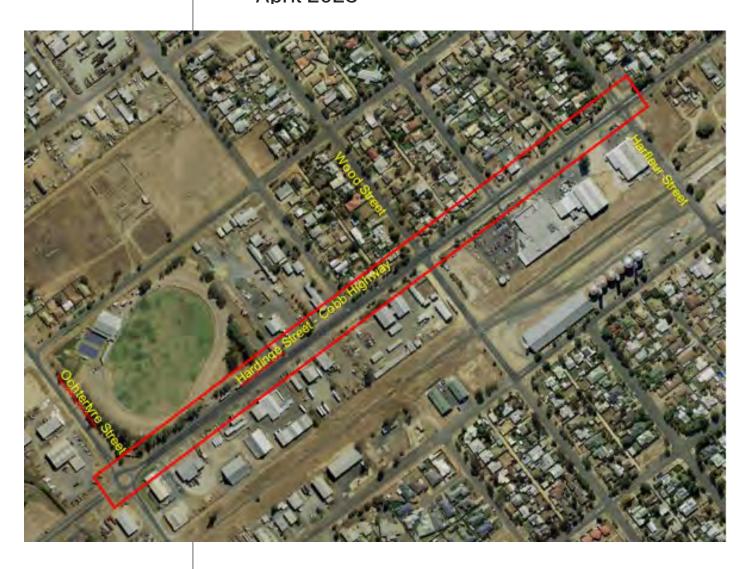
Hardinge Street Road Reconstruction

Minor Works Review of Environmental Factors

April 2025





transport.nsw.gov.au

Acknowledgement of Country

Transport for NSW acknowledges the traditional custodians of the land on which the project is proposed.

We pay our respects to Elders past and present and celebrate the diversity of Aboriginal people and their ongoing cultures and connections to the lands and waters of NSW.

Many of the transport routes we use today – from rail lines, to roads, to water crossings – follow the traditional Song lines, trade routes and ceremonial paths in Country that our nation's First Peoples followed for tens of thousands of years.

Transport for NSW is committed to honouring Aboriginal peoples' cultural and spiritual connections to the land, waters and seas and their rich contribution to society.

Table of contents

1.	Introduction	6
2.	The proposal	7
2.1	Description	7
2.2	Need and options	
2.3	Statutory and planning framework	
2.4	Community engagement and agency consultation	
3.	Environmental assessment	18
3.1	Soil	18
3.2	Waterways and water quality	21
3.3	Noise and vibration	22
3.4	Air quality	25
3.5	Aboriginal cultural heritage	26
3.6	Non-Aboriginal heritage	27
3.7	Biodiversity	28
3.8	Traffic and transport	33
3.9	Socio-economic	34
3.10	Landscape character and visual amenity	38
3.11	Waste	39
3.12	Climate change and greenhouse gas emissions	40
3.13	Cumulative impact	41
4.	Summary of safeguards and environmental management me	asures42
4.1	Safeguards and environmental management measures	42
4.2	Licensing and approvals	
4.3	Other requirements	
5.	Certification, review and determination	46
5.1	Certification	46
5.2	Environment and sustainability staff review	
5.3	Environment and Sustainability staff recommendation	48
5.4	Decision statement	
5.5	EP&A Regulation publication requirement	
Appe	endix A: Consideration of State and Commonwealth environmen	ntal factors (
Appe	endix B: Project Proposal or Site Details	53
Appe	endix C: Basic AHIMS Search and PACHCI Assessment Letter	63

Appendix D: Australian Heritage Database	69
Appendix E: Noise Assessment Table	70
Appendix F: Protected Matters - MNES Layers	72
Appendix G: BioNet Special List Animals	74
Appendix H: Trees near me-Search	78
Appendix I: Kerb Side Parking Plan Changes	81
Tables	
Table 2-1: Proposal location details	7
Table 2-2: Ancillary facilities	11
Table 2-3: Consultation required with Council	14
Table 2-4: Consultation with other public authorities	15
Table 2-5: Notification of council and occupiers of adjoining land	16
Table 3-1: Soil	18
Table 3-2: Waterways and water quality	21
Table 3-3: Noise and vibration	22
Table 3-4: Air quality	25
Table 3-5: Aboriginal cultural heritage	26
Table 3-6: Non-Aboriginal heritage	27
Table 3-7: Biodiversity	28
Table 3-8: Traffic and transport	33
Table 3-9: Socio-economic	34
Table 3-10: Landscape character and visual amenity	38
Table 3-11: Waste	39
Table 3-12: Climate change and greenhouse gas emissions	40
Table 3-13: Cumulative impact	41
Table 4-1: Summary of site-specific safeguards for proposed work	42
Table 4-2: Summary of licensing and approvals required	45
Table 4-3: Other requirements	45
Table 5-1: EP&A Regulation publication requirement	49

Figures

Figure 2-1: Proposal location details	
Figure 2-2: Ancillary facilities	114

1. Introduction

The purpose of the minor works review of environmental factors (REF) is to describe the proposal, to document the likely impacts of the proposal on the environment, to detail mitigation measures to be implemented and to determine whether the proposal can proceed. For the purposes of this work Transport for NSW (Transport) is the proponent and determining authority under Division 5.1 of the *Environmental Planning and Assessment Act 1979* (EP&A Act).

The description of the proposed works and assessment of associated environmental impacts has been undertaken in the context of section 171 of the Environmental Planning and Assessment Regulation 2021, Guidelines for Division 5.1 Assessments (DPE, 2022), the *Biodiversity Conservation Act 2016* (BC Act), the *Fisheries Management Act 1994* (FM Act) and the *Environment Protection and Biodiversity Conservation Act 1999 (Commonwealth)* (EPBC Act).

In doing so the REF helps to fulfil the requirements of section 5.5 of the EP&A Act including that Transport examine and take into account to the fullest extent possible all matters affecting or likely to affect the environment by reason of the activity.

The findings of the REF would be considered when assessing:

- Whether the proposal is likely to have a significant impact on the environment and therefore the necessity
 for an environmental impact statement to be prepared and approval to be sought from the Minister for
 Planning and Public Spaces under Division 5.2 of the EP&A Act.
- The significance of any impact on threatened species as defined by the BC Act and/or FM Act, in section 1.7 of the EP&A Act and therefore the requirement for a Species Impact Statement or a Biodiversity Development Assessment Report
- The potential for the proposal to significantly impact a matter of national environmental significance, including nationally listed threatened biodiversity matters, or the environment of Commonwealth land.
 Where a significant impact is considered likely on nationally listed biodiversity matters, either the proposal must be reconsidered or a project REF must be prepared.

2. The proposal

2.1 Description

2.1.1 Proposal location

Table 2-1: Proposal location details

Location details		
Title	Hardinge Street Road Reconstruction Project	
File number		
Road name and number	COBB Highway/ Hardinge Street (HW21)	
Closest crossroad(s)	Ochtertyre Street, Wood Street & Harfleur Street	
Chainage of works	CH 31.73 m to CH 967.52 m (From Ochtertyre St roundabout to West of Harfleur St intersection)	
Local government area	Edward River	
Transport for NSW region	South	

2.1.2 Proposal description

Transport proposes to reconstruct 936 lineal meters of Hardinge Street (COBB Highway HW21) between Ochterytre Street to the West of Harfleur Street. The proposal would include works:

- Reconstruct the road pavement
- Provide special turning lanes and new medians to improve road safety.
- Build new stormwater drainage and water connections and remove redundant infrastructure.
- Install new concrete kerbing, concrete and gravel pavements (driveways and footpaths)
- Improve property access where required.
- Landscaping works (nature strip, plantation, etc.)
- Install new road furniture and pavement marking.



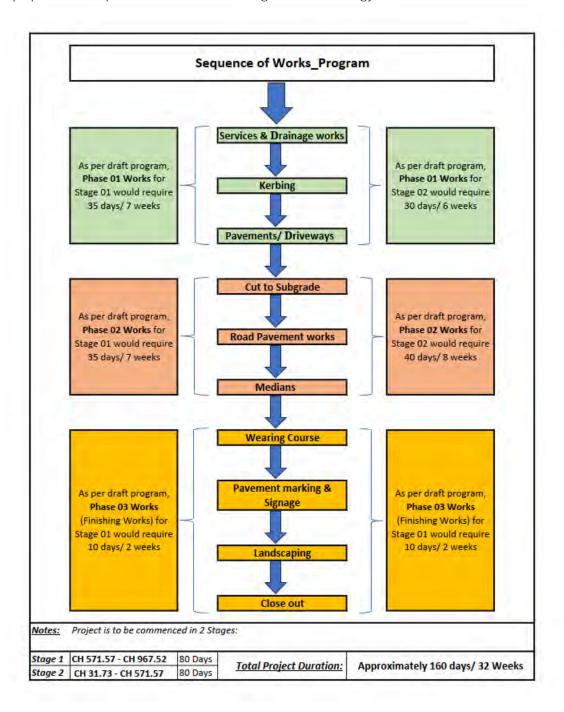
Figure 2-1: Location of the proposal (East: -35.529457, 144.95730 & West: -35.534693, 144.948884)

This section of the Hardinge Street is in poor condition with drainage concerns. It requires regular maintenance works such as patching and potholing and needs to be reconstructed. Key features of the proposal include:

- Survey set out and conformance.
- Establishment
- Erosion and sedimentation control
- Soil and water management
- Site preparation
- Traffic management
- Utility identification/management and adjustments
- Sawcut and remove existing road pavement wearing course
- Remove existing gravel driveway
- Remove existing landscaping
- Sawcut and remove existing concrete pavement wearing course
- Sawcut and remove existing concrete median island(s)
- Sawcut and remove concrete kerb
- Remove existing storm water culverts, pits and house drains
- Remove existing signs
- Sawcut, grub out and remove redundant trees
- Removal and stockpiling of the existing pavement material (if required)
- Remove and relocate light pole(s) where required.
- Remove and stockpile topsoil for reuse.
- Treatment of unsuitable material (if required)
- Install new storm water drainage (pits, culverts, house drains and connections) as per designs and RMS R11 standard specifications

- Install new water mains and connections
- Install new concrete kerbing as per designs and RMS R15 standard specifications
- Form, reo and pour new concrete pavements as per designs and RMS R54 standard specifications
- Stabilise subgrade (reuse fill, trim, shape and compact to subgrade level)
- Supply and place imported material(s) as per design requirements for pavements (road, gravel & concrete) and kerbing
- Supply and place AC20 C450 Asphalt in two 100mm layers as Base and Sub-base course for road pavement
- Supply and place 50mm thick layer of AC14 A15E Asphalt as wearing course for road pavement
- Undertake construction under traffic
- Minor works are required to tie into' side roads and property accesses
- Installation/maintenance of private property accesses
- Relocate property letter box's if required
- Replace guideposts
- Replace signs
- Pavement marking and line marking
- Topsoil and revegetate adjacent to the road (Install new trees, nature grass strip and granular sand)
- Work as executed drawings
- All wastes are to be disposed of at the nominated waste facility after the avoid, reuse, recycle and recover sustainability principals have been explored.
- Clear and reinstate existing stockpile sites on completion of work.

The proposal is anticipated to involve the following work methodology:



Equipment and machinery used for this work is typical of road maintenance and minor construction work.

Work will be conducted during standard work hours which are:

Monday-Friday
 Saturday
 Sunday and Public Holidays:

7:00am to 6.00pm
08:00am to 01:00pm
no work

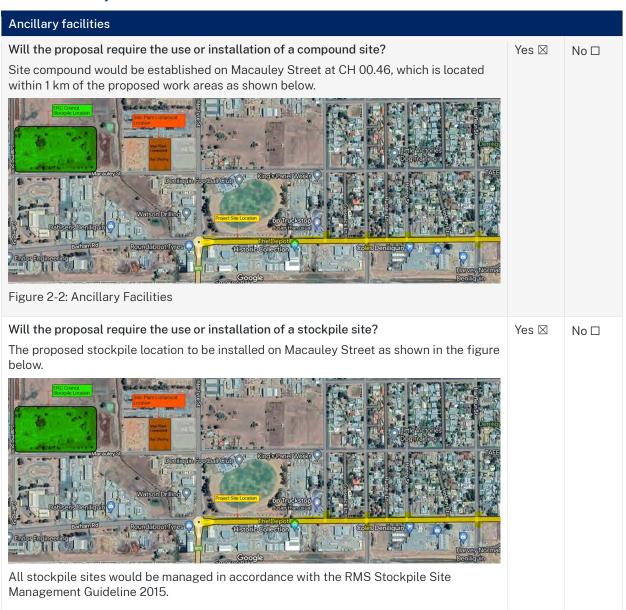
Any out of hours work will be done in line with Transports Construction noise and vibration guide (EMF-NV-GD-0060).

2.1.3 Proposal objectives

The primary purpose of the proposal is to improve the longevity and functionality of the road asset and reduce future maintenance costs. This would be done by replacing existing pavement and conform with TfNSW Network Performance Measures, Network Planning Targets, and the Route Standards for TfNSW. Other objectives of the proposal are to upgrade the road pavement, parking lanes, stormwater drainage, water mains, kerbing, pavements, and landscaping to improve the road safety, town aesthetics, and resolve concerns due to water ponding.

2.1.4 Ancillary facilities

Table 2-2: Ancillary facilities



Are any other ancillary facilities required (e.g. temporary plants, parking areas, access tracks)?	Yes ⊠	No □	
Additional temporary stockpiles and storage areas can be established where project and environment staff identify no additional environment impacts and low environment risks. This includes sites that have already been cleared, have limited or no weeds present, don't require earthworks to prepare the site and can be rehabilitated with limited work. Areas with native tree or grass cover, weedy sites and areas outside the road reserve are unlikely to meet the criteria. Areas outside the road reserve would require written agreement with the land manager before work begins. Temporary accesses must be maintained and managed in accordance with TfNSW standards and specifications.			

2.1.5 Proposed date of commencement

The proposed commencement date for the project is July 2025.

2.1.6 Estimated length of construction period

The estimated length of the construction period for the proposal is 32 weeks for all the stages and packages of work.

2.2 Need and options

2.2.1 Options considered

The options considered for the proposal included:

Option 1-Do Nothing

This option would involve maintaining the road with no improvement to road pavement.

Option one would not incur costs or disruption to road users and would not have any environmental impact. Option one would not improve road user safety or reduce the required maintenance needs and costs, therefore would not meet the objectives of the proposal.

The preferred option is:

Option 2 - Pavement reconstruction and improvement to current standards

This option would involve re-building and improving the existing road pavement and drainage for improved road user safety and asset maintenance and longevity. Option 2 would meet the objectives listed in section 2.1.3.

Option two would incur costs, cause minor disruptions to road users, and have temporary impacts to the environment. These temporary impacts would be outweighed by the long-term benefits to the road asset pavement life and reduced ongoing maintenance costs.

Option two is the preferred option due to the associated long-term benefits to the road asset.

2.2.2 Justification for the proposal

The proposal is required to improve asset longevity and reduce maintenance costs. It would ensure that this section of road complies with the Network Performance Measures and Network Planning Targets and the Route Standards for Riverina Murray Region.

2.3 Statutory and planning framework

2.3.1 State Environmental Planning Policy (Transport and Infrastructure) 2021

The State Environmental Planning Policy (Transport and Infrastructure) 2021 (SEPP (Transport and Infrastructure)) aims to facilitate the effective delivery of infrastructure across the state. This includes roads and road infrastructure facilities, and port, wharf or boating facilities. Section 2.109 of the SEPP (Transport and Infrastructure) permits development on any land for the purpose of a road or road infrastructure facilities to be carried out by or on behalf of a public authority without consent.

As the proposal is appropriately characterised as development for the purposes of a road or road infrastructure facilities and is to be carried out by or on behalf of Transport, it can be assessed under Division 5.1 of the EP&A Act. Development consent from council is not required.

The proposal is not located on land reserved under the *National Parks and Wildlife Act 1974* and does not require development consent or approval under:

State Environmental Planning Policy (Resilience and Hazards) 2021

State Environmental Planning Policy (Precincts - Eastern Harbour City) 2021

State Environmental Planning Policy (Precincts - Central River City) 2021

State Environmental Planning Policy (Precincts - Western Parkland City) 2021

State Environmental Planning Policy (Precincts - Regional) 2021

State Environmental Planning Policy (Planning Systems) 2021.

2.3.2 State Environmental Planning Policy (Biodiversity and Conservation) 2021

Chapter 6 (Water Catchments) of the State Environmental Planning Policy (Biodiversity and Conservation) 2021 relates to the use of land within four regulated catchments as defined in the SEPP. The proposal is in the Murray Riverina catchment which is not one of the regulated catchments.

2.3.3 Other relevant legislation and environmental planning instruments

Roads Act 1993 (NSW)

The Roads Act 1993 sets out rights of members of the public to pass along public roads, establishes procedures for opening and closing a public road and provides for the classification of roads. It also provides for the declaration of Transport, local councils, and other public authorities as roads authorities for both classified and unclassified roads and confers certain functions (the function of carrying out roadwork) on Transport and other roads authorities.

Heritage Act 1977 (NSW)

The Heritage Act 1977 aims to protect and preserve items of non-Aboriginal heritage significance. It provides for the protection of items of local, regional and State significance, and outlines processes for approval of development which may impact items of heritage significance.

National Parks and Wildlife Act 1974 (NSW)

The National Parks and Wildlife Act 1974 is the primary legislation dealing with Aboriginal cultural heritage in NSW. Items of Aboriginal cultural heritage (Aboriginal objects) or Aboriginal places (declared under section 84) are protected and regulated under the Act. Aboriginal objects are protected under section 86 of the Act. Under section 90(1) of the Act, the Chief Executive may issue an Aboriginal heritage impact permit (AHIP) for an activity which would harm an Aboriginal object.

Protection of the Environment Operations Act 1997 (NSW)

The Protection of the Environment Operations Act 1997 (POEO Act) aims to protect, restore, and enhance the quality of the environment principally through the regulation of pollution. It does this mainly through a

requirement to notify pollution incidents, and through Environment Protection Licences (EPL) for certain 'scheduled' activities and non-scheduled activities with potential to pollute waters.

The activity does not meet the definition of 'road construction' under Schedule 1, Part 1, cl35 of the POEO Act. The proposal would not result in the extraction or processing of more than 150,000 tonnes of material or result in a four-lane road, an EPL is not required.

Notwithstanding, in carrying the proposal, any pollution incident causing or threatening to materially harm the environment would need to be notified to the Environment Protection Authority (EPA). This would include pollution incidents involving air, water, noise or land pollution, the disposal of waste, or material spills, leaks or escapes.

Biodiversity Conservation Act 2016 (NSW)

The BC Act protects threatened flora and fauna species and ecological communities and their habitats within NSW.

Aboriginal Land Rights Act 1976 (NSW)

The Aboriginal Land Rights Act 1983 (ALR Act) provides for the land rights for Aboriginal Persons and for representative Aboriginal Land Councils in New South Wales. Crown Land that is not lawfully being used or occupied, not (likely) needed for residential or essential public purposes and not the subject of a registered native title claim, or determination can be claimed under the ALR Act.

Crown Land Management Act 2016 (NSW)

The Crown Land Management Act 2016 provides for the ownership and equal management of parcels of land which are identified as 'Crown Land' under this Act. Proposals which are located on Crown Land must consider environmental, social, cultural, and economic considerations of the specific parcel of land.

2.4 Community engagement and agency consultation

2.4.1 SEPP (Transport and Infrastructure) consultation

Part 2.2 of the SEPP (Transport and Infrastructure) contains provisions for public authorities to consult with local councils and other public authorities prior to the commencement of certain types of development. This is detailed below:

Table 2-3: Consultation required with Council.

Is consultation with Council required under sections 2.10 - 2.12 and 2.14 of the SEPP (Transport and Infrastructure)?		
Are the works likely to have a substantial impact on the stormwater management services which are provided by council?	Yes ⊠	No □
Yes, impacts the stormwater management services temporarily for the works included in the proposal, which would lead to minor impacts during construction. Edward River Council are a stakeholder in the proposal, so the SEPP consultation is not necessary.		
Are the works likely to generate traffic to an extent that will strain the capacity of the existing road system in a local government area?	Yes □	No ⊠
Will the works involve connection to a council owned sewerage system? If so, will this connection have a substantial impact on the capacity of the system?	Yes □	No ⊠
Will the works involve connection to a council owned water supply system? If so, will this require the use of a substantial volume of water?	Yes □	No ⊠

No substantial impact.		
Will the works involve the installation of a temporary structure on, or the enclosing of, a public place which is under local council management or control? If so, will this cause more than a minor or inconsequential disruption to pedestrian or vehicular flow? Alternate accesses to the businesses and the footy oval would be needed during construction. Minor or inconsequential disruption to the pedestrian or vehicular flow could occur temporarily while working near footpaths and driveways. A communications plan will cover this potential impact in-detail.	Yes ⊠	No □
Will the works involve more than a minor or inconsequential excavation of a road or adjacent footpath for which council is the roads authority and responsible for maintenance? Council owned parking lanes, other soft and hard landscaping works involve excavation activities as required. Consultation with the council is ongoing so formal consultation under this SEPP has been addressed.	Yes ⊠	No □
Is there a local heritage item (that is not also a state heritage item) or a heritage conservation area in the study area for the works? If yes, does a heritage assessment indicate that the potential impacts to the heritage significance of the item/area are more than minor or inconsequential?	Yes □	No ⊠
Is the proposal within the coastal vulnerability area and inconsistent with a certified coastal management program applying to that land?	Yes □	No ⊠
Are the works located on flood liable land? If so, will the works change flooding patterns to more than a minor extent? The location of the proposal is within the Edward River-Murray River Catchment Area which is prone to flooding. The most recent flooding event in November 2023 caused water logging. Deniliquin was declared as an area of emergency by the NSW State Government – Severe Flooding from 28 th November 2023. An aim of the proposal is to improve stormwater issues but flooding patterns would not be impacted to more than a minor extent.	Yes ⊠	No 🗆

Table 2-4: Consultation with other public authorities

Is consultation with a public authority (other than Council) required under sections 2.13, 2.15 and 2.16 of the SEPP (Transport and Infrastructure)?		
Are the works located on flood liable land? (to any extent) The location of the proposal is within the Edward River-Murray River Catchment Area which is prone to flooding. The most recent flooding event in November 2023 caused water logging. Deniliquin was declared as an area of emergency by the NSW State Government – Severe Flooding from 28th November 2023. Regarding Hardinge Street, water logging was higher on one side of the Street (Deniliquin Football Club side) but also impacted the Wood Street and Sloanne Street intersection. ERC noted that the water logging occurred in other areas of the street are very slight /negligible. The proposal will not impact flooding and consultation with other organizations is not required.	No □	

Are the works adjacent to a national park, nature reserve or other area reserved under the <i>National Parks and Wildlife Act 1974</i> , or on land acquired under that Act? The NSW National Parks and Wildlife Service (NPWS) Estate – SEED map identified no National Park, nature reserve or other area reserved under the National Parks and Wildlife Act 1974, or on land acquired under that Act adjacent	Yes □	No ⊠
to the works.		
Are the works on land in Zone C1 National Parks and Nature Reserves or in a land use zone equivalent to that zone? A search of the NSW National Parks and Wildlife Service (NPWS) Estate – SEED map identified no Land in Zone C1 National Parks and Nature reserves within or near the proposal area.	Yes □	No ⊠
Do the works include a fixed or floating structure in or over navigable waters?	Yes □	No ⊠
Are the works for the purpose of residential development, an educational establishment, a health services facility, a correctional facility or group home in bush fire prone land?	Yes □	No ⊠
Would the works increase the amount of artificial light in the night sky and that is on land within the dark sky region as identified on the dark sky region map? (Note: the dark sky region is within 200 kilometres of the Siding Spring Observatory)	Yes □	No ⊠
Are the works on buffer land around the defence communications facility near Morundah? (Note: refer to Defence Communications Facility Buffer Map referred to in clause 5.15 of Lockhart LEP 2012, Narrandera LEP 2013 and Urana LEP 2011).	Yes □	No ⊠
Are the works on land in a mine subsidence district within the meaning of the <i>Mine Subsidence Compensation Act 1967?</i>	Yes □	No ⊠
Are the works on, or reasonably likely to have an impact on, a part of the Willandra Lakes Region Work Heritage Property?	Yes □	No ⊠
Are the works within a Western City operational area specified in Schedule 2 of the <i>Western Parkland City Authority Act 2018</i> with a capital value of \$30 million or more?	Yes □	No ⊠

Table 2-5: Notification of council and occupiers of adjoining land

Do Council and occupiers of adjoining land need to be notified under section 2.111 of the SEPP (Transport and Infrastructure)?		
Does the proposal include a car park intended for the use by commuters using regular bus services?	Yes □	No ⊠
Does the proposal include a bus depot?	Yes □	No ⊠
Does the proposal include a permanent road maintenance depot or associated infrastructure, such as garages, sheds, tool houses, storage yards, training facilities and workers amenities?	Yes□	No ⊠

The proposal is to reconstruct Hardinge Street which is surrounded by local businesses and residential properties. Refer Section 3.9 Socio-economic factors for more details.

2.4.2 Other agency and community engagement

A consultation plan will be developed that considers road users, businesses, residents, harvest seasons, trucking industries, and surrounding landowners.

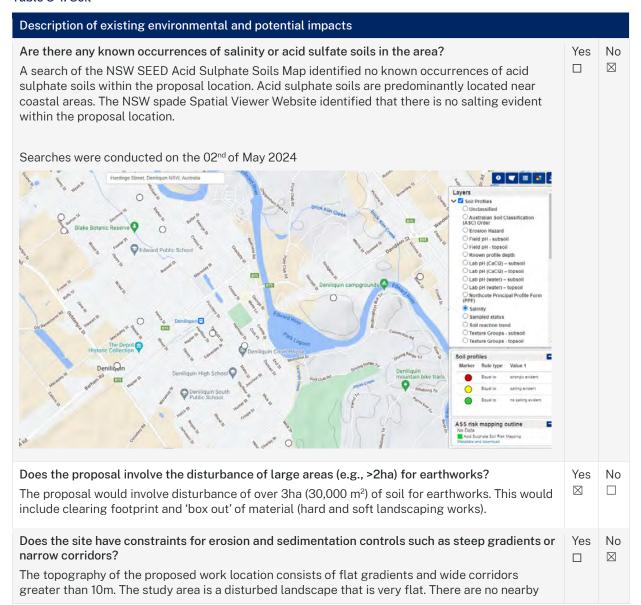
3. Environmental assessment

This chapter provides a detailed description of the potential environmental impacts associated with the construction and operation of the proposal. All aspects of the environment potentially impacted upon by the proposal are considered. This includes consideration of the factors specified in s171 of the Environmental Planning and Assessment Regulation 2021.

The matters of national environmental significance under the *Environment Protection and Biodiversity Conservation Act 1999* (Commonwealth) are also considered in Appendix A. Site-specific safeguards are provided to ameliorate the identified potential impacts.

3.1 Soil

Table 3-1: Soil



sensitive receiving environments. Basic erosion and sediment controls can minimise pollution risk. A Sediment Control Plan to be developed and followed accordingly.		
Are there any sensitive receiving environments that are located in or nearby the likely proposal area or that would likely receive stormwater discharge from the proposal? Sensitive receiving environments include, but are not limited to, wetlands, state forests, national parks, nature reserves, rainforests, drinking water catchments. A search of the NSW Planning Portal Spatial Viewer identified no known sensitive receiving environments or areas of biodiversity value that are located within the proposal area that would receive stormwater discharge from the proposal. Sensitive receiving environments nearby the proposal location are Edward River (>2km East of proposal), which is unlikely to receive stormwater discharge from the proposal due to topography of the location, distance from the works and lack of adjoining streams or creeks in the proposal area. Runoff water would be diverted through the town's stormwater drainage system and lagoon system to the West and through stormwater drains to the culvert off Barham Road to the East. The final DWG package will include flow directions.	Yes	No ⊠
** O II planes growth and provided before the Third property (and the property of the provided before the Third property of the provided before the Third provided before the		
Is there any evidence within or nearby the likely footprint of potential contamination? The EPA contaminated sites list was searched on 19 th October 2023 and provided no evidence of potential contamination within the likely footprint of the proposed works. The nearest contaminated site registered under the EPA contaminated land record of notices is a former Deniliquin Caltex fuel depot on 116–118 Hardinge Street (private property). The former fuel station is outside the scope of works boundary, hence do not impact the project proposal (EPA,2023).	Yes	No ⊠
Is the likely proposal footprint in or nearby highly sloping landform? The topography of Deniliquin is mostly flat with marginal difference in height (slope).	Yes	No ⊠
Is the proposal likely to result in more than 2.5ha (area) of exposed soil? The proposal is likely to result in 3.0ha of exposed soil for earthworks including clear zone and 'box out' area. Potential impacts associated with this amount of exposed soil could include an increase in dust generation from wind and plant movements and could also increase the extent and nature of storm water erosion and sedimentation in rain events. The work would be undertaken in a staged manner which minimises the area of exposed soil at any one time.	Yes ⊠	No 🗆

Additionally, the safeguards listed in this section would minimise the likely hood and extent of impacts.

Safeguards

Safeguards to be implemented: Erosion and sedimentation safeguards.

Erosio	n and sedimentation
E1	 Erosion and sediment control measures will be implemented and maintained to: prevent sediment moving off-site and sediment laden water entering any water course, drainage lines, or drain inlets. reduce water velocity and capture sediment on site. minimise the amount of material transported from site. divert clean water around the site. (in accordance with the Landcom/Department of Housing Managing Urban Stormwater, Soils and Construction Guidelines (the Blue Book)).
E2	Erosion and sedimentation controls will be checked and maintained on a regular basis (including clearing of sediment from behind barriers) and records kept and provided on request.
E3	Erosion and sediment control measures will not be removed until the works are complete, and areas stabilized.
E4	A progressive erosion and sediment control plan will be prepared for the works.
E5	The maintenance of established stockpile sites will be in accordance with the Transport Stockpile Site Management Guideline (EMS-TG-10) (2015).

3.2 Waterways and water quality

Table 3-2: Waterways and water quality

Description of existing environmental and potential impacts		
Is the proposal located within, adjacent to or near a waterway? The nearest waterway adjacent to the proposal site is Edward River approximately 2.0km from the proposal location. Changes associated with the flow of stormwater in the proposed works include placement of new stormwater drainage connections and replacement of old connections as per the description provided in section 2.1 of this report.	Yes □	No ⊠
The existing stormwater drainage condition of the site are poor.		
Inadequate surface and sub-surface drainage and high traffic counts have contributed to the deterioration of the road seal, pavement, and kerb & guttering.		
There are no stormwater drainage pipes present between Ochtertyre Street and Sloane Street. Stormwater is conveyed via flat kerb and channel to pits at the Ochtertyre Street intersection. Stormwater eventually discharges to an open drain in Barham Road, just west of the Ochtertyre Street intersection.		
The lack of pits between Ochtertyre Street and Sloane Street results in stagnant water pooling in the kerb. This deteriorates the existing kerb and road pavement.		
Sloane Street does contain some stormwater drainage pipes, conveying stormwater north-west along Sloane Street. These connect into the existing stormwater drainage system but are undersized, shallow, and flat.		
Stormwater drainage pipes are present but are undersized, shallow, and flat between Sloane Street and Harfleur Street. Existing pipes convey stormwater along Hardinge Street to the east, connecting into the existing stormwater drainage system. This drainage appears to be working effectively, with no pooling of stagnant water or pavement damage.		
Stormwater catchments for Hardinge Street generally consists of properties fronting Hardinge Street, plus Wood Street (South-east) and Harfleur Street (South-east) between Hardinge Street and the railway line.		
The remaining side streets Wood Street (North-west), Henry Street, Holden Court, and Harfleur Street (North-west) all contain stormwater pipes connecting to a separate stormwater network, which convey stormwater to the northwest. These do not contribute to the Hardinge Street catchment.		
The location and depth of the existing stormwater pipes in Hardinge Street severely restrict the design of new stormwater network. After examining the existing stormwater located in Hardinge Street it was determined that there was insufficient cover to achieve the required grade of 1:200 (0.50%), so pipe grade of 1:500 (0.20%) were adopted by Edward River Council. Box culverts were adopted where stormwater drainage is within pavement profile or lacked construction cover.		
The scope of works has temporary risks for waterways and water quality during construction. This would be limited by implementing standard mitigation measures that minimise the extent and nature of polluted water entering the lagoon systems and other waterways in the vicinity of the proposal.		
Mitigation measures would include diverting clean water around the works and retaining polluted stormwater within the boundaries of the works.		
Erosion and sediment control safeguards are listed in section 3.1 and 3.2 of this report.		
Is the location known to flood or be prone to water logging?	Yes ⊠	No □

The location of the proposal is within the Edward River-Murray River Catchment Area which is prone to flooding. The most recent flooding event in November 2023 caused water logging. Deniliquin was declared as an area of emergency by the NSW State Government – Severe Flooding from 28th November 2023. Regarding Hardinge Street, water logging was higher on one side of the Street (Deniliquin Football Club side) but also impacted the Wood Street and Sloanne Street intersection. ERC noted that the water logging occurred in other areas of the street are very slight /negligible.		
Is the proposal located within a regulated catchments covered by chapter 6 of State Environmental Planning Policy (Biodiversity and Conservation) 2021 (SEPP (Biodiversity and Conservation))?	Yes □	No ⊠
Would the proposal be undertaken on a bridge or ferry?	Yes □	No ⊠
Is the proposal likely to require the extraction of water from a local water course (not mains)? Water extraction will happen from the standpipe in Deniliquin.	Yes □	No ⊠
Safeguards relevant to waterways and water quality include the safeguards listed in Sect	ion 3.1	

Safeguards

No additional.

3.3 Noise and vibration

Table 3-3: Noise and vibration

Description of existing enviro	nmental and notantial impa	oto		
Description of existing enviro	nmentat and potential impa	cts		
Are there any residential properties or other noise sensitive areas near the location of the proposal that may be affected by the work (i.e., church, school, hospital)?			Yes	No
The proposal is to upgrade Hardinge Street, which is one of the busiest streets of Deniliquin. The proposed works have a direct noise and vibration impact on 10 large buildings with businesses/commercial activities and 16 residential buildings on Hardinge Street. There is significant number of residents living near of the project that could be noise impacted.				
There are also commercial an be affected due to construction		und the traffic diversion routes that will		
Table 04: Noise-sensitive rece	eivers			
Sensitive Receiver	Туре	Distance from Proposal (m)		
SR1	Residential (16 buildings)	Within 10m (On Hardinge St)		
SR2	Residential	>20m		
SR3	Industrial (10 buildings)	Within 20m (On Hardinge St)		
Is the proposal going to be un Standard working hours	ndertaken only during stand	lard working hours?	Yes	No ⊠
Monday-Friday: 7:00am to 6.0 Saturday: 8.00am to 1.00pm Sunday and Public Holidays:	•			

Additional detail on construction timing would be developed during delivery readiness. If work is required outside of standard work hours Transport's Construction Noise and Vibration Guideline (CVNG) would be followed. The standard and additional mitigation measures in the CNVG would be implemented and site-specific controls would be incorporated into a construction environment plan and the Community consultation plan for the project. There is likely to be traffic control measures in place for 24 hours a day during some stages of the work. A traffic guidance scheme will be needed to design traffic controls for construction. The traffic guidance scheme will consider limiting out of hours works noise impacts on nearby residents.		
Is any explosive blasting required for the proposal?	Yes	No ⊠
Would construction noise or vibration from the proposal affect sensitive receivers? The proposed works would generate minor noise impacts to the sensitive receivers near the proposal. A noise assessment has been done using Transport for NSW Construction and Maintenance Noise Estimator Tool, the details are in Appendix E. This identifies the extent and nature of noise impacts on sensitive receivers. The tool estimates distances at which receivers may be impacted by the proposed works. The assessment identified that 26 receivers would be impacted by the proposal. This is 26 buildings in total with 16 residential structures and 10 large industrial buildings. As per the noise assessment report, the 26 structures that are within 35m from work area will be impacted due to the construction in normal hours. Effects on sensitive receivers in the area include no impacts to SR3, and minor impacts to both SR1 and SR2. Mitigation measures that would be implemented based on the level of noise impact on SR1 and SR2 includes notification (letterbox drop or equivalent), respite period 1 or duration respite. The safeguards listed in this section of the report would be implemented to reduce the nature and extent of impacts associated with noise and vibration. The safeguards listed would be in accordance with Transport for NSW Construction Noise and Vibration guideline. For projects greater than six weeks a detailed noise assessment would normally be undertaken with at least seven days of noise logging. Due to the minor nature of the works, few receivers being affected by noise emission and isolated locality of the proposal, the results obtained through Transport for NSW Construction and Maintenance Noise Estimator Tool are sufficient at	Yes ⊠	No □
this stage. Vibration:		
There are 26 buildings near the project, 16 residences and 10 industrial/ commercial buildings. Table 3-5 below details minimum working distances from a range of construction plant. The details identify that none of the buildings near the project will be severely impacted by vibration. Dilapidation survey would be completed for all the residences and commercial buildings. Neither cosmetic damage nor human response impacts are likely given the distance to the buildings.		
Table 3-4: Recommended minimum working distances from vibrating plant and other equipment.		

		Minimum working distance			
		Cosmetic	; damage	Human Response	
Plant item	Rating / Description	Light-framed structure (BS 7385)	Heritage and other sensitive structures (DIN 41 50)	EPA's Vibration Guideline	
	< 50 kN (Typically 1-2 tonnes)	5 m	14 m	15 m to 20 m	
	< 100 kN (Typically 2-4 tonnes)	6 m	16 m	20 m	
	< 200 kN (Typically 4-6 tonnes)	12 m	33 m	40 m	
ibratory Roller	< 300 kN (Typically 7-13 tonnes)	15 m	41 m	100 m	
	> 300 kN (Typically 13-18 tonnes)	20 m	54 m	100 m	
	> 300 kN (> 18 tonnes)	25 m	68 m	100 m	
mall Hvdraulic Hammer	(300 kg - 5 to 12t excavator)	2 m	5 m	7 m	
fedium Hvdraulic Hammer	(900 kg - 12 to 18t excavator)	7 m	19 m	23 m	
arge Hvdraulic Hammer	(1600 kg - 18 to 34t excavator)	22 m	60 m	73 m	
ibratory Pile Driver	Sheet piles	20 m	50 m	100 m	
ile Boring	≤ 800 mm	2 m (nominal)	5 m	7 m	
ackhammer	Hand held	1 m (nominal)	2 m	3 m	
rofiler	Wirtgen W210	4 m	-	-	
sphalt Paver	Vogele Super 1800-3	1 m	-	-	
teel Drum Roller	Hamm HD70 (Oscillating Mode)	2 m	-	-	
teel Drum Roller	Hamm HD70 (Static Mode)	1 m	-	-	
he proposal involve	the proposal alter the noise es no alteration to the line of sure fluid traffic flow.				Yes
nfrastructure durin	result in vibration being expg operation? sal is unlikely to impact the s				Yes

Safeguards

Safeguards to be implemented are:

Noise	and vibration
N1	Works will be carried out during normal work hours (i.e. 7am to 6pm Monday to Friday; 8am to 1pm Saturdays). Any work that is performed outside normal work hours or on Sundays or public holidays must have measures in place to minimize noise impacts.
N2	Noise impacts will be assessed and mitigated in accordance with Transport Construction and Maintenance Noise Estimator (EMF-NV-TT-0067) and Transport Construction noise and vibration guidelines (for roads and maritime) 2022 (EMF-NV-GD-0056). Site specific controls will be developed and incorporated into the Construction EMP and the Community consultation plan.
N3	Measures will be implemented to minimize or prevent vibration impacts, including: allowing adequate distance that vibration producing equipment can come to buildings. using non-vibration-producing equipment.

3.4 Air quality

Table 3-5: Air quality

Description of existing environmental and potential impacts		
Is the proposal likely to result in large areas (>2ha) of exposed soils? The proposal would involve disturbance of over 3ha (30,000 m²) of soil for earthworks. This would include the clearing footprint and 'box out' of material (hard and soft landscaping works). Potential impacts associated with the amount of area likely to be exposed includes short term minor generation of air impurities such as dust and small solid particles.	Yes ⊠	No □
It is unlikely that the 3ha of exposed soils would adversely change the air quality because the work will be undertaken in a staged manner minimising the area of exposed soil at any one time.		
Are there any dust-sensitive receivers located within the vicinity of the proposal during the construction period? Potential impacts from construction are unlikely to negatively impact background air quality such that it is noticeable at the sensitive receivers. Dust may be generated during bulk earthworks at the site, but this is mitigated with standard measures such as spraying water to suppress dust.	Yes ⊠	No □
Is there likely to be an emission to air during construction? The proposed works would generate emissions to air including dust, fumes, odours, and other air borne particulates. Current emission to air in the proposal location occurs predominantly from traffic travelling along the Cobb Highway/ Hardinge Street. Potential impacts associated with works would include a higher volume of the above emissions being emitted into the air. Referring to the TfNSW Air quality management guidelines (EMF-AQ-GD-0063) activities that are expected to generate these air impurities include: • Site preparation including clearing of vegetation, removal of topsoil and demolition.	Yes ⊠	No 🗆

- Earth works, particularly rock hammering, cutting, profiling and breaking, crushing and grinding
- Movement and stockpiling of materials
- Surface grading and compaction
- Vehicle and plant movement on unsealed haul roads
- Hard and soft landscaping, including cutting pavers

Each of the above activities could have a negative impact on air emission. Vehicle, plant, and equipment emissions could be reduced through avoiding operation at or near capacity of the engine. Additionally, air quality safeguards would be implemented to reduce the above emissions to air occurring during construction.

Safeguards

Safeguards to be implemented are:

Air qu	ality
A1	Watering or covering exposed areas will be used to minimise or prevent air pollution and dust.
A2	Spraying of paint and other materials will not be carried out during strong winds or in weather conditions where high levels of dust or air borne particulates are likely.
А3	Vegetation or other materials will not to be burnt on site.
A4	Vehicles and vessels transporting waste or other materials that may produce odours or dust will be covered during transportation.
A5	Stockpiles or areas that may generate dust will be managed to suppress dust emissions in accordance with the Transport <i>Stockpile Site Management Guideline</i> (EMS-TG-10).

3.5 Aboriginal cultural heritage

Table 3-6: Aboriginal cultural heritage

Description of existing environmental and potential impacts		
Would the proposal involve disturbance in any area that has not been subject to previous ground disturbances?	Yes □	No ⊠
The proposal would be built within the previous disturbed area of the road reserve.		
Has an online Aboriginal Heritage Information Management System (AHIMS) search been completed?	Yes ⊠	No □
An online Aboriginal Heritage Information Management Systems (AHIMS) search was done on the 16 th of May 2024. The search returned no Aboriginal sites or places recorded near the proposed works. See Appendix B for attached basic AHIMS search results and PACHCI letter.		
Is there potential for the proposal to impact on any items of Aboriginal cultural heritage?	Yes □	No ⊠
The proposal has no potential to impact any known items of Aboriginal cultural heritage. The site is not located in or nearby a landscape feature that would indicate a higher likelihood of the presence of Aboriginal Sites or Places.		

It has been confirmed through the PACHCI process that there is unlikely to be any impacts on Aboriginal cultural heritage in the proposed work area.		
Would the proposal involve the removal of mature native trees? The proposal would not involve the removal of mature native trees that may have cultural modification or cultural significance.	Yes □	No ⊠
Is the proposal consistent with the requirements of Transport's <i>Procedure for Aboriginal cultural heritage consultation and investigation</i> (PACHCI)? An assessment to satisfy the Stage 1 of the PACHCI Procedure was undertaken by a Transport Aboriginal Cultural Heritage Officer (ACHO). A site visit was done on 15 September 2024 with Transport ACHOs, Environment officers and Project Manager attending. No Aboriginal objects were identified during the site visit and no concerns were raised in the field.	Yes ⊠	No □
A PACHCI Stage 1 assessment letter is attached in Appendx D.		

Safeguards

Safeguards to be implemented are:

B1 If Aboriginal heritage items are uncovered during the works, all works in the vicinity of the find must cease and the Transport Aboriginal cultural heritage officer and Senior Manager Environment and Sustainability contacted immediately. Refer to steps in the Transport Unexpected heritage items procedure (EMF-HE-PR-0076) which must be followed.

3.6 Non-Aboriginal heritage

Table 3-7: Non-Aboriginal heritage

Description of existing environmental and potential impacts				
 Have online heritage database searches been completed? The following heritage database searches have been completed on 16th May 2024: Transport (including legacy Roads and Maritime) section 170 register NSW Heritage database Commonwealth Heritage List, established under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) Maritime heritage database Australian Heritage Places Inventory Local Environmental Plan(s) heritage items. 	Yes ⊠	No □		
Are there any items of non-Aboriginal heritage or heritage conservation areas listed on relevant heritage databases/registers that are located within the vicinity of the proposal? No non-Aboriginal heritage or heritage conservation areas listed on any relevant heritage databases/registers are located within the vicinity of the proposal. The closest heritage listed building 'Public School & School Masters Residence (Peppin building)' is on George Street which is about 3 kilometres from the proposal.		No ⊠		
Is the proposal likely to impact trees that form part of a heritage listing or have other heritage value?	Yes □	No ⊠		

The heritage database search results have identified that the proposal is unlikely to impact trees that form part of a heritage listing or have other heritage value.		
Is the proposal likely to occur in or near features that indicate potential archaeological remains? As the proposal would be carried out within the existing road reserve and areas previously disturbed for road construction, no features that indicate potential archaeological remains would be within the proposed work area. Heritage database searches also confirm no records of the above.	Yes □	No ⊠

Safeguards

Safeguards to be implemented are:

Non-Aboriginal heritage H1 If unexpected heritage items are uncovered during the works, all works must cease in the vicinity of the material/find and the steps in the Transport Unexpected heritage items procedure (EMF-HE-PR-0076) must be followed.

3.7 Biodiversity

Table 3-8: Biodiversity

Description of existing environmental and potential impacts		
Have relevant database searches been carried out?	Yes ⊠	No □
Relevant databases were used to identify biodiversity that could potentially be impacted as result of the proposed works and current impacts to biodiversity in the area (i.e. weeds). The data base searches included:		
 BioNet threatened species records within the locality (e.g. 10km radius) Regional vegetation mapping and BioNet Vegetation Classificiation database (including a search by the relevant CMA/s to identify potential TECs present) NSW State Vegetation type Map (SEED) NSW WeedWise (DPI) website. Commonwealth EPBC Act Protected Matters Search Tool (PMST) NSW DPI Fisheries Spatial Data Portal. Searches were conducted between the 02 nd and 15 th of May 2024.		
Did the database searches identify any endangered ecological communities, threatened flora and/or threatened or protected fauna, or migratory species in or within the vicinity of the proposed works? Both Commonwealth and State listed matters must be considered.	Yes ⊠	No □
Protected matters search tool		
Table 3-10 below contains a summary of the results from the protected matters search of the proposal area. These results contain any nationally protected matters under the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act) that may occur in or near a selected area (proposal location).		
Protected matters search tool (PMST) results		
MNES Category Listing Proximity to Works		

Wetlands of International Importance (RAMSAR)	 Banrock Station Wetland Complex Hattah-Kulkyne Lakes NSW Central Murray State Forests Riverland The Coorong, and Lakes Alexandrina and Albert wetland 	400-500km 200-300km Within Ramsar site 300-400km 400-500km
Listed Threatened Ecological Communities (TEC's)	 Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions Grey Box (Eucalyptus microcarpa) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia Natural Grasslands of the Murray valley Plains Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains Weeping Myall Woodlands White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland 	Community likely to occur within search area.
Listed Threatened Species	41 threatened species6 critically endangered16 endangered	Species or species habitat may occur within area.
Listed Migratory species	10 migratory species1 critically endangered1 endangered	Species or species habitat may occur within area
Listed Marine species	 17 listed marine species 2 critically endangered 2 endangered see Appendix E for full search results 	Species or species habitat may occur within area.

BioNet

Threatened species previously recorded within 10 kilometres of the proposal with the potential to occur on site are listed in Table 3-11. Full lists of species identified in the locality are attached in Appendix F and Appendix G.

BioNet database records of threatened species near the project.

Scientific and common name	Status *	Listing	Distance from works
Oxyura australis Blue-billed Duck	V, P	BC ACT	<10km
Stictonetta naevosa Freckled Duck	V, P	BC ACT	<10km

Circus assimilis Spotted Harrier	V, P	BC ACT	<10km
Haliaeetus leucogaster White-bellied Sea-Eagle	V, P	BC ACT	<10km
Hieraaetus morphnoides Little Eagle	V, P	BC ACT	<10km
^^Lophoictinia isura Square-tailed Kite	V, P, 3	BC ACT	<10km
^Falco hypoleucos Grey Falcon	V, P, 2	BC ACT	<10km
Falco subniger Black Falcon	V, P	BC ACT	<10km
^Lophochroa leadbeateri Pink Cockatoo	V, P, 2	BC ACT	<10km
^^Glossopsitta porphyrocephala Purple-crowned Lorikeet	V, P, 3	BC ACT	<10km
^^Neophema pulchella Turquoise Parrot	V, P, 3	BC ACT	<10km
^^Polytelis swainsonii Superb Parrot	V, P, 3	BC ACT	<10km
^^Ninox connivens Barking Owl	V, P, 3	BC ACT	<10km
^^Tyto novaehollandiae Masked Owl	V, P, 3	BC ACT	<10km
Climacteris picumnus victoriae Brown Treecreeper (eastern subspecies)	V, P	BC ACT	<10km
Aphelocephala leucopsis Southern Whiteface	V, P	BC ACT	<10km
^Anthochaera Phrygia Regent Honeyeater	E4A, P, 2	BC ACT	<10km
Certhionyx variegatus Pied Honeyeater	V, P	BC ACT	<10km
Epthianura albifrons White-fronted Chat	V, P	BC ACT	<10km
Grantiella picta Painted Honeyeater	V, P	BC ACT	<10km
Stagonopleura guttata Diamond Firetail	V, P	BC ACT	<10km
Petrogale penicillate Brush-tailed Rock-wallaby	E1, V, P	BC ACT	<10km
Nyctophilus corbeni Corben's Long-eared Bat	V, P	BC ACT	<10km

Maireana cheelii Chariot Wheels (Plantae)	V	BC ACT	<10km
Swainsona murrayana Slender Darling Pea (Plantae)	V	BC ACT	<10km
Swainsona sericea Silky Swainson-pea (Plantae)	V	BC ACT	<10km
Amphibromus fluitans Floating Swamp Wallaby-grass	V	BC ACT	<10km

^{*}V= vulnerable

NSW Vegetation Type Map (SEED) - Plant Community Types (PCT's)

SEED mapping identifies three PCTs close to the proposal site. Most native vegetation in the landscape has been cleared for agricultural purposes. There is woodland vegetation remaining in the road and rail reserves. There are patches of woodland vegetation remaining in the agricultural landscape as well. Table 3-12 below identifies the three PCTs mapped in the study area.

Plant community types and threatened ecological communities mapped in the study area:

Vegetation Formation	Vegetation Class	PCT Name	PCTID	Associated TEC's
Grasslands	Riverine Plain Grasslands	Forb-rich Spear grass – Windmill Grass – White Top grassland of the Riverina Bioregion	44	No
Semi-arid Woodlands (Grassy sub- formation)	Inland Floodplain Woodlands	Black Box grassy open woodland wetland of rarely flooded depressions in Southwestern NSW	16	No
Forest Wetlands	Inland Riverine Forests	River Red Gum – Blackbox woodland wetland	10	No
Grasslands	Riverine Plain Grasslands	Weeping Myall open woodland of the Riverina Bioregion and NSW Southwestern Slopes	26	No
Grasslands	Riverine Plain Grasslands	Curly Windmill Grass-spear grass-wallaby grass grassland on alluvial clay on the Riverina Bioregion	46	No
Forest Wetlands	Inland Riverine Forests	River Red Gum herbaceous- grassy tall open forest wetland	5	
Semi-arid Woodlands (Grassy sub- formation)	Inland Floodplain Woodlands	Black Box – Lignum woodland wetland of the inner floodplains	13	No
Freshwater Wetlands	Inland Floodplain Swamps	Common Reed – Bushy Groundsel aquatic tail reed land grassland wetland of inland river systems	181	No

Forest Wetlands	Inland Riverine Forests	River Red Gum-sedge dominated very tall open forest in frequently flooded forest wetland along major rivers and floodplains in South-Western NSW	2	No		
Does the proposal involve pruning, trimming or removal of any tree/s? The proposal will largely be contained within the already disturbed areas of the roadside reserve. The proposal includes planting of new trees and nature strip to improve town aesthetics. No mature trees will be removed, and any vegetation removal required will need to be inspected by Transport environment staff prior to works beginning.						No ⊠
Is the proposal likely to impact nationally listed threatened species, ecological communities, or migratory species? The limited extent of earthworks outside the existing disturbed areas, including the limited vegetation impacts, means that threatened ecological communities will not be impacted. There are some threatened species in and around the study area, but the limited impact will not affect breeding or foraging opportunities. Connectivity will not be impacted, and key threatening processes will not increase or be introduced.					Yes □	No ⊠
Would the proposal require the removal of any other vegetation? The proposal will require the removal and replacement of the grassed vegeration in the nature strips.					Yes □	No ⊠
Would the proposal require the removal of any tree hollows?					Yes □	No ⊠
Are there any known areas of outstanding biodiversity value or areas mapped as 'littoral rainforest' or 'coastal wetland' under chapter 2 of SEPP (Resilience and Hazards) in or within the vicinity of the proposed work?					Yes □	No ⊠
Would the proposal provide any additional barriers to the movement of wildlife? As the proposal would be a reconstruction of the existing road there would be no construction of additional barriers to the movement of wildlife.						No ⊠
Would the proposal disturb any natural waterways or aquatic habitat?						No ⊠
Would the proposal impact (directly or indirectly) any potential microbat roosting or breeding habitat such as on bridges and culverts?						No ⊠

Safeguards

Safeguards to be implemented are:

Biodiv	Biodiversity				
F1	No mature trees will be removed as part of this proposal. All mature trees will be identified and where necessary protected with physical markings such as night line or bunting.				
F2	Where the extent of regrowth vegetation is not clear, the clearing limit will be delineated with physical markers. The markers would be placed prior to works beginning.				
F3	A pre-clearing survey would be done by Transport environment officers or by suitably qualified environment staff. This pre-clearing survey would be done at the beginning of each stage of the works or prior to any clearing occurring.				
F4	Weeds would be identified prior to the work beginning and a weed management plan would be developed to ensure weeds are not spread within or from the proposal area.				

3.8 Traffic and transport

Table 3-9: Traffic and transport

Description of existing environmental and potential impacts				
Is the proposal likely to result in detours or disruptions to traffic flow (vehicular, cycle and pedestrian) or access during construction?	Yes ⊠	No □		
The proposal includes excavating and rebuilding the existing road and roadside. This requires altering existing traffic so that construction can occur on the existing road while limiting impacts to traffic as far as possible. Options for managing traffic during construction include a range of option from slowing traffic with slight temporary alignment changes to detouring traffic away from the construction zone. A range of traffic control methods will be employed for this project with consideration being given to the impacts on through traffic and local traffic. Impacted residents and business will be consulted in the development of the traffic management strategy. There are no planned detours for the through traffic, for the proposal. Traffic will be managed through Hardinge Street during construction works between Wood Street and Harfleur Street, considering noise and other environmental factors with residential properties in mind. Alternative temporary access to the businesses on Hardinge Street could be provided through other streets and this will be detail in the project Traffic Guidance Schemes and mitigation measures will be incorporated in the Construction environment management plan and the Community consultation plan.				
Is the proposal likely to result in detours or disruptions to traffic flow (vehicular, cycle and pedestrian) or access during operation?	Yes □	No ⊠		
Is the proposal likely to affect any other transport nodes or transport infrastructure (e.g., bus stops, bus routes) in the surrounding area? Or result in detours or disruptions to traffic flow (vehicular, cycle and pedestrian) or access during operation? No detours	Yes □	No ⊠		

Safeguards

Safeguards to be implemented are:

Traffic	
T1	Where possible, current traffic movements and property accesses will be maintained during the works. Any disturbance will be minimised to prevent unnecessary traffic delays.
T2	A traffic guidance scheme will be prepared in accordance with Transport <i>Traffic control at work sites manual</i> (version 6.1, 2022) and Australian Standard 1742.3 <i>Manual of uniform control devices.</i>

3.9 Socio-economic

Table 3-10: Socio-economic

Description of existing environmental and potential impacts				
Is the proposal likely to impact on local business? Local businesses would be impacted during construction activities by losing direct access to their businesses through Hardinge Street. Traffic disruptions, including interruptions to business and residents access, will be limited as far as reasonably possible. Traffic management will take into consideration a range of factors including traffic safety, construction worker safety, impacts to business, the general public and potential impacts to local residents. Possible traffic diversions are planned by incorporating alternate access ways/ routes to these businesses during construction activities. Final details for alternative access to businesses and residences would be developed in consultation with the impacted stakeholders. Access to the businesses on Hardinge Street could be provided through other streets such as:	Yes ⊠	No □		
Purtills Group Rodwell Deniliquin Beaurepaires Deniliquin Purtills Vehicle Hire Purtills Car & Truck Wash Purtills Fuel Station Access to the businesses mentioned above and through to the 'Depot Historical Collection' can be provided through the existing gate on Ochtertyre Street. Purtills Vehicle hire and yard – access through Macauley Street entrance. Deniliquin Rams Football - Access through Ochtertyre Street entrance during construction activities. Harvey Trotter Engineering -can be accessed via Ochtertyre Street and unsealed road behind Purtills. Murray Irrigation Depot - access through Wood Street entrance Coles Shopping Centre - proposal is to use the private property next to Wood Street to provide access ways (Entry/ Exit) to the shopping centre during construction activities. Harvey Norman & Mitre 10 -access though Harfleur Street entrance				
Is the proposal likely to require any property acquisition? No property acquisition is required as all works would be done in the current road corridor.	Yes □	No ⊠		
Is the proposal likely to alter any access for properties (either temporarily or permanently)? Stage 01 works (between Ochtertyre Street and Wood Street):	Yes ⊠	No □		

• 2 residences would lose direct access to their properties for a limited timeframe from Hardinge Street.

Stage 02 works (between Wood Street and Harfleur Street)

 Properties on Hardinge Street would potentially lose direct access during Stage 02 works for a limited period, especially during pavement reconstruction.

Wherever possible, property accesses will be maintained during the works. The work zones would be set up accordingly to ensure access wherever possible.

Some residents will have permanently changed access conditions because they may lose access to or from the property in one direction. This is because there will be new traffic medians that restrict access across the centreline of the highway. This could add travel time for some residents depending on the desired path of travel.

Is the proposal likely to alter any on-street parking arrangements (either temporarily or permanently)?

On-street parking will be limited on Hardinge Street during the construction activities due to the proposed traffic management and the works.

Permanent changes to on-street parking will include loss of parking area. Approximately 600 lineal metres of parking would be lost post-construction. Refer to Appendix I for detailed kerbside parking plan. In some areas of Hardinge Street this includes loss of all on street parking. In other areas of Hardinge Street there will be a reduction in the amount of available on street parks. This is necessary to ensure road safety by including channelization, and other safety improvements. The following table explains the impacts and alternate parking for residents affected.

Address	Off street parking	Current on street parking	Losing on street parking	Alternative on street parking	Comments
131 Hardinge St	Yes	Yes	Yes	Sloane St	Has rear yard access and on street parking on Sloan Street. Some parking retained on Hardinge St but will be removed from directly in from of house.
129 Hardinge St	Yes	Yes	No	Sloane St	Parking immediately out the front of house retained. Creswick Ln also possible for rear yard access.
400 Wood St	Yes	Yes	Yes	Wood Street	Vacant block that faces wood street.
119 Hardinge St	Yes	Yes	Yes	Wood St	1 park removed immediately out the front of house. Nearby parking retained.
117 Hardinge St	Yes	Yes	No	N/A	
115 Hardinge St	Yes	Yes	No	N/A	Hussey Lane for rear yard access
113 Hardinge St	Yes	Yes	No	N/A	Off street parking via Hussey Lane
111 Hardinge St	Yes	Yes	Yes	Henry Street	Parking out the front of house will be removed. Parking remaining further

Yes ⊠

No □

					south on Hardinge St or on Henry St (50m).		
109 Hardinge St	Yes	Yes	Yes	Henry Street	Existing rear yard access from Henry Street and adjacent access on Henry Street available		
105 Hardinge St	No	Yes	Yes	Henry Street	Existing rear yard access via Henry St and adjacent Henry Street		
103 Hardinge St	Yes	Yes	Yes	Parking on median	Commercial business (Parts Central) -		
101 Hardinge St	Yes	Yes	No	N/A	Reduced options for parking but retained immediately out the front.		
99 Hardinge St	Yes	Yes	Yes	Holden Ct	Parking out the front of house removed but house is adjacent Holden Ct.		
93 Hardinge St	Yes	Yes	Yes	Holden Ct	House adjacent Holden Ct. Existing rear yard access off Holden Ct. Some parking retained but not immediately in front of house.		
400 Harfleur St	Yes	Yes	Yes	Harfleur St	House faces Harfleur St which has on street parking. Rear yard and off-street parking maintained from Hardinge street.		
o about Harve section of Hard Mitre 10 and Ha depot also has	y Trotter (linge Stre arvey Nor off street stern side	General Enget will need man have of parking averting	gineering. C d to find alte off street cus ailable for li	lients of the con ernative parking stomer car parki ght and heavy v	rom Harfleur Steer south nmercial business in this . The Deniliquin Plaza, ing. The Murray Irrigation rehicles. The loss of pact residents and		
temporarily or New concrete r movements for	permane medians a pedestria rements a	ntly)? and pedestr ans once th and access	rian crossing le project is will tempora	gs would ensure completed. Duri arily change in a	permanent safer ng construction, ccordance with the	Yes ⊠	No 🗆
either tempora The Deniliquin	arily or pe Football (he impac	ermanently Club would t will be ver)? lose direct a ry limited as	access from Har	l value to the community dinge Street during rough Ochtertyre Street	Yes ⊠	No □

could be used as an alternate entry/ exit.

Direct access to 'Coles & Community shopping centre' would be limited during construction activities, however alternative access via Wood Street through private property, is an optional route that would be discussed with impacted business and residents.		
Is the proposal likely to reduce or change visibility of any businesses, farms, tourist attractions or the like (either temporarily or permanently)? The proposal is unlikely to reduce of change the visibility of any businesses or the like. The visibility should be improved once the project is delivered due to the beautification works involved in the proposal.	Yes □	No ⊠
Is the proposal likely to impact trees planted by a community group, Landcare group or by council or a tree that is a memorial or part of a memorial group e.g., has a plaque?	Yes □	No ⊠
Is the proposal likely to impact trees that form part of a streetscape, an avenue or roadside planting?	Yes □	No ⊠

Safeguards

Safeguards to be implemented are:

Socio	economic and Community consultation
C1	Notification will be given to affected community members prior to the works taking place. The notification is to include: details of the proposal duration of works and working hours changed traffic or access arrangements. how to lodge a complaint or obtain more information contact name and details. Notification should be a minimum of 7 calendar days prior to the start of works.
C2	All complaints will be recorded on complaints register and attended to promptly.
C3	Access for nearby and adjoining properties is to be maintained at all times during the works unless otherwise agreed to by the affected property owner. Access will be maintained at all times and alternative temporary access will be in put place in consultation with the affected stakeholders.
C4	The community must be notified of all work outside standard hours which have the potential to impact noise-sensitive receivers. Notification zones must be determined using the <i>Construction and Maintenance Noise Estimator</i> (EMF-NV-TT-0067). Notification requirements must comply with Transport Construction noise and vibration guidelines (for roads and maritime) 2022 (EMF-NV-GD-0056).

3.10 Landscape character and visual amenity.

Table 3-11: Landscape character and visual amenity

Description of existing environmental and potential impacts		
Is the proposed work over or near an important physical or cultural element or landscape? (For example, heritage items and areas, distinctive or historic built form, National Parks, conservation areas, scenic highways etc.)	Yes □	No ⊠
Would the proposal obstruct or intrude upon the character or views of a valued landscape or urban area? (For example, locally significant topography, a rural landscape or a park, a river, lake, or the ocean or a historic or distinctive townscape or landmark)	Yes □	No ⊠
Would the proposal require the removal of mature trees or stands of vegetation, either native or introduced?	Yes □	No ⊠
Would the proposal result in large areas of shotcrete visible from the road or adjacent properties?	Yes □	No ⊠
Would the proposal involve new noise walls or visible changes to existing noise walls?	Yes □	No ⊠
Would the proposal involve the removal or reuse of large areas of road corridor, landscape, either verges or medians? All the existing concrete medians within the proposal are to be removed and replaced, with additional medians proposed to ensure road safety.	Yes ⊠	No □
The proposal includes reconstruction of road pavement, parking areas, soft and hard landscaping (nature strip, plantation, concrete pavements, etc). There will be short term negative impacts during construction, but the roadside character will be improved in the long term.		
Would the proposal involve substantial changes to the appearance of a bridge (including piers, girders, abutments, and parapets) that are visible from the road or residential areas?	Yes □	No ⊠
If involving lighting, would the proposal create unwanted light spillage on residential properties at night (in construction or operation)?	Yes □	No ⊠
Would any new structures or features to be constructed, result in over shadowing to adjoining properties or areas?	Yes □	No ⊠

Safeguards

No additional safeguards.

3.11 Waste

Table 3-12: Waste

escription of exi	sting environm					
	J	ental and	potential impacts			
s the proposal lik non-contaminate		e >200 tor	nnes of waste materia	al (contaminated and /or	Yes ⊠	No E
An estimate of 'box out' material that would be excavated is approximately 8,500m³. This equates to around 13,000 metric tonnes of re-usable spoil. Re-usable material to be stockpiled and maintained in accordance with the 'TfNSW Waste Management Guidelines'. Refer to section 2.1.4. Ancillary Facilities for the ERC Stockpile location on Macauley Street.						
asphalt wearing c etc; would be disp be disposed of at Road, Deniliquin, I	course, drainage cosed offsite. O the agreed Wa NSW 2710). Wa ude General Sc	e connecti ther waste ste facility ste classi blid Waste	e that is not able to be (Deniliquin Resource ications likely to be of (putrescible), Genera	ncrete kerb & pavements, e recovered would likely e Recovery centre, Hay lisposed of at a licensed		
eprocessed, or re	ecycled and for	which lar	r materials that canno dfill is the most feasi s form (EMF-WM-GD-	ble disposal option as		
The proposal would minimise excavation and reduce unnecessary removal of existing vegetation where feasible. Where possible, excavated natural material (ENM) would be separated and retained for re-use on-site after construction to allow for natural soils and nutrients to be returned to the site and re-establishment of local vegetation.						
Waste Definitions	and Classifica	ntions of p	roposal area.			
	Waste de	efinition		Waste Classification		
Waste Source	Category	Type	Sub-type			
Construction and demolition waste	Building and demolition	Spoil	Asphalt, Bituminous waste	General solid waste (non-putrescible)		
	materials					
Construction and demolition waste		Spoil	Rock and/gravel material such as asphalt and road base	General solid waste (non-putrescible)		
Construction and demolition	materials Building and demolition	Spoil Spoil	material such as asphalt and road			
Construction and demolition waste Construction and demolition	materials Building and demolition materials Building and demolition		material such as asphalt and road base	(non-putrescible) General solid waste		

Is the proposal likely to require the removal of asbestos?	Yes □	No ⊠	

Safeguards

Safeguards to be implemented are:

Waste	emanagement
M1	A Waste Management Plan will be prepared that follows the Transport Waste management guideline (EMF-WM-GD-0055).
M2	 Resource management hierarchy principles will be followed: avoid unnecessary resource consumption as a priority. avoidance is followed by resource recovery (including reuse of materials, reprocessing, recycling, and energy recovery) disposal is undertaken as a last resort. this is in accordance with the Waste Avoidance and Resource Recovery Act 2001.
М3	If vegetation is to be mulched and transported off site for beneficial reuse, it will be assessed for the presence of weeds, pest, and other disease and a Mulch Management Plan prepared in accordance with the NSW EPA Mulch Order and Exemption .
M4	Bulk project waste (e.g. fill) sent to a site not owned by Transport (excluding EPA licensed landfills and resource recovery facilities) is to have prior formal written approval from the landowner, in accordance with Transports <i>Waste management guideline</i> (EMF-WM-GD-0055) and templates EMF-WM-TT-0098 and EMF-WM-TT-0127. This includes waste transported for reuse, recycling, disposal, or stockpiling.
M5	There is to be no disposal or re-use of construction waste on to other land.
M6	Waste is not to be burnt on site.
M7	Waste material, other than vegetation and tree mulch, is not to be left on site once the works have been completed.
M8	Working areas are to be maintained, kept free of rubbish, and cleaned up at the end of each working day.

3.12 Climate change and greenhouse gas emissions

Table 3-13: Climate change and greenhouse gas emissions

Description of existing environmental and potential impacts		
Is the proposal located in an area likely to be permanently or tidally inundated in the future or subject to increased duration and intensity of flooding?	Yes □	No ⊠
Have opportunities for reduced energy consumption during construction and operation been considered.	Yes ⊠	No □
Opportunities for reduced energy consumption during construction and operation have been considered through actions such as material selection, local suppliers, and construction staff to conduct the works using the required plant, etc. Material recovery		

would also be practiced on site minimising the number of new construction materials to be used in the works.	

Safeguards

No additional safeguards.

3.13 Cumulative impact

Table 3-14: Cumulative impact

Description of existing environmental and potential impacts		
Are there other projects and developments in the study area which could add to potential impacts in both construction and operation?	Yes □	No ⊠
There would be no other projects and developments in the study area which could add to potential impacts in both construction and operation.		

Safeguards

No additional safeguards.

4. Summary of safeguards and environmental management measures

4.1 Safeguards and environmental management measures

This section provides a summary of the site-specific environmental safeguards and management measures identified in described in chapter 3 of this minor works REF. These safeguards will be implemented to reduce potential environmental impacts throughout construction and operation. A framework for managing the potential impacts is provided with reference to environmental management plans and relevant Transport QA specifications. Any potential licence and/or approval requirements required prior to construction are also listed.

Table 4-1: Summary of site-specific safeguards for proposed work

Factor	Safeguards
¨αŘį	
E1	 Erosion and sediment control measures will be implemented and maintained to: prevent sediment moving off-site and sediment laden water entering any water course, drainage lines, or drain inlets. reduce water velocity and capture sediment on site. minimise the amount of material transported from site. divert clean water around the site. (in accordance with the Landcom/Department of Housing Managing Urban
	Stormwater, Soils and Construction Guidelines (the Blue Book)).
E2	Erosion and sedimentation controls will be checked and maintained on a regular basis (including clearing of sediment from behind barriers) and records kept and provided on request.
E3	Erosion and sediment control measures will not be removed until the works are complete, and areas stabilized.
E4	A progressive erosion and sediment control plan will be prepared for the works.
E5	The maintenance of established stockpile sites will be in accordance with the Transport Stockpile Site Management Guideline (EMS-TG-10) (2015).
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N1	Works will be carried out during normal work hours (i.e. 7am to 6pm Monday to Friday; 8am to 1pm Saturdays). Any work that is performed outside normal work hours or on Sundays or public holidays must have measures in place to minimize noise impacts.
N2	Noise impacts will be minimized in accordance with Transport Construction and Maintenance Noise Estimator (EMF-NV-TT-0067) and Transport Construction noise and vibration guidelines (for roads and maritime) 2022 (EMF-NV-GD-0056). Site specific controls will be developed and incorporated into the Construction EMP and the Community consultation plan.
N3	Measures will be implemented to minimize or prevent vibration impacts, including:

	 allowing adequate distance that vibration producing equipment can come to buildings. using non-vibration-producing equipment or within the limits as stated on Noise Estimator report.
ĔĮ§╡‰ĕj⊙	
A1	Measures (including watering or covering exposed areas) will be used to minimise or prevent air pollution and dust.
A2	Works (including the spraying of paint and other materials) will not be carried out during strong winds or in weather conditions where high levels of dust or air borne particulates are likely.
А3	Vegetation or other materials will not to be burnt on site.
A4	Vehicles and vessels transporting waste or other materials that may produce odours or dust will be covered during transportation.
A5	Stockpiles or areas that may generate dust will be managed to suppress dust emissions in accordance with the Transport <i>Stockpile Site Management Guideline</i> (EMS-TG-10).
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B1	If Aboriginal heritage items are uncovered during the works, all works in the vicinity of the find must cease and the Transport Aboriginal cultural heritage officer and Senior Manager Environment and Sustainability contacted immediately. Refer to steps in the Transport <i>Unexpected heritage items procedure</i> (EMF-HE-PR-0076) which must be followed.
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H1	If unexpected heritage items are uncovered during the works, all works must cease in the vicinity of the material/find and the steps in the Transport <i>Unexpected heritage items procedure (EMF-HE-PR-0076)</i> must be followed.
; ĬœĐĚ ♣ -┤╓≝️☺	
F1	No mature trees will be removed as part of this proposal. All mature trees will be identified and where necessary protected with physical markings such as night line or bunting.
F2	Where the extent of regrowth vegetation is not clear, the clearing limit will be delineated with physical markers. The markers would be placed prior to works beginning.
F3	A pre-clearing survey would be done by Transport environment officers or by suitably qualified environment staff. This pre-clearing survey would be done at the beginning of each stage of the works or prior to any clearing occurring.
F4	Weeds would be identified prior to the work beginning and a weed management plan would be developed to ensure weeds are not spread within or from the proposal area.
Traffic and transport	

T1	Where possible, current traffic movements and property accesses will be maintained during the works. Any disturbance will be minimised to prevent unnecessary traffic delays.
T2	A traffic guidance scheme will be prepared in accordance with Transport <i>Traffic</i> control at work sites manual (version 6.1, 2022) and Australian Standard 1742.3 <i>Manual of uniform control devices.</i>
Socio-economic	
C1	Notification will be given to affected community members prior to the works taking place. The notification is to include: details of the proposal duration of works and working hours changed traffic or access arrangements. how to lodge a complaint or obtain more information contact name and details. Notification should be a minimum of 7 calendar days prior to the start of works.
C2	All complaints will be recorded on complaints register and attended to promptly.
C3	Existing access for nearby and adjoining properties is to be maintained at all times during the works unless otherwise agreed to by the affected property owner.
C4	The community must be notified of all work outside standard hours which have the potential to impact noise-sensitive receivers. Notification zones must be determined using the <i>Construction and Maintenance Noise Estimator</i> (EMF-NV-TT-0067). Notification requirements must comply with Transport <i>Construction noise and vibration guidelines</i> (for roads and maritime) 2022 (EMF-NV-GD-0056).
Waste	
M1	A Waste Management Plan will be prepared that follows the Transport <i>Waste management guideline</i> (EMF-WM-GD-0055).
M2	Resource management hierarchy principles will be followed: • avoid unnecessary resource consumption as a priority • avoidance is followed by resource recovery (including reuse of materials, reprocessing, recycling, and energy recovery) • disposal is undertaken as a last resort. (in accordance with the Waste Avoidance and Resource Recovery Act 2001).
M3	If vegetation is to be mulched and transported off site for beneficial reuse, it will be assessed for the presence of weeds, pest, and other disease and a Mulch Management Plan prepared in accordance with the NSW EPA Mulch Order and Exemption .
M4	Bulk project waste (e.g. fill) sent to a site not owned by Transport (excluding EPA licensed landfills and resource recovery facilities) is to have prior formal written approval from the landowner, in accordance with Transports <i>Waste management guideline</i> (EMF-WM-GD-0055) and templates EMF-WM-TT-0098 and EMF-WM-TT-0127. This includes waste transported for reuse, recycling, disposal, or stockpiling.
M5	There is to be no disposal or re-use of construction waste on to other land.

M6	Waste is not to be burnt on site.
M7	Waste material, other than vegetation and tree mulch, is not to be left on site once the works have been completed.
M8	Working areas are to be maintained, kept free of rubbish and cleaned up at the end of each working day.

4.2 Licensing and approvals

Table 4-2: Summary of licensing and approvals required.

Instrument	Requirement	Timing
Crown Land Management Act 2016 (Divisions 3.4, 5.5 and 5.6)	Not required	Prior to start of the activity.

4.3 Other requirements

Table 4-3: Other requirements

Requirement		
Environmental management plan sent to SMES or their delegate (ESL) for review.	Yes ⊠	No □

5. Certification, review and determination

5.1 Certification

This minor works REF provides a true and fair review of the proposal in relation to its potential effects on the environment. It addresses, to the fullest extent possible, all matters affecting or likely to affect the environment as a result of the proposal.

Prepared by:

Signature

-DocuSigned by:

Michael Eddie

-058F4967AA3E4E7...

Name: Michael Eddie

Position: Program Manager

Company name: Edward River Council

Date: 20/05/2024

Minor works REF reviewed by:

Signature

MARCO

Name: Cassie King

Position: Environment and Sustainability Officer

Company name: Transport for NSW

Date: 28/04/2025

5.2 Environment and sustainability staff review

The minor works REF has been reviewed and considered against the requirements of sections 5.5 and 5.7 of the EP&A Act.

In considering the proposal this assessment has examined and taken into account to the fullest extent possible, all matters affecting or likely to affect the environment by reason of that activity as addressed in the minor works REF and associated information. This assessment is considered to be in accordance with the factors required to be considered under section 171 of the Environmental Planning and Assessment Regulation 2021.

The proposal described in this minor works REF will have some environmental impacts which can be ameliorated satisfactorily. Having regard to the safeguards and management measures proposed, this assessment has considered that these impacts are unlikely to be significant and therefore an approval for the proposal does not need to be sought under Division 5.2 of the EP&A Act.

The assessment has considered the potential impacts of the activity on areas of outstanding value and on threatened species, ecological communities or their habitats for both terrestrial and aquatic species as defined by the *Biodiversity Conservation Act 2016* and the *Fisheries Management Act 1994*.

The proposal described in the minor works REF will not affect areas of outstanding value. The activity described in the minor works REF will not significantly affect threatened species ecological communities or their habitats. Therefore, a species impact statement is not required.

The assessment has also addressed the potential impacts of the activity on matters of national environmental significance and any impacts on the environment of Commonwealth land and concluded that there will be no significant impacts. Therefore, there is no need for a referral to be made to the Australian Government Department of Climate Change, Energy, the Environment and Water for a decision by the Commonwealth Minister for the Environment on whether assessment and approval is required under the Environment Protection and Biodiversity Conservation Act 1999.

The minor works REF is considered to meet all relevant requirements.

Date:

5.3 Environment and Sustainability staff recommendation

It is recommended that the proposal to reconstruct Hardinghe Street from Ochtertyre to Harfleur Streets in Deniliquin NSW as described in this minor works REF proceed subject to the implementation of all safeguards identified in the minor works REF and compliance with all other relevant statutory approvals, licences, permits and authorisations.

The minor works REF has examined and taken into account to the fullest extent possible all matters likely to affect the environment by reason of the activity in accordance with the EP&A Act, EP&A Regulation and the Guidelines approved under clause 170 of the EP&A Regulation. The minor works REF has established that the activity is not likely to significantly affect the environment or threatened species, ecological communities or their habitats.

The minor works REF has concluded that there will be no significant impacts on matters of national environmental significance or any impacts on the environment of Commonwealth land.

If the proposal has not commenced within two years of the determination date the SMES must be consulted to identify any new or updated assessment or approval requirements.

Recommended by: Noted by:

Signature ML/Sids— Signature

Name: Michael Suidgeest Name: Jason Myers

Position: Environment and Sustainability Position: Project Manager Manager

16.04.2025 Date: 17-04-2025

5.4 Decision statement

In accordance with the above recommendation, I certify that I have reviewed and endorsed the contents of this minor works REF, and to the best of my knowledge, it is in accordance with the EP&A Act, the EP&A Regulation and the Guidelines approved under Section 170 of the EP&A Regulation, and the information is neither false nor misleading.

I determine that Transport for NSW may proceed with the activity.

Signature Aller Chung

Name: Stephen Onions

Position: Senior Manager Project Services South, TfNSW

Date: 5th May, 2025

5.5 EP&A Regulation publication requirement

Table 5-1: EP&A Regulation publication requirement

Requirement		
Does this minor works REF need to be published under section 171(4) of the EP&A Regulation?	Yes ⊠	No □

Appendix A: Consideration of State and Commonwealth environmental factors

Environmental Planning and Assessment Regulation 2021 section 171(2) factors

The following factors, listed in section 171(2) of the Environmental Planning and Assessment Regulation 2021, have been considered to assess the likely impacts of the proposal on the natural and built environment. This consideration is required to comply with sections 5.5 and 5.7 of the EP&A Act.

Table A1: Consideration of section 171 of the EP&A Regulation factors

Fa	ctor	Description of impact	Duration and extent		
a)	Environmental impact on the community.	The proposed works would cause minor environmental impact on the community through noise, air and traffic impacts. Sensitive receivers located in the vicinity of the works would be most effected by noise and air pollution. Traffic delays are expected to impact the community and sensitive receivers temporarily adding minor delays to transit times.	Negative, short-term, minor.		
b)	The transformation of the locality.	Transformation of the locality would be limited to roadside vegetation clearing within the road corridor. Other transformation of the locality would include installation of a compound site at the west end of Garoolgan rest area.	Negative, short-term, minor.		
c)	Any environmental impact on the ecosystems of the locality.	There will be limited impact on vegetation and some habitat but this will not impact ecosystem function.	Nil		
d)	Any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality.	The proposal is not expected to have any reduction of the aesthetic, recreational, scientific or other environmental quality or value of a locality in the area due to the minor extent of the works within the current road corridor.	Nil		
e)	Any effect on any locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value for present or future generations.	Searches conducted in section 3.5 and 3.6 of this reportconfirm that there would be no locality, place or building having aesthetic, anthropological, archaeological, architectural, cultural, historical, scientific or social significance or other special value within the vicinity of the proposed works.	Nil		

Fac	ctor	Description of impact	Duration and extent
f)	Any impact on the habitat of protected fauna (within the meaning of the Biodiversity and Conservation Act 2016).	There is minor vegetation removal required for the proposal. This vegetation is habitat for native fauna but the impact will be limited to vegetation that is growing in previously disturbed areas.	Minor, negative.
g)	Any endangering of a species of animal, plant or other form of life, whether living on land, in water or in the air.	The proposal would not endanger any species of animal, plant or other form of life, whether living on land, in water or in the air due the minor nature of the works and minimal impact to surrounding environments.	Nil
h)	Any long-term effects on the environment	The proposal is not expected to have any long term effects on the environment. The proposed works would reinsate the area once complete.	Nil
i)	Any degradation of the quality of the environment.	The proposal would have minor short term impacts but these road building activities would be limited to the road reserve. Impacts outside the construction period and the construction footprint are unlikely.	Nil
j)	Any risk to the safety of the environment.	The proposed works would improve road user safety in regard to Transports Network Performance Measures and Network Planning Targets.	Positive, long-term, minor.
k)	Any reduction in the range of beneficial uses of the environment.	Beneficial uses would be temporarily impacted by the proposed works through lane closures, installation of traffic control measures and establishment of a construction compound site.	Negative, short-term, minor.
l)	Any pollution of the environment.	Pollution of the environment as result of the proposed works would be limited to noise and air pollution.	Negative, short-term, minor.
m)	Any environmental problems associated with the disposal of waste	Waste generated by the proposed works will be reused, reprocessed, recycled or recoverd for use on the proposal site or other transport related projects. Waste that is unable to meet the above criteria would be disposed of at the designated licensed waste facility	Nil
n)	Any increased demands on resources (natural or otherwise) that are, or are likely to become, in short supply.	Resources that would be used for the proposal are unlikely to become in short supply as result of the works. The main resources that would be used for the proposal is road base materials. A large amount of repurposed excavated public road material would be used in other constructiopn activities potentially fill 'box out' areas if feasible.	Nil
0)	The cumulative environmental	There are no other major developments planned near the project that Transport are aware of.	Nil

Fa	ctor	Description of impact	Duration and extent
	effect with other existing or likely future activities.	Transport has no other major projects planned for the area.	
p)	Any impact on coastal processes and coastal hazards, including those under projected climate change conditions.	Coastal processes and coastal hazards, including those under projected climate change conditions are not relevent at this site.	Nil
q)	Applicable local strategic planning statements, regional strategic plans or district strategic plans made under the Act, Division 3.1	The proposal aligns with the applicable planning statements of the Hardinge Street Reconstruction project. Including the aspirations for current and future infrastructure such as point 4.1 to have an improved and appropriately maintained road network, 4.1.1 maximise opportunities to upgrade the local and regional road network and 4.1.2 plan and undertake road maintenance and upgrades	Long-term, positive.
r)	Other relevant environmental factors	None	N/A

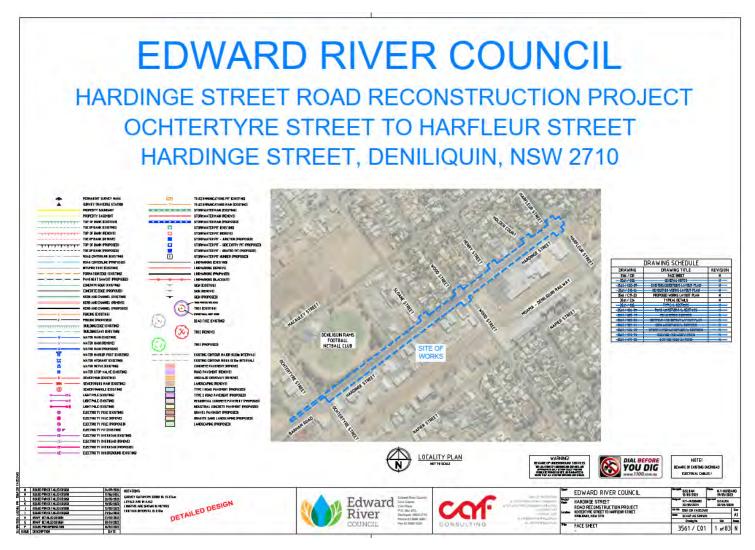
Matters of National Environmental Significance

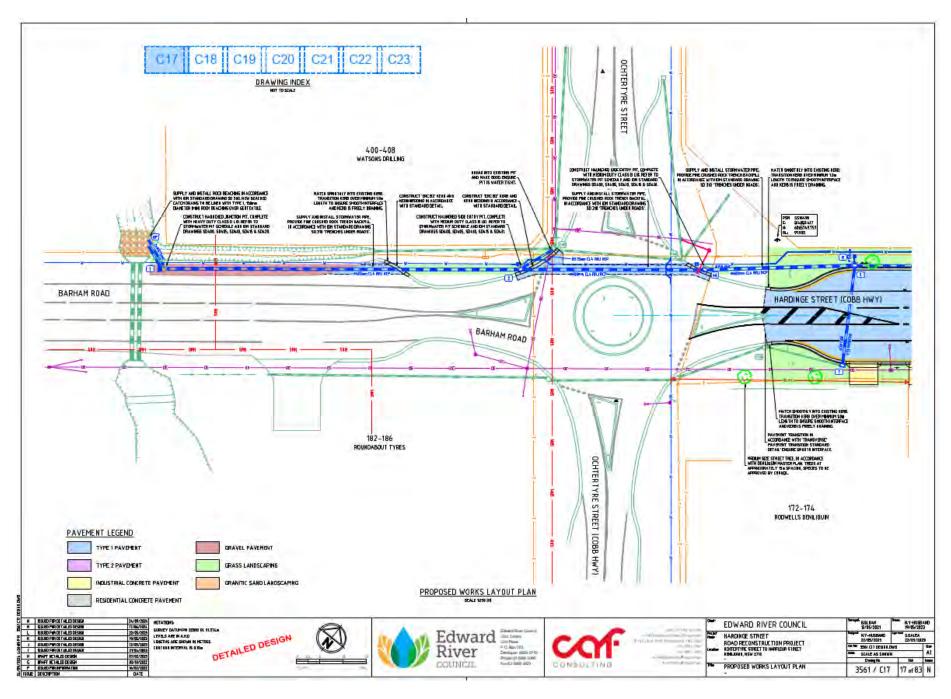
Table A2: Matters of national environmental significance

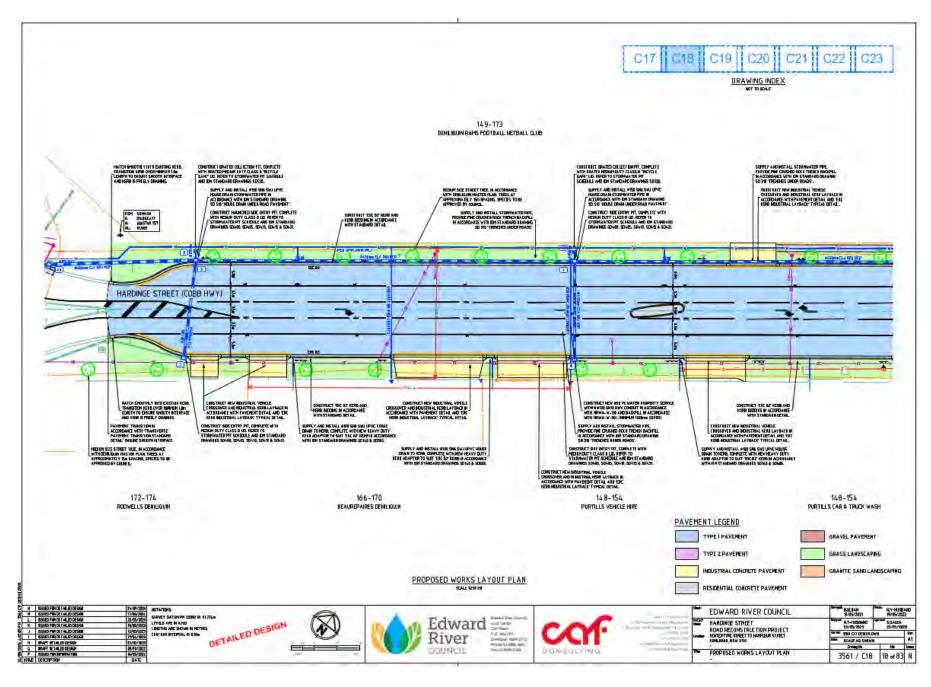
Env	ironmental factor	Impact
a)	Any impact on a World Heritage property?	Nil
b)	Any impact on a National Heritage place?	Nil
c)	Any impact on a wetland of international importance (often called 'Ramsar' wetlands)?	Nil
d)	Any impact on nationally threatened species, ecological communities or migratory species?	Nil
e)	Any impact on a Commonwealth marine area?	Nil
f)	Does the proposal involve a nuclear action (including uranium mining)?	Nil
Add	litionally, any impact (direct or indirect) on the environment of Commonwealth	Nil

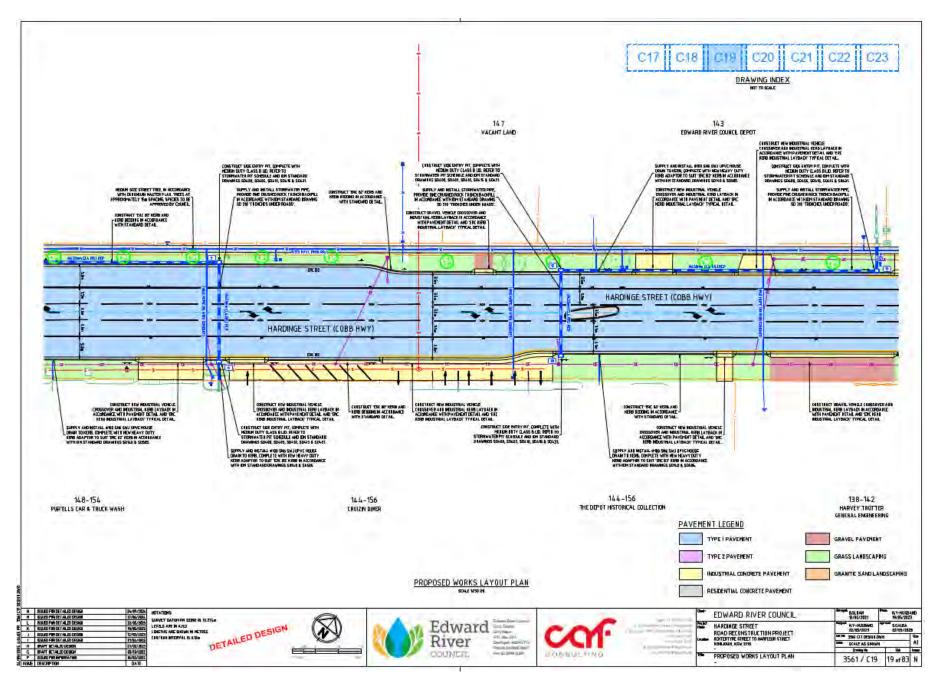
Appendix B: Project Proposal or Site Details

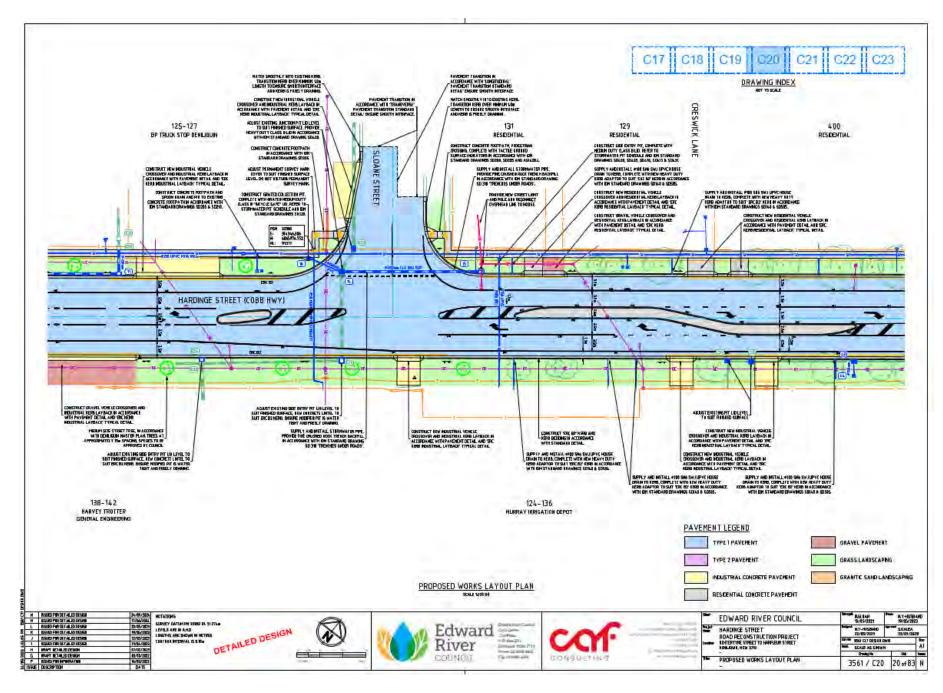
The proposed layout plan attached is the latest revision (Civil DWG Set Rev-N). Any changes to the document will be updated and distributed as required.

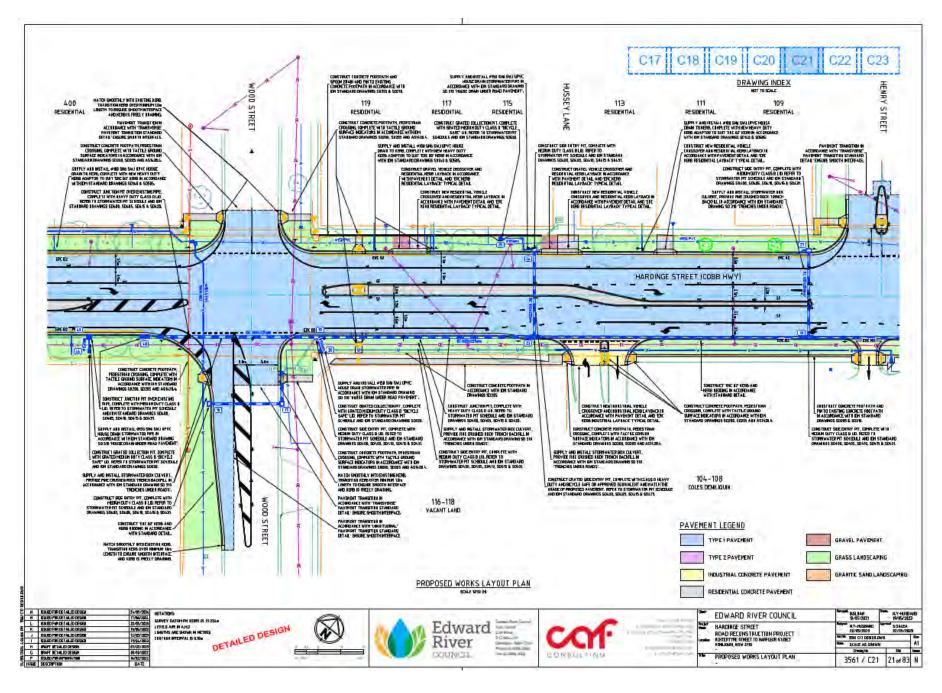


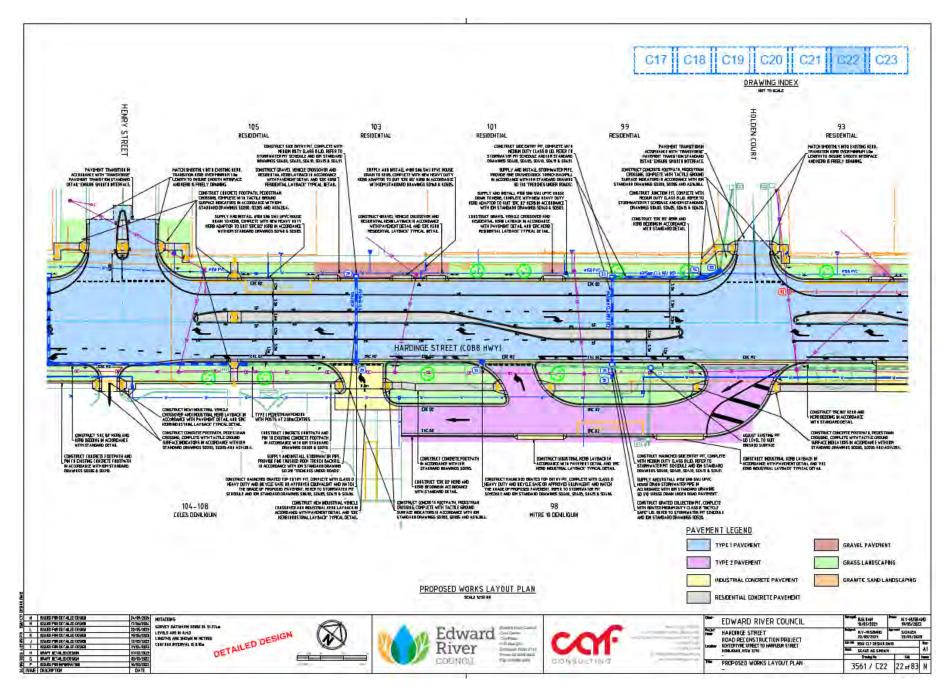


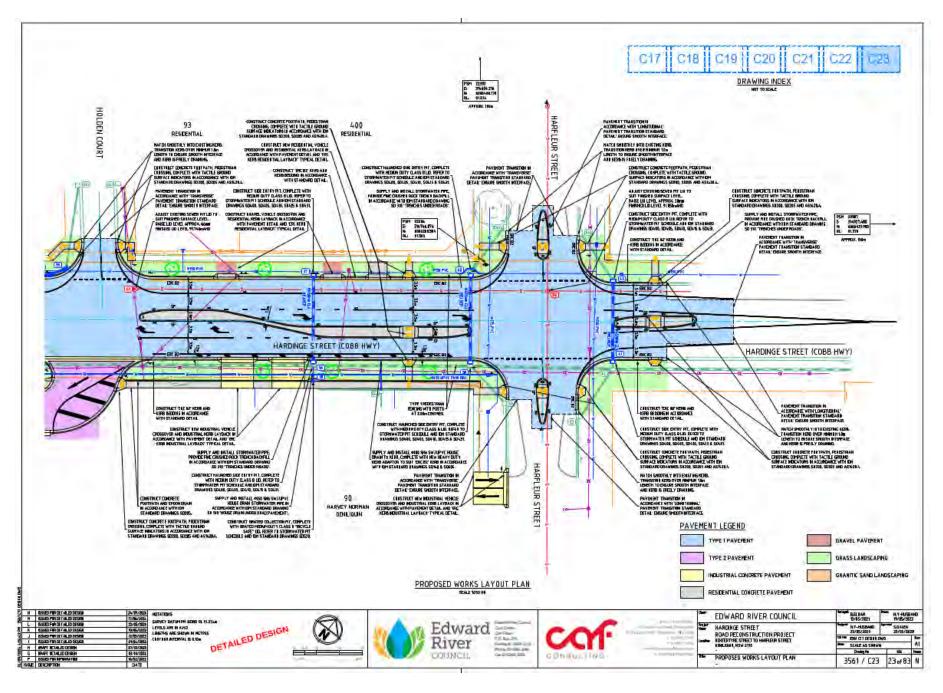


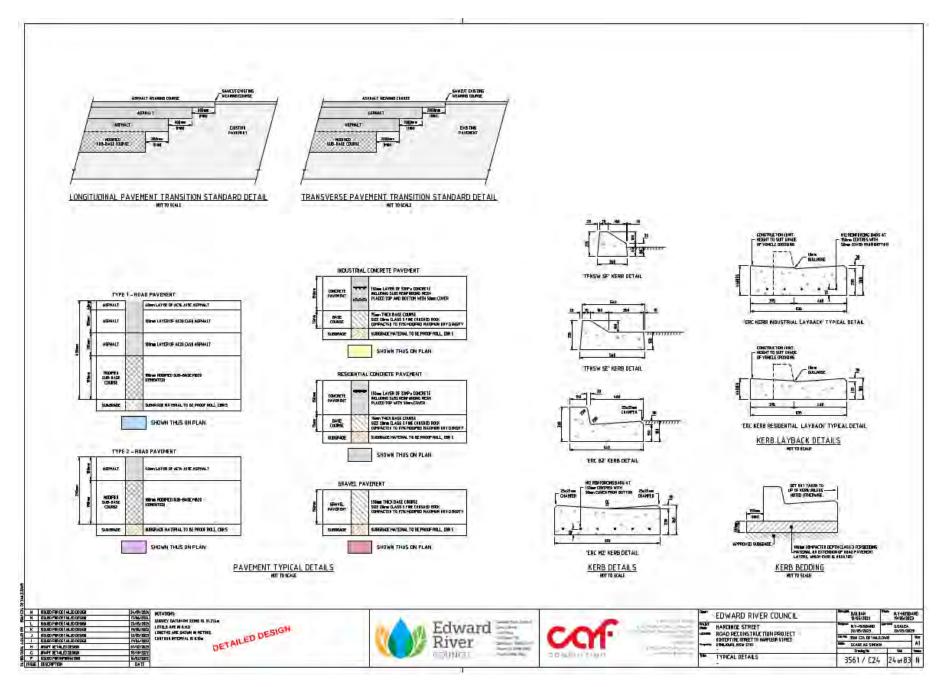












Appendix C: Basic AHIMS Search and PACHCI Assessment Letter



Your Ref/PO Number : Hardinge Street Client Service ID : 892846

Date: 16 May 2024

Dilip Reddy Boppidi

208 WANDERER STREET

DENILIQUIN New South Wales 2710

Attention: Dilip Reddy Boppidi

Email: dilip.boppidi@edwardriver.nsw.gov.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lat, Long From: -35.5361, 144.9437 - Lat, Long To: -35.5291, 144.9591, conducted by Dilip Reddy Boppidi on 16 May 2024.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

O Aboriginal sites are recorded in or near the above location.

O Aboriginal places have been declared in or near the above location.*

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the NSW Government Gazette (https://www.legislation.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It
 is not be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal
 places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are
 recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as
 a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.

Level 6, 10 Valentine Ave, Parramatta 2150 Locked Bag 5020 Parramatta NSW 2124 Tel: (02) 9585 6345 ABN 34 945 244 274 Email: ahims@environment.nsw.gov.au Web: www.heritage.nsw.gov.au



31 October 2024

Cassie King
Environment and Sustainability Officer
South West
Environment | Safety, Environment & Regulation
Transport for NSW

Dear Cassie.

Preliminary assessment results for the Hardinge Street Reconstruction project.

This project involves reconstruction of 936 lineal metres of Hardinge Street (COBB Highway HW21) between Ochterytre Street to the West of Harfleur Street in Deniliquin.

The key features of this projects are listed below.

- Reconstruct road pavement with a provision of special turning lanes and new medians to improve road safety.
- Placement of new stormwater drainage and water connections including removal of the redundant.
- Installation of new concrete kerbing, concrete and gravel pavements (driveways and footpaths)
- Property access improvements where required.
- Landscaping works (nature strip, plantation, etc.)
- Installation of road furniture and pavement marking

Based on Stage 1 of the Procedure for Aboriginal Cultural Heritage Consultation and Investigation (PACHCI) and incorporating the Aboriginal Heritage Information Management System (AHIMS) data, it has been assessed as being unlikely to have an impact on Aboriginal Cultural Heritage.

The assessment is based on the following due diligence considerations:

- The project is unlikely to harm known Aboriginal objects or places.
- The AHIMS searches did not indicate moderate to high concentrations of Aboriginal objects or places in the study area.
- The study area does not contain landscape features that indicate the presence of Aboriginal objects, based on the Office of Environment and Heritage's Due diligence Code of Practice for the Protection of Aboriginal objects in NSW and the Transport for NSW procedure.
- The cultural heritage potential of the study area appears to be reduced due to past disturbance (previous road construction).

Safeguards:

Please be vigilant for further potential Aboriginal objects when construction does commence.

Your project may proceed in accordance with the environmental impact assessment process, as relevant, and all other relevant approvals. If the scope of your project changes, you must contact Desmond Smith, Aboriginal Cultural Heritage Officer and your regional environmental staff to reassess any potential impacts on Aboriginal cultural heritage.

TfNSW staff and/or contractors should be aware of the potential of Aboriginal objects (including skeletal remains) being discovered during the course of the project, if this occurs all works in the vicinity of the find must cease.

Follow the steps outlined in the Roads and Maritime Services' Unexpected Archaeological Finds Procedure.

Transport for NSW 193 – 195 Morgan Street, Wagga Wagga, NSW, 2650 E Desmond.Smith@transport.nsw.gov.au

OFFICIAL

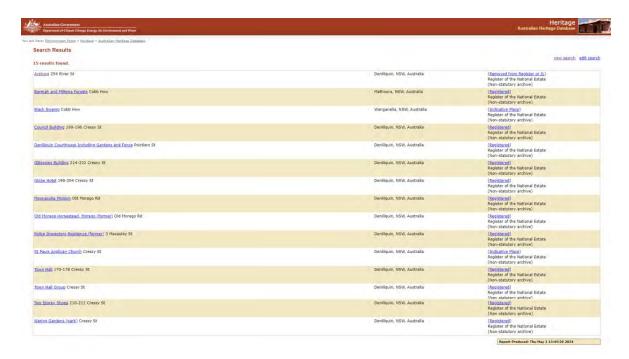
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Yours sincerely

Desmand Smith

Desmond Smith Aboriginal Cultural Heritage Officer Aboriginal Engagement - Southern

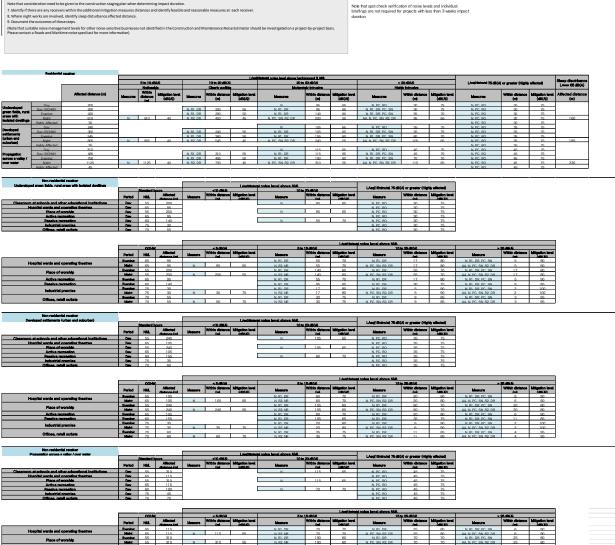
Appendix D: Australian Heritage Database



Appendix E: Noise Assessment Table

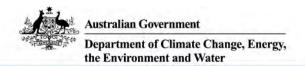
NSW GOVERNMENT





Appendix F: Protected Matters - MNES Layers

Refer to the attachment 'Appendix HaProtected Matters-MNES Layers-May 2nd 2024"



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 02-May-2024

Summary

Details

Matters of NES

Other Matters Protected by the EPBC Act

Extra Information

Caveat

Acknowledgements

:-PA-PR-0081-TT05

Appendix G: BioNet Special List Animals

Data from the BioNet Atlas website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1°C; ^^ rounded to 0.01°C. Copyright the State of NSW through the Department of Planning, Industry and Environment. Search criteria: Public Report of all Valid Records of Animals in selected area [North: -35.48 West: 144.90 East: 145.00 South: -35.58] returned a total of 2,362 records of 269 species.

Report generated on 3/05/2024 11:36 AM										
Kingdo m	Class	Family	Specie s Code	Scientific Name	Exoti c	Common Name	NSW status	Com m. status	Record s	Inf O
Animali a	Aves	Anatidae	0216	Oxyura australis		Blue-billed Duck	V,P		1	1
Animali a	Aves	Anatidae	0214	Stictonetta naevosa		Freckled Duck	V,P		2	1
Animali a	Aves	Ardeidae	0197	Botaurus poiciloptilus		Australasia n Bittern	E1,P	E	7	1
Animali a	Aves	Accipitridae	0218	Circus assimilis		Spotted Harrier	V,P		1	i
Animali a	Aves	Accipitridae	0226	Haliaeetus leucogaster		White- bellied Sea- Eagle	V,P		6	i
Animali a	Aves	Accipitridae	0225	Hieraaetus morphnoides		Little Eagle	V,P		8	•1
Animali a	Aves	Accipitridae	0230	^^Lophoictinia isura		Square- tailed Kite	V,P,3		2	i
Animali a	Aves	Falconidae	0236	^Falco hypoleucos		Grey Falcon	V,P,2	V	1	i
Animali a	Aves	Falconidae	0238	Falco subniger		Black Falcon	V,P		11	i
Animali a	Aves	Otididae	0176	Ardeotis australis		Australian Bustard	E1,P		1	•=•=
Animali a	Aves	Burhinidae	0174	Burhinus grallarius		Bush Stone- curlew	E1,P		2	

Animali a	Aves	Pedionomidae	0020	^^Pedionomu s torquatus	Plains- wanderer	E1,P,3	CE	2	i
Animali a	Aves	Rostratulidae	0170	Rostratula australis	Australian Painted Snipe	E1,P	E	1	i
Animali a	Aves	Cacatuidae	0270	^Lophochroa leadbeateri	Pink Cockatoo	V,P,2		1	i
Animali a	Aves	Psittacidae	0259	^^Glossopsitt a porphyroceph ala	Purple- crowned Lorikeet	V,P,3		2	i
Animali a	Aves	Psittacidae	0302	^^Neophema pulchella	Turquoise Parrot	V,P,3		2	i
Animali a	Aves	Psittacidae	0277	^^Polytelis swainsonii	Superb Parrot	V,P,3	V	24	i
Animali a	Aves	Strigidae	0246	^^Ninox connivens	Barking Owl	V,P,3		6	i
Animali a	Aves	Tytonidae	0250	^^Tyto novaehollandi ae	Masked Owl	V,P,3		1	i
Animali a	Aves	Climacteridae	8127	Climacteris picumnus victoriae	Brown Treecreeper (eastern subspecies)	V,P	V	19	i
Animali a	Aves	Acanthizidae	0466	Aphelocephal a leucopsis	Southern Whiteface	V,P	V	2	i
Animali a	Aves	Meliphagidae	0603	^Anthochaera phrygia	Regent Honeyeater	E4A,P, 2	CE	2	i
Animali a	Aves	Meliphagidae	0602	Certhionyx variegatus	Pied Honeyeater	V,P		1	i
Animali a	Aves	Meliphagidae	0448	Epthianura albifrons	White- fronted Chat	V,P		1	i
Animali a	Aves	Meliphagidae	0598	Grantiella picta	Painted Honeyeater	V,P	V	1	i
Animali a	Aves	Pomatostomid ae	8388	Pomatostomu s temporalis temporalis	Grey- crowned Babbler (eastern subspecies)	V,P		16	i

Animali a	Aves	Neosittidae	0549	Daphoenositta chrysoptera	Varied Sittella	V,P		5	i
Animali a	Aves	Artamidae	8519	Artamus cyanopterus cyanopterus	Dusky Woodswall ow	V,P		3	i
Animali a	Aves	Petroicidae	8367	Melanodryas cucullata cucullata	South- eastern Hooded Robin	E1,P	E	1	i
Animali a	Aves	Petroicidae	0380	Petroica boodang	Scarlet Robin	V,P		1	i
Animali a	Aves	Petroicidae	0382	Petroica phoenicea	Flame Robin	V,P		4	i
Animali a	Aves	Estrildidae	0652	Stagonopleura guttata	Diamond Firetail	V,P	V	1	i
Animali a	Mammal ia	Dasyuridae	1043	Antechinomys laniger	Kultarr	E1,P		1	i
Animali a	Mammal ia	Vombatidae	1169	Lasiorhinus krefftii	Northern Hairy-nosed Wombat	E4,P	CE	1	i
Animali a	Mammal ia	Macropodidae	1215	Petrogale penicillata	Brush- tailed Rock- wallaby	E1,P	V	1	i
Animali a	Mammal ia	Vespertilionid ae	T315	Nyctophilus corbeni	Corben's Long-eared Bat	V,P	V	1	i

Trees Near me

Appendix H: Trees near me-Search

https://treesnearme.app/explore



Appendix I: Kerb Side Parking Plan Changes

EDWARD RIVER COUNCIL

KERB SIDE PARKING PLAN
HARDINGE STREET ROAD RECONSTRUCTION PROJECT
OCHTERTYRE STREET TO HARFLEUR STREET
HARDINGE STREET, DENILIQUIN, NSW 2710



	DRAWING SCHEDULE						
DRAWING	REVISION						
3561 7 PB1	FACE SHEET						
3561 / P92	KERBSIDE PARKING PLAN (SHEET) 1 OF TI	A.					
3561 / P03	KERBSIDE PARKING PLAN (SHEET 2 OF TI	A					
2561 / PDG	KERBSIDE PARKING PLAN (SHIET 3 OF T)	A					
3547 / P05	KERBSIDE PARKING PLAN ISHEET 4 OF TI	A					
3561 / PQ6	KERBSIDE PARKING PLAN (SHEET 5 OF TI						
3561 / P07	KERBISIDE PARKING PLAN (SHEET 6 OF 7)	- A					
3561 / P08	KERBSIDE PARKING PLAN (SHEET 1 OF 3)	A:					



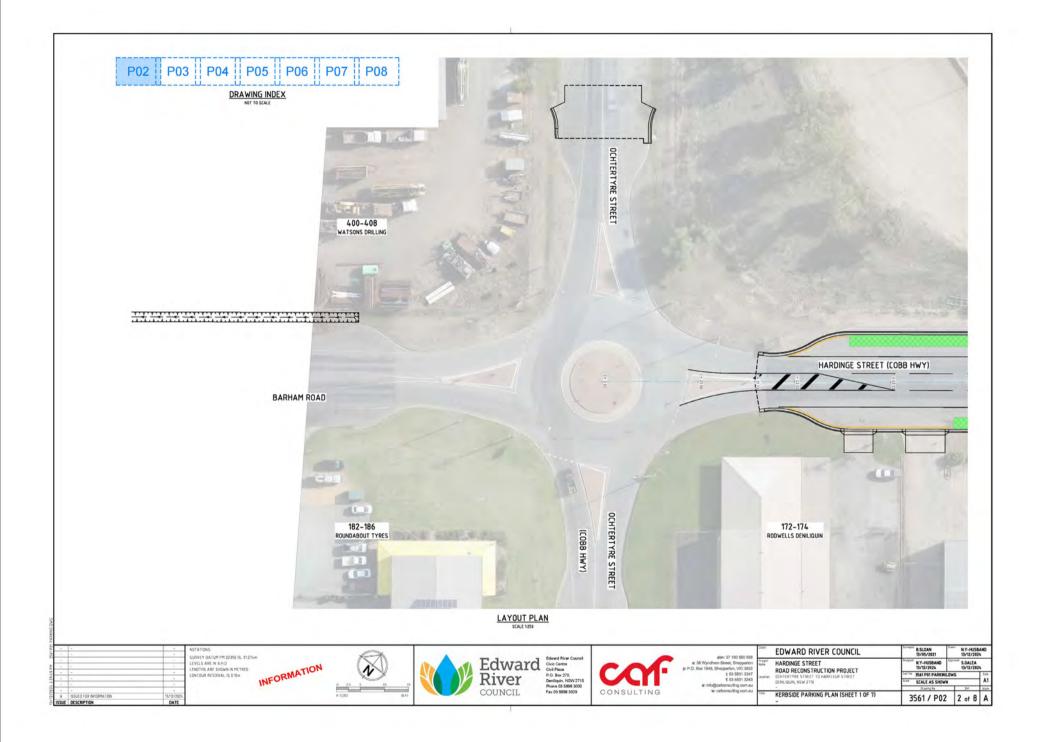
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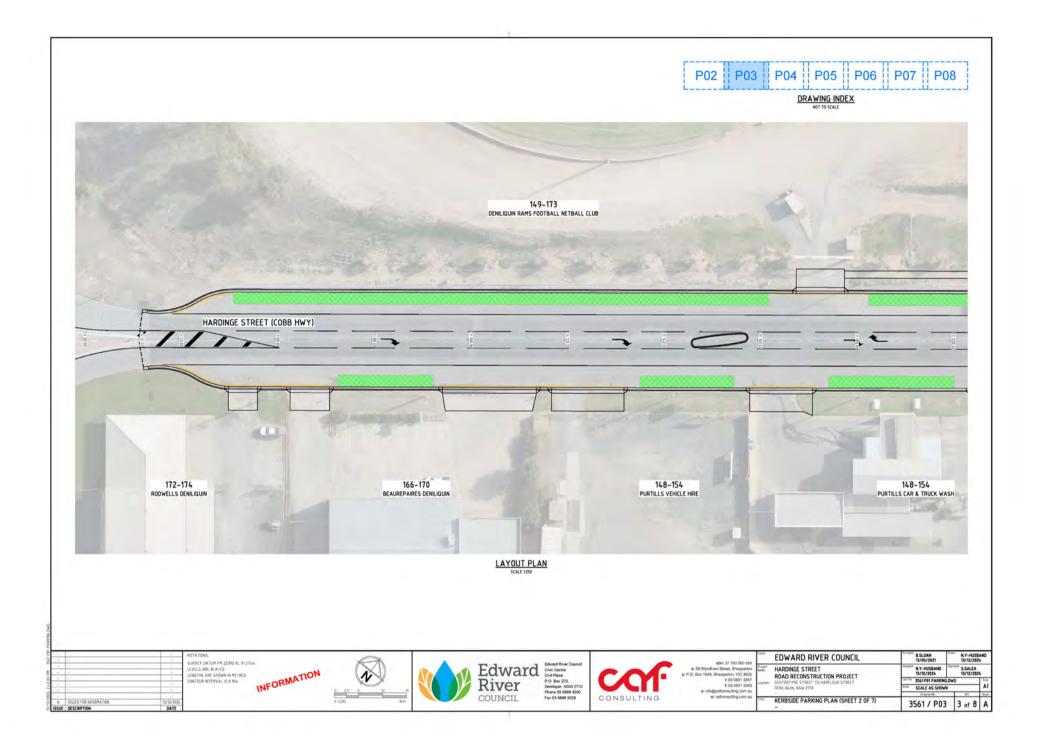


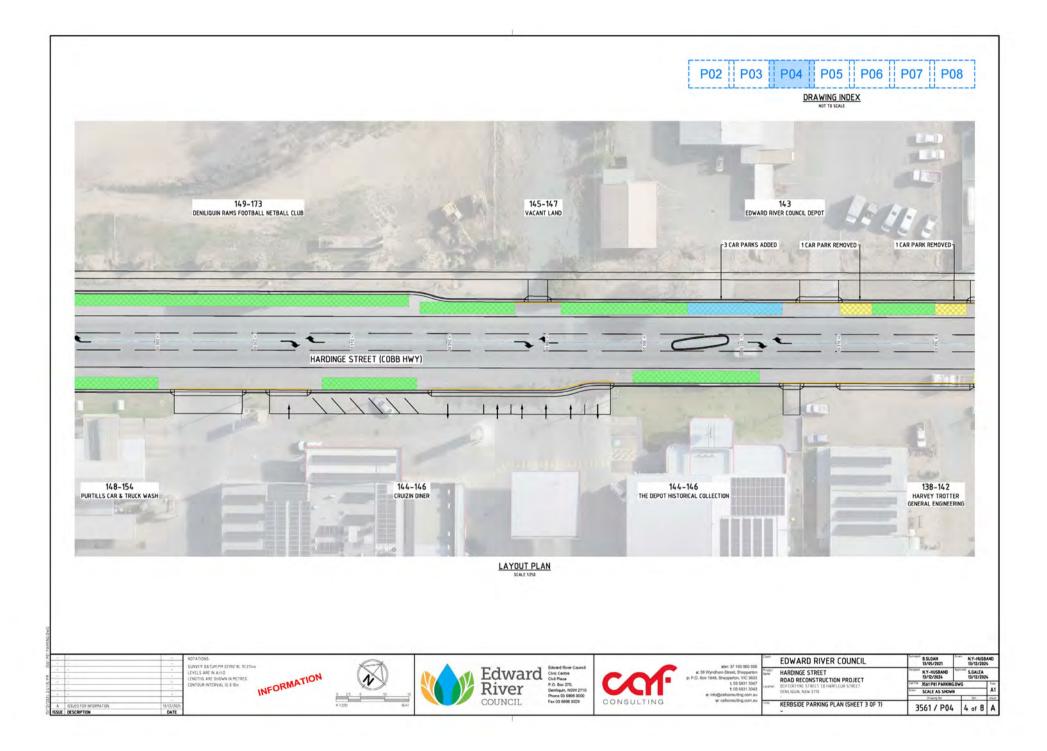


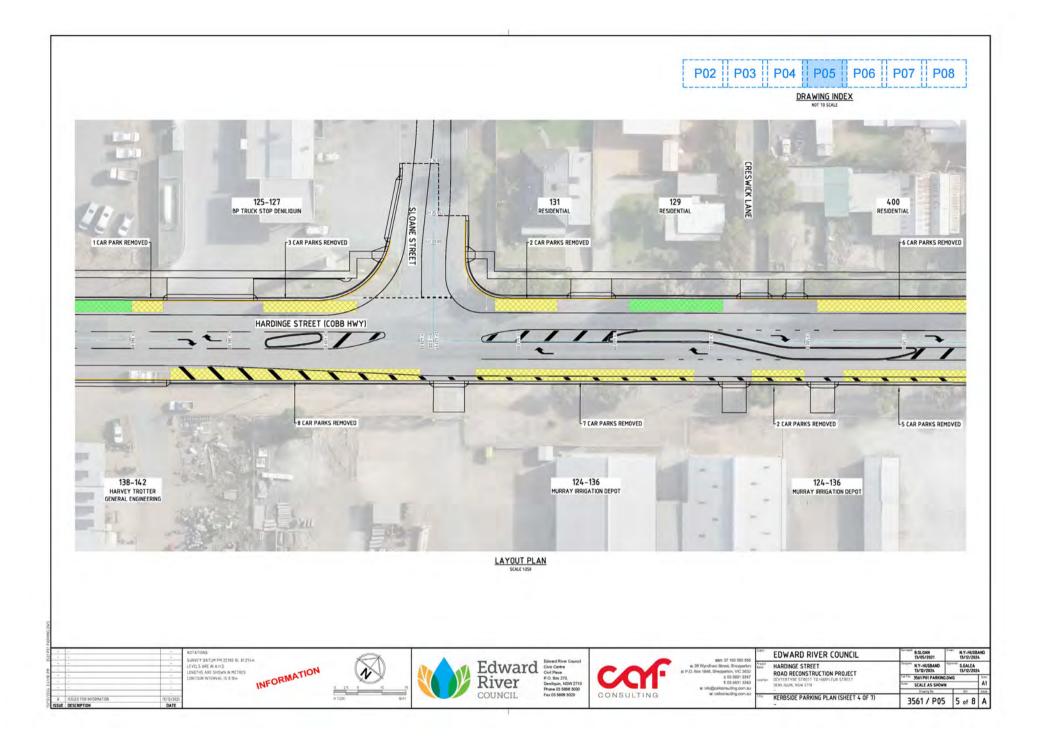
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£ P.O.	Box 1946, Shepparlos, VIC 3833
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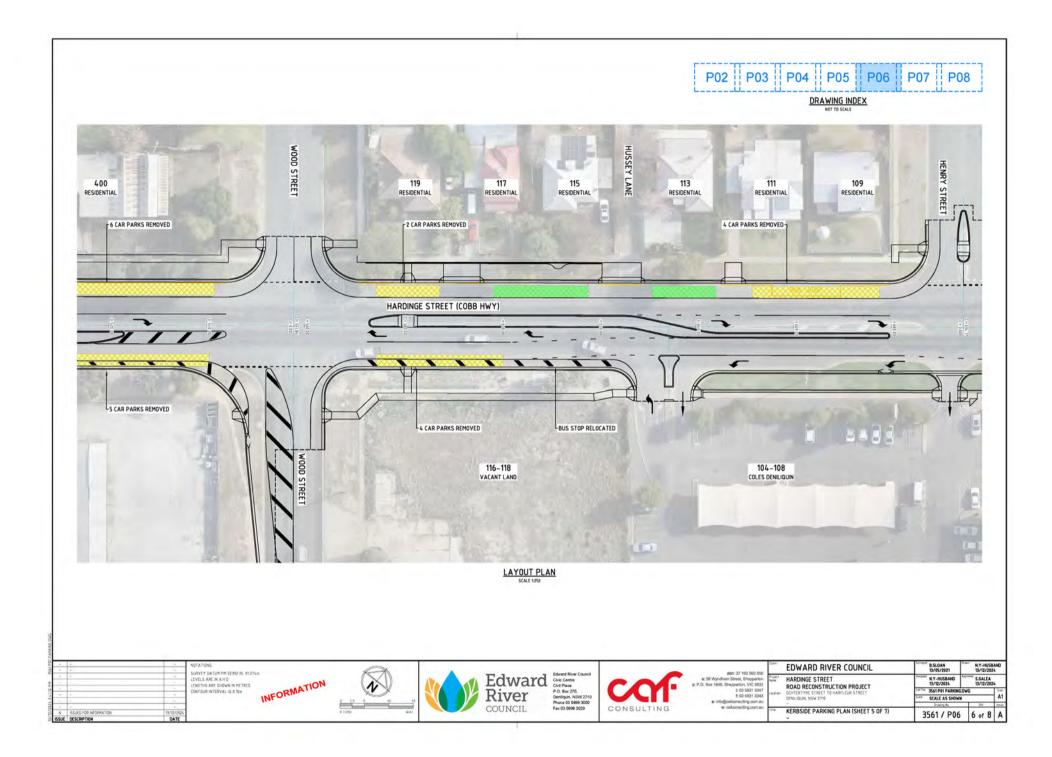
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đ	HARDINGE STREET ROAD RECONSTRUCTION PROJECT	N.Y-HUSBAND 19/12/2024	S.GALEA 13/12/20		
_	ODMERTYRE STREET TO MARKIEUM STREET	CHETTE 3561 PO1 PARKINGOWG 5		Set	
	DENLIQUIN, NSW 2310	SCALE AS SHOWN		A1	
		Drawing No.	580	7510	
	FACE SHEET	3F(1 / DO	1 1 . 0		

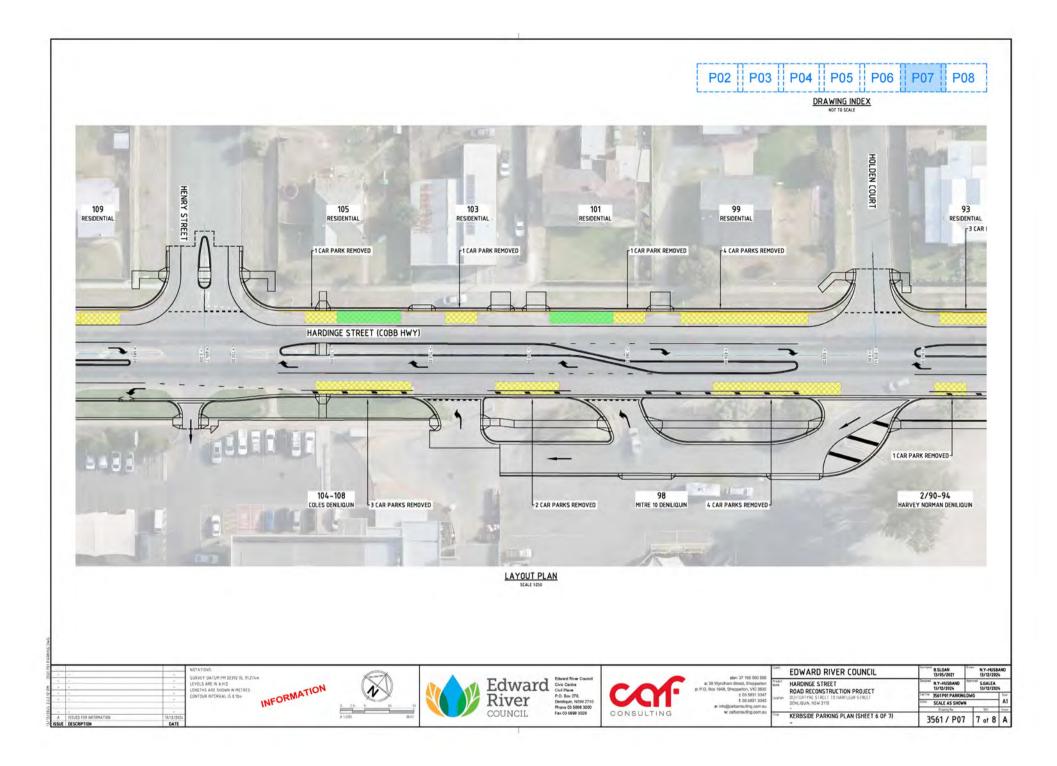


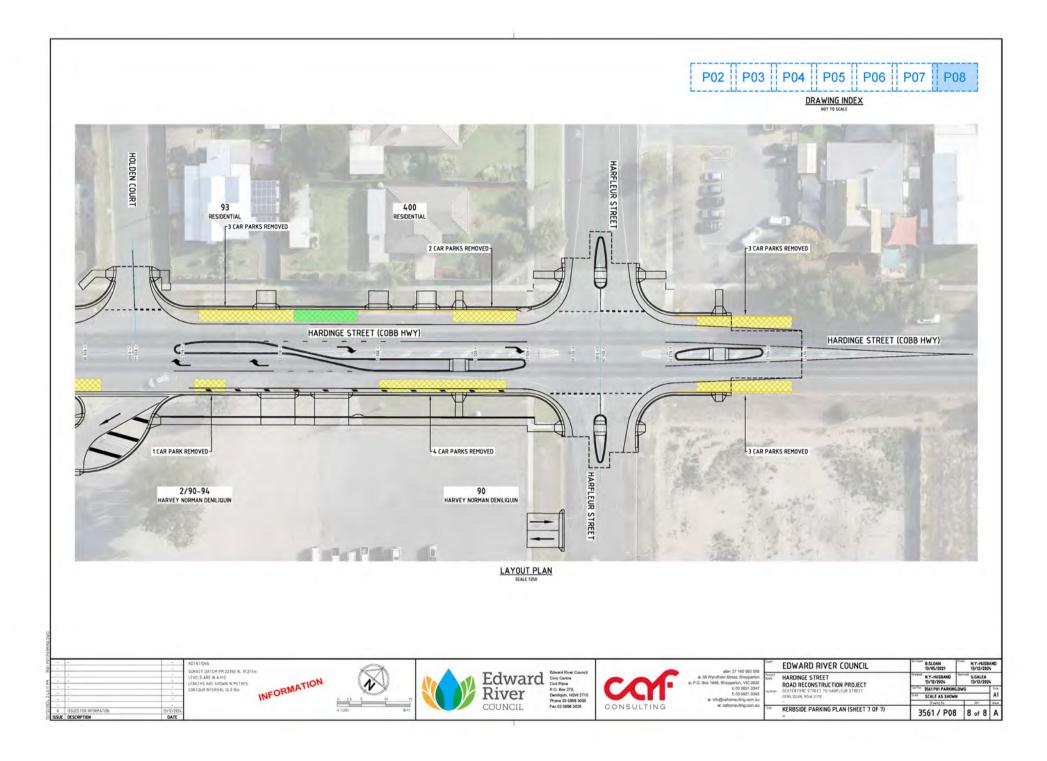














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