

COFFS HARBOUR BYPASS (CSSI-7666)
ENVIRONMENTAL REPRESENTATIVE MONTHLY REPORT
September 2024

Reporting Period: 1 to 30 September 2024

This Environmental Representative Monthly Report has been prepared in accordance with the Minister's Condition of Approval (MCoA) A25(j) for the Coffs Harbour Bypass (CSSI-7666) and is consistent with the Environmental Representative Protocol (October 2018).

PROJECT SUMMARY: The construction and operation of a new multi lane road from north of Sawtell Road Interchange to Sapphire Beach, and including:

- a new four-lane divided highway with three grade-separated interchanges at Englands Road (southern), Coramba Road (central) and Korora Hill (northern);
- three tunnels through ridges, at Roberts Hill (approximately 190m long), Shephards Lane (approximately 360m long) and Gatelys Road (approximately 450m long);
- structures to pass over local roads and creeks, and a bridge over the north coast railway;
- tie-in and modifications to the existing road network, to enable local road connections;
- pedestrian and cycling facilities, a shared path tying into the existing shared path on solitary islands way, and a new pedestrian bridge to replace the existing Luke Bowen footbridge;
- a new Korora public school bus interchange and a formalised bus stop at Coramba Road; and
- noise attenuation measures, fauna connectivity structures, and ancillary work.

Works underway:

- Main construction works:
 - ongoing installation and maintenance of site controls, including fencing, signs, access gates, erosion and sediment controls (incl. sediment basins) and vehicle washdown bays;
 - construction of temporary drainage channels and waterway diversions;
 - installation of permanent drainage;
 - earthworks, including cut-to-fill excavation & haulage, rock hammering, blasting, crushing, screening;
 - bridge construction; and
 - tunnel construction, including rock hammering and drill & blast.
- Low impact works (i.e., non-construction works) are ongoing, including:
 - residential property noise treatment works.
- Other ongoing works include:
 - design refinement and detailed design;
 - threatened flora species management, including propagation and translocation; and
 - operational noise review.



September 2024 Works Summary

Main Construction

- Installation and maintenance of erosion and sediment controls, including sediment basins.
- Maintenance of access gates, including vehicle washbays for Panama disease control.
- Construction of temporary drainage channels and waterway diversions.
- Bulk earthworks, including cut-to-fill excavation & haulage, rock hammering, blasting, crushing, screening.
- Installation of permanent drainage (e.g. cross-drainage pipes and culverts).
- Bridge construction, including bored piling, pier & headstock construction, installation of precast concrete girders, and deck pours.
- Concrete batch plant operation.
- Tunnel construction at the Gatelys Road tunnel, including rock hammering and drill & blast.
- Tunnel portal preparation works at the other tunnel portals, including commencement of canopy drilling at Shephards Lane north.

Utility Relocations

Most of the utility relocation works are complete and most of the previously active work areas have been rehabilitated, revegetated (where appropriate) and stabilised.

Residential Property Noise Treatment Works

- 619 receivers were identified in the EIS Amendment Report as being potentially eligible for noise treatment works. Ground truthing has found that 14 properties are in an ineligible subdivision, 153 are unbuilt residential properties (located in an eligible subdivision), and 53 buildings do not require treatment (e.g., non-habitable). Furthermore, 32 additional properties have been identified for treatment and 53 properties have declined/postponed the treatment offer. Therefore, there are 378 properties to be treated.
- Builders' contracts have been awarded for 347 properties and 347 properties have been treated.
- There are 29 properties where the typical scope of treatment works cannot be undertaken without impacting asbestos. To ensure the safety of residents and builders, TfNSW has engaged specialist contractors to review the condition of the properties, the scope of work for noise treatments and the proposed work methods. TfNSW has completed a feasible and reasonable analysis and, as a result, will not progress with activities that will directly impact asbestos in residential homes. TfNSW is now proceeding with redesigning the scope of treatment for each property. 29 properties are currently in the redesign phase, with the redesign complete at 27 properties.
- There are 4 properties with electrical supply issues that required further investigation. Electrical supply for 2 of these properties has been resolved. TfNSW has consulted with the other 2 homeowners and Essential Energy, and the mechanical ventilation is currently being redesigned.
- There are 2 schools and 1 place of worship that require additional investigation and noise modelling to be finalised based on the Operational Noise Review (ONR) report. Site investigations, including attended noise monitoring to measure the existing transmission loss performance of the building facades, were completed in mid-April 2024. The site investigations have been completed and acoustic treatment will be finalised after the ONR report is approved.



Operational Noise Review

- An Operational Noise Review (ONR) report has been prepared as required by MCoA E47.
- The ONR report was endorsed by the Acoustic Advisor (AA) and submitted to DPHI in August.

Threatened Species Management

- New plant species (Fontainea, Pittosporum) management was ongoing, including propagation of plants in nurseries for future planting in translocation sites.

October 2024 Upcoming Works

Main Construction

- Installation and maintenance of erosion and sediment controls, including sediment basins.
- Maintenance of access gates, including vehicle washbays for Panama disease control.
- Construction of temporary drainage channels and waterway diversions.
- Bulk earthworks, including cut-to-fill excavation & haulage, rock hammering, blasting, crushing, screening.
- Installation of permanent drainage (e.g. cross-drainage pipes and culverts).
- Bridge construction, including bored piling, pier & headstock construction, installation of precast concrete girders, and deck pours.
- Concrete batch plant operation.
- Tunnel construction at the Gatelys Road tunnel, including rock hammering and drill & blast.
- Tunnel portal preparation works at the other tunnel portals.

Utility Relocations

The final connection of the Bray Street electrical works requires a power outage coordinated with Essential Energy. The date for this power outage is yet to be confirmed.

Residential Property Noise Treatment Works

- TfNSW will make a noise treatment scope offer to the owner of each property that has unresolved asbestos issues.
- Postponed properties that have elected to proceed with works will be allocated into Stage 2.

Threatened Species Management

- New plant species (Fontainea, Pittosporum) management will continue, including propagation of plants in nurseries for future planting in translocation sites.



ER Activity

Reviews / Approvals / Advice

- OOHW Application (FGJV #154) – South Ch 9650 – Extended Saturday hours for utilities TBM under Pacific Highway: Review.
- OOHW Application (FGJV #162) – South Ch 9700 – Decommissioning of street lighting: Review and endorse.
- OOHW Application (FGJV #164) – South Ch 10900 – Extended evening hours for concrete pours at Englands Road Roundabout: Review.
- OOHW Application (FGJV #167) – South Ch 10950 – Extended evening hours for concrete pours at spoon drain: Review.
- OOHW Application (FGJV #126) – Shephards Lane – Extended evening hours for concrete pours at large bridge piles: Review and endorse.
- OOHW Application (FGJV #160) – North Ch 23300 – Luke Bown Footbridge ramp and truss delivery: Review and endorse.
- OOHW Application (FGJV #169) – North Ch 23300 – Extended morning hours for Bridge 04 deck pour: Review.
- OOHW Application (FGJV #170) – North Ch 23300 – Extended evening hours for Bridge 23 deck pour: Review.
- OOHW Application (FGJV #163) – South Ch 14700 – Extended evening hours for Coramba Road Roundabout saw cutting: Review.
- OOHW Application (FGJV #165) – South Ch 14700 – Extended morning and evening hours for Coramba Road eastern roundabout concrete pour: Review.
- OOHW Application (FGJV #166) – South Ch 14700 – Extended morning and evening hours for Coramba Road western roundabout concrete pour: Review.
- Community Agreement for Cut 11 Blasting Limits (Shephards Lane): Review
- Gatelys Road Tunnelling Noise Verification Report: Review
- James Small Drive Traffic Staging: Duration Respite Consultation: Review.
- Surface Water Monitoring Program: August 2024 Data Report: Review.
- Groundwater Monitoring Program Annual Interpretive Report (May 2023 to May 2024): Review.
- Surface Water Monitoring Program Annual Interpretive Report (May 2023 to May 2024): Review.
- Mud tracking on public roads: Review correspondence.
- Monthly Acoustic Advisor (AA) Report (July): Review.
- Weekly community complaints register: Review.

Site Inspections

Site inspections occurred on:

- 11 September 2024 with the AA, TfNSW, DPHI and EPA representatives
- 25 September 2024 with TfNSW and EPA representatives

Meetings / Workshops

- A Monthly Project Update Meeting was held on 11 September with the AA, DPHI, TfNSW, EPA and FGJV representatives. Some participants attended the meeting in person, while others connected via video call.



- Fortnightly meetings with the AA, DPHI and environment and community representatives from TfNSW and FGJV are ongoing.

Reports

- MCoA A25(j): Environmental Representative Monthly Report (August 2024) – Prepared and submitted to DPHI (Infrastructure Management & Compliance) via Major Projects Portal on 6 September 2024.

Environmental Performance

Stop Work Notices

There were no Stop Work Notices.

Incidents (as per MCoA definition)

- There were no incidents in September.

Non-compliances

- There were six blasts (4, 6, 17, 18, 19 and 24 September) at the Gatelyst Rd tunnel north portal that resulted (extrapolated prediction) in exceedances of the airblast overpressure limits listed in MCoA E55. Noting airblast monitoring equipment is not installed at 172 West Korora Road due to the receiver requesting all monitoring equipment be removed. In each case, the predicted airblast overpressure was lower than the actual measured overpressure.
- There was one blast (24 September) that was detonated at 6:05pm.
- There was one non-compliance with the EPL in relation to failure to install controls in accordance with the PESCP at Fill 9 on 18 September. This is subject to investigation by NSW EPA.

Environmental Events (i.e., not classified as Incidents)

- There were no events in September.

Positive Observations / Lessons Learnt / Opportunities for Improvement

As noted above, due to a small number of issues with works in waterways, the project has implemented a new works in/near waterways permit system to assist the management of these high-risk activities.

Changes to the Project

Documentation

The following document incorporates minor updates that have been approved by the ER:

- None this month.



Community Consultation and Complaints

Consultation Summary

In September, the team engaged with residents about the start of tunnelling at Shephards Lane Tunnel north portal and consulted with residents in Korora about five nights of continuous out of hours work on the Pacific Highway.

Other engagement included consulting with impacted local businesses about upcoming local road access changes.

Community pop-ups during September were held at Moonee Market shopping centre, Harbourside Markets and Toormina Gardens shopping centre. A community information session was also held at Opal Cove Resort where the team spoke to the community about access changes, traffic switches and upcoming construction in the Korora area. A total of 175 community members attended these sessions.

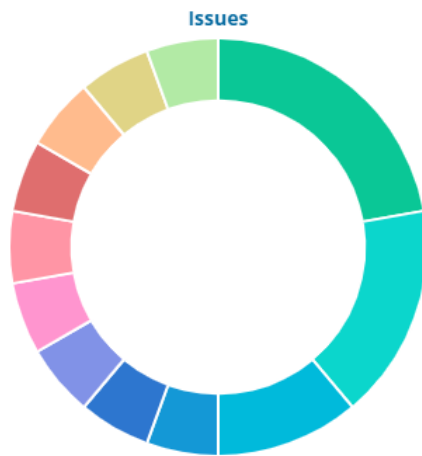
Notifications and Fact Sheets

- Notification for out of hours concrete barrier installation, streetlight removal and local drainage work, Korora
- Notification for out of hours guard rail removal, concrete barrier removal, pavement work and line marking on the Pacific Highway, Korora
- Notification for out of hours bridge work and traffic changes in Korora for the installation of the new Luke Bowen pedestrian bridge
- Notification for work at Roberts Hill Tunnel portal outside of approved construction hours
- Notification for out of hours concrete pavement at Coramba Road Interchange
- Notification for out of hours concrete pours between Englands and North Boambee Roads
- Notification for the start of tunnelling work at Shephards Lane Tunnel
- Notification for out of hours concrete pavement at Coramba Road Interchange
- Notification for out of hours concrete pours near Shephards Lane and North Boambee Road
- July 2024 Report Card
- September 2024 Project Update
- Weekly traffic updates.

Complaints and Enquiries

There were 270 interactions with stakeholders during September with 10 complaints and, nine enquiries managed by the team. Complaints focussed on dust, property damage and, controlled blasting with a further breakdown provided in the graphs below.





North	4
Dust(2)	3
Noise - construction	2
South	1
Water hydrology	1
General environment issues/concerns	1
Noise - operation	1
Noise mitigation/ treatments	1
Vibration - construction	1
Blasting	1
Damage (to property/environment)	1
Other	1
Total	18



Complaint - Open	5
Complaint - Closed	5
Total	10

Closing Remarks

The month of September has generally been dry except for a significant rainfall event (min 189mm to max 292mm over 5 days) at the end of the month. Mud tracking onto local roads has been a significant issue during wet weather and the project team is currently undertaking an internal audit of site access gates to identify locations that require improvements. The next focus will be to select and implement reasonable and feasible actions to reduce the risk of mud tracking.

Bridge construction and drainage culvert installation are continuing at numerous locations throughout the alignment. Delivery and install of precast concrete Super T bridge girders are ongoing. Bridge deck concrete pours and cutting are underway and have been observed to be appropriately managed. Roundabout works are continuing at the Englands and Coramba Road interchanges and piling is continuing at Bridge 12, which is the large bridge over the railway line to the east of Shephards Lane.

Tunnel construction is ongoing at the southern and northern portals of the Gatelys Road tunnel, with a combination of rock hammering and drill & blast. Tunnel portal establishment works are underway at the other tunnel portals and the Shephards lane tunnel southbound has commenced canopy drilling at



the portal. The project team has obtained resident agreements to allow extended work hours for some work activities at some of the tunnel portals.

Overall, environmental management of the project continues to be satisfactory, with most of the issues identified during site inspections being considered low risk.



Simon Williams
CHB Environmental Representative
Principal Environmental Planner
GeoLINK

Attachment: Photos from Site Inspections – September 2024



Photos from Site Inspections – September 2024



Image 1: Southern tie-in (Ch10100) – fauna culvert under new Pacific Hwy



Image 2: New England Road Interchange Roundabout (Ch10900)



Image 3: Enlands Road at Fill 3B Redesigned and rehabilitated waterway (Ch12700)



Image 4: Fill 4 (Just south of Roberts Road Tunnell South) showing rehabilitated (Ch13500)



Image 5: Shephards Lane tunnel north portal (Ch17300) – Portal establishment and preparation for tunnelling



Image 6: Korora Hill Interchange, Bruxner Park Road (Ch20900)



Image 7: Paradise Palms (Ch22900) – Bridge construction, preparation for concrete deck pour



Image 8: Pacific Bay resort (Ch20900) – Sediment basin construction on east side of Pacific Hwy