hary Butler Rd	Bulbaowie Rd	2,872	P1	Intersection with Bulbaowie Road has no give way but seems like it should, sight lines sufficient, Y-junction angle, poor observation angle, left out and right in need to be banned due to angle, needs to be squared up, 6m carriageway, trees within 3m clear zone, advanced junction warning sign provided, grass and vegetation growing on edge in sections, pavement average quality, straight alignment with minor vertical, half way clear zone improves and width increases to 8m intersection with Hary Butler Road has give way, sight lines sufficient to north, insufficient to south due to horizontal curve and vegetation, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
4,216	Mumford Rd (Kakabury Ward)	Kinane Rd	Wauraltee Rd	1,948	P2	Intersection with Wauraltee Road has give way, sight lines to north insufficient due to horizontal curve and vegetation, sufficient to south, radii insufficient will cross full width, 6m carriageway, some vegetation growing on pavement edges, clear zone ok, flat and straight, has priority with Kinane Road intersection	6 - Sight Distance and Junction Widening	\$50,000
4,224	Mumford Rd (Kakabury Ward)	Nelligan Rd	Kinane Rd	1,776	P4	Has priority at Kinane Road intersection, 6.7m carriageway, generally straight and flat, pavement good condition, clear zone good, intersection with Nelligan Road has priority		
4,226	Mumford Rd (Kakabury Ward)	Wauraltee Rd	Conservation Dr	2,321	P1	Junction with Conservation Drive priority unclear, major sightline issues, radii insufficient for heavy vehicles, 4.8m carriageway, pavement reasonable, clear zone generally good, straight and flat alignment, some trees within 3m clear zone, intersection with Wauraltee Road has give way, sight lines sufficient radii insufficient will cross centreline	5 - Carriageway Widths	\$235,000
4,232	Mumford Rd (Kakabury Ward)	Spencer Hwy	Nelligan Rd	1,942	P3	Intersection with Nelligan Road has priority, 6.7m carriageway, flat and straight, pavement condition good, trees within 3m clear zone, vegetation up to edge in sections, intersection with Spencer Highway has give way, sight lines sufficient, vegetation trimming would improve, radii insufficient will use full width		
4,155	Munkowurle Rd	Lake Fowler Rd	New Honiton Rd	2,615	P2	Intersection with Lake Fowler Rd - Munkowurle Rd has priority, has crossroad warning sign, Mid-block - 7 to 8m pavement width, pavement surface fair, some very minor potholes and corrugation, Some crests and minor horizontal curves with sufficient sight lines, some trees within 3m clear zone, Intersection with New Honiton Rd - Has give way sign, Sight lines insufficient to the right due to vegetation (trim), radius insufficient, vehicle will track over the centreline.	6 - Sight Distance and Junction Widening	\$50,000
4,163	Munkowurle Rd	Waterloo Bay Rd	Lake Fowler Rd	2,335	P3	Intersection with Lake Fowler Rd - Munkowurle Rd has priority, crest on approach restricting sight to intersection but has crossroad warning sign, Mid-block - 7 to 8m pavement width, pavement surface good, some minor corrugation, trees within the 3m clear zone and some vegetation up to pavement edge, two horizontal curves through crests with no delineation or curve widening and insufficient sight lines, Intersection with Waterloo Bay Rd - Has give way sign, sight lines limited in both directions by crests but sufficient for truck cabin heights, Radius insufficient, vehicle will use full pavement width.		

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.228	Munkowurle Rd	St Vincent Hwy	2.5km S of St Vincent Hwy	2,492	P3	Mid-block - 7 to 8m pavement width, pavement surface good, some grass growing in pavement at edges, trees within 3m clear zone, horizontal curve through a crest with no delineation or curve widening sight lines insufficient, intersection with St Vincent Hwy - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4.229	Munkowurle Rd	2.5km S of St Vincent Hwy	Waterloo Bay Rd	2,652	P3	Intersection with Waterloo Bay Rd - Has give way sign, sight lines limited in both directions by crests but sufficient for truck cabin heights, radius insufficient, vehicle will use full pavement width.		
25.198	Murch Rd (Koolawurle)	Mount Rat Rd	Rocky Glen Rd	692	P1	Mid-block - 8m pavement width, pavement surface ok, some minor corrugation and some uneven exposed rock, lots of trees in 3m clear zone, horizontal curve with no delineation or curve widening, insufficient sight lines, and another horizontal curve with sufficient sight lines.	5 - Carriageway Widths	\$70,000
25.199	Murdock Rd	Sturt Bay Rd	Little Sheak Rd	3,663	P2	Junction with Rocky Glen Road has no hazard board, sight lines insufficient to east due to vegetation, sufficient to west, radii insufficient due to central grassy island, 4m carriageway, pavement ok, clear zone good, some pot holes and some rock exposed in pavement, straight and flat, junction with Mount Rat Road has no hazard board, sight lines sufficient, radii insufficient will cross centreline.	8 - Pavement	\$735,000
25.203	Murdock Rd	Little Sheak Rd	Wild Dog Hill Rd	3,515	P2	Junction with Sturt Bay Road has give way and hazard board, sight lines to north sufficient, to south insufficient due to vertical curve, radii insufficient will use full width, 6m carriageway, vegetation along both sides, pavement very sandy and soft, straight alignment with vertical curves, minor sight line issues, width varies, pavement very poor condition.	8 - Pavement	\$705,000
25.204	Museum Rd (Edinburgh)	St Vincent Hwy	New Honiton Rd	1,198	P1	Has priority at Little Sheak Road junction, 6-7m carriageway, pavement very poor condition, lots of sand on pavement, vegetation up to edge and branches encroaching onto pavement, some trees within 3m clear zone, straight alignment with large vertical curves and minor sight line issues over curves, pavement very poor width narrows slightly, junction with Wild Dog Hill Road has give way, needs hazard board, sight lines sufficient, radii insufficient will use full width.	8 - Pavement	\$240,000
4.897	Nankivell Rd	Pedler Rd	Cadd Rd	4,221	P1	Junction with New Honiton Road has give way, sight lines sufficient, branch trimming to west required, radii insufficient (photo).	5 - Carriageway Widths	\$425,000
4.899	Nelligan Rd	Mumford Rd	Wauralee Rd	3,720	P2	Junction with Cadd Road has needs a hazard board or give way, sight lines sufficient, radii insufficient will use full width, has gales which are open, along paddock basically, 3m track, pavement fine, poor alignment, pile of rubble in clear zone, gales onto Arthurton Road, intersection needs give way, sight lines sufficient, radii insufficient will use full width, northern side of Arthurton Road has give way, poor angle but sight lines sufficient, radii insufficient, 5-6m carriageway, trees up to edge, pavement good condition, intersection with Pedler Road has give way, sight lines sufficient, radii insufficient will use full width.	6 - Sight Distance and Junction Widening	\$50,000
4.907	Nelligan Rd	Spencer Hwy	Mumford Rd	5,914	P2	Junction with Black Bobs Road has give way, sight lines insufficient due to vegetation to east, priority confusing with other legs, radii insufficient for some movements due to angles, 7-8m carriageway, trees within 3m clear zone, vegetation up to edge, pavement good condition, horizontal curves with minor sight line issues, trees within 3m clear zone, intersection with Mumford Road has give way, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will need full width for some movements due to angles.	6 - Sight Distance and Junction Widening	\$50,000
4.843	Newbold Rd	Spencer Hwy	Wauralee Rd	1,331	P3	Intersection with Mumford Road has give way, sight lines sufficient, vegetation trimming would improve, radii insufficient will need full width, 7m carriageway, pavement minor corrugations, some trees in clear zone then improves, poor alignment with horizontal and vertical curves which have sight line issues, widths generally enough to stay on correct side of road, 6-7m carriageway, intersection with Spencer Highway has give way however confusing with Urania Road leg as to who has priority as both meet here, sight lines sufficient but observation angle very poor, also another leg on western side of Spencer Highway, radii insufficient right out and left in movements need to be banned due to angle.	6 - Sight Distance and Junction Widening	\$50,000
4.814	Newbold Rd	Wauralee Rd	Gun Club Rd	3,237	P2	Intersection with Wauralee Road has give way, sight lines insufficient to south due to horizontal curve, sufficient to north, poor angle, radii insufficient for left out due to angle, other movements fine, 7m carriageway, straight and flat, pavement good condition, some vegetation up to edge, intersection with Spencer Highway has give way, steep upgrade and sealed throat, sight lines insufficient to south due to vertical curve, sufficient to north can be improved with vegetation trimming, radii sufficient.	4 - Minor Intersection Upgrade	\$150,000
25.205	Norris Rd	Yorke Hwy	Marion Bay Rd	1,510	P3	Has priority at Gun Club Road intersection, 7-8m carriageway, straight and flat, vegetation up to edge of pavement, pavement condition is good, even wider than 8m in sections, intersection with Wauralee Road has give way, sight lines sufficient, sealed throat, left slip leg which is not ideal, radii insufficient due to central island for some movements.		
4.835	North South Rd	Clinton Rd	Mine Hill Rd	2,015	P3	Junction with Marion Bay Road has give way, sight lines sufficient, radii sufficient, poor approach sight distance to junction but has warning sign, 6m carriageway, pavement soft with lots of pot holes, some vegetation up to edge, clear zone generally good, alignment tight with some horizontal curves minor sight line issues, major pot holes, junction with Yorke Highway has give way, sight lines sufficient, radii insufficient will need full width.		
4.844	North South Rd	Black Bobs Rd	Anderson Rd	3,186	P2	Intersection with Mine Hill Road, 7m carriageway, pavement good, alignment fine, vegetation along edge and trees within 3m clear zone, intersection with Clinton Road has give way, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will cross centreline.	6 - Sight Distance and Junction Widening	\$50,000
4.908	North South Rd	Maitland Rd	Back Rd	3,956	P3	Intersection with Anderson Road has give way, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, straight alignment with large vertical curve sight lines sufficient, vegetation up to edge, some trees in 3m clear zone, pavement good with minor corrugations, intersection with Black Bobs Road has give way, sight lines insufficient both directions due to vegetation, needs trimming, radii insufficient will use full width.		
4.916	North South Rd	Mine Hill Rd	Maitland Rd	3,442	P3	Intersection with Back Road has give way, sight lines sufficient, radii insufficient will use full width, 8m carriageway, trees within 3m clear zone, vegetation up to edge, straight alignment vertical curve, vegetation and branches encroaching onto pavement, pavement good condition, intersection with Maitland Road has give way, sight lines sufficient, radii insufficient will cross centreline.		
4.918	North South Rd	Back Rd	Hasting Rd	2,988	P2	Intersection with Maitland Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, vegetation up to both edges, trees within 3m clear zone, pavement good condition, some large pot holes but only a couple, slight horizontal curves but sight lines reasonable, vertical curve sight lines sufficient, vegetation encroaching onto pavement in sections, has priority at Mine Hill Road.	6 - Sight Distance and Junction Widening	\$50,000
4.919	North South Rd	Hasting Rd	Pine Point Rd	2,838	P2	Has priority at Hastings Road, 7-8m carriageway, good road just poor intersections, trees within 3m clear zone and vegetation up to edge, pavement good condition, straight alignment with minor vertical, intersection with Back Road has give way, sight lines to west insufficient, and east insufficient due to vegetation, radii insufficient will use full width.	6 - Sight Distance and Junction Widening	\$50,000
4.920	North South Rd	Pine Point Rd	Sandy Church Rd	3,389	P2	Intersection with Pine Point Road has give way, sight lines insufficient due to horizontal curve and vegetation, poor observation angle due to road angles need to be squared up, radii insufficient for some movements due to angles, 6-7m carriageway, straight and generally flat alignment, pavement graded minor pot holes, trees within 3m clear zone, branches encroaching onto pavement needs to be trimmed back, has priority at Hastings Road.	6 - Sight Distance and Junction Widening	\$50,000
4.921	North South Rd	Sandy Church Rd	McFarlane Rd	4,306	P2	Intersection with Sandy Church Road give way sign has been knocked over, sight lines sufficient, radii insufficient will use full width, 7m carriageway, width varies, straight alignment with minor vertical curves, trees within 3m clear zone, pavement good condition some pot holes, intersection with Pine Point Road is six ways, priority with Yarrum Road is unclear, both have give ways, sight lines along Pine Point Road sufficient, radii insufficient for some movements due to the angles.	2 - Alignment and Signage	\$150,000
4.922	North South Rd	McFarlane Rd	Yorke Valley Rd	1,243	P3	Intersection with McFarlane Road has give way, sight lines sufficient, grass trimming would improve, radii insufficient will use full width, 7m carriageway, pavement good condition, trees within 3m clear zone, straight alignment with minor vertical, some pot holes, intersection with Sandy Church Road has give way, sight lines to west insufficient due to vegetation, sufficient to east, radii insufficient will use full width.	6 - Sight Distance and Junction Widening	\$50,000
4.923	North South Rd	Yorke Valley Rd	Black Bobs Rd	2,580	P3	Has priority at Yorke Valley Road, 6-7m carriageway, straight alignment with long upgrade, vegetation up to edge and trees within 3m clear zone in sections, pavement good condition, some soft material on surface, intersection with McFarlane Road has give way, sight lines sufficient, radii insufficient will use full width.		
5.157	North Tce (Maitland)	Spencer Hwy	Upper Yorke Rd	1,011	P2	Intersection with Black Bobs Road has give way, sight lines sufficient, radii insufficient will use full width, being graded, 6-7m carriageway, vegetation up to edge, some trees within 3m clear zone, straight alignment with vertical curves, sight lines sufficient, has priority at Yorke Valley Road.	6 - Sight Distance and Junction Widening	\$50,000
7.357	North Tce (Maitland)	Upper Yorke Rd	Clinton Rd	773	P3	Intersection with Upper Yorke Road has give ways, sight lines sufficient, radii insufficient will use full width, 6m carriageway, clear zone good, flat and straight to Pioneer Road intersection, sight lines sufficient, radii insufficient will use full width, dry weather road, 5-6m carriageway, straight and flat, pavement very poor condition, some major rutting and drainage issues, intersection with Spencer Highway has give way, poor angle, sight lines sufficient, radii insufficient will use full width.		
4.839	Oaklands Rd	Rocky Waterhole Rd	Weavers Rd	2,178	P2	Junction with Clinton Road has give way, sight lines sufficient, radii insufficient will use full width, steep downgrade to junction, 8m seal with kerbing and houses on southern side, no line marking, pavement good, trees outside 3m clear zone, intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient will cross full width.	6 - Sight Distance and Junction Widening	\$50,000
4.845	Oaklands Rd	Stansbury Rd	Olive Tree Rd	2,362	P3	Has priority at Rocky Waterhole Road, 5-6m carriageway, straight alignment, pavement fine, trees within 3m clear zone, vegetation up to edge of pavement, flat, intersection with Weavers Road has give way, sight lines insufficient to east due to vegetation and angle, sufficient to west, radii insufficient will use full width.		
4.847	Oaklands Rd	Coringie Rd	Rocky Waterhole Rd	936	P4	Intersection with Stansbury Rd - has give way sign, acute intersection angle. Sight distance sufficient but poor observation angle due to intersection geometry, radius insufficient, turn movement will take up full pavement.	6 - Sight Distance and Junction Widening	\$50,000
4.849	Oaklands Rd	Weavers Rd	Cutline Rd	3,328	P3	Mid-block - 7 to 8m pavement width, consistent line of trees at edge of 3m clear zone, stobie poles along alignment just outside 3m clear zone. Northern end trees within 3m clear zone and some branches overhanging to lane edge, some vegetation growing through pavement at edge. Intersection with Olive Tree Rd - Oaklands Rd has priority, has crossroad warning signage.		
4.855	Oaklands Rd	Olive Tree Rd	Coringie Rd	1,692	P4	Has priority at Coringie Road, 7m carriageway, straight alignment, vegetation up to edge, some trees in 3m clear zone, pavement reasonable, stobies well back, has priority at Rocky Waterhole Road.		
						Intersection with Weavers Road has give way, sight lines sufficient, radii insufficient will use full width, 5-6m carriageway, trees within 3m clear zone, vegetation up to edge, alignment fine, pavement poor in patches, junction with Cutline Road has give way, no hazard board, sight lines sufficient, radii insufficient will need full road width.		
						Intersection with Coringie Rd - Oaklands Rd has priority.		
						Mid-block - 6 to 7m wide pavement. Pavement surface good, some minor potholing. Reasonable number of trees just inside 3m clear zone and stobies along alignment at around 3m from the edge of road. Straight alignment with some minor crests.		
						Intersection with Olive Tree Rd - Oaklands Rd has priority, has crossroad warning signage.		

001b Network Summary Risk Assessment - Final Rev A.xlsx / Commodity Routes

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.200	O'Grady Rd	Spencer Hwy	Port Victoria Rd	2,861	P1	Intersection with Port Victoria Road has give ways, sight lines sufficient, observation angle very poor to north due to junction angle, radii insufficient for right out and left in due to angles, other movement only sign, width varies 4-7m, pavement poor with vegetation growing on edges, some down the middle, some bushes and branches encroaching onto pavement, straight alignment, traffic hazard section where pavement very soft major drainage issues evidence of vehicles causing damage to road, improves, junction with Spencer Highway has no hazard board, sight lines sufficient to south, insufficient to north due to vertical curve, radii insufficient, pavement major issues	8 - Pavement	\$575,000
4,812	Old Boundary Rd	Melton South Rd	Yorke Hwy	1,263	P3	Intersection with Melton South Road has give ways, sight lines sufficient, radii insufficient, use full width, 6-7m unsealed carriageway, straight, down grade to Yorke Highway, isolated trees in clear zone, junction with Yorke Highway has give way and hazard board, sight lines sufficient, radii insufficient will need to cross centreline		
4,814	Old Boundary Rd	Pioneer Rd	Melton South Rd	4,701	P3	Has priority at Pioneer Road, 7m carriageway, trees within 3m clear zone, pavement generally good but some pot holes, straight alignment with vertical curves, some minor sight line issues over crests, approach sight distance to Melton South Road poor has give way warning sign, give ways at intersection, sight lines sufficient, radii insufficient, will need to use full width		
4,836	Old Boundary Rd	Schwartz Rd	Nalyappa Rd	1,598	P2	Intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient will cross centreline, 8m carriageway, alignment fine, pavement good, clear zone good, junction with Schwartz Road is basically just a 90 degree curve, minor sight lines issues will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,837	Old Boundary Rd	Clinton Rd	Pioneer Rd	4,315	P3	Intersection with Clinton Road has give way and hazard board, sight lines sufficient, radii sufficient, another turn to get onto Old Boundary Road, has give way, sight lines sufficient, radii insufficient but can use full width, 7m unsealed carriageway, straight alignment, several vertical curves, pavement good but some large pot holes, has priority at Pioneer Road		
4,876	Old Boundary Rd	Lakes Rd	Hicks Rd	3,746	P4	Has priority at Hicks Road junction, 7-8m carriageway, trees within 3m clear zone, vegetation up to edge, pavement generally good but some pot holes and minor corrugations, minor crest with minor sight line issues, vegetation needs trimming, has priority at Lakes Road junction		
4,877	Old Boundary Rd	Hicks Rd	Upper Yorke Rd	2,185	P3	Intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient will cross centreline, 8-7m carriageway, straight alignment, pavement good condition, trees within 3m clear zone, vegetation up to edge and encroaching, very wide in sections, has priority at Hicks Road junction		
4,878	Old Boundary Rd	Upper Yorke Rd	Androssan Rd	1,986	P3	Intersection with Androssan Road has give way, sight lines sufficient, radii sufficient, 7m carriageway, with trees up to edge, branches encroaching onto pavement, pavement quality is good, straight alignment with vertical curves, intersection with Upper Yorke Road has give way, sealed throat and wet set up, sight lines sufficient, radii insufficient will cross centreline		
4,879	Old Boundary Rd	Androssan Rd	Thomas Rd	1,445	P2	Intersection with Thomas Road has give way, sight lines sufficient, radii insufficient will cross full width, 7m carriageway, vegetation up to edge, trees within 3m clear zone, pavement rough, straight alignment with minor vertical, major pot holes including at intersection, intersection with Androssan Road has give way, sight lines sufficient to north, insufficient to south due to horizontal curve, radii insufficient for left out due to angles, other radii good.	8 - Pavement	\$290,000
4,880	Old Boundary Rd	Thomas Rd	Graham Rd	4,778	P2	Has priority at Graham Road, 6-7m carriageway, trees up to edge, straight alignment with long vertical curves, pavement has no shape, evidence of water running down road and causing damage and rutting to pavement, minor sight line issues over crests, pavement poor in sections with pot holes and very rough, intersection with Thomas Road has give way, sight lines sufficient due to vegetation, radii insufficient will need full width	8 - Pavement	\$960,000
4,881	Old Boundary Rd	Clasohm Rd	Spencer Hwy	1,210	P3	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 8m carriageway, clear zone generally good, pavement poor very rough and corrugated, alignment good, some isolated trees in clear zone and vegetation up to edge, has priority at Clasohm Road junction		
4,883	Old Boundary Rd	Heinrich Rd	Clasohm Rd	4,056	P4	Has priority at Clasohm Road junction, 7-8m carriageway, straight with minor vertical, pavement good generally minor corrugations, clear zone generally good, some isolated trees within clear zone, has priority at Heinrich Road		
4,890	Old Boundary Rd	Graham Rd	Clinton Rd	3,489	P3	Well set up, junction with Correll Road has give way and hazard board, sight lines sufficient, radii sufficient, left out may cross centreline, has priority at Willing Road junction, light horizontal curve on approach to junctions, has CAMs and guideposts, sealed with edge lines, line marking very poor, has batter slope on outside of curve, becomes unsealed carriageway, 6-7m carriageway, pavement reasonable, some trees within 3m clear zone, straight alignment with vertical curves, width over 8m then narrows again, very steep section with minor sight line issues through horizontal curve, trees and vegetation up to edge, narrows to 6m, pavement rough in sections, has priority at Graham Road, deep drains on edges of pavement		
4,898	Old Boundary Rd	Spencer Hwy	Lakes Rd	3,215	P3	Has priority at Lakes Road junction, 8m carriageway, trees within 3m clear zone, vegetation up to edge, pavement poor with corrugations and pot holes, alignment fine one crest with minor sight line issues, straight, intersection with Spencer Highway has advanced give way and give way sign, major see through issues over intersection, intersection with Spencer Highway has sufficient sight lines, radii insufficient will cross centreline		
4,905	Old Boundary Rd	Nalyappa Rd	Koch Rd	1,880	P3	Has priority at Koch Road intersection, 8m carriageway, generally straight and fat, some trees in clear zone, generally good, pavement good quality, intersection with Nalyappa Road has give ways, sight lines sufficient, radii insufficient will cross centreline		
4,906	Old Boundary Rd	Koch Rd	Heinrich Rd	2,409	P4	Has priority at Heinrich Road, 8m carriageway, straight and fat alignment, pavement good condition, clear zone generally good only some trees, vegetation up to edge in sections, more trees in clear zone towards western end, has priority at Koch Road intersection		
4,825	Old Dump Rd	Moody Rd	Nalyappa Rd	4,495	P3	Has priority at Moody Road junction, leaving town and end 40 area, unsealed road now, 7m carriageway, pavement poor very corrugated with pot holes, vegetation up to edge and trees within 3m clear zone, minor horizontal curves with minor sight line issues, curve warning signs provided, pavement has some rutting due to water turning down road, poorly shaped, pavement widens over 8m, still poor, junction with Nalyappa Road has give way and hazard board, sight lines sufficient, radii insufficient will cross centreline		
4,826	Old Honiton Rd	End of seal 35km W of Lehmann Rd	Sheak Beach Rd	1,547	P3	Has priority, 7-8m carriageway, pavement is corrugated, straight and fat, clear zone generally good, has priority at Sheak Beach Road, light horizontal curve through intersection		
4,827	Old Honiton Rd	Sheak Beach Rd	Goldsmith Beach Rd	3,029	P3	Has priority at Sheak Beach Road, very light horizontal curve through intersection with guide posts and hazard boards, 7m carriageway, alignment straight and fat, pavement poor with corrugations and pot holes, clear zone generally good some vegetation up to edge, stobies outside 3m generally, has priority at Goldsmith Beach Road		
4,828	Old Honiton Rd	Goldsmith Beach Rd	Troubridge Hill Rd	3,588	P4	Has priority at Goldsmith Beach Road, 7m carriageway, vegetation up to edge and encroaching, trees within 3m clear zone, pavement poor condition, straight alignment, clear zone improves, widens over 8m, vertical curve but sight lines sufficient, lots of water on road, some drainage issues, pavement reasonable, (photo of water), junction with Troubridge Hill Road has give way, sight lines sufficient, radii sufficient		
7,967	Old Honiton Rd	South Tee	Parfry Tee	558	P3	Junction with South Terrace has give way, sight lines sufficient but observation angle very poor, needs to be squared up, radii insufficient for left out and right in due to angle need to be banned, other movement can use full width, 9m seal with centreline, minimal unsealed shoulders, straight and fat, clear zone good, has priority at Parfry Terrace		
21,626	Old Honiton Rd	Parfry Tee	End of seal 35km W of Lehmann Rd	630	P4	Has priority at Parfry Terrace, 8m seal with rollover kerb, straight and fat, lots of houses, no line marking, pavement good, stobie poles in clear zone, some vegetation up to edge, 50 sight on right hand side hard to see due to vegetation		
4,882	Old Pump Rd	Maitland Rd	Androssan Rd	3,071	P2	Intersection with Maitland Road has give way, sight lines insufficient to west, sufficient to east, radii insufficient and some movements not possible as very narrow, pavement varies between 5m and 8m wide, pavement poor condition in sections, some trees in 3m clear zone, branches encroaching, straight but lots of vertical curves with some sight line issues, 1m high embankment on eastern side of road, some major rutting at northern end, 5m wide, steep down slope to Androssan Road junction, has give way but no hazard board, sight lines sufficient, radii insufficient will need full width	8 - Pavement	\$615,000
4,874	Old Saltworks Rd	St Vincent Hwy	Boundary Rd	4,815	P1	Has priority at Boundary Road, 7m carriageway, wider in sections, light horizontal curves around lake but sight lines sufficient, pavement soft in sections, clear zone is good, 8m carriageway, horizontal curves tight but sight lines sufficient, pavement good condition, clear zone generally good, intersection with Black Gale Road has give way, sight lines insufficient both directions due to vegetation, radii insufficient will use full width, sight lines sufficient from eastern side, junction with St Vincent Highway has give way, sight lines sufficient but observation angle poor, Y-junction, radii insufficient for some movements, needs to be squared up very dangerous (photo)	3 - Major Intersection Upgrade	\$500,000
4,884	Old Saltworks Rd	Boundary Rd	Gum Tree Rd	2,004	P4	Has priority at Gum Tree Road junction, 7m carriageway, vegetation up to edge, trees within 3m clear zone, pavement good, 6m carriageway, alignment tight but sight lines sufficient, has priority at Boundary Road, horizontal curve		
4,885	Old Saltworks Rd	Gum Tree Rd	Tuckokowie Rd	2,278	P2	Junction with Tuckokowie Road has hazard board, sight lines to north insufficient due to vertical curve, sufficient to south, radii insufficient will use full width, 6-7m carriageway, some grass growing on pavement, vegetation encroaching onto pavement, some trees within 3m clear zone, pavement good condition, some isolated pot holes, light alignment with horizontal curves, sight lines sufficient, has priority at Gum Tree Road junction	6 - Sight Distance and Junction Widening	\$50,000
4,854	Olive Tree Rd	Savage Hul Rd	Weavers Rd	876	P2	(Photo) Intersection with Savage Hul Rd - Oliver Tree Rd has priority, has crossroad warning signage. Mid-block - 6 to 7m wide pavement, pavement surface good, some trees within 3m clear zone. Intersection with Weavers Rd - Y-junction, has give way sign, sight lines sufficient, poor observation angle due to intersection geometry, Radius insufficient, left-in turn will track off the pavement, consider squaring intersection.	3 - Major Intersection Upgrade	\$250,000
4,886	Olive Tree Rd	Stansbury Rd	Oaklands Rd	2,643	P2	(Photo) Intersection with Oaklands Rd - Has give way sign, Sight lines sight sufficient, to left is restricted by vegetation and stobie. Suggest trimming vegetation. Radius insufficient, vehicle will require full pavement width for turns. Mid block - 6m pavement width, pavement surface good, some trees within 3m clear zone, more towards the eastern end, some grass growing through edges of pavement. Intersection with Stansbury Rd - Has give way sign, intersecting angle not square, suggest squaring up, 5-leg intersection, Sight distance sufficient to the right, slightly limited to the left due to vegetation, poor observation angle due to intersection geometry. Radius insufficient and left turn in likely to track off of pavement.	7 - Major Intersection Widening	\$100,000
4,887	Olive Tree Rd	Oaklands Rd	Weavers Hill Rd	1,373	P3	Intersection with Oaklands Rd - Has give way sign, sight lines sufficient. Radius insufficient, vehicle will cross centre line. Mid-block - 8m pavement width, good pavement surface, some isolated trees within 3m clear zone. Straight alignment, some crests, sight distance ok. Intersection with Weavers Hill Rd - Has give way sign, sight lines sufficient, radius insufficient, full pavement width required for turning.		

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.888	Olive Tree Rd	Weavers Hill Rd	Lake Rd	1,398	P3	Intersection with Weavers Hill Rd - Has give way sign, sight lines sufficient, limited to the right due to vegetation (trim), radius insufficient, vehicle will cross the centre line. Mid-block - 7 to 8m pavement width, pavement surface good, some isolated trees within 3m clear zone. Intersection with Lake Rd - Olive Tree Rd has priority, crossroad warning sign present.		
4.889	Olive Tree Rd	Lake Rd	Savage Hut Rd	1,990	P4	Intersection with Lake Rd - Olive Tree Rd has priority, crossroad warning sign present. Mid-block - 8m pavement width, pavement surface good, some trees within 3m clear zone (mostly western end). Intersection with Savage Hut Rd - Olive Tree Rd has priority, crossroad warning sign present.		
4.826	Orrie Cowie Rd	Little Sheoak Rd	Yorke Hwy	4,817	P2	Junction with Yorke Highway has give way and hazard board, sight lines sufficient, sealed throat, radii insufficient likely to cross centreline on Orrie Cowie Road, 6-7m carriageway, pavement in good condition, clear zone good except for pile of rubble, horizontal curves sight lines are reasonable, narrows to 6m, some stables in 3m clear zone, intersection with Little Sheoak Road is six ways, has give way, priority unclear, sight lines insufficient to south due to angles, radii insufficient due to angles	2 - Alignment and Signage	\$150,000
4.844	Orrie Cowie Rd	Tuckokowie Rd	Sturt Bay Rd	1,835	P3	Intersection with Sturt Bay Road has give way, sight lines sufficient, radii insufficient will cross centreline, width varies between 7m and 6m, trees within 3m clear zone, vegetation up to edge, pavement generally good with some pot holes, straight alignment with large vertical curve sight lines are reasonable, steep downgrade to junction, junction with Tuckokowie Road has give way, sight lines sufficient, radii insufficient will use full width		
5.031	Orrie Cowie Rd	White Hut Rd	Corry Point Rd	1,826	P2	Intersection with Corry Point Road has no give way, needs one, five ways intersection, priority confusing with Carl Road, sight lines sufficient, radii insufficient some movements will cross centreline, 7m carriageway, straight with minor vertical curve, clear zone good except for pile of rubble on eastern side of road, pavement good, light horizontal curve but good sight lines, junction with White Hut Road has give way and hazard board, sight lines insufficient to east due to vertical curve, sufficient to west, radii insufficient will cross centreline	2 - Alignment and Signage	\$150,000
5.062	Orrie Cowie Rd	Sturt Bay Rd	Little Sheoak Rd	4,071	P1	Intersection with Little Sheoak Road has give way, six ways, sight lines along main road insufficient to south due to angle and vegetation, sufficient to north, priority confusing, radii insufficient for some movements due to angles, 6m carriageway, light horizontal curves sight lines reasonable, vertical curve with minor sight line issues, clear zone generally good, pavement reasonable condition, branches badly encroaching onto pavement, light alignment in sections, junction with Baskikawa Road has give way, Y junction, sight lines sufficient but poor observation angle, radii insufficient for some movements, (photo), intersection with Sturt Bay Road has give ways, sight lines sufficient, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
5.032	Oster Rd	Yorke Hwy	Ardrassan Rd	1,904	P1	Junction with Ardrassan Road has give way, sight lines sufficient, Y junction so poor observation angle, radii insufficient for some movements due to angles, 5-6m carriageway typically, cut down, clear zone good, pavement condition poor, straight alignment with steep vertical curves, minor sight line issues, intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient	3 - Major Intersection Upgrade	\$250,000
7.359	Park Tce (Edinburgh)	Bramley Rd	Old Honiton Rd	310	P3	Intersection with Old Honiton Road has give way, poor angles, sight lines sufficient, radii insufficient due to angles will cross centreline, 8m seal with no line marking, minimal unsealed shoulders, clear zone good, flat and straight, pavement fine, houses on western side of road		
7.372	Park Tce (Edinburgh)	Gilberton Tce	Bramley Rd	448	P3	Has priority at Bramley Road, 7m seal with no line marking, flat and straight, houses well back on western side, clear zone good, pavement good condition, intersection with Gilberton Terrace has give way, sight lines sufficient, radii insufficient will cross centreline		
7.373	Park Tce (Edinburgh)	Yorkestown Rd	Gilberton Tce	422	P3	Intersection with Gilberton Terrace has give way, sight lines sufficient, radii insufficient will cross centreline, flat and straight, houses on western side well back, clear zone good, 8m seal, intersection with Yorkestown Road has give way, sight lines sufficient but poor observation angle due to road angles, radii insufficient will cross centreline		
7.477	Park Tce North	Perry St	Beach Rd	578	P4	Has priority at Beach Road, 7m seal, no line marking, flat and straight, pavement good condition, clear zone good with stables outside, has priority at Perry Road		
7.791	Park Tce North	Beach Rd	Yorkestown Rd	343	P4	Intersection with Yorkestown Road has give way, sight lines sufficient, radii sufficient, houses well back on western side, clear zone good, 7m seal, 1m unsealed shoulders, flat and straight, has priority at Beach Road		
7.828	Park Tce North	St Vincent Hwy	Perry St	191	P3	Has priority at Perry Road, 7m seal with no line marking, houses set back, flat and straight, pavement fine, junction with St Vincent Highway has give way and hazard board, sight lines sufficient but poor observation angle due to horizontal curve, radii insufficient will use full width		
5.034	Parsons Rd	Bluff Rd	Barkers Rocks Rd	3,822	P3	Junction with Barkers Rocks Road has give way, sight lines insufficient to west due to vegetation, short to east to next intersection, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, improves further south, straight alignment with minor vertical, pavement average, corrugated and minor pot holes, vegetation up to edge of pavement, intersection with Bluff Road has give ways, sight lines sufficient, radii insufficient will cross centreline		
4.800	Pedler Rd	Cootie Rd	Bussenschutt Rd	3,411	P3	Intersection with Bussenschutt Road has give way, angles poor, sight lines sufficient but poor observation angle, radii insufficient for some movements due to angles, useable width is 5m due to vegetation growing on pavement, actual pavement 6m wide, vegetation up to edge, trees within 3m clear zone, pavement reasonable quality, alignment good, has priority at Cootie Road		
4.915	Pedler Rd	Nankivell Rd	Culline Rd	3,330	P2	Has priority at Culline Road, 6m carriageway, trees within 3m clear zone up to edge with some bushes to pavement good quality, uphill gradient, straight alignment, pavement generally good some loose material on surface, intersection with Nankivell Road has give ways, sight lines insufficient due to vegetation, needs removal, radii insufficient for some movements, will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.941	Pedler Rd	Culline Rd	Agerly Rd	1,430	P3	Intersection with Agerly Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, lots of grass on carriageway, clear zone is good, straight and flat, has priority at Culline Road		
5.029	Pedler Rd	Sanderoock Rd	Nankivell Rd	2,636	P3	Intersection with Nankivell Road has give ways, sight lines sufficient, radii insufficient will need full width, 6-7m carriageway, trees within 3m clear zone, pavement good quality, trees within 3m clear zone, alignment good, intersection with Sanderoock Road has give ways, sight lines sufficient can improve with vegetation removal/trimming, radii insufficient will need full width		
5.035	Pedler Rd	Spencer Hwy	Wyndotte Rd	2,695	P4	Has priority at Wyndotte Road, 6-7m carriageway, trees within 3m clear zone, bushes encroaching onto pavement, pavement rough in patches needs grade, minor sight line issues over crest, junction warning sign behind bush, no hazard board, sight lines sufficient, radii sufficient		
5.037	Pedler Rd	Arthurton Rd	Sanderoock Rd	1,372	P2	Intersection with Sanderoock Road has give way, sight lines sufficient, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, pavement good, mostly fragile vegetation in clear zone, big see through issues with Arthurton Rd intersection consider additional signage, intersection has give way, poor angle, sight lines insufficient to south, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
5.046	Pedler Rd	Wyndotte Rd	Arthurton Rd	1,902	P3	Intersection with Arthurton Road has give ways, sight lines insufficient to north due to horizontal curve, south sufficient radii insufficient for some movements due to angles, 7m carriageway, even wider, straight and generally flat, pavement rough in patches, trees within 3m clear zone up to edge, some vegetation encroaching, has priority at Wyndotte Road junction		
25.201	Pedler Rd	Agerly Rd	Cootie Rd	3,034	P2	Has priority at Cootie Road, 4m wide with grass down middle, grass growing on edges of pavement, trees within 3m clear zone however most outside this, some bushes on edge, pavement poor in sections, drainage issues, last few hundred meters road widens, intersection with Agerly Road has give ways, sight lines sufficient, can be better with grass and vegetation trimming, radii insufficient, will need to use full width also has culvert blocking y	8 - Pavement	\$610,000
25.202	Peesey Rd	Yorke Hwy	Moorowie Station Rd	3,534	P1	(Photo) Intersection with Moorowie Station Rd - Has give way sign (faded), sight lines sufficient, radius insufficient, vehicle will use full pavement width for turns. Mid-block - Inconsistent pavement width from 4m to 6m wide, pavement surface very poor / insufficient, major deep potholing and evidence of ponding and damage (road within a floodplain), grasses growing within pavement, road alignment to the north is very bad - tight curves, more of an isolated track, only 3m wide with insufficient sight through vegetation and over crests. Not suitable for heavy vehicle access. Intersection with Yorke Hwy - DIDNT GET TO THIS END, ROAD UNSUITABLE - CONFIRM AT A LATER DATE.	8 - Pavement	\$710,000
4.805	Penang Rd	Culline Rd	Agerly Rd	1,431	P4	Has priority at Culline Road, 7-8m carriageway, trees within 3m clear zone, pavement good quality with minor corrugations, straight alignment, intersection with Agerly Road hard to see on approach, see through issues, intersection with Agerly Road has give ways, sight lines sufficient, radii sufficient		
4.813	Penang Rd	Nankivell Rd	Culline Rd	3,329	P4	Has priority at Nankivell Road, 7-8m carriageway, vegetation up to edge, trees within 3m clear zone, pavement quality is good, alignment is fine, some loose material on pavement surface and undulating in some sections but generally good, has priority at Culline Road		
4.821	Penang Rd	Arthurton Rd	Nankivell Rd	2,671	P3	Intersection with Arthurton Road has give way, six ways intersection, sight lines sufficient, radii insufficient poor angles, will need to use full width, 7m carriageway, vegetation encroaching, trees within 3m clear zone, pavement good condition, even wider in sections, alignment fine, has priority at Nankivell Road		
4.815	Pentonvale Rd	Harry Butler Rd	Rabbit Corner Rd	1,266	P2	Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, some limiting by vegetation. Radius insufficient, vehicle will use full pavement width. Mid-block - Pavement width 7 to 8m. Pavement surface good. Trees within 3m clear zone, some at edge of pavement and some branches into road width. Some grass growing in pavement at edge		
4.816	Pentonvale Rd	Rabbit Corner Rd	Green Flat Rd	1,393	P3	Intersection with Harry Butler Rd - Has Give way sign (faded) - see-through risk due to intersection configuration onto main road (consider new give way sign / advance give way sign). Acute angle (Y-intersection), sight lines insufficient to the left due to crest and horizontal curve (to right is sufficient). Radius insufficient for left-out / right in - too sharp, vehicle will track off pavement, left-out, right-in movements are straight. Consider squaring up through crest to improve both sight and access issues.	3 - Major Intersection Upgrade	\$250,000
4.816	Pentonvale Rd	Rabbit Corner Rd	Green Flat Rd	1,393	P3	Intersection with Green Flat Rd - Pentonvale Rd has priority. Mid-block - Most of road recently re-graded, 6m pavement width, pavement surface good, trees within 3m clear zone. Intersection with Rabbit Corner Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over centreline.		
4.817	Pentonvale Rd	Green Flat Rd	Hundred Line Rd	1,864	P4	Intersection with Hundred Line Rd - Pentonvale Rd has priority. Mid-block - Most of road recently re-graded, 7 to 8m pavement width, pavement surface good, trees within 3m clear zone, branches overhanging to pavement edge, over in some places, some grass in pavement edge. Intersection with Green Flat Rd - Pentonvale Rd has priority.		
4.818	Pentonvale Rd	Hundred Line Rd	Depot Shed Rd	2,192	P4	Intersection with Depot Shed Rd - Pentonvale Rd has priority. Through tight curve with no delineation. Mid-block - Most of road recently re-graded, 7 to 8m pavement width, pavement surface good, trees within 3m clear zone, some grass in pavement edge. Horizontal curve with no delineation, limited sight lines. Within segment intersection with Savage Hut Rd - Pentonvale Rd has priority. Intersection with Hundred Line Rd - Pentonvale Rd has priority.		

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.619	Pentonvale Rd	Depot Shed Rd	Stansbury Rd	1,140	P3	Intersection with Depot Shed Rd - Pentonvale Rd has priority. Mid-block, 7m pavement width, pavement flat, some potholing and corrugation (some sections of new road base). Trees within 3m clear zone at southern end. Horizontal curve on approach to Stansbury Rd intersection. Intersection with Stansbury Rd - Has hazard board, large dual access / triangle intersection with grassed island. Recommend consolidating to single alignment. Sight lines sufficient. Radius for right turn in insufficient, will track across full pavement width (if not using left slip).		
4.820	Petersen Rd	Kenny Rd	Graham Rd	4,999	P3	Intersection with Kenny Road has give way, sight lines sufficient, radii insufficient for some movements but sight lines open and can use full width, 6m carriageway, trees within 3m clear zone, some on edge of pavement, fine, straight alignment, lots of pot holes in pavement now, vegetation along edge continues, alignment is good minor curve and vertical, 7m wide typically, intersection with Ardrossan Road has give way sign, sight lines sufficient to south, insufficient to north due to horizontal curve and vegetation, radii sufficient		
4.846	Piggery Corner Rd	Wheare Rd	James Well Rd	2,838	P3	Has priority at Wheare Road intersection, 7.6m carriageway, pavement has some pot holes, vegetation up to edge of road, some trees within 3m clear zone, drainage issues with large pools of water on edge of pavement, intersection with James Well Road has give way, sign hard to see due to vegetation, sight lines sufficient, radii insufficient will need full road width	2 - Alignment and Signage	\$150,000
4.872	Piggery Corner Rd	James Well Rd	Pine Point Rd	3,851	P2	Intersection with James Well Road has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, pavement good, vegetation up to edge, some trees within 3m clear zone, widens to 8m, pavement good, horizontal curve with minor sight line issues due to vegetation, intersection with Pine Point Road has give ways, six ways intersection with insufficient sight lines along some legs due to angles and vegetation, radii insufficient for some movements due to angles	2 - Alignment and Signage	\$150,000
5.039	Piggery Corner Rd	Pine Point Rd	McFarlane Rd	4,150	P2	Intersection with Pine Point Road has give way, six ways, sight lines insufficient along some legs due to angles, radii insufficient for some movements due to angles, 8m plus carriageway, vegetation up to edge, trees within 3m clear zone, stobies 6m back, pavement generally good but some sections are poor, has priority at McFarlane Road	2 - Alignment and Signage	\$150,000
5.040	Piggery Corner Rd	McFarlane Rd	Black Bobs Rd	3,828	P2	Has priority at McFarlane Road, 6-7m carriageway, trees within 3m clear zone, long upgrade, pavement has drainage issues resulting in large pot holes, water running down road, needs to be reshaped, 7.4m carriageway, alignment good, stobies 6-7m back, intersection with Black Bobs Road has give ways, sight lines insufficient due to vegetation and road alignment, radii insufficient will need full width	8 - Pavement	\$770,000
5.041	Piggery Corner Rd	Black Bobs Rd	Yorke Valley Rd	2,310	P1	Intersection with Black Bobs Road has give ways, sight lines to west insufficient due to crest in road, sufficient to east, radii insufficient will use full width, 7m carriageway, vegetation up to edge, pavement is very corrugated, alignment flat and straight, Junction with Yorke Valley Road is Y-junction, has give way but sight lines insufficient poor observation angles, minor central island, radii insufficient for some movements, need to improve alignment (photo)	3 - Major Intersection Upgrade	\$250,000
4.947	Pioneer Rd	Old Boundary Rd	Mason Rd	2,393	P3	Intersection with Mason Road has give way, sight lines sufficient, radii insufficient for some movements, can use full width can see reasonably well, 6m carriageway, trees within 3m clear zone, 7.4m wide carriageway, pavement good, bushes encroaching, intersection with Old Boundary Road has give ways, sight lines sufficient, vegetation needs trimming to west, radii insufficient will need full road width		
4.948	Pioneer Rd	Mason Rd	Dowlingville Slant Rd	3,224	P2	Intersection with Dowlingville Slant Road has give way, sight lines insufficient due to vegetation and angles, radii insufficient for some moves due to angles, 6-7m unsealed carriageway, pavement good, trees within 3m clear zone, up to edge and branches encroaching onto pavement, vegetation needs to be trimmed back in section, intersection with Mason Road has give way, sight lines sufficient, vegetation needs some trimming, radii insufficient but can use full width	6 - Sight Distance and Junction Widening	\$50,000
5.016	Pioneer Rd	Coleman Rd	Clinton Rd	2,832	P3	Intersection with Clinton Road has give way, sealed throat, sight lines sufficient, radii sufficient, 7m carriageway, pavement has lots of pot holes, tall grass up to edge, some isolated trees within 3m clear zone, 6m plus carriageway, pavement has pot holes, intersection with Davey Road has give way, sight lines sufficient, removal of vegetation would improve, radii insufficient for some movements can use full width, Intersection with Davey Road has give way, sight lines sufficient, radii insufficient will cross centre of road but reasonable, 7m carriageway, trees within 3m clear zone, pavement good quality, intersection with Coleman Road has give ways, sight lines sufficient, radii insufficient, will need full road width		
5.017	Pioneer Rd	Clinton Rd	Old Boundary Rd	1,843	P3	Intersection with Old Boundary Road has give ways, sight lines sufficient, radii insufficient will use full width, 7m carriageway, vegetation up to edge trees within 3m clear zone, lots of corrugations, trees on edge of pavement, alignment fine, advanced give way at Clinton Road intersection, sealed sleep upgrade to intersection is hard to see, sight lines sufficient, radii generally good except for left turn out will cross road but reasonable		
4.943	Pipeline Rd	2.3km E of Lakes Rd	Thomson Rd	2,338	P4	7-8m carriageway, pipeline within 3m clear zone in sections but generally outside, vegetation up to edge, some trees within 3m clear zone, pavement reasonable, alignment fine, road cut down some drainage issues however, has priority at Thomson Road		
4.949	Pipeline Rd	Spencer Hwy	2.4km E of Spencer Hwy	2,405	P4	Intersection with Spencer Highway has give way, sign should be moved up to Spencer Highway as priority under/over with Weetulla Tank Road and mentioned in that comment to, intersection with Spencer Highway has good radii and sight lines sufficient, 7m carriageway, pavement corrugated, vegetation encroaching onto pavement, trees within 3m clear zone, tight horizontal curve with warning sign		
4.951	Pipeline Rd	Lakes Rd	2.3km E of Lakes Rd	2,304	P3	Has priority at Lakes Road, 7.6m carriageway, vegetation up to edge, trees within 3m clear zone, pipeline within 3m clear zone on southern side of road, alignment reasonable, pavement poor in sections.		
4.953	Pipeline Rd	Thomson Rd	Arthurton Rd	1,648	P3	Has priority at Thomson Road, 7m carriageway, pipeline outside 3m clear zone, isolated trees within 3m clear zone, straight and flat, pavement fine generally but soft in sections, intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient will cross centreline		
4.954	Pipeline Rd	Arthurton Rd	Upper Yorke Rd	1,543	P1	Intersection with Arthurton Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, trees within 3m clear zone, pavement poor condition, alignment fine, intersection with Upper Yorke Road has give way, angle poor like a Y-junction, sight lines to south insufficient, north sufficient, radii insufficient for some movements due to angle, should be squared up	3 - Major Intersection Upgrade	\$500,000
4.959	Pipeline Rd	2.4km E of Spencer Hwy	Lakes Rd	2,500	P3	7m carriageway, warning signage about poor alignment, trees within 3m clear zone, vegetation encroaching, alignment is tight but reasonable, widens to 8m, pavement fine and alignment improves, vegetation encroaching onto pavement branches etc, has priority at Lakes Road		
4.955	Pistol Club Rd	Clinton Rd	North South Rd	2,610	P1	Intersection with North South Road has give way, sight lines sufficient but tight due to vegetation, radii insufficient, 4m wide carriageway, trees within 3m clear zone, narrows to one lane road with grass down middle, 3m wide, cant get off road (photo), 90 degree horizontal curve, pavement soft in sections and damaged from being driven when wet, junction with Clinton Road has give way no hazard board, sight lines insufficient due to vegetation, radii insufficient for some movements	5 - Carriageway Widths	\$265,000
4.977	Point Annie Rd	Marion Bay Rd	2.2km W of Marion Bay Rd	2,206	P3	Intersection with Marion Bay Road has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, wider sections, straight alignment with long vertical curve which has sufficient sight lines, clear zone is good		
4.985	Point Annie Rd	Rockleigh Rd	Marion Bay Rd	2,507	P3	Has priority at Rockleigh Road, crest on approach to junction gives poor approach sight distance, 6-7m carriageway, pavement corrugated, some trees in clear zone but generally good, vegetation trimmed back, straight alignment with minor vertical curves, intersection with Marion Bay Road has give way, sight lines sufficient, radii insufficient will need full width		
4.987	Point Annie Rd	2.2km W of Marion Bay Rd	Lighthouse Rd	3,169	P3	6-7m carriageway, wider in some sections, pavement corrugated, clear zone has some trees in it, large pile of rocks on side of pavement too, straight alignment with vertical curve which has reasonable sight lines, clear zone generally good, pavement better condition, junction with Lighthouse Road just horizontal curve with hazard board, sight lines sufficient, will cross centrelines		
4.993	Point Annie Rd	Liddiard Rd	Rockleigh Rd	3,228	P3	Junction with Liddiard Road has give way and hazard board, sight lines sufficient, only just to north, radii sufficient, 6-7m carriageway, pavement poor with pot holes, clear zone generally good with trees outside, straight alignment with vertical curves, sight lines reasonable, narrows to 6m, some trees within 3m clear zone, pavement poor, has priority at Rockleigh Road		
4.956	Point Souttar Rd	Brutus Rd	North Coast Rd	1,606	P2	Intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, some trees within 3m clear zone, pavement badly corrugated, widens to 7m, clear zone good generally, junction with North Coast Road is just a 90 degree horizontal curve, no widening vehicles will cross centreline and minor sight lines issues	8 - Pavement	\$325,000
25.208	Point Souttar Rd	Yorke Hwy	Yellowoowie Rd	4,181	P2	Intersection with Yorke highway has give way, sight lines to east are insufficient due to horizontal curve, sufficient to west, small central island and left slip, radii insufficient for some movements, need island removed, 6m carriageway, straight alignment with minor vertical curves, 3m clear zone good with vegetation trimmed back, pavement poor in sections, longer vertical curve, some minor sight line issues, width out to 7m in sections, pavement poor, intersection with Yellowoowie Road has give way, six ways intersection, sight lines along main road insufficient due to vegetation, radii insufficient for some legs	4 - Minor Intersection Upgrade	\$150,000
25.209	Point Souttar Rd	Yellowoowie Rd	White Hut Rd	3,600	P2	Intersection with Yellowoowie Road has give way, sight lines insufficient along main road with major issues due to angles and vegetation, radii insufficient due to angles, 5m carriageway, narrows to 4m, vegetation trimmed back, pavement average, straight with vertical curves, intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will need full width and very tight	5 - Carriageway Widths	\$360,000
25.210	Point Souttar Rd	White Hut Rd	Wurlie Rd	1,636	P3	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, straight alignment with vertical curves with minor sight line issues, pavement poor, some trees within 3m clear zone, has priority at Wurlie Road junction		
25.211	Point Souttar Rd	Wurlie Rd	Corny Point Rd	2,454	P2	Has priority at Wurlie Road, 5.6m carriageway, pavement poor, some trees within 3m clear zone, straight alignment with minor vertical curves, sight lines good, intersection with Corny Point Road has give way, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$495,000
25.212	Point Souttar Rd	Corny Point Rd	Brutus Rd	4,002	P2	Intersection with Corny Point Road has give way, sight lines sufficient, radii insufficient, will use full width, 6m carriageway, pavement poor in patches, trees within 3m clear zone, straight alignment with minor vertical curve some minor sight line issues, width varies, intersection with Brutus Road has give way, sight lines sufficient, radii insufficient, will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.988	Pokinghorne Rd	Honner Rd	Upper Yorke Rd	1,502	P3	Intersection with Honner Road has give way, sight lines sufficient, radii insufficient but can use full width, 7m carriageway, trees within 3m clear zone, pavement reasonable but shape needs to be improved as water runs down middle of road along long downgrade, intersection with Upper Yorke Road has give way, poor angle, sight lines sufficient but observation angle poor, radii insufficient for some movements due to angle		
5.018	Pokinghorne Rd	Old Boundary Rd	Willing Rd	2,552	P2	Intersection with Willing Road has insufficient sight lines to east due to horizontal curve, west just sufficient, radii insufficient will cross centre of road, 7m carriageway, pavement condition poor in sections with large pot holes and large soft spots with drainage issues and damage, straight alignment minor vertical, some trees within 3m clear zone, has priority at Old Boundary Road	8 - Pavement	\$515,000
5.028	Pokinghorne Rd	Willing Rd	Honner Rd	1,992	P2	Intersection with Honner Road has give ways, sight lines sufficient, radii insufficient, will need to cross centre of road, tight alignment on approach to intersection has advanced warning sign, trees within 3m clear zone, 7m carriageway, pavement good quality, straight alignment minor vertical but sight lines sufficient, intersection with Willing Road has give ways, sight lines insufficient to east due to vegetation and horizontal curve, sufficient to west, radii insufficient will cross centre of road.	7 - Major Intersection Widening	\$100,000

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4,989	Pookawarowie Rd	St Vincent Hwy	Gravel Pit Rd	3,588	P3	Intersection with Gravel Pit Rd - Pookawarowie Rd has priority. Mid-block - 7m pavement width, pavement surface good, horizontal curves, some with insufficient sight lines, one has curve signs, no curve widening, some have sufficient sight lines. Some trees at edge of 3m clear zone. Some grass in pavement at edge. Stobbes within 3m clear zone as well as a large rock through section in cut. Intersection with St Vincent Hwy - Has T-junction warning sign, sight lines sufficient - blocked by vegetation both ways (on curve) but can see road past vegetation. Radius insufficient, vehicles will use full width, especially for left in turn.		
4,990	Pookawarowie Rd	Gravel Pit Rd	Moorowie Station Rd	2,052	P3	Intersection with Moorowie Station Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width, may track off the pavement edge. Mid-block - 7 to 8m pavement width, pavement surface good, horizontal curve at northern end with no curve widening and insufficient sight lines (crest), curve signs and hazards boards present. Intersection through curve also (add signs to show this) - Intersection with Cudorowie Rd - Pookawarowie Rd has priority. Horizontal curve at southern end with no delineation or curve widening but good sight lines.		
4,991	Pookawarowie Rd	Moorowie Station Rd	Bagnells Well West Rd	2,152	P3	Intersection with Gravel Pit Rd - Pookawarowie Rd has priority. Intersection with Moor. Rd - Has both crossroad int sign (incorrect, remove) and give way sign (faded), sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4,992	Pookawarowie Rd	Bagnells Well West Rd	Yorke Hwy	3,813	P1	Mid-block - 7 to 8m pavement width, pavement surface ok, some potholing. Some trees within 3m clear zone. Some grass growing within the pavement at edge. Intersection with Bagnells Rd - Pookawarowie Rd has priority. (Photo) - Same as Harwicke Bay P1 Intersection with Bagnells Rd - Pookawarowie Rd has priority. Mid-block - 8m pavement width, pavement surface ok, some minor corrugation, trees within 3m clear zone, some at edge of pavement, some weeds growing within pavement at edges.	3 - Major Intersection Upgrade	\$500,000
5,057	Pootawana Rd	Bridge Rd	Melton South Rd	3,099	P2	Intersection with Yorke Hwy - Has give way sign (faded), Y-junction with Harwicke Bay Rd prior to the intersection, priority unclear and poor observation angle (not ideal) - high risk for collisions at this first intersection as not highly visible, hazard board at main road. Sight lines sufficient, radius insufficient - likely to cross centre line. Intersection with Bridge Road has give way, sight lines sufficient, radii insufficient will need full width, 5-6m unsealed, trees within 3m clear zone, some minor horizontal curves on down grade, then road straightens out, pavement good, intersection with Melton South Road has insufficient sight lines due to trees and angles of road, radii insufficient will need to use full width	6 - Sight Distance and Junction Widening	\$50,000
5,058	Pootawana Rd	Melton South Rd	Yararoo Rd	1,874	P3	Intersection with Melton South Road has give way, sight lines sufficient, radii insufficient will need full width for some movements, trees within 3m clear zone, pavement good, intersection with Yararoo Road has give way, sight lines sufficient, radii insufficient for some movements will cross centreline		
25,218	Pootawana Rd	Upper Yorke Rd	Kainton Rd	1,353	P2	Junction with Upper Yorke Road has give way, poor angle, sight lines to south good, to north insufficient due to angles and vegetation, high angle, radii insufficient for some movements, straight alignment, minor vertical, 5m useable width, graded to 6m but grass growing on pavement, trees on both sides within 3m clear zone, has give way at Kainton Road intersection, sight lines to west insufficient due to curve in road, to right poor due to tall grass, radii insufficient will need full road width	6 - Sight Distance and Junction Widening	\$50,000
25,219	Pootawana Rd	Kainton Rd	Reservoir Rd	1,157	P1	Intersection with Kainton Road has give way, sight lines to east sufficient, to west very poor due to horizontal curve and vegetation, dangerous for all users, radii insufficient will need full width, 5m unsealed carriageway, some grass down middle, trees generally further than 3m back, pavement average, intersection with Reservoir Rd has give way, sight lines sufficient, radii insufficient, some movements not possible as too narrow roads	6 - Sight Distance and Junction Widening	\$50,000
25,220	Pootawana Rd	Reservoir Rd	Bridge Rd	1,797	P2	Intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient, turning movements not possible as roads too narrow, 5-6m unsealed carriageway, pavement generally good but minor drainage issues, isolated trees within 3m clear zone, intersection with Bridge Road has give way, sight lines insufficient due to tall grass and trees, radii insufficient will need full road width	6 - Sight Distance and Junction Widening	\$50,000
5,059	Porty Rd	Yorke Hwy	Gregor Rd	1,024	P2	Intersection with Yorke Highway has give way, sight lines sufficient but poor angle, radii insufficient due to angles left out and right in banned other movements can be completed, 7m carriageway, flat and straight, pavement good but has some pot holes, some trees within 3m clear zone, intersection with Gregor Road has give way which seems incorrect, priority should be changed, sight lines insufficient to west, no road to east, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
5,060	Porty Rd	Gregor Rd	Boundary Rd	2,098	P2	Intersection with Gregor Road has give way, priority should be changed, sight lines insufficient to west, no road to east, radii insufficient, need full width, 6-7m carriageway, pavement good but some large pot holes, trees within 3m clear zone, vegetation and branches encroaching onto pavement, alignment flat and straight essentially, intersection with Boundary Road has give way, sight lines insufficient to east due to grass and angle, sufficient to west, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
5,061	Porty Rd	Boundary Rd	Anderson Rd	1,694	P3	Intersection with Boundary Road has give ways, sight lines sufficient, radii insufficient will use full width, 6-7m carriageway, pavement rough and poor in sections, vegetation up to edge, trees mostly outside 3m clear zone, sight horizontal curve with minor sight line issues, intersection with Anderson Road has give way, sight lines sufficient, radii insufficient will use full width		
8,084	Port Julia Rd	St Vincent Hwy	Julia Rd	1,480	P3	Junction with St Vincent Highway has hazard board, sight lines sufficient, radii insufficient, will cross centreline, 6m seal with centreline, 0.5m unsealed shoulders, clear down grade into horizontal curve, 50km/h speed zone		
35,272	Port Vincent Rd	1km E of St Vincent Hwy	Young Ave (Port Vincent)	800	P3	6m seal with 2m unsealed shoulders, 80 and then 50 zone, steep downhill with water running down edge of seal causing a large drop off, pavement average, light horizontal curve but reasonable for 50 zone, has priority at Young Avenue		
35,274	Port Vincent Rd	St Vincent Hwy	1km E of St Vincent Hwy	1,000	P3	Intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient will cross centreline, 6m seal with 2m unsealed shoulders, pavement reasonable, clear zone good, horizontal curves reasonable		
5,026	Pridham Rd	Lovetridge Rd	Reservoir Rd	4,246	P3	Intersection with Lovetridge Road has give way, sight lines sufficient radii sufficient, 6m carriageway, trees along both edges with branches overhanging, straight alignment, vertical curves, minor batter slope issues, pavement good condition, intersection with Reservoir Rd has give ways, sight lines sufficient, radii insufficient can use full width		
4,957	Rabbit Corner Rd	Hary Butler Rd	Pentonvale Rd	1,101	P2	Intersection with Hary Butler Rd - Has give way sign, sight lines insufficient with crests in both directions and observation angle poor due to intersection angle, some uncertainty of priority with intersecting minor roads prior to major road, radius insufficient, vehicles using full width of pavement. Mid-block - 8m pavement width, pavement surface good, trees within 3m clear zone and branches to edge of pavement. Intersection with Pentonvale Rd - Rabbit Corner Rd has priority, crossroad warning sign present.	6 - Sight Distance and Junction Widening	\$50,000
4,958	Rabbit Corner Rd	Pentonvale Rd	Weavers Rd	1,152	P4	Intersection with Pentonvale Rd - Rabbit Corner Rd has priority Mid-block - 8m pavement width, pavement surface good, some very minor potholing trees within 3m clear zone, some at pavement edge, straight and flat alignment. Intersection with Weavers Rd - Modified cross-road intersection. Rabbit Corner Rd South has priority, has modified crossroad warning sign.		
4,984	Rabbit Corner Rd	Weavers Rd	Depot Shed Rd	1,574	P3	Intersection with Weavers Rd - Has a give way sign, confusing intersection configuration. Sight lines sufficient, radius insufficient, vehicle will track over centreline. Mid-block - 7 to 8m pavement width, pavement surface average some reasonable corrugation, some potholing and vegetation growing in pavement edges. Trees within 3m clear zone, some right up to pavement edge.		
5,010	Rabbit Corner Rd	Depot Shed Rd	Bagnells Well East Rd	1,974	P4	Intersection with Depot Shed Rd - Rabbit Corner Rd has priority, crossroad warning sign present. Mid-block - 7m pavement width, pavement surface average, some reasonable potholing and some grass growth within pavement edges, trees within 3m clear zone, lots of branches to edge of pavement and some into the road. Intersection with Bagnells Well East Rd - Rabbit Corner Rd has priority, crossroad warning sign present.		
5,027	Rabbit Corner Rd	Brentwood Rd	Bubbaowee Rd	981	P2	Intersection with Brentwood Rd - Has give way sign. Sight lines insufficient, restricted to the right due to vegetation. Radius insufficient, vehicles will use full pavement width. Mid-block - 7 to 8m pavement width, pavement surface good, some grass growing in pavement edges, trees within 3m clear zone, some trees at edge of pavement.	7 - Major Intersection Widening	\$100,000
5,080	Rabbit Corner Rd	Bagnells Well East Rd	Brentwood Rd	2,982	P3	Intersection with Bubbaowee Rd - Has give way sign, very sharp intersection angle, suggest squaring up. Sight lines sufficient, poor observation angle due to intersection geometry. Radius insufficient, left in turn will track off of pavement due to tight angle. Intersection with Bagnells Well East Rd - Rabbit Corner Rd has priority, crossroad warning sign present. Mid-block - 7 to 8m pavement width, pavement surface flat, some minor potholing, some grass growing in pavement edges, trees within 3m clear zone, many trees at edge of pavement. Horizontal curve with no delineation or curve widening, limited sight lines. Intersection with Brentwood Rd - Has give way sign, sight lines sufficient, some vegetation trimming to the right recommended. Radius insufficient, vehicle will use full pavement width.		
4,546	Recluse Rd	Godsmith Beach Rd	Gumbowie Rd	2,060	P1	Junction with Gumbowie Road has give way, Y-junction (photo), sight lines sight lines sufficient but poor observation angles, unsure if people will give way, radii insufficient for left out and right in need to be banned due to angle, other movement fine, 5m carriageway with grass down middle in sections, trees up to edge in sections, straight and flat, pavement poor, intersection with Godsmith Beach Road has give way, sight lines to north insufficient due to vegetation, sufficient to south, radii insufficient will use full width	3 - Major Intersection Upgrade	\$250,000
4,753	Recluse Rd	Troubridge Hill Rd	Godsmith Beach Rd	3,028	P2	Intersection with Godsmith Beach Road has give way, sight lines to north insufficient due to vegetation, sufficient to south, radii insufficient will use full width, 6m carriageway, vegetation encroaching onto pavement, some trees within 3m clear zone, straight alignment minor vertical, 5m in sections, intersection with Troubridge Hill Road has give way, sight lines sufficient to north due to angle and vegetation, sufficient to south, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4,962	Recluse Rd	St Vincent Hwy	Troubridge Hill Rd	2,575	P3	Intersection with Troubridge Hill Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width. Mid-block - 7m pavement width, pavement surface good, some grass growing in pavement at edges, some isolated trees in 3m clear zone. Some horizontal curves with no delineation or widening, sight lines good through curves. Intersection with St Vincent Hwy - T-junction warning sign present (no give way sign), sight lines sufficient, radius insufficient, will cross centre line.		

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.616	Redding Rd (East)	Yorke Hwy	Mathews Rd	4,654	P2	Intersection with Yorke Highway has give way, sight lines insufficient due to vertical curve and vegetation, has slip legs which should be removed, radii insufficient for some movements, 7m carriageway, straight alignment with some vertical curves, sight lines reasonable, trees within 3m clear zone, pavement good condition, one crest has minor sight line issues, intersection with Mathews Road has give way, sight lines insufficient to west due to vertical curve, sufficient to east, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.623	Redding Rd (East)	Black Bobs Rd	Yorke Hwy	3,410	P1	<b>Junction with Black Bobs Road has no signage, give way knocked over, sight lines sufficient, can be improved with vegetation trimming, radii insufficient will use full width, 4-5m carriageway, straight alignment, pavement reasonable with some corrugations, trees within 3m clear zone, vegetation up to edge in sections, minor vertical, junction with Pine Point Road has no hazard board or give ways, sight lines sufficient, radii insufficient. Redding Road continues for a short section to Yorke Highway, Y-junction, with sight line issues due to vegetation and vertical curve, radii issues due to angle and poor observation angle, this section should be closed</b>	3 - Major Intersection Upgrade	\$500,000
4.617	Redding Rd (West)	Spencer Hwy	Mount Rat Wells Rd	3,178	P3	Intersection with Spencer Highway has give way, sight lines insufficient to south due to vertical curve, sufficient to north, radii insufficient will use full road width, 8m carriageway, pavement poor, some vegetation on edge of road, light vertical curve with minor sight line issues, very steep on eastern side, some rock exposed within the pavement over curve, has priority at Mount Rat Wells Road		
4.618	Redding Rd (West)	Mount Rat Wells Rd	Cook Rd	2,217	P4	Has priority at Mount Rat Wells Road, 6-7m carriageway, trees within 3m clear zone, pavement good condition, straight alignment with minor vertical, has priority at Cook Road		
4.619	Redding Rd (West)	Cook Rd	Davies Rd	3,848	P4	Has priority at Cook Road, 7m carriageway, straight alignment with minor vertical, pavement average condition, trees generally outside 3m clear zone, width varies to 6m, long line of trees 3m from edge, small crest just before junction but can see fine, has priority at Davies Road		
25.221	Reliance Rd (Price)	Yorke Hwy	One and All Rd	1,135	P3	Intersection with One and All Road has give way, sight lines sufficient, radii insufficient will use full width, 5-7m wide road, deep footway, pavement poor, trees in clear zone, past several truck companies, junction with Yorke Highway has no hazard board, sight lines sufficient once at junction, radii sufficient, improve sight lines by trimming vegetation		
25.214	Reo Rd	White Hut Rd	Yellowcorowie Rd	3,583	P1	Junction with Yellowcorowie Road has give way, intersection covered with vegetation, sight lines sufficient, radii insufficient, <b>3m track with grass along middle of road</b> , (photo), some trees within clear zone, pavement poor, straight alignment with tight crest, sight line issues, widens to 4m for northern 300m, intersection with White Hut Road has give way, sight lines sufficient, radii insufficient	8 - Pavement	\$720,000
25.222	Reo Rd	Corry Point Rd	Wurlie Rd	4,416	P1	<b>Southern Junction with Wurlie Road closed with a gate (photo), northern 2.6km open to a dead end/gate, 3m track with grass down middle, major sight line issues over a crest, widens to 4m carriageway, straight alignment, vegetation trimmed back, pavement poor, poor vertical alignment with sight line issues, pavement has rutting, major pot holes, intersection with Corry Point Road has give way, sight lines sufficient, radii insufficient will use full width</b>	5 - Carriageway Widths	\$445,000
25.223	Reo Rd	White Hut Rd	White Hut Rd	1,665	P1	Intersection with White Hut Road has give way, sight lines sufficient, radii insufficient, <b>track with grass down middle, marked an 'No through road' (photo)</b>	8 - Pavement	\$335,000
7.911	Reserve Tce	Main St	South Tce	304	P3	Has priority at South Terrace junction, 5.5m seal with centreline, 2m unsealed shoulders, 50km/h speed zone, straight and flat, clear zone good, intersection with Main Street has give way, sight lines sufficient, radii sufficient		
4.969	Reservoir Rd	Coleman Rd	Westbrook Rd	4,028	P3	Intersection with Coleman Road has give way, sight lines sufficient, radii insufficient but can use full width, 7-8m carriageway, trees within 3m clear zone, pavement is poor with lots of pot holes, trees up to edge, branches overhanging, pavement poor, alignment good, has priority at Westbrook Road		
4.996	Reservoir Rd	Westbrook Rd	Williamson Rd	2,807	P4	Has priority at Westbrook Road, 7.4m carriageway, some vegetation growing on pavement, trees within 3m clear zone up to edge, pavement good condition, clear zone improves, pavement patch in sections, sight horizontal curve, still wide, intersection with Williamson Road has priority, warning sign provided		
4.997	Reservoir Rd	Williamson Rd	Killoran Rd	2,801	P4	Has priority at Williamson Road, 7m carriageway, trees within 3m clear zone, pavement reasonable quality, alignment fine, has priority at Killoran Road		
4.998	Reservoir Rd	Killoran Rd	Kainton Rd	2,042	P3	Has priority at Killoran Road, 7m carriageway, trees within clear zone on both sides, branches encroaching onto pavement, alignment straight with vertical curve, pavement good quality, intersection with Kainton Road has give way, sight lines good, five ways, radii insufficient but can use full width		
4.999	Reservoir Rd	Kainton Rd	Podawana Rd	925	P3	Intersection with Kainton Road has give way, sight lines sufficient, radii insufficient for some movements but can use full width reasonably, 5-6m carriageway, minor isolated trees within 3m clear zone, pavement has some soft spots, straight alignment, Podawana Road on a crest and hard to see intersection on approach, has priority but consider an intersection warning sign		
5.000	Reservoir Rd	Podawana Rd	Upper Yorke Rd	1,733	P1	Has priority at Podawana Road, 5m carriageway, isolated trees in 3m clear zone more bushes, <b>narrows to 3m with grass down middle of road</b> , pavement reasonable, straight alignment, tall grass up to edge not easy for a truck to get off if a vehicle comes the other way no matter how unlikely, <b>Junction with Upper Yorke Road has no hazard board, Y-junction with poor angle, sight lines insufficient although false crest hard to tell, radii insufficient due to angles</b>	3 - Major Intersection Upgrade	\$500,000
4.622	Rifle Range Rd	Balgowan Rd	McCauley Rd	2,245	P3	Intersection with McCauley Road has give way, sight lines sufficient, radii insufficient will cross centreline, 5-6m carriageway, pavement poor in sections, clear zone generally good but one section has trees up to edge, straight alignment, has priority at Balgowan Road intersection		
4.630	Rifle Range Rd	North Tce	Balgowan Rd	2,771	P2	Has priority at Balgowan Road intersection, 4m typically but wide varies, pavement poor condition, clear zone is good, straight alignment with only minor vertical, has priority at North Terrace	8 - Pavement	\$655,000
4.983	Roberts Hwy	Minlaton Rd	Bowden Rd	3,071	P3	Has priority at Bowden Road intersection, 7m carriageway, pavement poor in southern section improves, straight alignment with minor vertical curves, vegetation up to edges and branches encroaching, trees within 3m clear zone, pavement corrugated, intersection with Minlaton Road has give ways, sight lines sufficient but observation angles poor, radii insufficient will use full width due to angles		
4.984	Roberts Hwy	Bowden Rd	Trig Rd	2,752	P4	Has priority at Trig Road junction, 7m carriageway, vegetation up to the edge and encroaching onto pavement with branches, pavement good condition, straight alignment with some vertical curves, pavement has minor corrugations, some pot holes at northern end, has priority at Bowden Road		
4.985	Roberts Hwy	Trig Rd	Rogers Rd	4,178	P3	Has priority at Rogers Road, 6m carriageway, pavement good condition, vegetation up to edge, trees within 3m clear zone, straight alignment with some vertical curves, minor sight line issues over a crest, has priority at Trig Road junction		
4.966	Rockleigh Rd	West Beach Rd	Point Annie Rd	3,713	P2	Junction with West Beach Road (Corry Point Road?) has give way, five ways intersection, sight lines insufficient, radii insufficient for some movements, 5-6m carriageway, trees within 3m clear zone, pavement average, horizontal curves, some major sight line issues, typically 5m carriageway, pavement good, crest with poor approach sight distance to intersection, needs advanced warning sign, intersection with Point Annie Road has give way, sight lines sufficient to east, insufficient to west due to vertical curve and vegetation, radii insufficient will need full width	2 - Alignment and Signage	\$150,000
4.976	Rockleigh Rd	Point Annie Rd	Wurlie Rd	2,231	P2	Intersection with Point Annie Road has give way, sight lines to west insufficient due to curve, sufficient to east, radii insufficient will use full width, 5-6m carriageway, poor alignment with horizontal and vertical curves minor sight line issues, pavement fine, clear zone generally good, some vegetation up to edge, intersection with Wurlie Road has give way, sight lines insufficient to east due to vertical curve, insufficient to west due to vegetation, radii insufficient	6 - Sight Distance and Junction Widening	\$50,000
4.968	Rocky Bend Rd	Spencer Hwy	Barnes Rd	4,402	P1	<b>There are two junctions with Spencer Highway and a large loop, the northern junction is a Y-junction with poor angle, sight lines insufficient, radii insufficient for left in and right out, other movements fine, loop section 8m wide, vegetation up to edges, minor sight line issues around curves, look 15m long, southern junction sight lines sufficient, radii insufficient for left out and right in need to be banned, other movements fine due to high angle, should be squared up, junction onto Rocky Bend Road is Y-junction with minor leg, left in and right out not possible and need to be banned due to angle, other movement fine, 6-7m carriageway, trees within 3m clear zone and up to edge, vegetation encroaching onto pavement, pavement corrugated, narrows to 4-5m carriageway, light alignment with major sight line issues around horizontal curves due to vegetation, crests with sight line issues to, pavement poor, intersection with Barnes Road has give way, sight lines insufficient to west and dangerous due to embankment (photo), sufficient to east, radii insufficient for some movements due to road widths</b>	3 - Major Intersection Upgrade	\$600,000
5.011	Rocky Bend Rd	Bagshaw Rd	Ferguson Rd	1,371	P2	Intersection with Bagshaw Road has give way, sight lines sufficient, radii insufficient will use full width, 7-5m carriageway width, narrows to 5m through cutting over crest, pavement very rough, vegetation encroaching onto pavement, light horizontal curve, intersection with Ferguson Road has give way, sight lines sufficient, radii insufficient will use full width	8 - Pavement	\$275,000
5.045	Rocky Bend Rd	Ferguson Rd	Gap Rd	4,223	P3	Intersection with Ferguson Road has give way, sight lines sufficient, radii insufficient will need full width, 6-7m carriageway, straight alignment with several light crests with minor sight line issues, vegetation up to edge, some trees in 3m clear zone, widens to 7m pavement is corrugated, intersection with Gap Road has give way, sight lines insufficient due to horizontal curve and vegetation, radii insufficient will need full width		
5.065	Rocky Bend Rd	Gap Rd	Old Boundary Rd	3,302	P3	Intersection with Gap Road has give way, sight lines sufficient, radii sufficient, 7m carriageway, pavement poor condition very soft in sections, vegetation encroaching onto pavement 6m wide in sections, straight alignment with minor vertical curves, gets very wide in sections, light horizontal curves in southern section, have warning signs, major sight line issues due to vegetation, 7m wide around them only with no curve widening, intersection with Old Boundary Road has give way, sight lines sufficient, radii insufficient will cross centreline		
25.225	Rocky Bend Rd	Barnes Rd	Bagshaw Rd	3,929	P1	Intersection with Barnes Road has give way, sight lines insufficient to west due to horizontal curve, sufficient to east, radii insufficient for some movements very narrow, 6-7m carriageway, vegetation encroaching onto pavement, <b>steep crests with major sight line issues, pavement sandy, narrows to 4-5m carriageway, cut down, numerous crests with sight line issues, straight alignment, pavement soft and poor, light alignment, intersection with Bagshaw Road has give way, sight lines sufficient, radii insufficient will use full width</b>	5 - Carriageway Widths	\$395,000
25.215	Rocky Glen Rd (Kookwurrie)	Sparrow Rd	Mount Rat Wells Rd	1,746	P1	Junction with Sparrow Road has no hazard board, sight lines north insufficient due to vertical curve, sufficient to south, radii insufficient due to Rocky Glen Road width, (photo), <b>one lane track with grass down middle, poor pavement, trees within 3m clear zone, vegetation up to edge, western 200m 4m wide carriageway, poor pavement, junction with Mount Rat Wells Road has no hazard board, sight lines sufficient, radii insufficient</b>	8 - Pavement	\$350,000
5.066	Rocky Waterhole Rd	Klein Point Rd	St Vincent Hwy	3,532	P3	Klein Point Road junction has hazard board, private access to south, 7m carriageway, stobies on northern side of road 3m back, pavement poor condition, straight alignment, major pot holes, trees within 3m clear zone, vegetation up to edge and some encroaching, minor vertical but fine, one crest with minor sight line issues, tight curve on approach to junction but delineated with signs, pavement very poor with major pot holes, junction with St Vincent Highway has hazard board, sight lines sufficient radii sufficient		
5.067	Rocky Waterhole Rd	St Vincent Hwy	Oaklands Rd	3,690	P2	Junction with St Vincent Highway has hazard board, sight lines sufficient, radii insufficient will cross centreline, has minor slip line leg with large central island with trees on it, needs to be removed, 6-7m carriageway, grass growing on edge of pavement, trees within 3m clear zone, stobies outside 3m clear zone, some vegetation up to edge, straight alignment with minor vertical, narrows to 6m in sections, branches encroaching well onto pavement, pavement poor in sections, intersection with Oaklands Road has give ways, sight lines insufficient to south due to vegetation, sufficient to north just, radii insufficient will use full width	4 - Minor Intersection Upgrade	\$150,000

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
5.068	Rocky Waterside Rd	Oaklands Rd	Cortingle Rd	1,471	P2	Intersection with Oaklands Road has give ways, sight lines sufficient, radii insufficient will use full width, 7.6m carriageway, clear zone good, pavement fine, light horizontal curve but sight lines sufficient, junction with Cortingle Road has give way, sight lines insufficient to north, sufficient to south but poor observation angle, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
5.069	Rogers Corner Rd	Harry Butler Rd	Hardwicke Bay Rd	2,753	P3	Intersection with Hardwicke Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, turning vehicle will use full pavement width. Mid-block - 7.8m pavement width, pavement surface average - reasonable corrugation, trees within 3m clear zone, some branches into the roadway. Intersection with Harry B Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle likely to cross the centreline.		
5.070	Rogers Rd	Harry Butler Rd	Croser Rd	3,846	P3	Intersection with Harry Butler Road has give ways, six ways intersection, sight lines along Harry Butler Road sufficient, radii insufficient will cross centreline, 7-8m carriageway, pavement good with minor corrugations, trees within 3m clear zone, vegetation up to edge and encroaching onto pavement, straight alignment, narrows to 6m, sight vertical crest with minor sight line issues, has priority at Croser Road		
5.081	Rogers Rd	Croser Rd	Yacca Rd	4,345	P2	Has priority at Croser Road junction, 6-7m carriageway, grass growing on edges of pavement, trees within 3m clear zone, branches and vegetation encroaching onto pavement, pavement reasonable, two crests and a horizontal curve with minor sight line issues, vegetation really encroaching onto pavement, intersection with Yacca Road has give ways, major sight line issues due to road alignment, radii insufficient.	6 - Sight Distance and Junction Widening	\$50,000
4.961	Rooney Road	Council Boundary	Yararoo Rd	85		Not rated.		
4.960	Rose Rd	Willing Rd	Old Boundary Rd	1,102	P3	Intersection with Willing Road has give ways, sight lines sufficient, radii insufficient will use full road width, 6-7m carriageway width, trees within 3m clear zone, pavement poor condition, road widens to 8m wide, intersection with Old Boundary Road sight lines sufficient, radii insufficient for some movements due to poor angle		
5.074	Rose Rd	Honner Rd	Willing Rd	4,233	P2	Intersection with Honner Road has give way, sight lines are sufficient, radii insufficient will use full road width, 8m carriageway, trees within 3m clear zone, pavement good quality, has lots of pot holes and minor soft spots, some sight horizontal curves with minor sight line issues, crest with sight line issues, light alignment, narrows and creek crossing before intersection with Willing Road, sight lines sufficient, radii insufficient some moves not possible as too tight	6 - Sight Distance and Junction Widening	\$50,000
4.970	Ross Rd	St Vincent Hwy	Brook Rd	2,633	P3	Junction with St Vincent Highway has hazard board, sealed throat, sight lines sufficient, radii insufficient will cross centreline, 6-7m carriageway, straight with minor vertical curves, sight lines fine, some isolated trees within 3m clear zone, some vegetation up to edge, has priority at Brook Road		
4.971	Ross Rd	Brook Rd	Yorke Hwy	4,462	P4	Has priority at Brook Road, junction just over crest may be difficult to see, 7m carriageway, pavement poor condition with lots of pot holes, trees within 3m clear zone, vegetation up to edge of road, straight alignment with minor crests, minor corrugations, some grass growing on pavement edges, has priority past Powerline Road, junction with Yorke Highway has give way, very wide, sight lines sufficient, radii sufficient		
4.972	Rowntree Rd	Graham Rd	Kenny Rd	4,960	P3	Has priority at Graham Road, 7m carriageway, trees within 3m clear zone, straight alignment minor vertical, pavement poor with lots of pot holes, straight alignment, intersection with Kenny Road has give ways, sight lines sufficient, radii insufficient but can see and use full width		
4.973	Rowntree Rd	Kenny Rd	Dowlingville Start Rd	2,851	P3	Intersection with Kenny Road has give ways, sight lines sufficient, radii insufficient can use full width and see, 7m carriageway, trees within 3m clear zone, pavement is poor with lots of pot holes and corrugations, alignment fine, stobles, intersection with Dowlingville Start Road has give way, five ways, poor angles, sight lines sufficient, radii insufficient for some movements due to angles		
4.627	Sapphire Rd	Yorke Hwy	Shed Rd	3,055	P1	Junction with Yorke Highway has no give way or hazard board, sight lines very good, radii insufficient will cross full width, can easily see into Sapphire Rd to check it is clear, unsealed carriageway, vegetation low but up to edge and onto pavement, 5.6m wide carriageway, intersection with Borface Rd has priority with give ways on side roads, pavement reasonable condition, up to Kellys Hills Rd junction Sapphire Rd is fine, this intersection is a Y-junction and poorly set up, need give way on Sapphire Rd leg, road becomes one lane track with grass down middle, 3.4m wide, straight and flat, pavement average, junction with Shed Rd has no hazard board, sight lines sufficient, radii insufficient and will need full road width and be very tight	3 - Major Intersection Upgrade	\$250,000
4.628	Sandercreek Rd	Pedler Rd	Arthurton Rd	1,205	P3	Has priority at Pedler Road, 7-8m carriageway, vegetation up to edges and encroaching, trees within 3m clear zone, straight alignment, pavement has some pot holes, drainage issues, intersection with Arthurton Road has give way, six ways, sight lines sufficient along Arthurton Road others poor, radii insufficient for some movements will need full width		
5.126	Sandilands Rd	Maitland Rd	Pine Point Rd	654	P3	Intersection with Pine Point Road has give way, sight lines sufficient, radii insufficient will cross centreline, left in very tight and trees block sight lines, 8m carriageway, pavement good with some pot holes, trees just outside 3m clear zone, intersection with Maitland Road has give ways, sight lines sufficient, radii sufficient		
5.147	Sandilands Rd	Pine Point Rd	South Toe	220	P2	Junction with South Terrace is 90 degree bend, major sight line issues and insufficient width so trucks will cross centreline, 7m carriageway, trees within 3m clear zone, intersection with Pine Point Road has give way, sight lines sufficient, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
25.216	Sandy Point Rd	South Coast Rd	Coonarie East Rd	3,427	P1	Junction with South Coast Road has give way, needs hazard board, sight lines sufficient, radii insufficient will cross centreline, typically 6m carriageway some sections wide, poor horizontal and vertical alignment with major sight line issues, vegetation up to edges and encroaching onto pavement, some trees within 3m clear zone, pavement very bad in sections barely any there, junction with Coonarie East Road is Y-junction, priority unclear sight lines insufficient radii insufficient (photo)	3 - Major Intersection Upgrade	\$250,000
4.886	Savage Hut Rd	Depot Shed Rd	Green Flat Rd	571	P2	(Photo) Intersection with Depot Shed Rd - Acute intersection angle, sight lines sufficient, observation angle poor due to intersection geometry, radius insufficient, some movements will track off the pavement. Mid-Block - 6m pavement width with grasses encroaching in 1m on either side within pavement, trees within the 3m clear zone. Intersection with Green Flat Rd - Has give way sign, sight lines insufficient (both) due to vegetation, radius insufficient, vehicles will use full pavement width.	7 - Major Intersection Widening	\$100,000
5.009	Savage Hut Rd	Olive Tree Rd	Depot Shed Rd	2,644	P2	(Photo) Intersection with Olive Tree Rd - Has give way sign. Sight lines insufficient due to vegetation (left and right) radius insufficient, left out turn will track off the pavement. Mid-Block - Pavement width 4 to 5m, pavement surface poor - exposed rock and potholes, grass growing at pavement edges, some trees within 3m clear zone and horizontal curves with insufficient sight lines. Pavement damage at low point adjacent foodplains. Intersection with Depot Shed Rd - Acute intersection angle, sight lines sufficient, observation angle poor due to intersection geometry, radius insufficient, some movements will track off the pavement.	8 - Pavement	\$530,000
5.048	Savage Hut Rd	Weavers Rd	Olive Tree Rd	1,159	P1	(Photo) Intersection with Weavers Rd - Acute intersection angle (very tight (<45 degrees) with Weavers Rd to the left), 5 leg intersection. Has give way sign, sight distance insufficient, vegetation impacting both directions and very poor intersection angle to left (although pre-intersection turn round connection provided to Weaver). Radius insufficient for left out and right in turns, will track off of pavement. Mid-Block - 6 to 7m pavement width, heavy grass growth through pavement near edges, pavement surface otherwise good, some trees within 3m clear zone. Intersection with Olive Tree Rd - Has give way sign. Sight lines sufficient, radius insufficient, vehicles will track over full pavement width.	2 - Alignment and Signage	\$150,000
5.056	Savage Hut Rd	Culline Rd	Stokers Lake Rd	2,338	P2	Intersection with Culline Rd - Has give way sign (faded), sight lines insufficient (both) due to vegetation up to edge of pavement, radius insufficient, vehicle will use full pavement width. Mid-Block - 7 to 8m pavement width, pavement surface good, reasonable amount of weeds growing in pavement near edges and in, limiting effective width to 6m, trees within 3m clear zone with branches encroaching into the road width, some trees at edge of pavement. Intersection with Stokers Lake Rd - Not present, road closed off for some time (through horizontal curve)	7 - Major Intersection Widening	\$100,000
5.071	Savage Hut Rd	Brentwood Rd	Weavers Rd	2,920	P2	Intersection with Weavers Rd - Give way sign present (but after crest, poor approach sight distance), 5 leg intersection, confusing priority between 2 minor legs prior to main leg, sight lines insufficient to the left due to vegetation, radius insufficient, particularly left-out, right-in due to intersection angle. Mid-Block - 7 to 8m pavement width, pavement surface good, lots of trees within 3m clear zone. Some horizontal curves, sight lines through curves sufficient. Some loss of pavement fines at low points where water may pond. Intersection with Brentwood - Has give way sign, sight lines sufficient to the left, limited somewhat to the right due to vegetation and horizontal curve. Radius insufficient, vehicle will use full pavement width.	7 - Major Intersection Widening	\$100,000
5.073	Savage Hut Rd	Stokers Lake Rd	Brentwood Rd	1,320	P3	Intersection with Brentwood Rd - Has give way sign, sight distance sufficient, radius insufficient, will use full pavement width. Mid-Block - 8m pavement width, pavement surface good, reasonable amount of weeds growing in pavement near edges and in, limiting effective width to 6m, trees within 3m clear zone with branches encroaching into the road width. Horizontal curve with curve warning sign, no delineation or widening on the curve itself and insufficient sight lines through curve due to vegetation. Some crests, sight lines reasonable.		
5.079	Savage Hut Rd	Rogers Rd	Culline Rd	1,933	P3	Intersection with Stokers Lake Rd - Not present, road closed off for some time (through horizontal curve noted above). Has priority at Rogers Road, 7m carriageway, pavement good with some pot holes, trees within 3m clear zone, vegetation up to edge, straight alignment with constant vertical curves sight lines sufficient, intersection with Culline Road has give way, sign needs to be replaced, sight lines sufficient, radii insufficient will cross centreline		
25.217	Savage Hut Rd	Green Flat Rd	Pentonvale Rd	1,113	P1	(Photo) Intersection with Green Flat Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicles will track off the pavement. Mid-Block - 3m pavement width, grass in centre of pavement, pavement surface poor, uneven rock and potholes. Isolated trees within 3m clear zone, sight horizontal curve with wide radius, sight lines through curve. Narrow track, not suitable for heavy vehicles. Intersection with Pentonvale Rd - Acute intersection angle, no give way sign (add), sight lines insufficient due to vegetation, crest and poor observation angle, radius insufficient - vehicle will track off of pavement.	8 - Pavement	\$225,000
4.978	Sawley Rd	2km N of Harmer Rd	Waylands Rd	2,259	P3	Intersection with Waylands Road has give way, sight lines sufficient, radii insufficient will cross centre of road, 7m carriageway, trees within 3m clear zone, trees within 3m clear zone, vegetation encroaching, pavement generally good		
5.001	Sawley Rd	Harmer Rd	2km N of Harmer Rd	2,003	P4	Intersection with Harmer Road has give way, sight lines sufficient, radii insufficient will cross centre of road, 7m carriageway, trees within 3m clear zone, trees within 3m clear zone, up to edge of road, branches encroaching, pavement good, straight alignment, long upgrade to Harmer Road, has priority		
5.003	Sawley Rd	Upper Yorke Rd	Harmer Rd	907	P2	Has priority at Harmer Road, 7-8m carriageway, trees within 3m clear zone, pavement becomes very wide, good quality pavement, intersection with Upper Yorke Road has give ways, has small islands and another side road, poor angles, need to remove islands and formalise, sight lines sufficient on main leg, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.979	Schilling Rd	Upper Yorke Rd	Bussenschutt Rd	4,075	P1	Intersects with Sunnyvale Road rather than Upper Yorke Road, sight lines sufficient, radii insufficient can use full width, one lane track, 3m wide with grass down centre (photo), some trees within 3m clear zone, vegetation up to edge and encroaching, poor alignment with minor sight line issues, approximately 1.5km south of Bussenschutt Road 1 widens to 4.5m carriageway, trees along edge, pavement good condition, <b>Interaction with Bussenschutt Road has give way, large central island makes angles poor and radii insufficient for some movements, sight lines insufficient for some legs</b>	5 - Carriageway Widths	\$470,000
4.531	Schwartz Rd	T Junction Unnamed Rd	2.1km N of T Junction Unnamed Rd	2,117	P4	Has priority at start of segment, 7.8m carriageway, clear zone good, pavement corrugated, minor vertical curves, sight lines sufficient, has priority at end of segment		
4.532	Schwartz Rd	2.1km N of T Junction Unnamed Rd	Old Boundary Rd	1,606	P2	Junction with Old Boundary Rd is 90 degree curve, has hazard board, minor sight line issues due to vegetation, will cross centreline, 7m carriageway, pavement cut down, very corrugated, some trees within clear zone, end of segment tight horizontal curve sight lines sufficient but no widening will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.980	Schwartz Rd	End of seal 45km N of Main St	T Junction Unnamed Rd	2,089	P3	Has priority at start of segment, 7m carriageway, clear zone good, pavement corrugated, alignment minor horizontal and vertical curves but sight lines sufficient except for one curve, road heads in township of Balgowan		
4.533	Secker Rd (Curramulla)	West Toe	Micky Flat Rd	339	P2	Junction with West Terrace has no give way and no hazard board, sight lines sufficient, radii insufficient will cross road, 5.6m carriageway, alignment poor, vegetation encroaching onto pavement, some trees within 3m clear zone, junction with Micky Flat Road has no give way or hazard board, angle tight, sight lines sufficient, radii sufficient	6 - Sight Distance and Junction Widening	\$50,000
7.645	Shannon Tce	Elias St	Clinton Rd	671	P3	Has priority at Elias Street kerb and houses on western side, large sealed spoon drain on eastern side, 7.5m seal with no line marking, pavement fine, junction with Clinton Road has give way, sight lines sufficient, radii insufficient		
7.646	Shannon Tce	Elizabeth St	Elias St	221	P3	Intersection with Elizabeth Street has give way, sight lines sufficient, radii insufficient will cross centreline, 7.5m kerb to kerb, stobies 3m back on western side, straight alignment, has priority at Elias Street		
4.534	Shed Rd	Yorke Hwy	Kellys Hill Rd	2,828	P3	Intersection with Yorke Highway has give ways, radii insufficient will use full width, sight lines poor due to being on the inside of horizontal curve, can see sufficient distance however, this is a 'Walk the Yorke' shared zone road, not a good combination for heavy vehicles, graded to 7m wide but grass growing on shoulders of pavement, straight and slight up grade on road, pavement fine, width varies gets narrower and then much wider, intersection with Kellys Hill Rd has give way, five ways, radii insufficient for some movements, sight lines sufficient but poor angles		
4.597	Sheak Beach Rd	New Honiton Rd	Old Honiton Rd	1,977	P2	Intersection with New Honiton Road has give way, sight line sufficient, radii insufficient will cross full width, 6-7m carriageway, straight alignment, clear zone is good, pavement reasonable, intersection with Old Honiton Road has give way, five ways, poor angles, major sight line issues to western leg (photo) due to vegetation and horizontal curve, sight lines sufficient along eastern leg, however poor observation angle, radii insufficient for some movements due to angles	6 - Sight Distance and Junction Widening	\$50,000
4.605	Sheak Beach Rd	St Vincent Hwy	New Honiton Rd	886	P3	Intersection with St Vincent Highway has give way, sight lines marginal to east, sufficient to west, radii sufficient, 6m carriageway, straight alignment with minor vertical, clear zone good, pavement average with corrugations, intersection with New Honiton Road has give way, sight lines sufficient, radii insufficient, will cross full width		
4.607	Sheak Beach Rd	Old Honiton Rd	Wattle Point Rd	3,004	P2	Intersection with Old Honiton Road has give way, sight lines insufficient to west due to horizontal curve, sufficient to east, poor angles as five ways, radii insufficient, 7m carriageway, clear zone good except for pile of rubble, pavement reasonable with minor corrugations, straight alignment with minor vertical, vegetation up to edges in southern section, some trees within 3m clear zone, pavement worse further south, vegetation encroaching, junction with Wattle Point Road has give way, sight lines sufficient, poor angle should be squared up, radii insufficient for left out and right in due to angle, other movements use full width	2 - Alignment and Signage	\$150,000
4.608	Sheak Flat Rd	Old Coast Rd	St Vincent Hwy	2,194	P3	Junction with Old Coast Road has give way, needs hazard board, sight lines sufficient, radii insufficient will use full road width, some drainage infrastructure, long steep descent to this junction, 7m carriageway, pavement good condition, trees outside clear zone, some vegetation up to road edge, straight alignment, intersection with St Vincent Highway has give way, sight lines sufficient, radii sufficient		
4.609	Sheak Flat Rd	St Vincent Hwy	2.5km W of St Vincent Hwy	2,507	P4	Intersection with St Vincent Highway has give way, sight lines sufficient, radii sufficient may just cross centreline but 7m carriageway, pavement has a lot of loose material on surface, clear zone good with some vegetation up to edge, straight and flat alignment		
4.610	Sheak Flat Rd	2.5km W of St Vincent Hwy	Powerline Rd	2,625	P4	7m carriageway, vegetation up to edge, trees outside 3m clear zone, horizontal curve with minor sight line issues due to vegetation, pavement has loose material on surface, vertical curves sight lines reasonable, pavement poor condition, has priority at Powerline Road		
4.611	Sheak Flat Rd	2.5km W of Power Line Rd	Powerline Rd	2,503	P4	Has priority at Powerline Road, 7m carriageway, straight alignment with vertical curves, vegetation up to edge, some trees within 3m clear zone, pavement reasonable		
4.612	Sheak Flat Rd	2.5km W of Power Line Rd	Cemetery Rd	2,398	P4	7.8m carriageway, vegetation up to edge, clear zone generally good however some isolated trees within 3m, pavement good condition, alignment fine, has priority at Cemetery Road		
4.638	Sheak Hill Rd	Arhurton Rd	Lakes Rd	5,934	P1	Intersection with Arhurton Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, pavement good condition, trees within 3m clear zone, vegetation up to edge and encroaching onto pavement, tight horizontal curve with minor sight line issues, vehicles likely to cross centreline, wider now to 7m, after 1.5km road narrows to 5m with very poor pavement, trees up to edge, <b>very soft, poor alignment 3-4m wide, has fence across at 3.8km, no access from Lakes Road</b>	8 - Pavement	\$1,190,000
4.981	Simmons Rd	Maitland Rd	Standpipe Rd	4,121	P2	Intersection with Standpipe Road has give way, sight lines sufficient, radii insufficient will cross full width, 7m carriageway, straight and flat at start, trees within 3m clear zone, pavement good condition, long vertical curve, narrows to 6m, minor sight line issues over crest, then tight horizontal curve with major sight line issues due to vegetation, vehicles will cross centreline, intersection with Maitland Road has give way, sight lines sufficient, trim vegetation to south to improve, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.982	Smith Rd	Spencer Hwy	Yorke Valley Rd	1,644	P3	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will need full road width, 6m carriageway, stobies 6m from edge, straight and flat, pavement good with some grass on edges, intersection with Yorke Valley Road has give ways, six ways intersection, sight lines sufficient on Yorke Valley Road but not other legs, radii insufficient for some movements due to angles, dip at intersection which has drainage issues		
4.983	Smith Rd	Yorke Valley Rd	2.8km E of Yorke Valley Rd	2,804	P3	Intersection with Yorke Valley Road has give ways, sight lines along Yorke Valley Road sufficient but not along other two legs, radii insufficient for some movements, 7m carriageway, straight alignment, some trees within 3m clear zone, pavement in good condition		
5.049	Smith Rd	2.8km E of Yorke Valley Rd	Pine Point Rd	2,811	P3	7m carriageway, straight alignment, trees within 3m clear zone, pavement has some pot holes, some grass on edge of pavement, trees up to edge of pavement, straight and flat, pavement generally good, narrows to 6m wide, intersection with Pine Point Road has give ways, sight lines sufficient, radii insufficient will need full width but reasonable		
4.679	South Kilkernan Rd	Point Pearce Rd	Chinaman Wells Rd	2,479	P3	Intersection with Chinaman Well Road has give way, sight lines sufficient, radii insufficient will cross centreline likely, 7.8m carriageway, pavement good condition, straight and reasonably flat, some trees within 3m clear zone, some vegetation up to edge, intersection with Point Pearce Road has give way, sight lines sufficient, radii insufficient will cross centreline		
4.684	South Kilkernan Rd	Spencer Hwy	Barley Stacks Rd	3,707	P2	Has priority at Barley Stacks Road intersection, horizontal curve through intersection, 47.8m carriageway, pavement good condition, trees within 3m clear zone, vegetation up to edge of pavement, horizontal curve fine, steep downgrade to Spencer Highway, has give way signs, seven ways intersection, central islands, priority between side roads unclear, needs to be improved, sight lines along Spencer Highway sufficient, radii insufficient for some movements due to islands	4 - Minor Intersection Upgrade	\$150,000
4.585	South Kilkernan Rd	Barley Stacks Rd	Hean Rd	2,843	P4	Has priority at Hean Road, 8m carriageway, some isolated trees within 3m clear zone, pavement good quality, straight alignment minor vertical, clear zone generally good, has priority at Barley Stacks Road, tight horizontal curve through intersection		
4.587	South Kilkernan Rd	Port Victoria Rd	Point Pearce Rd	1,296	P2	Intersection with Point Pearce Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, trees within 3m clear zone, straight and flat, pavement good condition, intersection with Port Victoria Road has give way, sight lines sufficient, poor angle with large central island, needs to be removed, radii insufficient for some movements	4 - Minor Intersection Upgrade	\$150,000
4.589	South Kilkernan Rd	Chinaman Wells Rd	Saint Rd	2,862	P3	Intersection with Saint Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 6-7m carriageway, vegetation up to edges, pavement good condition, some trees within 3m clear zone, 7.8m carriageway, alignment fine, intersection with Chinaman Well Road has give way, sight lines sufficient, radii insufficient will cross centreline		
4.590	South Kilkernan Rd	Saint Rd	Cross Rd	4,013	P3	Has priority at Cross Road, 7.8m carriageway, trees within 3m clear zone, some vegetation up to edge, pavement good condition, horizontal curves reasonable, long gradual uphill section, some sections where water runs across road, can improve, over 8m wide, narrows to 7m, intersection with Saint Road has give way, sight lines sufficient, radii insufficient will use full width		
4.591	South Kilkernan Rd	Cross Rd	Balgowan Rd	2,144	P3	Intersection with Balgowan Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 7.8m carriageway, trees within 3m clear zone, some trees on edge of pavement, generally clear zone is good, pavement good quality, flat and straight out to 5m wide, intersection with Cross Road has priority		
4.596	South Kilkernan Rd	Hean Rd	Port Victoria Rd	1,560	P2	Intersection with Port Victoria Road has give way, large central island, sight lines sufficient but poor observation angles, radii insufficient for some movements due to island, should be removed, 5m wide carriageway, flat and straight, pavement good quality, vegetation along one side with some trees in 3m clear zone, has priority at Hean Road	4 - Minor Intersection Upgrade	\$150,000
5.143	South Tce (Maitland)	Saint Rd	Port Victoria Rd	652	P3	Intersection with Saint Road has give way, sight lines sufficient but poor observation angle, radii insufficient for some movements, 7.8m carriageway, straight and generally flat, trees outside 3m clear zone, pavement quality is good, intersection with Port Victoria Road has give way, sight lines sufficient, can be improved to north with vegetation trimming, radii insufficient will cross full road width		
5.160	South Tce (Maitland)	End of Seal at Town limit	Sandilands Rd	536	P2	6m unsealed carriageway, straight with long down slope, some trees within 3m clear zone, pavement reasonable but drainage issues leads to water running across the road and causing rutting, junction with Sandilands Road just 90 degree bend which has no widening and major sight line issues	2 - Alignment and Signage	\$150,000
5.172	South Tce (Maitland)	Port Victoria Rd	Spencer Hwy	311	P3	Intersection with Port Victoria Road has give way, sight lines sufficient, radii insufficient may cross centreline, 6-7m carriageway, trees within 3m clear zone, branches up to edge, pavement has some rutting from water running across road, intersection with Spencer Highway has give way, sight lines sufficient, radii sufficient		
7.647	South Tce (Maitland)	Spencer Hwy	End of Seal at Town limit	306	P3	Intersection with Spencer Highway has give way, sight lines sufficient, radii sufficient may be just across centreline, 8m seal with no line marking, straight alignment, slight vertical curve, trees on edge of 3m clear zone, stobies outside, narrow		
4.560	Sparrow Rd	Yorke Hwy	Butler Rd	4,075	P1	Intersection with Butler Road has give way, sight lines sufficient to east, insufficient to west due to horizontal curve and vegetation, radii insufficient will use full width, 8-7m carriageway, pavement has some pot holes and corrugations, trees within 3m clear zone, alignment fine, <b>priority unclear with Saucer Road as both has give ways past this intersection for Yorke Highway</b> , then have two legs onto Yorke Highway for these two roads, need to clarify priority, using leg straight ahead of Sparrow Road the sight lines along Yorke Highway are sufficient, radii insufficient for left out but other movements fine	6 - Sight Distance and Junction Widening	\$50,000

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.758	Sparrow Rd	Butler Rd	Mount Rat Rd	3,160	P3	Intersection with Mount Rat Road has give way and hazard board, well squared up away from other legs, sight lines to west insufficient due to horizontal curve in road, sight lines to east sufficient, vegetation trimming needed improve, radii sufficient, light horizontal curve on approach to junction, has advanced warning sign, 7m carriageway, vegetation up to edge, widens to 8m at least, pavement generally good, alignment fine, some isolated trees in 3m clear zone, intersection with Butler Road has give way, see through issues, sight lines insufficient to east due to vegetation needs trimming, sufficient to west, radii insufficient will use full width		
4.780	Sparrow Rd	Gregor Rd	Redding Rd	1,981	P3	Intersection with Redding Road has give way, sight lines sufficient, radii insufficient will cross centre line, 6.7m carriageway, straight alignment with vertical curves, trees within 3m clear zone, pavement soft in sections, road not straight edges wander constantly, road width widens to 7m, has priority at Gregor Road		
4.789	Sparrow Rd	Mount Rat Rd	Gregor Rd	2,554	P3	Has priority at Gregor Road, 7.8m carriageway, pavement rough and corrugated, trees within 3m clear zone but generally outside, straight alignment, minor vertical curve minor sight lines issues, pavement poor with large pot holes, very wide, advanced give way warning sign as light horizontal curve into give way and junction, set up with Bitter Road has hazard board, sight lines sufficient, radii insufficient will cross centreline will be squared up, then onto Bitter Road with give way for Mount Rat Road, sight lines sufficient, radii sufficient will likely cross centreline		
4.752	Spicer Rd	Yorke Hwy	The Gunbarrel Rd	2,675	P3	Intersection with Yorke Highway has give ways, sight lines sufficient, radii insufficient for some movements due to central island created by Sparrow Road, need to be improved, 7.8m carriageway, pavement generally good but some sections have major pot holes, clear zone generally good but some isolated trees within 3m, some major drainage issues at several sections along the road (photo), has priority at The Gunbarrel Road		
4.782	Spicer Rd	The Gunbarrel Rd	Spencer Hwy	2,937	P4	Has priority at The Gunbarrel Road, 7.8m carriageway, trees within 3m clear zone, branches encroaching onto pavement up to edge, pavement generally good, straight alignment with minor vertical crests, some sections have major drainage issues, road needs to be reshaped by grader to improve drainage, intersection with Spencer Highway has give ways, sight lines sufficient, radii sufficient		
4.763	Springfield Rd	Minlaton Rd	Cross Rd	4,416	P2	Has priority at Cross Road, 8m carriageway, pavement in good condition, straight alignment with vertical curves, vegetation up to both edges, trees within 3m clear zone, sight lines good over vertical curves, pavement good, junction with Minlaton Road has hazard board, sight lines insufficient major issues mainly to the east, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.764	Springfield Rd	Cross Rd	Cutline Rd	3,489	P3	Junction with Cutline Road has give way, needs hazard board, sight lines sufficient, radii insufficient will use full width, 6.7m carriageway, vegetation up to edge, some trees in 3m clear zone, pavement good, light horizontal curves with minor sight line issues due to vegetation, width varies, 8m in sections, has priority at Cross Road		
4.765	Standpipe Rd	Graham Rd	Maitland Rd	2,455	P3	Intersection with Maitland Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6.7m carriageway, straight and generally flat, trees within 3m clear zone, vegetation encroaching onto pavement, pavement condition is good with some pot holes, has priority at Graham Road intersection		
4.766	Standpipe Rd	Maitland Rd	Lodge Rd	3,413	P3	Has priority at Lodge Road intersection, 7m carriageway, trees within 3m clear zone, vegetation encroaching onto pavement, pavement good condition, straight alignment with minor vertical, narrows in sections to 6m, widens to 8m in sections, some isolated pot holes, intersection with Maitland Road has give way, sight lines sufficient, has central islands with slo lanes, cause kerbing radii issues and should be removed		
4.767	Standpipe Rd	Lodge Rd	James Well Rd	3,553	P3	Intersection with James Well Road has give way, sight lines sufficient, can be improved with vegetation trimming, radii insufficient will cross centreline, 7m carriageway, pavement in good condition, vegetation encroaching onto pavement, trees within 3m clear zone, straight alignment with minor vertical, has priority at Lodge Road intersection		
4.744	Stewies Rd	Airstrip Rd	James Well Rd	4,012	P2	Junction with James Well Road has give way but no hazard board, sight lines sufficient to east but insufficient to west due to vertical curve, radii insufficient, need full width, 6.7m carriageway, some vegetation growing on edges of pavement, trees within 3m clear zone, bushes encroaching onto pavement need trim, alignment tight, pavement fine, minor rutting, horizontal and vertical curves with tight alignment but sight lines are fine, has priority at Airstrip Road	6 - Sight Distance and Junction Widening	\$50,000
25.230	Stockers Lake Rd	Bublawowie Rd	Savage Hut Rd	3,129	P1	(Photo x2) Northern section closed off / not accessible, southern side not trafficable, not suitable for heavy vehicle use		
4.761	Stone Rd (Curramulka)	Misky Flat Rd	End of Sheeling	712	P2	Junction with Misky Flat Road, has no give way or hazard board, poor angle, slightly squared up only, sight lines sufficient, radii insufficient for some movements, no through road, 5.6m carriageway, poor alignment, trees along edge of road, vegetation encroaching, dead end	6 - Sight Distance and Junction Widening	\$50,000
4.759	Storen Rd	Old Railway Line	Yararoo Rd	2,108	P3	Nothing at Old Railway Line, 6.7m unsealed carriageway, pavement good quality, trees within 3m clear zone, alignment tight with horizontal and vertical curves, sight lines generally sufficient, minor sight line issues over crest, junction with Yararoo Road has give way, sight lines sufficient, radii good but may cross centreline for some movements		
4.592	Stuckey Rd	Wyndotte Rd	Arthurton Rd	3,330	P3	Priority at Wyndotte Road, 6.7m carriageway, pavement poor has lots of loose fine sandy material on it, some trees within 3m clear zone, vegetation up to edge of pavement, straight alignment with minor vertical crests, light horizontal curves with minor sight line issues, more minor crests, lots of trees within 3m clear zone now, intersection with Arthurton Road has give way, six way intersection, sight lines sufficient along Arthurton Road, radii insufficient but can cross centreline		
4.736	Stuckey Rd	Spencer Hwy	Wyndotte Rd	2,239	P4	Junction with Spencer Highway needs hazard board, sight lines sufficient, radii sufficient, 6.7m carriageway, vegetation up to edge, some trees within 3m clear zone, straight alignment, crest with sight line issues over it, pavement good quality some loose material, has priority at Wyndotte Road		
7.643	Sturt Bay Rd	Town centre	Warooka (Golf Club)	215	P3	Has priority at Baker Street (seems like where segment starts?), 1.4m kerb to kerb, has centreline, flat and straight, pavement good condition, status behind kerb, 50km/h speed zone within town, junction with Yorke Highway has give way, sight lines sufficient, have to look around building slightly, radii insufficient		
4.632	Substation Rd (Edinburgh)	Bridge Rd	Lake Fowler Rd	3,657	P2	Junction with Bridge Road has give way, sight lines sufficient to south, insufficient to north due to vertical curve, radii insufficient will use full width, needs hazard board, 5.6m carriageway, pavement average, sight alignment with horizontal and vertical curves with minor sight line issues, clear zone has some stobie poles and trees within 3m, some vegetation up to edge, large pile of rocks on southern side of road within 3m clear zone, intersection with Lake Fowler Road has give way, five ways, sight lines along Lake Fowler Road sufficient, other legs not, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
7.804	Sultana Point Rd	Charles Carter Way	Town limit	327	P4	7m seal with edge lines right on edge, very poor line marking, 2m unsealed shoulders, straight and flat, pavement good, houses on western side, clear zone good, 80km/h at end of segment		
7.905	Sultana Point Rd	Parfity Tce	Charles Carter Way	299	P4	Has priority at Parfity Terrace, houses along western side, straight and flat, 12m seal with parking lane and kerb on western side of road, roll over kerb, marked as Clear Runoff Area? has priority		
7.906	Sultana Point Rd	South Tce	Parfity Tce	319	P3	Has priority at South Terrace, 50km/h speed zone, 6m seal with centreline, 2m unsealed shoulders, clear zone good, pavement poor in sections, horizontal curves through Parfity Terrace have curve widening, has priority		
8.088	Sultana Point Rd	Parfity Tce	1.0km S of Parfity Tce	424	P4	Assume this starts at Town limit? 7m seal with edge lines, 2m unsealed shoulders, clear zone good, 80km/h speed zone, horizontal curve fine		
8.099	Sultana Point Rd	1.0km S of Parfity Tce	Sultana Pt Town Entry	1,135	P4	8m seal with 0.7m sealed shoulders, 1.2m unsealed shoulders, 80km/h speed zone, clear zone good, pavement good, alignment fine long horizontal curve reasonable, ends at 30km/h speed zone		
4.633	Summer Track	Francis Rd	Yararoo Rd	2,918	P1	<b>Intersection with Yorke Valley Road has give way, V-junction set up with poor angles, sight lines insufficient, radii insufficient due to angles for some movements, needs to be squared up, 7.8m carriageway, straight and flat, clear zone generally good but some trees within it, pavement rough average condition, trees more frequent further south, intersection with Yararoo Road has give way, hard to see on approach due to vegetation, sight lines a sufficient, can be improved to east by trimming vegetation, radii insufficient will use full road width</b>	3 - Major Intersection Upgrade	\$500,000
4.634	Summer Track	Yararoo Rd	Sandy Church Rd	3,492	P3	Intersection with Yararoo Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7.8m carriageway, trees within 3m clear zone, pavement good minor corrugations, straight and flat alignment, intersection with Sandy Church Road has give way, sight lines sufficient but impacted by tall grass, radii insufficient will cross centreline		
4.635	Summer Track	Sandy Church Rd	2.5km S of Sandy Church Rd	2,500	P3	Intersection with Sandy Church Road has give way, sight lines sufficient, need grass trimmed, radii insufficient will cross centreline, 8m carriageway, clear zone generally good but curve fine, pavement good condition, vertical curves sight lines good		
4.737	Summer Track	2.5km S of Sandy Church Rd	Andrews Rd	2,627	P2	8m carriageway, pavement good condition, straight alignment with some vertical curves but minor, trees within 3m clear zone, vegetation up to edge, narrow to 7m carriageway, intersection with Andrews Road has give way, sight lines to east sufficient, to west insufficient due to vegetation needs trimming, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.738	Summer Track	Andrews Rd	Black Bobs Rd	3,190	P2	Intersection at Andrews Road has give way, sight lines sufficient, radii insufficient will need full width, large pot hole at junction, 6m carriageway, trees within 3m on both sides, clear zone improves, width varies, pavement rough but reasonable, horizontal curve satisfactory, intersection with Black Bobs Road has give way, sight lines insufficient both ways due to vegetation and road angle, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.739	Sunbury Oval Rd (Yorketown)	St Vincent Hwy	End of Sheeling	1,205	P3	Northern end becomes a property access, 3m pavement width with grass in centre, some potting, uneven exposed rock. Southern end widens to 6 to 7m, some grass on pavement edge, stobie along alignment outside of 3m clear zone, southern horizontal curve with no deterioration or widening, insufficient sight lines due to vegetation to pavement edge		
4.740	Sundown Lake Rd	Port Vincent Rd	Dump Rd	4,735	P1	Intersection with St Vincent Hwy - No give way or hazard board signage, sight lines sufficient, radius insufficient, vehicle will cross centreline.	2 - Alignment and Signage	\$150,000
4.741	Sundown Lake Rd	Dump Rd	Minlaton Rd	5,502	P3	Intersection with Dump Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, straight at the start with numerous crests sight lines generally fine, vegetation up to edge and encroaching onto pavement some trees within 3m clear zone, pavement average condition, light alignment in section with horizontal curves minor sight line issues, junction with Old Port Vincent Road has give way and then both legs straight onto Port Vincent Road, priority unclear sight lines into Old Port Vincent Road major issue due to pine trees, sight lines along Port Vincent Road insufficient to west due to horizontal curve very poor, sufficient to east, radii will cross centreline. (photo)		
4.693	Sunnyvale Rd	Kalkabury School Rd	Coote Rd	3,343	P4	Junction with Minlaton Road has give way, sight lines sufficient, radii sufficient, 7.8m carriageway, pavement poor in sections with pot holes, vegetation up to edge, some trees in 3m clear zone, horizontal and vertical curves with minor sight line issues, light horizontal curves around the lake, widen over 8m with super-elevation, sight lines generally good, pavement very poor with significant pot hole, intersection with Dump Road has give ways, sight lines sufficient, radii insufficient will cross centreline		
						Has priority at Kalkabury School Road, 7m carriageway, trees within 3m clear zone, 8m carriageway, some large pot holes, alignment good, has priority at Coote Road		

Yorke Peninsula Council

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.684	Sunnyvale Rd	Cote Rd	Agery Rd	3,520	P2	Has priority at Cote Road intersection, 6m carriageway, trees within 3m clear zone, pavement is poor with lots of pot holes, need to be improved, alignment is good, intersection with Agery Road has give way, sight lines sufficient to north, insufficient to south due to vegetation and horizontal curve, needs trimming, radii insufficient will cross centreline	8 - Pavement	\$705,000
4.743	Sunnyvale Rd	Adams Rd	Kalkabury School Rd	2,691	P4	Has priority at Adams Road, 7.6m carriageway, pavement good but lots of pot holes, some trees within 3m clear zone, straight alignment minor vertical curves, some vegetation encroaching onto pavement, has priority at Kalkabury School Road	4 - Minor Intersection Upgrade	\$150,000
4.751	Sunnyvale Rd	Schilling Rd	Adams Rd	2,511	P2	Intersection with Upper Yorke Road has give way, central island which should be removed, sight lines sufficient, radii insufficient for some movements due to island, some drainage issues, 7m carriageway, trees up to edge of pavement, widens to 8m, straight alignment minor vertical, pavement has some pot holes, has priority at Adams Road	4 - Minor Intersection Upgrade	\$150,000
25.231	Swincer Rd (Minlaton)	Yorke Hwy	Fuller Rd	621	P1	<b>Junction with Fuller Road has give way, sight lines to north sufficient, to south insufficient (photo) due to vegetation and vertical crest, major issue, radii insufficient, will use full width, 7.6m carriageway, lots of houses, pavement poor, vegetation up to edge and branches encroaching, some trees within 3m clear zone, no give way at Yorke Highway intersection, needs one, sight lines sufficient, radii sufficient</b>	6 - Sight Distance and Junction Widening	\$50,000
4.695	Tea Tree Glen Rd	Rocky Bend Rd	Nalyappa Rd	2,577	P1	Has priority at Rocky Bend Road, 4.6m carriageway, pavement good condition, minor crests with minor sight line issues, vegetation up to edge, straight alignment, some trees in clear zone, widens to 6m, Y-junction with Ferguson Road, sight lines sufficient but poor observation angle, radii insufficient for some movements, intersection with Nalyappa Road has give way, sight lines sufficient, radii insufficient will cross centreline	3 - Major Intersection Upgrade	\$250,000
4.593	The Gunbarrel Rd	Didyamuka Rd	Mount Rat Rd	1,156	P2	Junction with Mount Rat Road has hazard board, sight line sufficient to east, insufficient to west due to vegetation, radii insufficient will cross centreline but open, 6m carriageway, pavement very poor with major pot holes, trees up to edge, vegetation encroaching, widens to 7m, straight and fat, intersection with Didyamuka Road has give way, sight lines sufficient can be improved to west with vegetation trimming, radii insufficient, use full width	8 - Pavement	\$235,000
4.686	The Gunbarrel Rd	Yorke Hwy	Spicer Rd	3,528	P2	Intersection with Spicer Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7.8m carriageway, straight alignment with minor vertical, pavement generally good but some sections corrugated and some isolated poor patches, trees within 3m clear zone and up to edge, narrows 6-7m carriageway, hazard board at junction with Lime Kiln Road, sight lines insufficient to west along Lime Kiln Road due to vegetation, radii sufficient	6 - Sight Distance and Junction Widening	\$50,000
4.697	The Gunbarrel Rd	Spicer Rd	Butler Rd	3,749	P3	Intersection with Butler Road has give way, sight lines sufficient but can be improved with vegetation trimming, radii insufficient will use full width, 7m carriageway, vegetation up to edge, pavement generally good some minor corrugations and a few very bad sections with drainage issues and major depressions, intersection with Spicer Road has give way, sight lines sufficient, radii insufficient will use full width but open	6 - Sight Distance and Junction Widening	\$50,000
9.347	The Gunbarrel Rd	Butler Rd	Didyamuka Rd	3,236	P3	Intersection with Didyamuka Road has give way, sight lines sufficient, radii insufficient will use full width, 7.4m carriageway, some trees within 3m clear zone, flat and straight, pavement good quality, intersection with Butler Road has give way, sight lines sufficient, radii insufficient will use full width but reasonable	6 - Sight Distance and Junction Widening	\$50,000
4.671	Thiepvalle Rd	Lizard Park Dr	Spencer Hwy	2,638	P3	Intersection with Spencer Highway has give way, sight lines sufficient, radii insufficient will use full width, underground drainage may impact left in, 7m carriageway, pavement good condition, trees generally outside 3m clear zone, some branches and vegetation up to edge, straight alignment with minor vertical, generally clear zone is good, has priority at Lizard Park Drive	6 - Sight Distance and Junction Widening	\$50,000
4.694	Thiepvalle Rd	Port Victoria Rd	Lizard Park Dr	2,490	P3	Has priority at Lizard Park Drive, 7m carriageway, pavement good condition, trees within 3m clear zone, vegetation up to edge and encroaching, alignment fine, intersection with Port Victoria Road has give ways, sight lines are sufficient but observation angle poor due to poor angle, should be squared up, radii insufficient for left in and right out due to angle needs to be banned, other movement fine, has left slip lane and large central grassed island with stobie pole in it, slip lane should be removed	6 - Sight Distance and Junction Widening	\$50,000
4.563	Thomas Rd	Clinton Rd	2.2km S of Clinton Rd	2,199	P3	Intersection with Clinton Road has give ways, six ways, sight lines along Clinton Road sufficient, not to other roads, radii insufficient will need full width, 7m carriageway, trees within 3m clear zone, some branches encroaching onto pavement, straight alignment, pavement generally good	6 - Sight Distance and Junction Widening	\$50,000
4.564	Thomas Rd	2.2km S of Clinton Rd	Gillis Rd	2,248	P4	7.6m carriageway, minor vertical curve with minor sight line issues, and another which is similar, trees within 3m clear zone, some branches encroaching onto pavement, has priority at Gillis Road	2 - Alignment and Signage	\$150,000
4.588	Thomas Rd	Androssan Rd	Clinton Rd	3,819	P2	Intersection with Androssan Road has give ways, sight lines sufficient, poor observation angle, radii insufficient for some movements will use full width due to angles, 7.8m carriageway, pavement good with some soft patches will lead to pot holes, some trees within 3m clear zone, some poor sections of pavement, alignment is good, intersection with Clinton Road has give ways, six way intersection, sight lines along Clinton Road insufficient due to vegetation and horizontal curve, radii insufficient due to angles	8 - Pavement	\$350,000
4.588	Thomas Rd	Old Boundary Rd	Androssan Rd	1,738	P2	Has priority at Old Boundary Road, 6.7m carriageway, some grass growing on edges of pavement, pavement poor with lots of pot holes, trees within 3m clear zone, alignment fine, intersection with Androssan Road has give ways, angle is poor, needs to be squared up, sight lines sufficient but poor observation angle, radii insufficient for some movements due to poor angles will cross full width	8 - Pavement	\$350,000
4.655	Thomson Rd	Upper Yorke Rd	Weetulla Rd	1,136	P2	Intersection with Weetulla Road has give way, sight lines sufficient, radii insufficient will cross centreline, 6m carriageway, pavement fine, vegetation and trees up to edge, Y-junction with Upper Yorke Road partially squared up with sealed throat, sight line sufficient, observation angle still poor, no give way or hazard board, radii insufficient	3 - Major Intersection Upgrade	\$500,000
4.566	Thomson Rd	Weetulla Rd	Pipeline Rd	2,532	P3	Intersection with Pipeline Road has give way, sight lines sufficient but poor observation angle due to intersection angle, radii insufficient will need full width, 6m carriageway, clear zone good, horizontal curve fine, some trees within 3m clear zone, widens to 7m, light horizontal curve through Kalkabury Road intersection with minor sight line issues due to vegetation, has priority, intersection with Weetulla Road has give way, sight lines sufficient, radii insufficient will cross centreline	3 - Major Intersection Upgrade	\$500,000
4.567	Thomson Rd	Pipeline Rd	2.5km NW of Pipe Line Rd	2,499	P3	7m carriageway, pavement good condition, trees within 3m clear zone, alignment is fine, intersection with Pipeline Road has give way, poor angle, sight lines sufficient, but observation angle poor, radii insufficient due to angles	6 - Sight Distance and Junction Widening	\$50,000
4.636	Thomson Rd	2.5km NW of Pipe Line Rd	Lakes Rd	2,375	P1	Junction with Lakes Road has hazard board on one leg, large central island with two legs, major sight line issues to south due to vegetation and horizontal curve, sight lines sufficient to north, radii insufficient due to island, (photo), pavement good condition, 6.7m carriageway, horizontal curves but well set up, trees within 3m clear zone	4 - Minor Intersection Upgrade	\$150,000
9.352	Tiddy Widdy Beach Rd	Angus Rd	2.9km NE of Angus Rd	2,932	P4	7m carriageway, vegetation up to edge at start but then becomes open, clear zone good, pavement good condition, some minor horizontal curves sight line sufficient	4 - Minor Intersection Upgrade	\$150,000
37.749	Tiddy Widdy Beach Rd	2.9km NE of Angus Rd	Black Swamp Rd	2,965	P4	6-7m carriageway, pavement good condition, alignment fine, clear zone good, has priority at Black Swamp Road intersection	4 - Minor Intersection Upgrade	\$150,000
4.675	Tibrook Rd	Yorke Hwy	Cockle Beach Rd	3,292	P3	Intersection with Cockle Beach Road has give way, sight lines sufficient, radii insufficient, will use full width, 6-7m carriageway, vegetation up to pavement edge, trees within 3m clear zone, pavement good condition, alignment fine, intersection with Yorke Highway has give ways, sight lines sufficient along Yorke Highway, radii sufficient	6 - Sight Distance and Junction Widening	\$50,000
4.673	Tiparra Church Rd	Old Boundary Rd	Nalyappa Rd	3,217	P1	Intersection with Old Boundary Road has give way, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, pavement poor in sections, straight and generally fat, some vegetation up to edge, junction with Nalyappa Road has give way, Y-junction, sight lines insufficient to north due to vertical alignment and vegetation, sufficient to south, radii insufficient due to angles (photo) needs to be squared up	3 - Major Intersection Upgrade	\$250,000
4.690	Tiparra Springs Rd	Nalyappa Rd	Coast	4,316	P1	Intersection with Nalyappa Road has give way, sight lines insufficient to south, due to vegetation and horizontal curve, major issues, sufficient to north, radii insufficient will use full width, 5m carriageway, pavement poor with major corrugations, straight alignment with minor crest with minor sight line issues, 4m wide in sections, pavement better, opens to dead end, trees in 3m clear zone	5 - Carriageway Widths	\$435,000
4.668	Tomney Rd	Rickaby Rd	McConkey Rd	3,158	P2	Junction with Rickaby Road has give way and hazard board, sight lines sufficient, can be improved to south with vegetation removal, radii insufficient will cross centreline, 6.7m carriageway, narrows to 5m due to vegetation growing on pavement, clear zone generally good, straight and fat alignment, pavement good, T-junction warning sign on approach, no give way or no hazard board, sight lines to north insufficient, due to vegetation, sufficient to south, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
4.669	Treasure Rd	Minlacowie Rd	Yorke Hwy	2,678	P2	Junction with Yorke Highway has give way, sight lines sufficient 80 kmh zone, very wide radii sufficient, left out will cross centreline, 9m seal in town then narrows no line marking, 8m unsealed carriageway, straight alignment, minor crest, pavement corrugated, some pot holes, width varies 7-8m, intersection with Minlacowie Road has give way, sight lines sufficient to west, insufficient to east due to vegetation and angle, radii insufficient will need full width	6 - Sight Distance and Junction Widening	\$50,000
4.735	Treloar Rd	Minlaton Rd	Ford Rd	1,189	P3	Junction with Minlaton Road needs hazard board, sight lines sufficient, radii insufficient will cross centreline, 7m carriageway, width varies, pavement poor with pot holes and corrugations, trees along edge, branches encroaching onto pavement, light alignment, has priority at Ford Road	6 - Sight Distance and Junction Widening	\$50,000
4.745	Treloar Rd	Ford Rd	Bowden Rd	3,693	P3	Has priority at Ford Road, 6m carriageway, trees generally outside 3m clear zone, vegetation up to edge and encroaching, pavement some corrugations, light alignment with horizontal curves, minor sight line issues, widens to 7m, vegetation encroaching onto pavement some pot holes, intersection with Bowden Road has give ways, sight lines sufficient but sight, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
4.746	Trig Rd	Weavers North Rd	Roberts Hwy	2,845	P1	Junction with Weavers North Road has hazard board installed, sight lines sufficient, radii insufficient will use full width, carriageway 3-4m due to vegetation growing on pavement, some trees within 3m clear zone, straight alignment with vertical curves, sight lines generally good, pavement reasonable but cant get off if someone comes other way, widens to 6-7m at western end, junction with Roberts Highway needs hazard board, sight lines insufficient to south due to vertical curve, radii insufficient will use full width	5 - Carriageway Widths	\$285,000
25.228	Tubs Lake Rd (Yorketown)	Stansbury Rd	End of Sheeling	3,271	P3	Intersection with Stansbury Rd - No signage (add - important location), sight lines sufficient, radius insufficient, vehicle will use full road width. Mid-block - 6m pavement width closer to Stansbury Rd, some grass growth in pavement at edge, some isolated trees within 3m clear zone. 90 degree horizontal curve with no delineation or pavement widening, sight lines sufficient from truck cab height. Eastern end after bend the pavement narrows to 3m, grass in centre of pavement, pavement surface worsens at this end (potholes and undulations), much more of a track past the bend, but straight alignment, good sight.	6 - Sight Distance and Junction Widening	\$50,000
4.631	Tuckocowee Rd	South Coast Rd	Cartwright Rd	2,062	P3	Intersection with South Coast Road - Has give way sign and advance warning sign, sight lines sufficient, radius insufficient, vehicle will cross centre line. Mid-block - Sharp turn - has signage, insufficient sight lines. 8m pavement width, pavement surface good, trees within 3m clear zone. Horizontal curves at northern end with no delineation or curve widening, limited sight lines. Intersection with Cartwright Rd - Tuckocowee Rd has priority, crossroad warning sign present.	6 - Sight Distance and Junction Widening	\$50,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.641	Tuckooware Rd	Cartwright Rd	Gum Tree Rd	2,523	P4	Intersection with Cartwright Rd - Tuckooware Rd has priority, crossroad warning sign present. Mid-block - 8m pavement width, pavement surface good, some isolated trees within 3m clear zone. Crest with insufficient sight lines. Within segment intersection with Old Saltworks Rd - Tuckooware Rd has priority. Intersection with Gum Tree Rd - Tuckooware Rd has priority, has crossroad warning sign. Intersection with Gum Tree Rd - Tuckooware Rd has priority, has crossroad warning sign.		
4.642	Tuckooware Rd	Gum Tree Rd	Orrie Cowie Rd	3,210	P4	Intersection with Gum Tree Rd - Tuckooware Rd has priority, has crossroad warning sign. Mid-block - 8m pavement width, pavement surface average, some potholing, corrugation and uneven exposed rock, some minor horizontal and vertical curves with no delineation or curve widening, sight lines sufficient. Some isolated trees within 3m clear zone. Within segment intersection with Moldarby Rd - Tuckooware Rd has priority. Intersection with Orrie Cowie Rd - Tuckooware Rd has priority.		
4.643	Tuckooware Rd	Orrie Cowie Rd	St Vincent Hwy	2,624	P3	Intersection with Orrie Cowie Rd - Tuckooware Rd has priority. Mid-block - 7 to 8m pavement width, pavement surface ok, some loose gravel and minor corrugation. Within segment intersection with Barrett Rd - Has give way signs, sight lines sufficient both directions, vehicle will use full pavement width. Horizontal curve with narrowed pavement width (6.5m) at northern end, sight lines sufficient. Some stobies at northern end, outside 3m clear zone. Intersection with St Vincent Hwy - Has give way sign, Sight lines sufficient, poor observation angle due to intersection geometry. Radius insufficient, vehicle will cross centre line, left slip lane created, vehicle will track off of pavement if not used.		
4.644	Tuckooware Rd	St Vincent Hwy	Moorooe Station Rd	3,299	P3	Intersection with Moorooe Station Rd - Has T-junction sign and hazard board (no give way sign, hazard board too low, partially covered by long grasses), sight lines sufficient, limited to right due to veg and horizontal curve but should be sufficient from truck cab height. Radius insufficient, vehicle will cross centre line. Mid-block - 7 to 8m pavement width, pavement surface good, some grass growing in pavement edges, a horizontal curve with sufficient sight lines. Intersection with St Vincent Hwy - Has give way sign, sight lines sufficient, radius insufficient, vehicle will use full pavement width.		
4.645	Turville Park Rd (Stansbury)	St Vincent Hwy	Miniaton Rd	3,829	P2	Intersection with St Vincent Hwy - Poor int angle, has give way sign. Sight distances are sufficient. Due to poor angle, left turn our radius is insufficient. Other radius are fine. Intersection should be squared up to highway. Mid block South of Weavers - 6m width, pavement good - straight and flat, clear zone generally good, some trees within 3m. North of Weavers - Pavement width 5m. Pavement good. Some trees in 3m clear zone. North of Culline Rd - 5m width, pavement good, some trees within 3m clear zone. Give way within segment at Weavers Road int - give way signs present - for both directions sight lines sufficient, radius insufficient - will cross the centreline - crossroad intersection. Sight could be improved with vegetation trimming. To the north full road width will be used for turn. Give way within segment at Culline Road int. No give way sign on south approach, give way sign present on north approach. Sight lines good, radius insufficient - using close to full pavement width - both approaches. Intersection with Miniaton Road - has give way sign. Sight lines are good. Radius good, but angle not great for left-in, and vegetation on inside. Should have sufficient width.	6 - Sight Distance and Junction Widening	\$50,000
4.668	Twartz Rd	Yorke Hwy	Beebodye Wells Rd	3,419	P1	Intersection with Yorke highway has give way well set back, large sealed apron, radii sufficient, sight lines sufficient north, insufficient south due to vertical curve, first 200m narrow seal past houses, then widens to 7m unsealed carriageway, clear zone good, pavement good but corrugated, some trees in 3m clear zone further west, alignment good. Junction with Beebodye Well Road has hazard board, appears to have priority but should have give way, sight lines sufficient, radii insufficient will need full width for left out.	1 - Signage	\$1,000
4.662	Twelve Mile Rd	Powerline Rd	3km W of Power Line Rd	3,000	P4	7m carriageway, straight with some vertical curves, trees within 3m clear zone, vegetation up to edge, pavement is in good condition, has priority at Powerline Road.		
4.670	Twelve Mile Rd	2.4km W of St Vincent Hwy	Powerline Rd	3,633	P4	Has priority at Powerline Road intersection, straight alignment with minor vertical which has sufficient sight lines, trees within 3m clear zone, vegetation up to edge, pavement good condition.		
4.678	Twelve Mile Rd	2.4km W of St Vincent Hwy	St Vincent Hwy	2,404	P4	7m carriageway, pavement condition good, straight alignment with minor vertical which is fine, widens to 8m, trees and vegetation with 3m clear zone, junction with St Vincent Highway has hazard board, sight lines sufficient, radii sufficient.		
4.788	Twelve Mile Rd	3km W of Power Line Rd	Yorke Hwy	1,901	P2	Intersection with Yorke Highway has give way, also another side road which makes priority confusing, needs to be upgraded, sight lines sufficient, radii sufficient, left in may cross centreline, 7m carriageway, trees within 3m clear zone, vegetation up to edge, straight alignment with vertical curves but sight lines sufficient.	2 - Alignment and Signage	\$150,000
4.670	Ulonga Rd (Price)	Falloe Dr	Old Boundary Rd	2,470	P1	Has priority at Old Boundary Road, 4-5m carriageway, straight and flat, pavement fine, into town, intersection with Gardiner Road has give ways, sight lines sufficient, radii insufficient would need full width, 5m carriageway, trees up to edge of pavement, pavement poor, intersection with Reliance Rd has give ways, sufficient sight lines, radii insufficient turning movements not possible, pavement poor condition, footway is deep, intersection with One and All Rd has give ways, sight lines sufficient once at junction, radii insufficient will leave pavement likely, road becomes one lane track with grass down middle, 3m wide poor alignment, trees up to edge, junction with Falloe Dr sight lines sufficient radii insufficient, some sections maybe ok but not whole length.	8 - Pavement	\$495,000
4.671	Ulonga Rd (Wood Bay)	Kooraka Rd	Coringie Rd	1,369	P3	Junction with Kooraka Road, no give way or hazard board, has got advanced warning sign, sight lines sufficient, radii insufficient for some moves, cant be done on pavement, 6-7m carriageway, some grass growing on edge of pavement, trees within 3m clear zone, branches encroaching, pavement good quality, intersection with Green Flat Road has give ways, sight lines from southern side insufficient to west due to vegetation, east sufficient, radii insufficient will need full width, sight lines from northern side sufficient, radii insufficient, will need full road width, 7m carriageway, trees within clear zone, junction with Coringie Road has advanced warning sign, no hazard board, sight lines sufficient, radii insufficient will cross centreline but reasonable.		
26.328	Unnamed Road 0936	Schilling Rd	Holman Rd	2,023	P1	Intersection with Schilling Road has give way, sight lines along Schilling Rd sufficient, radii insufficient on road too narrow, may not be able to complete some movements on pavement, 5-6m carriageway, trees within 3m clear zone, pavement poor condition, some grass on edges of pavement and down middle, alignment fine, junction with Holman Road needs hazard board, sight lines sufficient, radii insufficient left out may not be possible, other movements use full width.	8 - Pavement	\$405,000
4.677	Vinecombe Rd	St Vincent Hwy	Twelve Mile Rd	1,028	P1	Junction with Twelve Mile Road has give way, V-junction, sight lines to east insufficient, poor observation angle, radii insufficient for some movements due to angle, 6-7m carriageway, light horizontal alignment with light curves with major sight line issues due to vegetation, grass growing on edges of pavement, vegetation up to edge, intersection with St Vincent Highway has give way, sight lines sufficient, radii insufficient, too narrow for some movements.	3 - Major Intersection Upgrade	\$250,000
4.678	Walyalia Rd	Kainton Rd	Bridge Rd	1,746	P2	Has priority at Bridge Road, trees along edge of road, pavement good condition, 7m unsealed carriageway, straight alignment, minor vertical curve, intersection with Kainton Road has give way, five ways, alignment really poor and observation angles tight due to angles at intersection, some movements impossible due to angles, sight lines sufficient but poor angles.	2 - Alignment and Signage	\$150,000
4.789	Walyalia Rd	Bridge Rd	Melton South Rd	2,665	P3	Intersection with Melton South Road has give way, sight lines to south poor due to road angle, need to move into intersection, north sufficient, radii insufficient for some movements, 6-7m wide carriageway, trees within 3m clear zone, straight alignment with some vertical, has priority at Bridge Road.		
4.790	Walyalia Rd	Melton South Rd	Yararoo Rd	3,987	P2	Intersection with Yararoo Road has priority, 6m carriageway, pavement good, some minor trees within 3m clear zone, alignment fine large horizontal curve, pavement generally good but some large pot holes, lots of trees within 3m clear zone, some branches encroaching, widens to 7m, intersection with Melton South Road has give way, sight lines sufficient at intersection, radii insufficient for some movements but can see enough into side road to know if clear.	6 - Sight Distance and Junction Widening	\$50,000
25.234	Wapper Rd	Rickaby Rd	Coast	2,640	P1	Intersection with Rickaby Road has no give way, needs give way, sight lines sufficient, can be improved to south with vegetation trimming, radii insufficient due to narrow width, 3m carriageway with grass down middle, vegetation up to edge and encroaching (photo), pavement poor, has exposed rock, large pot holes, sandy sections, trees within 3m clear zone, junction with Crosser Road has insufficient sight lines, radii insufficient, no hazard board.	6 - Sight Distance and Junction Widening	\$50,000
25.229	Wardang Road	Port Victoria Road	Davies Terrace	2,339	P3	Intersection with Port Victoria Road has give way, sight lines sufficient, radii sufficient, however have to turn onto Bookyanna Road first which is sealed but has give way however no give way on Wardang Road so very confusing, need to improve and make clear, sight lines sufficient but radii insufficient for some movements, pavement 6m wide, poor condition with some rutting, clear zone good but some bushes encroaching onto pavement, pavement poor, width varies to 6m, dead end basically at beach.		
4.787	Watson Beach Rd	Carbery Rd	Mount Terrible Rd	2,238	P2	Intersection with Mount Terrible Road has give way, sight lines insufficient, vegetation trimming would improve, radii insufficient will need full road width, 6-7m carriageway, pavement heavily corrugated, vegetation up to edge, trees within 3m clear zone, straight alignment with minor vertical, advanced intersection warning sign, intersection has priority on a very tight horizontal curve.	6 - Sight Distance and Junction Widening	\$50,000
4.795	Watson Beach Rd	Cemetery Rd	Carbery Rd	3,596	P3	Has priority at Carbery Road intersection, very tight horizontal curve, major sight line issues, 6-7m carriageway, vegetation up to edge, clear zone generally good some isolated trees within 3m only, pavement poor in sections, alignment is poor in sections sight lines are tight, has priority at Cemetery Road.		
4.681	Wauraltee Beach Rd	Wauraltee Rd	Conservation Dr	4,125	P3	Intersection with Wauraltee Road has give way, sight lines sufficient, radii insufficient will cross centreline for some movements, 7-8m carriageway, pavement good but corrugated, vegetation encroaching onto pavement, some trees within 3m clear zone, straight and flat, seems to have priority at Conservation Drive but not clear, needs give ways on side roads.		
4.719	Wayside Rd	Kainton Rd	Melton South Rd	1,753	P1	Junction with Melton South Road has give way, sight lines sufficient, radii insufficient can use full width, trees within 3m clear zones on both sides, 5m unsealed carriageway, has give ways at Bridge Road intersection, major sight line issues, radii insufficient for some movements, will need full width, intersection with Kainton Road has give way, sight lines sufficient, radii insufficient cant do some movements.	6 - Sight Distance and Junction Widening	\$50,000
4.720	Wayside Rd	Melton South Rd	Yararoo Rd	4,212	P2	Junction with Yararoo Road has give way, no hazard board, sight lines sufficient, radii insufficient, will need full width, 5m unsealed, minor grass down middle, trees on both sides within 3m clear zone, minor alignment issues, pavement varies between 4m and 6m wide, pavement fine, intersection with Melton South Road has give way, sight lines tight due to vegetation, radii sufficient may cross centreline for some movements.	6 - Sight Distance and Junction Widening	\$50,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.721	Weavers Hill Rd	Stansbury Rd	Green Flat Rd	1,145	P3	Intersection with Green Flat Rd - Weavers Hill has priority, has crossroad intersection warning sign. Mid-block - Pavement width 7m, pavement surface good, some minor pot holes at north end and some grasses growing through pavement edge. Straight and flat alignment. Intersection with Stansbury Rd - Has give way sign, acute intersection angle. Sight lines sufficient, although limited to the best due to horizontal curve and vegetation (consider trimming), bad observation angle due to intersection geometry. Radius insufficient, light for right in / left out turns due to intersection angle, will require full pavement width.		
4.798	Weavers Hill Rd	Green Flat Rd	Olive Tree Rd	2,890	P4	Intersection with Olive Tree Rd - Weavers Hill Rd has priority, has crossroad intersection warning sign. Mid-block - 6 to 7m pavement width. Pavement surface ok, some damage at northern end due to drainage (no crowning of road). Crest at southern end with limited sight distance through. Intersection with Green Flat Rd - Weavers Hill has priority, has crossroad intersection warning sign.		
4.799	Weavers Hill Rd	Olive Tree Rd	Weavers Rd	3,530	P3	Intersection with Weavers Rd - Has give way sign, 6 leg intersection, unclear priority between 2 minor legs and poor observation angles. Sight lines sufficient, radius insufficient for left/right turns to adjacent minor road Corling Rd, other turning movements sufficient. Mid-block - 7 to 8m pavement width, pavement surface good, some horizontal curves without delineation, sight lines good. Some stobie poles at edge of or outside 3m clear zone. Isolated trees within 3m clear zone, some weeds growing within pavement at edge.		
4.722	Weetulla Tank Rd	Agery Hill Rd	Bull Ant Rd	3,369	P2	Intersection with Olive Tree Rd - Weavers Hill Rd has priority. Has priority at Agery Hill Road, 6.7m carriageway, trees typically 3m back, some vegetation up to edge, pavement poor condition, straight alignment initially with lots of small vertical curves/crests, minor sight line issues only, horizontal alignment becomes tight with many curves some with major sight line issues and no widening, pavement corrugated and lots of pot holes, junction with Bull Ant Road has priority	8 - Pavement	\$680,000
4.723	Weetulla Tank Rd	Bull Ant Rd	Pipeline Rd	4,122	P2	Has priority at Bull Ant Road, 7m carriageway, trees within 3m clear zone, light alignment at northern end minor sight line issues, pavement poor condition, major sight line issues over some crests, intersection with Pipeline Road has give way, however both roads just lead straight into Spencer Highway junction and priority unclear, observation angle really poor to Pipeline Road, radii insufficient onto Pipeline Road for some movements	8 - Pavement	\$825,000
4.771	Weetulla Tank Rd	Cadd Rd	Agery Hill Rd	2,914	P3	Has priority at Cadd Road, 7m carriageway, straight alignment with minor crests, minor sight line issues, vegetation up to edge and encroaching, some trees within 3m clear zone, pavement had pot holes, narrows to 6m, some cuttings over crests, has priority at Agery Hill Road		
4.784	Weetulla Tank Rd	Arthurton Rd	Cadd Rd	2,923	P2	Intersection with Arthurton Road has give ways, six ways, sight lines along Arthurton Road are sufficient, other legs insufficient due to angles, radii insufficient due to angle, 6m carriageway, trees within 3m clear zone, road width narrows and then back to 7m, straight alignment with crests minor sight line issues, pavement corrugated and pot holes, has priority at Cadd Road	2 - Alignment and Signage	\$150,000
4.725	West Beach Rd	Marion Bay Rd	Lighthouse Rd	2,242	P2	Junction with Lighthouse Road has give way and hazard board, sight lines sufficient, radii insufficient will use full width, 7m carriageway, pavement good condition, vegetation up to edge trees within 3m clear zone, straight alignment with minor vertical, junction with Marion Bay Road has sealed throat, give way and hazard board, sight lines insufficient to south due to horizontal curve, sufficient to north, radii insufficient will cross centreline	6 - Sight Distance and Junction Widening	\$50,000
25.235	West Beach Rd	Corn Point Rd	Marion Bay Rd	3,805	P1	(Photo) road reserve with gates, other end is a 300m section behind houses, 3m wide, vegetation up to edge, pavement reasonable, straight and flat, leads to dead end, junction with Corn Point Road has give way, sight lines sufficient, radii insufficient poor angle	5 - Carriageway Widths	\$385,000
25.236	West Coast Rd	Gleasons Rd	Daly Head Rd	2,979	P3	Junction with Daly Head Road has give way and hazard board, sight lines are sufficient, radii insufficient will cross centreline but open, 6-7m carriageway, pavement badly corrugated, vegetation trimmed but still some trees within 3m clear zone, 5-6m carriageway, crest with minor sight line issues, some horizontal curves with minor sight line issues, pavement needs to be graded, junction with Gleasons Road has give way and hazard board, sight lines sufficient, radii insufficient will use full width		
25.237	West Cowie Rd	Corn Point Rd	Brutus Rd	3,447	P3	Intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will need full width, poor angles, poor approach sight distance to intersection due to crest advanced warning sign, 7m carriageway, clear zone is good, straight alignment with minor vertical curves with minor sight line issues, pavement very poor in sections with major pot holes, width varies, junction with Corn Point Road has give way and hazard board, sight lines sufficient, radii insufficient may just cross centreline		
25.238	West Cowie Rd	Brutus Rd	North Coast Rd	1,080	P1	Junction with North Coast Road has give way and hazard board, sight lines sufficient, radii insufficient will use full width, 6m carriageway, pavement reasonable, clear zone generally good, junction with Diagonal Road has very short approach sight distance to the give way over a crest, Y-junction, major sight line issues to west, east sufficient, radii insufficient for some movements, right out and left in cant be completed, (Photo), intersection with Brutus Road has give way, sight lines sufficient, radii insufficient will need full width	3 - Major Intersection Upgrade	\$250,000
7.641	West Toe (Curramulka)	Quarry Rd	Main St	285	P4	Intersection with Main Street has give way, sight lines sufficient, radii sufficient, 7m seal with no line marking, 1.5m unsealed shoulders, guide posts		
7.933	West Toe (Curramulka)	Main St	North Toe	269	P3	7m seal with 1m unsealed shoulders, has centreline, 3m clear zone has some trees within it, pavement condition fine, intersection with Main Street has give way, sight lines sufficient, radii insufficient will cross West Terrace centreline		
5.146	West Toe (Maitland)	North Toe	South Toe	1,784	P2	Intersection with South Terrace has give way, sight lines sufficient, radii insufficient will use full width, 7m carriageway, width varies, straight alignment, pavement poor condition, trees generally outside 3m clear zone, has give way at Elizabeth Street, sight lines insufficient to west from southern side as drivers may be concerned by tall grass and not being able to see road, likely they will see vehicles, others sufficient, radii insufficient will need full width, width varies from 6m to very wide, pavement has large pot holes, clear zone has large pile of rubble in it, road becomes very wide, straight, junction with North Terrace has no give way or hazard board, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$360,000
4.717	Westbrook Rd	Melton South Rd	Reservoir Rd	3,628	P3	Intersection with Reservoir Road has give ways, sight lines sufficient, radii insufficient, can use full width, 6m unsealed carriageway, trees along edge, vegetation encroaching onto pavement, straight alignment, minor vertical curves, pavement fine, intersection with Melton South Road has give way, sight lines sufficient at intersection, radii insufficient will cross centre line		
25.239	Where Rd	Back Rd	Piggery Corner Rd	3,644	P3	Intersection with Back Road has give ways, sight lines sufficient, radii insufficient left turn not possible, 6m carriageway, vegetation up to edge, road widens to 7m carriageway, pavement good condition, straight alignment with several minor crests, only minor sight line issues, pavement good, minor grass on edges of pavement, has priority at Piggery Corner Road		
4.783	Whittaker Rd	Standpipe Rd	Androssan Rd	2,545	P3	Junction with Androssan Road has no give way and no hazard board, sealed throat and squared up well, sight lines sufficient, radii insufficient for some movements and may cross centreline, 6.7m carriageway, pavement good condition, road cut down, some trees within 3m clear zone, horizontal curves with minor sight line issues, 7m carriageway, intersection with Standpipe Road has give way, sight lines sufficient, radii insufficient will cross full width		
4.718	Wild Dog Hill Rd	Balaklava Rd	Murdock Rd	3,181	P4	Has priority at Balaklava Road intersection, vegetation up to edge, trees within 3m clear zone, 7m carriageway, pavement good, straight alignment with minor vertical curves minor sight line issues, some vegetation encroaching, has priority at Murdock Road		
4.750	Wild Dog Hill Rd	2.3km S of Murdock Rd	McKenzie Rd	2,327	P2	7.8m carriageway, poor alignment with major sight line issues around curves, pavement poor condition very sandy, vegetation up to edge, has priority at McKenzie Road junction	8 - Pavement	\$470,000
4.784	Wild Dog Hill Rd	Yorke Hwy	Balaklava Rd	1,460	P1	Junction with Yorke Highway is a Y junction, has give way, sight lines insufficient, poor observation angle, radii insufficient for some movements, (photo), needs to be squared up and improved, major horizontal curve on Yorke Highway, 7m carriageway, has priority at Barrett Road, clear zone good at start, pavement good condition, straight alignment with some minor vertical curves have minor sight line issues, pile of rubble within clear zone on western side of road, has priority at Balaklava Road intersection	3 - Major Intersection Upgrade	\$600,000
4.803	Wild Dog Hill Rd	Murdock Rd	2.3km S of Murdock Rd	2,301	P2	Has priority at Murdock Road, 7.8m carriageway, pavement poor as has a lot of sand on surface, vegetation up to edge some trees within 3m clear zone, poor alignment with very light horizontal curves with major sight line issues due to vegetation,	8 - Pavement	\$465,000
25.240	Wild Dog Hill Rd	Coonarie East Rd	South Coast Rd	2,271	P3	7m carriageway, vegetation up to edge, pavement poor with lots of sand on surface, poor alignment with minor sight line issues, junction with South Coast Road needs hazard board or give ways, sight lines insufficient due to horizontal curve, radii sufficient		
25.244	Wild Dog Hill Rd	McKenzie Rd	2.8km S of McKenzie Rd (T Junction Unnamed Rd)	2,854	P2	6m carriageway, pavement average, vegetation up to edge, poor alignment with minor sight line issues around some horizontal curves, pavement poor very sandy, width varies becomes wider in sections, has priority	8 - Pavement	\$575,000
25.245	Wild Dog Hill Rd	2.8km S of McKenzie Rd (T Junction Unnamed Rd)	Coonarie East Rd	2,239	P3	7m carriageway, pavement average with some sandy sections, alignment still poor but sight lines reasonable with only some minor issues, vegetation up to edge, narrows to 6m in section, has priority		
4.727	Williamson Rd	Upper Yorke Rd	Loveridge Rd	2,414	P3	Intersection with Loveridge Road has give way, sight lines sufficient, radii insufficient can use full width, 6-7m carriageway, some grass on pavement edges, trees within 3m clear zone, pavement good condition, intersection with Upper Yorke Road has give way, sight lines sufficient, radii insufficient for some movements due to angle, can cross centreline		
4.728	Williamson Rd	Loveridge Rd	2.4km E of Loveridge Rd	2,402	P3	7m carriageway, trees within 3m clear zone, pavement good condition, straight alignment, narrows to 6m wide, intersection with Loveridge Road has give ways, sight lines sufficient, vegetation trimming would improve, radii insufficient but can use full width		
4.729	Williamson Rd	Reservoir Rd	Reservoir Rd	2,427	P3	Intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient but can use full width, 7m carriageway, trees within 3m clear zone, bushes up to edge and encroaching, pavement good quality,		
4.730	Williamson Rd	Reservoir Rd	Melton South Rd	3,142	P2	Intersection with Melton South Road has give way, five ways, sight lines sufficient on main roads, cant see into all due to angles, radii insufficient for some movement, 5-6m carriageway, trees up to edge, alignment has some horizontal and vertical but reasonable, pavement poor in sections, intersection with Reservoir Road has give way, sight lines sufficient, radii insufficient will use full width	2 - Alignment and Signage	\$150,000
4.775	Wilson Rd	Yorke Hwy	Honner Rd	4,255	P1	Intersection with Honner Road has give way, sight lines sufficient to west, insufficient to east due to vertical curve and vegetation, radii insufficient need full width, 6.7m carriageway, poor alignment with light horizontal curves, minor sight line issues, pavement corrugated, trees within 3m clear zone, minor crests, pavement reasonable, alignment improves, intersection with Yorke Highway (photo), has give ways, priority unclear with Cudmore Road, large central grassy island, sight lines along Yorke Highway sufficient, radii insufficient for some movements due to island, needs to be removed	4 - Minor Intersection Upgrade	\$150,000
4.776	Wilson Rd	Honner Rd	Cutline Rd	2,524	P2	Intersection with Cutline Road has give way, sight lines sufficient but tight, radii insufficient due to angle and road width for left in and right out need to ban, other movements can be completed, 6.7m carriageway, pavement very poor at southern end but improved, trees within 3m clear zone and up to edge branches encroaching onto pavement, horizontal and vertical alignment is poor with minor sight line issues, intersection with Honner Road has give way, sight lines tight but sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000

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Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
4.786	Wilson Rd	Culline Rd	Harry Butler Rd	2,200	P2	Intersection with Harry Butler Rd - Has give way sign and crossroad warning signage indicating priority (incorrect - remove sign), sight lines sufficient but poor observation angle due to intersection geometry, radius insufficient, vehicle will use full pavement width, left cut may track off of pavement. Mid-block - 4 to 7m pavement width with grass growing in pavement edges. Some minor pavement corrugation. Lots of trees within 3m clear zone with branches up to pavement edge and some into the roadway. Horizontal curve at eastern end with insufficient sight lines due to vegetation at edge of traffic lane (to remove), no delineation or curve widening, other horizontal curves with limited but sufficient sight lines. Intersection with Culline Rd - Has give way sign. Sight lines left insufficient due to branches encroaching to edge of roadway, right is sufficient. Radius insufficient, full pavement width used by vehicle, left in turn may track off pavement.	7 - Major Intersection Widening	\$100,000
4.684	Windmill Rd	2.3km SW of Black Gate Rd	Waterloo Bay Rd	2,374	P3	Mid-block - 7m pavement width, pavement surface poor, some undulation and uneven exposed rock, looks like very little pavement material present, grass growing through much of the pavement, trees within the 3m clear zone. Intersection with Waterloo Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over full pavement width.		
4.778	Windmill Rd	Black Gate Rd	2.3km SW of Black Gate Rd	2,302	P3	Intersection with Black Gate Rd - acute intersection angle. Has give way sign, sight lines sufficient but observation angle poor due to intersection geometry. Right out, left in turns will track off pavement due to sharp angle. Consider squaring intersection or banking turns. Mid-block - 8m pavement width, pavement surface ok, some undulation and uneven exposed rock, some horizontal curves without delineation or widening, sight lines sufficient. Crest with insufficient sight lines.		
25.246	Windmill Rd	Waterloo Bay Rd	Greenhill Rd	1,600	P3	Intersection with Waterloo Bay Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over full pavement width. Mid-block - 7m pavement width, pavement surface poor in some patches, evidence of water ponding and rutting, limited pavement material, trees within 3m clear zone, some grass growing through pavement edges. Crest with insufficient sight lines. Intersection with Greenhill Rd - Has give way sign, sight lines sufficient, radius insufficient, vehicle will track over full pavement width.		
4.685	Woodgee Rd	St Vincent Hwy	Mirlaton Rd	2,483	P2	Intersection with St Vincent Hwy - Has give way sign, bad intersection angle. Sight lines are sufficient, but observation angles are poor due to angle of intersection. Left turn in radius insufficient due to angle, radius on other turns is sufficient. Suggest squaring intersection to the highway. Mid block - Pavement width 6m (plus extra 1m which has vegetation growing into it), pavement is good. Minimal trees in 3m clear zone. Intersection with Mirlaton Rd - Has give way sign. 7 way intersection with highway, unclear who has priority with 3 minor roads coming into the highway. Sight lines are sufficient. Radius is sufficient (three side roads in one).	2 - Alignment and Signage	\$150,000
4.686	Woodgee Rd	Mirlaton Rd	Little Glory Rd	1,875	P3	Intersection with Mirlaton Rd - Has give way sign. Sight lines sufficient. Radius sufficient other than left in turn which will take up full pavement. Mid block - 7m width, pavement good. Clear zone good. Intersection with Little Glory Road - Has give way sign. 45 degree angle on cross-road intersection - sight lines good, observation angle poor. Radius insufficient - full pavement width used.		
4.687	Woodgee Rd	Little Glory Rd	Culline Rd	3,093	P2	Intersection with Little Glory Road - Has give way sign. 45 degree angle on cross-road intersection - sight lines good, observation angle poor. Radius insufficient - full pavement width used. Mid block - 4 to 5m pavement width. Pavement good. Some isolated trees within 3m clear zone. Southern end features more trees at edge of pavement / within 3m. Pavement width out to 5 to 6m. Tight horizontal curve (90 degree) with some vegetation blocking sight lines through, no curve widening, no delineation, truck would use full width.	7 - Major Intersection Widening	\$100,000
4.700	Wurlie Rd	2.5km W of Liddard Rd	Rockleigh Rd	2,566	P3	Intersection with Culline Road - Has give way sign, sight lines sufficient. Radius insufficient - will cross centreline and use full road width. Has priority at Rockleigh Road intersection, crest just before so poor approach sight distance. 6-7m cartway, straight alignment with lots of minor crests, some minor sight line issues, clear one generally good but some trees in 3m, pavement poor condition.		
4.708	Wurlie Rd	Point Soutter Rd	Levens Rd	3,229	P2	Intersection with Levens Road has give ways, sight lines sufficient, radii insufficient will cross centreline, 5m cartway which narrows to 3-4m, clear zone generally good but then trees start within 4 up to edge, pavement average, straight alignment with minor vertical, only minor sight line issues, junction with Point Soutter Road has give way, sight lines to north insufficient due to vegetation and vertical curve, sufficient to south, radii insufficient will use full width.	6 - Sight Distance and Junction Widening	\$50,000
4.710	Wurlie Rd	Rockleigh Rd	Marion Bay Rd	2,043	P2	Intersection with Marion Bay Road has give way, sight lines insufficient due to vertical curve, radii insufficient, has sealed throat. 6-7m cartway, vegetation trimmed back, clear zone generally good, pavement poor condition, straight alignment, has priority at Rockleigh Road intersection.	8 - Pavement	\$410,000
4.711	Wurlie Rd	Marion Bay Rd	2.7km W of Marion Bay Rd	2,701	P2	5-6m cartway, vegetation up to edge and trees within 3m clear zone, 6m cartway some grass growing on pavement edges, straight alignment with vertical curves minor sight line issues, intersection with Marion Bay Road has give way, sight lines insufficient due to vertical curve, radii insufficient will need full width.	6 - Sight Distance and Junction Widening	\$50,000
4.712	Wurlie Rd	2.7km W of Marion Bay Rd	Coast	2,783	P1	Leads to camp area, dead end basically, 3-4m cartway, pavement badly corrugated, straight alignment with some minor vertical curves sight lines sufficient, clear zone generally good, minor sight line issues over some vertical curves, widens to 5-6m, pavement needs a grade	5 - Cartway Widening	\$280,000
25.247	Wurlie Rd	Levens Rd	2.4km W of Levens Rd	2,401	P1	3m track, widens to 4m, pavement poor, straight alignment minor vertical, some trees in 3m clear zone, widens to 6m at easier end, pavement good condition, intersection with Levens Road has give way, sight lines sufficient, radii insufficient will cross centreline	8 - Pavement	\$485,000
25.248	Wurlie Rd	2.4km W of Levens Rd	Hundred Line Rd	2,380	P1	Intersection with Hundred Line Road has give way, sight lines sufficient, radii insufficient will go of pavement due to road width, 3m track with grass down middle, pavement poor, alignment poor.	8 - Pavement	\$475,000
25.249	Wurlie Rd	Hundred Line Rd	Hayes Rd	3,229	P1	Intersection with Hayes Road has give way, sight line sufficient, radii insufficient will go off pavement. 3m track with grass down middle, (photo), alignment fine but not great, pavement reasonable, clear zone generally good, grass down middle whole way, intersection with Hundred line Road has give way, sight lines sufficient to north, insufficient to south due to vegetation, radii insufficient due to road width	8 - Pavement	\$650,000
25.250	Wurlie Rd	Hayes Rd	Liddard Rd	1,525	P2	Intersection with Liddard Road has give way, sight lines sufficient, radii insufficient will cross centreline, 5m cartway, pavement average, clear zone generally good, straight alignment with minor vertical, clear zone generally good with trees back, intersection with Hayes Road has give way, sight lines insufficient to north due to vegetation and vertical curve, sufficient to south, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
25.251	Wurlie Rd	Liddard Rd	2.5km W of Liddard Rd	2,499	P3	6-7m cartway, vegetation trimmed back, pavement poor condition, crests with minor sight line issues, clear zone generally good, intersection with Liddard Road has give way, sight lines sufficient, radii sufficient		
4.770	Wynodde Rd	Pedler Rd	Stuckey Rd	1,697	P2	Intersection with Stuckey Road has give way, sight lines sufficient, radii insufficient can use full width, 6m cartway, vegetation up to edge, trees within 3m clear zone, straight alignment, crests with major sight line issues, pavement poor, junction with Pedler Road needs hazard board, sign lines sufficient, vegetation trimming would improve, radii insufficient will need full width.	8 - Pavement	\$340,000
4.780	Wynodde Rd	Stuckey Rd	2.4km S of Stuckey Rd (bend in Rd)	2,427	P2	6m cartway, trees within 3m clear zone, straight alignment, crests with major sight line issues, pavement poor, drainage issues, intersection with Stuckey Road has give way, sight lines sufficient at intersection, vegetation trimming to improve, radii insufficient will need full width	8 - Pavement	\$490,000
4.781	Wynodde Rd	2.4km S of Stuckey Rd (bend in Rd)	Wetulla Tank Rd	3,289	P2	Intersection with Wetulla Tank Road has give way, sight lines insufficient due to vertical curves, radii insufficient need full width, 7m cartway, trees within 3m clear zone up to edge, straight alignment with vertical crests, pavement poor and sandy, narrow to 6m wide, minor sight line issues, width varies, pavement poor, segment ends with 90 degree horizontal curve, can see around but narrow no widening	8 - Pavement	\$660,000
4.732	Yacca Rd	Weavers North Rd	Rogers Rd	2,848	P1	Intersection with Rogers Road has give way, sight lines sufficient, radii insufficient, some movements not possible due to narrow width on pavement, 3m track, grass down middle, widens to 4-5m cartway, vegetation up to edge and encroaching, trees within 3m clear zone, straight alignment, pavement average, cant get off road, junction with Weavers North Road has give way, no hazard board, sight lines insufficient to north due to vegetation, sufficient to south, radii insufficient will use full road width	6 - Sight Distance and Junction Widening	\$50,000
4.701	Yarano Rd	Wayside Rd	Kainton Rd	3,991	P1	Typically 7m wide, alignment poor in norther section both horizontal and vertical, minor sight line issues in several locations, trees on both side of road within 3m clear zone, alignment improves pavement good, junction with Kainton Road has large central island with trees, major sight line issues due to alignment, radii insufficient due to island, needs to be improved	4 - Minor Intersection Upgrade	\$150,000
4.709	Yarano Rd	Pootawana Rd	Dunn Rd	2,944	P4	Has priority at Pootawana Road intersection, trees within 3m clear zone, 7m wide but useable width 6m due to grass growing on pavement, pavement good minor pot holes, straight alignment, widens slightly, 4some sight horizontal curves but fine, has priority at Dunn Road		
4.724	Yarano Rd	Kellys Hill Rd	Wayside Rd	3,407	P2	Intersection with Kellys Hill Road has give way, has large central island, sight lines insufficient to north due to vertical alignment, radii insufficient for some movements, walk to Yorke' segment, 5-7m wide varies a lot, trees on edge of pavement, lots within 3m clear zone, small vertical curves with minor sight line issues, has priority at Wayside Road junction	4 - Minor Intersection Upgrade	\$150,000
4.726	Yarano Rd	Dunn Rd	Kellys Hill Rd	2,566	P3	Tight horizontal curves, sight lines sufficient, some trees in 3m clear zone, 7.5m wide cartway, pavement good quality, intersection with Kellys Hill Road has give way, sight lines sufficient, radii insufficient will need full width		
4.702	Yarano Rd	Old Railway Line	Borlace Rd	1,420	P4	Has priority at Borlace Road, 8m cartway, alignment fine, clear zone good, pavement is fine minor pot holes, has priority at end		
4.703	Yarano Rd	Spencer Hwy	Summer Track	2,463	P3	Has priority at Summer Track intersection, 7-8m cartway, pavement generally good minor pot holes, some vegetation on edged of pavement, trees within 3m clear zone, flat and straight alignment, intersection with Spencer Highway has give ways, sight lines sufficient, radii insufficient but can use full width as very open		
4.704	Yarano Rd	Summer Track	Yorke Valley Rd	1,548	P3	Intersection with Yorke Valley Road has give ways, sight lines sufficient, radii insufficient will need to use full road width, 6m cartway, trees up to edge, pavement good quality, although some pot holes as we go on, trees generally outside 3m clear zone, straight and generally flat, has priority at Summer Track intersection, warning sign provided		
4.705	Yarano Rd	Yorke Valley Rd	3km E of Yorke Valley Rd	3,003	P3	6-7m cartway width, alignment good, pavement has some pot holes but reasonable, trees and vegetation up to edge, intersection with Yorke Valley Road has give ways, sight lines tight but sufficient vegetation trimming will improve, radii insufficient will need to use full road width but reasonable		
4.706	Yarano Rd	3km E of Yorke Valley Rd	Pine Point Rd	3,052	P2	Intersection with Pine Point Road has give way, six ways, poor angles, sight lines insufficient for some legs, radii insufficient for some movements due to angles, upgrade intersection, needs grass and vegetation trimming to improve to, 7m cartway, pavement poor quality with pot holes and soft sections, trees and vegetation within 3m clear zone, straight alignment some vertical, sight lines sufficient	2 - Alignment and Signage	\$150,000
25.242	Yeland Rd	Mirlaton Rd	3.3km NE of Mirlaton Rd	3,293	P4	Intersection with Mirlaton - Has give way sign. 6 way int with Woodgee Rd. Has small central island, priority unclear. Min Rd sight lines and radius are sufficient. Mid block - 7 to 8m wide, some potholing of pavement. Clear zone reasonable. Road narrows to 6m heading north. Road continues at north end - no intersection.		

Yorke Peninsula Council

HDS Australia Pty Ltd

Asset ID	Road name	From	To	Length (m)	Risk Rating	HDS Australia Comments	Category	Cost Estimate
25.243	Yelland Rd	3.3km NE of Minlaton Rd	St Vincent Hwy	3,294	P2	Mid block - 4 to 5m width, pavement ok, some trees in clear zone. Tight horizontal curve (90 deg) with no delineation or widening. Sight line issues due to vegetation on inside. Truck would use full pavement width. Pavement widens to 5 to 6m some sections of northern end. Intersection with St Vincent Hwy - Has give way sign. Sight lines are good. Radius is ok, but likely to use full width of Yelland Road.	7 - Major Intersection Widening	\$100,000
25.252	Yelloworowie Rd	Point Souttar Rd	Levens Rd	3,221	P2	Has priority at Point Souttar Road intersection, 6.7m carriageway, very tight vertical curves with major sight line issues, vegetation up to edge and encroaching onto pavement, trees within 3m clear zone, pavement reasonable, narrows to 5m in sections, some pot holes, has priority at Levens Road junction	6 - Sight Distance and Junction Widening	\$50,000
25.253	Yelloworowie Rd	Levens Rd	Reo Rd (Track)	3,232	P3	Has priority at Levens Road, 6m carriageway, width varies, some vegetation up to edge and trees within 3m clear zone, pavement poor quality, straight alignment with minor vertical, has priority at Reo Road junction		
25.254	Yelloworowie Rd	Reo Rd (Track)	Hundred Line Rd	1,524	P2	Has priority at Reo Road junction, 5m carriageway, straight alignment with minor vertical sight line fine, some trees within 3m clear zone, pavement reasonable, intersection with Hundred Line Road has give way, sight lines sufficient, radii insufficient will use full width	6 - Sight Distance and Junction Widening	\$50,000
25.255	Yelloworowie Rd	Hundred Line Rd	Hayes Rd	3,226	P2	Intersection with Hundred Line Road has give way, sight lines insufficient due to vegetation, radii insufficient need to use full width, 5m carriageway, vegetation up to edge, pavement average, straight alignment with vertical curves, minor sight line issues, intersection with Hayes Road has give ways, sight lines sufficient but vegetation trimming would improve, radii insufficient will need full width, angles poor	6 - Sight Distance and Junction Widening	\$50,000