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Number Chainage Proximity
Viewpoint Buildings located within Visual

Buildings located east of highway alignment. They form
he Arawarra township and Tourist Park. Roads generally
Viewpoint
.



$\begin{array}{ll}\text { Nearby house to be demolished for new highway. Only } & \text { No viewpoint } \\ \text { ancillary building is outside of construction zone. Road in }\end{array}$ Nearby house to be demolished for new highway. Ony
ancillary building is outside of construction zone. Road in
cut and fill in open / agricultural landscape. Buildings located east of highway alignment. Road in cut Viewpoint \#4
within forest. Presume 1 house is removed for construction. Others to Viewpoint \#4

remain. Road in cut and fill in forest. |  |  |
| :--- | :--- |
| Buildings north of highway alignment. Road on fill in forest. No viewpoint | Yes |

 homes
Buildings located east of highway alignment. They form No Viewpoint
the Arawarra township. Roads generally on fill. Viewpoint \#1
$\qquad$
Adijacent Kangaroo Trail Road. Except for 1 ancillar
building in the 200-300m zone, all buildings are located
east of highway. Road in cut in an open landscape.

Kangaroo Trail road overbridge crosses highway. n partial | sidential dwelling deleted from count due to its location N/A $\begin{array}{l}\text { side the construction boundary. }\end{array}$ N/A |
| :--- | Yes

No
Yes
No
Yes Building use associated with service station are unable to
be classified from aiempoint photo. Road on fill in forest and open
lagriculture.
New service road on fill east of existing highway. Road on Viewpoint \#3
fill in forest and open/ agriculture.
Buildings west of highway alignment. Road in cut in forest. Viewpoint \#4
Buildings west of highway alignment. Road in cut in forest. No viewpoint
Includes class M road upgrade.
Buildings east of highway alignment. Road in small cut, No viewpoint
generally on fill. Road in forest.
Buildings west of highway alignment. Road in cut in forest. No viewpoint
Includes class M road upgrade.
Buildings east of highway alignment. Road in small cut, No viewpoint
generally on fill. Road in forest.
Buildings west of highway alignment. Road in cut in forest. No Viewpoint No
Includes class $M$ road property access.
Buildings east of highway alignment. Road on fill in forest. No Viewpoint
Includes class M road upgrade.
Buildings east of tighway algnment.
forest and argiciture in cut and fill in Viewpod land
Buildings north east of highway alignment. Class $M$ road
$\begin{array}{ll}5 \text { Residential dwellings } & { }^{7} \text { Ancillary buildings } \\ 0 & 0\end{array}$ 1 Ancillary building
${ }^{6}$ Ancillary buildings
2 Residential dwelling
2 Res
0 2 Ancillary buildings
 0 0 -
Ancillary buildings
4 Ancillary buildings

Legend_Viewpoint
Not located at actual viewpoint, but
appears reflective of viewpoint

Builaing drim count following second
remived from con
revien

$\begin{array}{ll} & \begin{array}{l}\text { Legend_ Buildings located } \\ \text { within Vivual Catchment }\end{array} \\ \text { Not captured by current viewpoints } & \text { No Viewpoilt }\end{array}$

| 20 | 20200-20600 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | 0 | 0 | Presume 1 building is removed for construction. Others to remain. Buildings located south west of new highway. Highway on fill adjacent forest and open / agriculture. | Viewpoint \#3 | Yes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21 | 20600-21100 | 0 | 0 | 1 Residential dwelling |  | 2 Residential dwellings | 1 Ancillary building | Buildings located east of highway alignment. Road on fill in forest. | No viewpoint | Yes |
| 22 | 21500-21800 | 0 | 0 | 1 Residential dwelling | 8 Ancillary buildings | 1 Residential dwellings | 0 | Buildings located East and West of highway alignment. Road is on fill and passes through both forest and agriculture. | Viewpoint \#3 | Yes |
| 23 | 22700-22800 | 0 | 0 | 0 | 0 | 1 Residential dwellings | 0 | Part only in $<300 \mathrm{~m}$ catchment zone. Road on fill in forest. | No viewpoint | Yes |
| 24 | 23000 | 0 | 0 | 0 | 0 | 1 Residential dwellings | 0 | Buildings located west side of highway. Road on fill in forest. | No viewpoint | Yes |
| 25 | 23200-23300 | 0 | 0 | 1 Residential dwelling | 0 | 0 | 0 | Buildings located west side of highway. Road mostly on fill, and located in open / agriculture. Forest to the east. | No viewpoint | Yes |
| 26 | 23400-24100 | 0 | 0 | N/A | 2 buildings | 2 Residential dwellings | 2 Ancillary buildings | 2 buildings in the $200-300 \mathrm{~m}$ zone unable to obtain function. Road in forest on fill. | No viewpoint | Yes |
| 27 | 33500-34000 | 0 | 0 | 1 Residential dwelling | 0 | 1 Residential dwelling | 3 Ancillary buildings | Buildings located on west side of highway. | No upgrade proposed | No |
| 28 | $34500-34700$ | 0 | 0 | 0 | 0 | 2 Residential dwellings | 2 Ancillary buildings | Buildings located on west side of highway. Road mostly o fill, although one cut in limited areas. Section of road includes overpass to Gratton and connection to existing highway alignment. | No viewpoint | No |
| 29 | 41000 | 0 | 0 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | Building located on south side of highway. Road mostly in cut and within an open / agricultural landscape. | Viewpoint \#9 | Yes |
| 30 | 45600-45700 | 0 | 0 | 1 Residential dwelling | 0 | 1 Residential dwelling | 6 Ancillary buildings | Buildings located north and south of highway. Road in cut in an open woodland setting. | Viewpoint \#11 | Yes |
| 31 | 52200-52400 | 0 | 0 | 1 Residential dwelling | 4 Ancillary buildings | 0 | 0 | Buildings located east side of highway. Road mostly in cut. Road located in open woodland. Service road located on fill. Overpass and bridge located nearby. | Viewpoint \#14 | Yes |
| 32 | 57300 | 1 Residential dwelling | 0 | 0 | 0 | 0 | 0 | Building located east side of highway. Road located in forest on fill. | N/A | N/A |
| 33 | 58500-58600 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | 0 | 0 | East side of highway. Road located in forest on fill. | Viewpoint \#16 | Yes |
| 34 | 60500.60600 | 0 | 0 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | East side of highway. Road located in forest in cut. | No viewpoint | No |
| 35 | $61200 \cdot 61400$ | 0 | 0 | 1 Residential dwelling | 0 | 1 Residential dwelling | 0 | Buildings located, one east/ one west of highway. Both located in open woodland. Highway on fill. Service roads in cut. Service road to underpass highway. | Viewpoint \#16 | Yes |
| 36 | 66600.66700 | 0 | 0 | 0 | 0 | 1 Residential dwelling | 2 Ancillary buildings | Buildings located on east side of highway. Highway in major cut within open woodland. | Viewpoint \#18 | Yes |
| 37 | 67100 | 0 | 0 | 0 | 0 | 1 Residential dwelling | 2 Ancillary buildings | Buildings located on east side of highway. Highway in major cut within open woodland. | Viewpoint \#18 | Yes |
| $\overline{38}$ | 67500.68200 | 1 Residential dwelling | 0 | 5 Residential dwellings | 8 Ancillary buildings | 1 Residential dwelling | 0 | Buildings located on west side of highway. Existing highway located further west. New road on fill located in woodland. Existing properties on edge of open / agricultural landscape. | Viewpoint \#19 | Yes |
| 39 | 68600.69200 | 0 | 0 | 3 Residential dwellings | 3 Ancillary buildings | 2 Residential dwelling | 0 | Buildings located on west side of highway. Existing highway located further west. New road on fill located in woodland. Existing properties on edge of open/ agricultural landscape | Viewpoint \#19 | Yes |
| 40 | 69800-69900 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | 0 | 0 | South side of highway. Highway is located on fill in an agricultural landscape. | No viewpoint | Yes |
| 41 | 70800-71000 | 0 | 0 | N/A | 2 buildings | N/A | 1 building | Buildings located on south side of highway. Unable to determine building function. Road is on fill in the agricultural flood plain. | No viewpoint | Yes |
| 42 | 71100 | 0 | 0 | 0 | 0 | N/A | 1 building | North side of highway. Unable to determine building function. Road is on fill in the agricultural flood plain. | Viewpoint \#21 | Yes |
| 43 | 77000-77100 | 1 Residential dwelling |  | 1 Residential dwelling | 1 Ancillary building | 0 | 0 | Buildings located on west side of highway. Road in cut within agricultural landscape. | Viewpoint \#22 | Yes |
| 44 | 77600-77800 | 0 | 0 | 0 | 0 | 1 Residential dwelling | 2 Ancillary buildings | Buildings located on the east side of highway. Road is in some cut though predominately is located on fill in an open / agricultural landscape. | Viewpoint \#23 | Yes |


| 45 | 78200-78500 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | 0 | 3 Ancillary buildings | Buildings located on the west side of highway. Road is located on some fill, though predominately cut in a generally open / agricultural landscape. | Viewpoint \#23 | Yes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 46 | 79000-79200 | 0 | 0 | 0 | 0 | N/A | 5 buildings | Buildings located on west side of highway. Unable to determine building function. Road located on fill in open / agricultural landscape. | Viewpoint \#24 | Yes |
| 47 | 79600-79800 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building / 6 buildings | 0 | 0 | Unable to determine the function of the 6 buildings. Road is on fill in an agricultural setting. | Viewpoint \#24 | Yes |
| 48 | 80300-80500 | 0 | 0 | 0 | 1 cafe / restaurant / function facility | 0 | 0 | Includes heritage barge parked in front of building. Buildin surrounded by car parking facilities. Road is located on fill in an open landscape. Includes part of the MacLean interchange. | Viewpoint \#24 | Yes |
| 49 | 80600-83000 | 1 Residential dwelling | 0 | 17 Residential dwellings | 5 Ancillary buildings | 22 Residential dwellings | 1 multi-unit single story short stay residential accommodation/ 9 out buildings | Township of Maclean. Road on cut and fill. | No viewpoint | Yes - Partial |
| 50 | 81000.82700 | 4 Residential dwellings | 0 | 17 Residential dwellings | 12 Ancillary buildings | 12 Residential dwellings | 11 Ancillary buildings | Township of Townsend. Road on cut and fill. | No viewpoint | Yes |
| 51 | 83200-83400 | 0 | 0 | N/A | 3 buildings | N/A | 1 building | Unable to determine the function of the 4 buildings. 2 are likely to be detached residential dwellings. Road on high fill. Forest opening up to agricultural landscape. | No viewpoint | Yes |
| 52 | $83900-84100$ | 0 | 0 | N/A | 5 buildings | 0 | 0 | Unable to determine the function of the 5 buildings. Road on high fill, in open / agricultural landscape. | No viewpoint | Yes |
| 53 | 86100-86300 | 0 | 0 | 0 | 1 Ancillary building | 6 Residential dwellings | 2 Ancillary buildings | Buildings located west of highway on Yamba Road. Road on fill becoming elevated structure for bridge crossing. | Viewpoint \#26 | Yes |
| 54 | 86800-87500 | 2 Residential dwellings | 3 Ancillary buildings | 17 Residential dwellings | 1 church complex / 6 Ancillary buildings | 12 Residential dwellings | 1 general store, 1 hotel, 3 farm businesses, 7 Ancillary buildings | Buildings are located west of highway alignment. Township of Harwood. Road is on elevated structure arriving on fill within north Harwood. | Viewpooint \#28 | Yes |
| 55 | 86800-87300 | 3 Residential dwellings | 1 Community hall / 2 Ancillary buildings | 15 Residential dwellings | 10 out buildings | 9 Residential dwellings | 10 Ancillary buildings including 2 cricket sheds | Buildings are located east of highway alignment. Township of Harwood. Road is on elevated structure arriving on fill within north Harwood. | Viewpoint \#28 | Yes |
| 56 | 87600.88200 | 0 | 0 | 3 Residential dwellings | 3 buildings | N/A | 4 buildings | Buildings located west of highway alignment. Unable to determine 7 building functions. Road on fill. Includes Harwood interchange. Road located in an open landscape | No Viewpoint | Yes |
| 57 | 93600-93800 | 0 | 0 | N/A | 2 buildings | 0 | 0 | Buildings located east of highway alignment. Highway and service roads on fill. Drainage elements in cut. Roads pass through open / agricultural landscape. | Viewpoint 34 | Yes |
| 58 | 93900-94000 | 1 Residential dwelling | 0 | 0 | 0 | 0 | 0 | Building located west of highway alignment. Road on fill in open / agriculture. Building adjacent bridge takeoff. | No Viewpoint | Yes |
| 59 | 94200-94400 | 0 | 0 | 1 Residential dwelling | 1 Ancillary building | 0 | 0 | Buildings located west of highway alignment. Road on fill in open / agriculture. Drainage in cut. | Viewpoint 35 | Yes |
| 60 | 94700.95500 | 1 Residential dwelling | 0 | 2 Residential dwellings | 2 Ancillary buildings | 1 Residential dwelling | 0 | Buildings located east of highway alignment. Highway in both cut and fill. Road in a mixed agriculture and forested landscape. Extensive areas of existing vegetation to be removed. | Viewpoint 36 | Yes |
| 61 | 98100-98300 | 0 | 0 | 0 | 0 | N/A | 2 buildings | Buildings located west of highway alignment. Unable to determine 2 building functions. Road is in cut through an open / agricultural landscape. | No viewpoint | Yes |
| 62 | 102600-10280 |  | 0 | 0 | 2 Ancillary buildings | 1 Residential dwelling | 0 | Buildings located west of highway alignment. Road on fill through forest and agriculture. | No viewpoint | Yes |
| 63 | 103600-10380 | 1 Residential dwelling | 0 | 0 | 0 | 0 | 0 | Buildings located east of highway alignment. Road on fill in forest and agriculture. | No viewpoint | Yes |
| $\overline{64}$ | 119400-1960 | 2 Residential dwellings | 5 Ancillary buildings | 0 | 0 | 0 | 0 | Buildings east of highway alignment. Road at grade in forest. Class M road upgrade is in cut. | Viewpoint 37 | Yes |
| $\overline{65}$ | 119900-12020 |  | 0 | 2 Residential dwelling | 3 Ancillary building | 1 Residential dwelling | 1 Ancillary building | Buildings both East and West of highway alignment. Road at grade in forest. M class road upgrade is in cut. | Viewpoint 37 | Yes |
| $\overline{66}$ | 121000-12120 | N/A | 2 Ancillary buildings | N/A | 5 buildings | 0 | 0 | New Italy Buildings east and west of highway alignment. Unable to determine building function. Highway and senvice roads in cut. Located near buildings in forest. $M$ class road upgrade on fill. | Viewpoint 38 | Yes |
| $\overline{67}$ | 121500-12180 |  | 0 | 2 Residential dwellings | 2 Ancillary buildings | 0 | 0 | Buildings located East and West of highway alignment. Road located in both forest and agriculture. M class road upgrade located in forest. All roads are in fill. | No viewpoint | Yes |


| 68 | 122700-123300 1 Residential dwelling | 1 Ancillary building | 1 Residential dwelling | 3 Ancillary buildings | 1 Residential dwelling | 1 Ancillary building | Buildings located both east and west of highway alignment. Highway surrounded by forest, but passes through a primarily agricultural landscape adjacent the properties. | No viewpoint | Yes |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 69 | 124600-126000 4 Residential dwellings | 5 Ancillary buildings | 4 Residential dwellings | 8 Ancillary buildings | 0 | 3 Ancillary buildings | Buildings located east and west of highway alignment. Highway surrounded by forest, but passes through a primarily agricultural landscape adjacent the properties. | No Viempoint | Yes |
| 70 | 126600-127700 5 Residential dwellings | 10 Ancillary buildings | 8 Residential dwellings | 6 Ancillary buildings | 1 Residential dwelling | 1 Ancillary building | Buildings located both East and West of highway alignment. Highway generally surrounded by forest, but passes through an agricultural landscape. | No Viempoint | Yes |
| 71 | 128000 | 0 | 0 | 0 | 1 Residential dwelling | 3 Ancillary buildings | Buildings located east of highway alignment. Highway in both cut and fill. Road in a forested landscape. | No viewpoint | No |
| 72 | 128700-129100 1 Residential dwelling | 0 | 0 | 0 | 0 | 1 electrical substation | Buildings located east of highway alignment. Interchange located in forest. Majority of interchange in cut, though some parts on fill. | Viewpoint 39 | Yes |
| 73 | 129000-129600 0 | 0 | 2 Residential dwellings | 6 Ancillary buildings | 1 Residential dwelling | 6 Ancillary buildings | Buildings located west of highway alignment. Road set in predominately agricultural landscape. Road is on fill. | No viewpoint | Yes |
| 74 | 131900-132200 2 Residential dwellings | 1 Ancillary building | 0 | 4 Ancillary buildings | 2 Residential dwelling | 3 Ancillary buildings | Buildings located both east and West of highway alignment. Road is on fill in an open / agricultural landscape. | Viewpoint 42 | Yes |
| 75 | 136800-137000 0 | 0 | 0 | 0 | 1 Residential dwelling | 2 Ancillary buildings | Buildings located west of highway alignment. Road located on fill in an open agricultural setting. | No viewpoint | Yes |
| 76 | 137600-137800 0 | 0 | 0 | 0 | 1 Residential dwelling | 0 | Building located east of highway alignment. Road located on fill in an open agricultural landscape. | No viewpoint | Yes |
| 77 | 138100-138300 0 | 0 | 1 Residential dwelling | 4 Ancillary buildings | 0 | 0 | Buildings located west of highway alignment. Road located on fill in an open / agriculture setting, adjacent wallum scrub (forest). | No viewpoint | Yes |
| 78 | 142100-142300 0 | 0 | 1 Residential dwelling | 0 | 1 Residential dwelling | 3 Ancillary buildings | Buildings located east of highway alignment. Road located on fill in an open agricultural setting. | Viewpoint 43 | Yes |
| 79 | 143400-143600 0 | 0 | 0 | 0 | 1 Residential dwelling | 4 Ancillary buildings | Buildings located west of highway alignment. Road located on fill in an open agricultural setting. | No Viewpoint | Yes |
| 80 | 145900-146100 0 | 0 | 1 Residential dwelling | 0 | 0 | 1 Ancillary builing | Buildings located east of Highway alignment. Road crosses the Richmond River via elevated structure. The road is in cut directly behind hill and nearby buildings, and fill on the flood plain. Generally the road passes through agriculture. | Viewpoint 48 | Yes |
| 81 | 148400-148600 0 | 2 Ancillary buildings | 1 Residential dwelling | 0 | 0 | 0 | Buildings are located west of highway alignment. Road is on both cut and fill, and passes through sections of both forest and agriculture. | Viewpoint 50 | Yes |
| 82 | $151400-1518000$ | 2 Ancillary buildings | 2 Residential dwelling | 3 Ancillary buildings | 0 | 0 | Buildings located east of highway alignment. Road is located on fill in an agricultural floodplain. | Viewpoint 51 | Yes |
| 83 | 152600-153500 0 | 1 Ancillary building | 5 Residential dwellings | 7 Ancillary buildings | 3 Residential dwelling | 2 Ancillary buildings | Buildings located both east and west of the highway alignment. Major cut at the nearby hill. Fill on the floodplain. Both are located in an agricultural setting. | Viewpoint 52 | Yes |
| 84 | 153900 | 0 | 0 | 0 | 0 | 2 Ancillary buildings | Buildings located north of highway alignment. The road is on fill in an agricultural setting. | Viewpoint 53 | Yes |
| 85 | 154900-155100 0 | 0 | N/A | 2 buildings | 0 | 0 | Presume 1 pool, 1 detached residential dwelling, 1 ancillary building resumed. (Not included in calculations) Unable to determine building function. Road is located in an agricultural floodplain on fill. | Viewpoint 55 | Yes |
| 86 | 155300-155600 1 Residential dwelling, | 1 Ancillary building | 1 Residential dwelling | 0 | 0 | 0 | Presume 1 detached residential dwelling, 1 ancillary building resumed. (Not included in calculations) Road is located on fill in an agricultural flood plain. | Viewpoint 55 | Yes |
| 87 | 156200-156600 0 | 0 | 1 Residential dwelling | 1 Ancillary building | 1 Residential dwelling | 1 Ancillary building | Buildings are located on both sides of highway alignment. The road is located on fill in agriculture. | No Viempoint | Yes |
| 88 | 157200-157800 0 | 0 | 0 | 0 | 4 Residential dwelling | 2 Ancillary buildings | Buildings are located on elevated ground north-west of highway alignment. The road is located on fill. The road includes the Coolgardie Road Interchange. | Viewpoints 56 \& 57 | Yes |
| 89 | 157400-158300 0 | 0 | 2 Residential dwellings | 4 out buildings | 5 Residential dwelling | 9 Ancillary buildings | Buildings are located on both sides of highway alignment. All roads are on fill. This section of road includes the Coolgardie Road Interchange. The road passes through both forest and cleared open areas of grassland. | Viewpoints 56 \& 57 | Yes |

$90 \quad 159000-1596000$

| SUMMARY | 38 residential dwellings | 59 Ancillary buildings | -140 Residential dwellings 2 mobile homes | _182 ancillary buildings / 1 church _1 cafe / restaurant / function facility | 135 Residential dwellings 46 Mobile homes 1 multi-unit single story, short stay residential accommodation | 153 Ancillary buildings <br> 1 Electrical substation <br> 1 General store <br> _1 Hotel <br> _3 Farm businesses |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 13 Residential dwellings within 300 m of road alignment | Yes-83No-6N/A-2 |













| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 1 <br> Foreground view | Moderate <br> Major cutting and infrastructure work in existing pasture land. Much of the proposed highway is located below the main field of vision. Removal of vegetation to accommodate fill batters on the approaches would be visible in the landscape | Moderate <br> This changed view would be visible from a low number of local residences. | Moderate |
| 2A <br> Middle ground view | Moderate-low <br> The project located on an embankment traverses the floodplain from a middle ground vantage point. Views of the proposed bridge structure are generally screened by riparian vegetation. | Moderate-low <br> This changed view would be visible from a low number of local residences, and a high number of motorists would have fleeting glimpses of the project. | Moderate-low |
| 2B <br> Foreground view | High <br> New infrastructure in the existing woodland involving major earthworks and disturbance to existing trees. | Moderate <br> Considerable sensitivity for the residents of the adjacent homes who will experience repeated and long duration views. | Moderate-high |
| 3 <br> Interim upgrade | Moderate <br> Major disturbance to the existing native woodland, however the new infrastructure is typical of infrastructure already in place at this location. | Moderate-low <br> Considerable sensitivity for residents in a low number of homes with a changed foreground view at this location, however, the project is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway | Moderate |
| 3 <br> Ultimate upgrade | High-moderate <br> Major disturbance to the existing native woodland, however the new infrastructure is typical of infrastructure already in place at this location. | Moderate-low <br> Considerable sensitivity for residents in a low number of homes with a changed foreground view at this location, however, the project is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway. | Moderate |
| 4 <br> Interim option. <br> Foreground view | Moderate <br> Considerable disturbance to the existing native woodland, in a new location located to the east of the existing highway alignment. | High-moderate <br> The development is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway. | Moderate-high |
| 4 <br> Ultimate option. Foreground view. | Moderate <br> Considerable disturbance to the existing native woodland, in a new location located to the east of the existing highway alignment. | High-moderate <br> The project is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway. | Moderate-high |
| 5 <br> Middle ground view | High <br> New bridge and road infrastructure represents a major change in an existing woodland setting. Major disturbance to the existing native woodland is anticipated. | Low <br> The project is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway. There are few current local users. | Moderate |
| 6 <br> Foreground view | High-moderate <br> New infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility from this vantage point. | Low <br> This changed view would be visible for a low number of people from the local road network. | Moderate |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 7 | High-moderate | Low | Moderate |
| Foreground view | New infrastructure in a natural setting. Considerable tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility from this vantage point. | This changed view would be repeatedly visible for a low number of drivers from the local road network. |  |
| 8 | High-moderate | Low | Moderate |
| Foreground view | New infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility from this vantage point. | This changed view would be repeatedly visible for a low number of drivers from the local road network. |  |
| 9 | High | Moderate-low | Moderate-high |
| Foreground view | New road infrastructure across this landscape on a fill embankment represents a major change in an existing agricultural setting. Disturbance to the existing woodland vegetation is anticipated. | Considerable sensitivity for a low number of residences with direct views to the project and local residents who would have repeated access to a changed foreground view. |  |


| 10 | High-moderate | Moderate | Moderate-high |
| :---: | :---: | :---: | :---: |
| Middle ground view | New road infrastructure across this landscape on a fill embankment represents a major change in an existing agricultural setting. Disturbance to the existing woodland vegetation is anticipated. | Considerable sensitivity for a low number of residences and local people who would have long duration and/or repeated views to a changed foreground view. |  |
| 11 | High-moderate | Low | Moderate |
| Foreground view | New infrastructure in a natural setting. Considerable tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility from this vantage point. | This changed view would be visible for a low number of drivers from the local road network. |  |
| 12 | Moderate | Moderate | Moderate |
| Middle ground view | New road infrastructure across this scenic landscape on a low fill embankment represents a major change in an existing natural setting. Disturbance to the existing forest vegetation is anticipated. | This is a highly scenic landscape with distant views to the Mitchell Hill. This changed view would be visible for a low number of drivers from the local road network |  |
| 13 | High-moderate | Moderate | Moderate |
| Foreground view | New infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility generally from vantage points in the landscape. | Considerable sensitivity for a low number of residences and local people who would have long duration and/or repeated views to a changed foreground view. |  |
| 14 | High-moderate | Low | Moderate |
| Foreground view | New infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility generally from vantage points in the landscape. | A low number of local people would have repeated views to this changed view from the local road network. |  |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 15 <br> Foreground view | High-moderate <br> New road infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility generally from vantage points in the landscape. | Low <br> A low number of local people would have repeated views to this changed view from the local road network. | Moderate |
| 16 <br> Foreground view | High <br> New road infrastructure in a natural setting. Disturbance to the existing woodland vegetation is anticipated. | Low <br> A low number of local people would have repeated views to this changed view from the local road network. | Moderate |
| $17$ <br> Foreground view | High-moderate <br> New road infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility generally from vantage points in the landscape. | High <br> This is a highly sensitive area of High Conservation Value Old Growth Forest listed on the State Heritage Register. <br> Private property access is provided over the highway to a property located in the hills to the east, however, there are very few people likely to access this area and be affected by the proposed change. | High |
| 18 <br> Foreground view | High <br> New road infrastructure in a natural setting. Major tree removal and earthworks is proposed. Extensive cutting into the side of Bondi Hill highlights the visibility of the upgrade. | High <br> Considerable sensitivity for a high number of residences and local people who would have long duration and/or repeated access to a changed foreground view. A high number of motorists on the existing highway would also be affected by the changed view. | High |
| 19 <br> Foreground view | High <br> Major new road infrastructure in a natural setting. Major tree removal and earthworks is proposed. Retention of existing highway road side vegetation would reduce the visibility of the project and magnitude of change. | Low <br> There is a high number of local people and local homes that would have repeated views. It is anticipated that motorists on the existing highway would not have access to this changed view because of major existing road side vegetation which would be retained. | Moderate |
| 20A <br> Middle ground view | Moderate-low <br> New road infrastructure in an agricultural setting. | Moderate-low <br> This changed view would be visible from a low number of local residences, and a high number of motorists would have fleeting glimpses of this new road corridor. | Moderate-low |
| 20B <br> Foreground view | High <br> Significant new road infrastructure in an agricultural setting. <br> Minor filling and disturbance to pockets of existing vegetation is proposed. The new work would dominate the view from this vantage point. | Moderate <br> Considerable sensitivity for the residents of the adjacent home who will experience repeated and long duration views. | Moderate-high |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 20C <br> Foreground view | High <br> Significant new road infrastructure in an agricultural setting. <br> Minor filling and disturbance to pockets of existing vegetation is proposed. The new work would dominate the view from this vantage point | Moderate <br> Considerable sensitivity for the residents of the adjacent home who will experience repeated and long duration views. | Moderate-high |
| 21 <br> Middle ground view | Moderate-low <br> New road infrastructure in an agricultural setting. | Moderate-low <br> This changed view would be repeatedly visible from a low number of local residences, and a high number of motorists would have fleeting glimpses of this new road corridor. | Moderate-low |
| 22 <br> Foreground view | High-moderate <br> New road infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility generally from vantage points in the landscape. At times the view would be obscured by sugar plantation vegetation. | Moderate-low <br> Considerable sensitivity for a low number of residences with direct views to the project and local residents who would have repeated views to a changed foreground view. | Moderate |
| 23 <br> Middle ground view | Moderate-low <br> New road infrastructure in a natural setting. Major tree removal and earthworks is proposed. Location of the proposed highway in a cutting reduces its visibility generally from vantage points in the landscape. At times the view would be obscured by sugar plantation vegetation. | Moderate <br> This changed view would be visible from a low number of local residences and from the local road network. | Moderate-low |
| $24 \mathrm{~A}$ <br> Foreground view | High <br> Major new infrastructure in an existing agricultural landscape, however the new infrastructure is typical of infrastructure already in place at this location. | Moderate <br> A high number of local people would repeatedly view this changed view from the local road network. | Moderate-high |
| 24B <br> Foreground view | Moderate <br> Duplicated highway infrastructure at the base of the prominent Maclean Pinnacle and above the small township of Townsend. the new infrastructure is typical of infrastructure already in place at this location | Moderate <br> Considerable sensitivity for a low number of residents at locations along Schwonberg and Jubilee Streets who will have long duration and/ or repeated access to a changed foreground view because of removal of existing roadside screen vegetation. | ModerateHigh |
| 25 <br> Distant View (to the bridge) | Low <br> Major new infrastructure is proposed at the Harwood Bridge but at considerable distance so the change only affects a small portion of the view. | High <br> Many people are invited to enjoy long duration panoramic views from this prominent vantage point. | Moderate |
| 26A <br> Foreground view | Moderate-low <br> Major new elevated bridge infrastructure would be visible but it would only impact a small portion of the overall view. | Moderate-high <br> This changed view would be visible from many local residents. | Moderate |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 26B <br> Ultimate option Middle ground view | High-moderate <br> Major new bridge infrastructure and fill embankments would dominate this foreground to middle ground view | Moderate-high <br> Considerable sensitivity for residents of a few homes with long duration views and lower sensitivity for local people generally who will have short term repeated visual access to the changed view | Moderate - high |
| 26B <br> Full alternative option Middle ground view | High-moderate <br> An alternate class M option proposes extensive additional slip roads through agricultural and forest landscapes. | Moderate-high <br> Increased sensitivity where new slip roads cause additional removal of forest and disturbance to agricultural area. | Moerate-high |
| 27A <br> Distant View | Low <br> A distant view of the elevated new bridge would be possible but it would only impact a small portion of the overall landscape view. | Moderate <br> Filtered views of the new bridge would be available to a low number of local residents. Sensitive views from a low number of homes may also occur. | Moderate - Low |
| 27B <br> Distant View | Low <br> A distant view of the new elevated bridge would intercept the horizon in this view however it impacts only a small portion of the view. | Moderate <br> Considerable sensitivity for a low number of residents and local people who will have long duration and/or repeated access to a changed foreground view | Moderate - Low |
| 28 <br> Foreground view | High <br> Major new elevated bridge infrastructure at an existing bridge crossing and scenic location (viewed from a public jetty). | High <br> Many local residents would have repeated access to this changed view. | High |
| 29 <br> Middle ground view | High <br> Major new elevated bridge infrastructure at an existing bridge crossing and scenic location. | High <br> This changed view would be repeatedly visible from many residences. | High |
| 30 <br> Distant <br> View | Low <br> A distant view of the new elevated bridge structure would be possible but it would only impact a small portion of the overall landscape view. | Low <br> Filtered views of the new bridge would be available to a low number of local residents. Sensitive views from a low number of homes may also occur | Low |
| 31 <br> Distance <br> View | Low <br> Major new infrastructure is proposed at the Harwood Bridge but at considerable distance so the change only affects a small portion of this panoramic view. | Low <br> This changed view would be visible to many people however the change is at considerable distance and occupies only a small portion of the overall view. | Low |
| 32A <br> Foreground view | High-moderate <br> Considerable disturbance to the existing agricultural landscape, however the new infrastructure is typical of infrastructure already in place at this location. | High-moderate <br> Considerable sensitivity for a low number of residents with a changed foreground view in this location. | Moderate -high |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 32A <br> Interim option. <br> Foreground View | High-moderate <br> Major new elevated overpass and considerable disturbance to the existing agricultural landscape. | High-moderate <br> Considerable sensitivity for a low number of residents with a changed foreground view in this location | Moderate -high |
| 32A <br> Ultimate option. <br> Foreground view | High-moderate <br> A new slip road is proposed at this interchange to achieve class M standard. | High-moderate <br> Considerable sensitivity for a low number of residents with a changed foreground view in this location. | Moderate -high |
| 32B <br> Foreground view | High <br> Considerable disturbance to the existing agricultural landscape with the addition of a new highway overpass, associated roundabouts and slip roads. The considerable elevation of the overpass ( 9 m ) makes it highly prominent in the flat floodplain landscape. New embankments are squeezed around existing homes located at the intersection. | Moderate <br> Considerable sensitivity for residents of a few homes with long duration views. Many motorists on the highway with fleeting views of the change. | Moderate -high |
| 33 <br> Interim option. Middle ground view. | Moderate-high <br> Highway upgrade and interchange is located on a low embankment traversing the floodplain at considerable distance from this viewpoint. | Moderate-low <br> This changed view would be repeatedly visible from a low number of local residences and from local streets. | Moderate |
| 33 <br> Ultimate option. Middle ground view | Moderate <br> A new elevated overpass and associated slip roads are proposed at a considerable distance from this viewpoint. | Moderate-low <br> This changed view would be repeatedly visible from a low number of local residences and from local streets. | Moderate |
| 34 <br> Foreground view | Low <br> _The project located on a low embankment within existing infrastructure corridor from a middle ground vantage point. Views of the proposed bridge structure are generally screened by riparian vegetation. | Low <br> _This changed view would be repeatedly visible from a low number of local residences and from local streets. | Low |
| 35 <br> Middle ground view | Low <br> New bridge infrastructure at an existing bridge crossing comprising a similar character and scale to the existing development in a scenic river location. | Moderate-low <br> _This changed view would be repeatedly visible from a low number of local residences and from local streets. | Moderate-low |
| 36A <br> Foreground view | High-moderate <br> A major upgrade of existing infrastructure and new elevated overpass is proposed. | Moderate-low <br> _This changed view would be available to motorists using the highway. | Moderate |
| 36B | High <br> Loss of roadside vegetation would open up views of the upgrade to local residents in close proximity to development. Major additional road infrastructure and elevated overpass is proposed. Some screening from existing vegetation is possible and will reduce the magnitude rating if retained. | High <br> This changed view would be repeatedly visible to a moderate number of local residents from their homes and from local streets. | High |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 36C <br> Interim <br> upgrade <br> Foreground view | Low <br> Considerable disturbance to the existing native woodland, however the new infrastructure is typical of infrastructure already in place at this location. | Low <br> The development is generally well screened by existing forest vegetation and mostly visible only to motorists using the highway. | Low |
| 36C <br> Ultimate <br> upgrade <br> Foreground view | Low <br> Considerable additional disturbance to the existing native woodland creates a much wider corridor through the forest, however the new infrastructure is typical of infrastructure already in place at this location. | Low <br> The development is generally well screened by existing forest vegetation and mostly visible only to motorists using the highway. | Low |
| 37 <br> Interim option. <br> Foreground view. | High-moderate <br> New road infrastructure in a natural setting. Disturbance to the existing woodland vegetation is anticipated | Low <br> This changed view would be available to a low number of people using the local road network. | Moderate |
| 37 <br> Ultimate option. <br> Foreground view. | High-moderate <br> Additional new road infrastructure in a natural setting. Additional disturbance to the existing woodland vegetation is anticipated | Low <br> This changed view would be available to a low number of people using the local road network. | Moderate |
| 38 <br> Interim option. Foreground view | Moderate <br> New infrastructure introduced to the existing setting The new work is typical of infrastructure already in place but represents a major change in scale. | High <br> This site has high sensitivity because of its heritage and cultural status. It is a tourist destination which attracts public visitation. | High-moderate |
| 38 <br> Ultimate option. <br> Foreground view | High <br> New infrastructure introduced to the existing setting The new work is typical of infrastructure already in place but represents a major change in scale | High <br> New infrastructure introduced to the existing setting The new work is typical of infrastructure already in place but represents a major change in scale | High |
| 39 <br> Foreground view | High <br> Major removal of forest vegetation to accommodate the new interchange is proposed. | Moderate-low <br> This changed view would be visible from a low number of local residences, and a high number of motorists would have fleeting glimpses of this new road corridor. | Moderate -high |
| 40 <br> Middle ground view | Moderate <br> The project traverses existing pasture land on a substantial embankments across the floodplain. | Moderate <br> This changed view would be visible from a low number of local residences, and a high number of motorists would have fleeting glimpses of this new road corridor. | Moderate |
| 41 <br> Middle ground view | Moderate <br> The project traverses existing pasture land on a substantial embankments across the floodplain. | Moderate <br> This changed view would be visible from a low number of local residences and streets. | Moderate |
| 42 <br> Foreground view | High <br> Large embankments to accommodate a new local overpass across the new dual carriageway highway in close proximity. Some loss of vegetation anticipated. | Moderate <br> This changed view would be visible from a low number of local residences and streets. | Moderate-High |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 43A \& B <br> Middle <br> Ground View | High <br> Major new road infrastructure in an natural and agricultural setting. Disturbance to the existing vegetation and major earthworks is proposed. | Moderate-low <br> This changed view would be visible from the local road network. | Moderate-high |
| 44 <br> Middle ground view | Moderate <br> The project traverses existing agricultural land on a substantial embankment across the floodplain | Low <br> This changed view would be repeatedly visible from a moderate number of homes, and a high number of motorists would have fleeting glimpses of this new road corridor. | Moderate-low |
| 45 <br> Middle ground view | High-moderate <br> Major new bridge infrastructure and fill embankments across an open agricultural landscape in a natural setting. | Low <br> This changed view would be visible from the local road network. | Moderate |
| 46 <br> Foreground View | High-moderate <br> Major new bridge infrastructure over the river and Pacific Highway in a natural and agricultural setting. | Low <br> This changed view would be visible for a low number of local people from the local road network. A small group of homes physically affected by the proposed work would be removed. | Moderate |
| 47 <br> Distant View | Moderate <br> Major new bridge infrastructure over the Richmond River in a natural scenic setting. | Moderate <br> The bridge is visible at a distance of 2 km and would only affect a small portion of the overall view however the view is sensitive because of its scenic quality. | Moderate |
| 48A <br> Foreground view | High <br> Major new bridge infrastructure and fill embankments in the foreground across the open agricultural landscape. | Moderate-low <br> Considerable sensitivity for a low number of residents at locations along the existing highway and in the floodplain area. Moderate sensitivity for motorists using the existing Pacific Highway | Moderate-low |
| 48B <br> Foreground view | High <br> Major new bridge infrastructure over the river in a natural setting. | Low <br> This changed view would be visible to low number of local people from the local road network. A small group of homes physically affected by the proposed work would be removed. | Moderate |
| 49 <br> Distant View | Moderate <br> Major new bridge infrastructure and fill embankments across an open agricultural landscape in a natural setting. | Low <br> The bridge is visible at a distance of 2 km and would only affect a small portion of the overall view | Moderate-low |
| 50 <br> Foreground View | High-moderate <br> Major new road infrastructure adjacent to an existing disturbed quarry area. | Moderate-low <br> This changed view would be visible for a low number of people from the local road network. | Moderate |
| 51 <br> Foreground view | High <br> Major highway infrastructure in an existing scenic agricultural setting | Moderate <br> Considerable sensitivity for a low number of residences with direct views to the project and local residents who would have repeated views to a changed foreground view. | Moderate-high |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 52 <br> Foreground view | High <br> Major highway infrastructure in an existing peaceful agricultural setting | Moderate <br> A low number of local people would have repeated views to this changed view from the local road network. | Moderate-high |
| 53 <br> Middle <br> Ground View | High <br> Major highway infrastructure in an existing peaceful agricultural setting | Moderate <br> This changed view would be visible from the local road network. | Moderate-high |
| 54 <br> Foreground view | High <br> Major highway infrastructure in an existing peaceful agricultural setting. | Moderate <br> This changed view would be repeatedly visible from the local road network. | Moderate-high |
| 55 <br> Middle <br> Ground <br> View | Moderate-high <br> Major highway infrastructure in an existing peaceful agricultural setting. | Moderate <br> This changed view would be repeatedly visible from the local road network. | Moderate-high |
| 56 <br> Foreground view | High <br> Major disturbance to the existing native woodland, however the new infrastructure is typical of infrastructure already in place at this location. | Moderate <br> Considerable sensitivity for a low number of residences with a changed foreground view at this location, however, the project is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway. | Moderate-high |
| 57 <br> Middle <br> Ground <br> View | High-moderate <br> Major disturbance to the existing native woodland, however the new infrastructure is typical of infrastructure already in place at this location. | Moderate-low <br> Considerable sensitivity for a low number of residences with a changed foreground view at this location, however, the project is generally well screened by existing woodland landscape and mostly visible only to motorists using the highway. | Moderate |
| 58 <br> Foreground View | Low <br> The proposed highway alignment is beyond the existing highway alignment and largely screened by existing tree vegetation. It is important to retain as much existing vegetation as possible. | Moderate <br> Considerable sensitivity for a low number of residences with a changed foreground view at this location, however, the project is generally well screened by existing trees and mostly visible only to motorists using the highway. | Moderate-low |
| 59 <br> Middle ground view | Moderate <br> New elevated highway infrastructure traversing the floodplain in an agricultural setting however the new work is typical of infrastructure already in place at this location. | Moderate-low <br> Considerable sensitivity for a low number of residences with a changed foreground view at this location. | Moderate |
| 60 <br> Foreground view | High <br> New elevated highway infrastructure traversing the floodplain in an agricultural setting however the new work is typical of infrastructure already in place at this location. Possible removal of existing vegetation would increase visibility of the proposed highway. | Moderate <br> Considerable sensitivity for a low number of residences with a changed foreground view at this location in the foreground view. | Moderate-high |


| Viewpoint | Magnitude | Sensitivity | Impact |
| :---: | :---: | :---: | :---: |
| 61 | Moderate-low | Moderate-low | Moderate-low |
| Middle ground view | New elevated highway infrastructure in an agricultural setting however the new work is typical of infrastructure already in place at this location. | Considerable sensitivity for a low number of residences with a changed foreground view at this location. |  |
| 62A | Moderate-low | Moderate-low | Moderate-low |
| Middle <br> Ground view | New elevated highway infrastructure traversing the floodplain in an agricultural setting however the new work is typical of infrastructure already in place at this location. | Considerable sensitivity for a low number of residences with a changed foreground view at this location. |  |
| 62B | Moderate | Moderate | Moderate |
| Middle <br> Ground view | New elevated highway infrastructure traversing the floodplain in an agricultural setting, however the new infrastructure is typical of infrastructure already in place at this location. | Considerable sensitivity for a few residents with a changed middle ground view due to loss of existing roadside vegetation screen |  |
| 63 | High-moderate | Moderate-low | Moderate |
| Foreground view | Major removal of native riparian vegetation would be required to accommodate the new bridges and highway. | Considerable sensitivity for a low number of residences at locations along this section of the road, however, parts of the project may be screened by existing riparian vegetation and mostly visible only to motorists using the highway. |  |

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