

PROJECT LAUNCH APPROVAL – 2024/25 PAVEMENT REHABILITATION PROGRAM (PT25232)

50/7/1-01 | #7430682

RECOMMENDATION:

That Council:

1. Approves the Project Launch Approval (PLA) for the 2024/25 – Pavement Rehabilitation Program with a Project Launch Budget (PLB) of \$4,880,000 and an Approved End Date (AED) of 30 November 2025; and
2. Delegates authority to the Chief Executive Officer in accordance with the *Local Government Act 2009* to enter into contracts, negotiate, finalise and execute any and all matters relating to this program subject to Council's procurement practices and policies.

INTERESTED PARTIES:

- Department of Transport & Main Roads
- Queensland Rail
- Cairns Taxis
- Kinetic
- Translink

Note: The identification of interested parties is provided on a best endeavours basis by Council Officers and may not be exhaustive.

EXECUTIVE SUMMARY:

Council undertakes an annual pavement rehabilitation program in order to maintain the road network to a suitable standard and ensure safe vehicular movement on local government roads within the Cairns region.

Sites have been identified from a comprehensive road surface condition assessment which was completed in 2023. The condition assessment involved a visual inspection of the entire road network to record defects such as poor surface texture, rutting, cracking and potholing. In addition, the pavement strength was tested on higher order hierarchical roads using a falling weight deflectometer.

Roads with the most significantly deteriorated wearing course and weakest underlying pavement were prioritised for pavement rehabilitation.

This report requests project launch approval for the 2024/25 Pavement Rehabilitation Program.

BACKGROUND:

Council manages approximately 1360km of roads. The value of the road pavement, including the gravel base and subbase below the road wearing course, equates to approximately \$602M of Council's asset value from the last asset revaluation conducted in 2018/19.

Council's road network is divided into "road-blocks" of various lengths and widths. There are approximately 11,500 roadblocks in Council's asset register.

Council monitors the condition of road assets with annual inspections conducted by maintenance staff. Thorough formal condition assessments are conducted every five years. Prioritised renewal programs are developed based on a risk assessment.

Individual sites identified as requiring pavement rehabilitation are then more thoroughly examined with test pits excavated to collect soil and pavement samples for laboratory analysis to determine factors such as material strength and moisture sensitivity. These parameters and the traffic volume data are used to calculate the required pavement treatment.

The road network has been subject to more damage and deterioration from the effects of Tropical Cyclone Jasper and an extended wet season. Sites that had previously been identified for rehabilitation in future years of the program require immediate attention to maintain a safe and serviceable roadway.

COMMENT:

Renewal of road pavements is required to ensure an acceptable level of service is provided to the community and safety is not compromised by excessive pavement defects such as potholes and rutting.

A prioritised works program of sites requiring pavement rehabilitation was developed to repair the roads with the most significantly deteriorated wearing course and weakest underlying pavements prioritised.

Minor rehabilitation works are included within this program and includes repairs across portions of the road-blocks rather across the entire road-block or multiple road-blocks. This will ensure the entire road remains serviceable and safe in the interim by limiting the amount of moisture ingress in the underlying pavement.

The proposed sites for the 2024/25 program are:

ROAD BLOCK ID	STREET NAME	SUBURB
1534#2	MT PETER ROAD	EDMONTON
1534#3	MT PETER ROAD	EDMONTON
1534#4	MT PETER ROAD	EDMONTON
1534#5	MT PETER ROAD	EDMONTON
419#1	CHEVIOT STREET	TRINITY BEACH
1498#1	MONA STREET	EDMONTON
1498#2	MONA STREET	EDMONTON
869#1	GREEN STREET	EDMONTON
869#1.4	GREEN STREET	EDMONTON

The Pavement Rehabilitation Program also provides funding for the 2024/25 Rural Road Shoulder Widening Program (which includes funding under the Local Road and Community Infrastructure Grant) and the minor rehabilitation pavement preparation work undertaken as part of the 2024/25 Reseal Program. The proposed funding for the 2024/25 Pavement Rehabilitation Program is:

Allocation	Project	2023/24	2024/25	2025/26	Total
Capex Budget Allocation	Pavement Rehabilitation	20,000	6,085,000	5,000,000	11,105,000
PLB	2024/25 Reseal Program		500,000		500,000
PLB	2024/25 Rural Road Shoulder Widening	20,000	1,705,000		1,725,000
PLB	2024/25 Pavement Rehabilitation Program		3,880,000	1,000,000	4,880,000
	Variance	0	0	4,000,000	4,000,000

This utilises \$1,000,000 from the 2025/26 financial year allocation to fund the pavement rehabilitation work which is proposed occur in next financial year as part of this program. The estimated timeframe required to deliver all the scheduled sites is approximately 17 months, allowing for wet season and other resource priorities. Therefore, the Approved End Date is requested for 30 November 2025.

OPTIONS:

Option 1

That Council:

1. Approves the Project Launch Approval (PLA) for the 2024/25 Pavement Rehabilitation Program with a Project Launch Budget (PLB) of \$4,880,000 and an Approved End Date (AED) of 30 November 2025.

2. Delegates authority to the Chief Executive Officer in accordance with the *Local Government Act 2009* to enter into contracts, negotiate and finalise any and all matters relating to this program subject to Council's procurement practices and policies.

Option 2

That Council does not approve the Project Launch Approval (PLA) for the 2024/25 Pavement Rehabilitation Program and adopts an alternate course of action.

CONSIDERATIONS:

Risk Management:

The project is low risk in terms of community outcomes as the public have the expectation that Council will provide safe and trafficable roads. The program has been developed with the most significantly deteriorated roads prioritised for 2023/24 financial years. The works will consider the age and condition of underlying council services such as water mains and stormwater culverts to ensure any required renewals are completed prior to constructing the new pavement.

Council Finance and the Local Economy:

There is sufficient budget allocated within the proposed 10 Year Capital Works Program to undertake the scheduled work.

The cost of pavement rehabilitation works is influenced by a range of factors including any conflicts with underground services and the required pavement thickness. Pavement thickness is adjusted for each site based on traffic volume, the percentage of heavy vehicles and the strength of the underlying soils. Sites may be added or substituted after further investigation.

The program is delivered by Council staff using local subcontractors and suppliers through Preferred Supplier Arrangements.

Natural Environment:

The project has minimal impact on the natural environment as the renewal works are fully contained within the existing road corridor.

Corporate and Operational Plans:

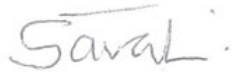
FOCUS THREE, Design for Liveability.

- Enhance community wellbeing, safety and natural disaster resilience.
- Deliver valued suburban community infrastructure.

CONSULTATION:

Standard public consultation procedures will apply to each site. Council has also developed in 2021-22 'Maintaining Our Roads' an informative guide available to residents on Councils website and distributed through letterbox drops to potentially effected households prior to upcoming works, to better inform residents about the effects and benefits of road surfacing works, such as AC Overlay.

Refer to <https://www.cairns.qld.gov.au/water-waste-roads/roads/maintaining-our-roads>



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