

PROJECT LAUNCH APPROVAL – 2024/25 ASPHALT OVERLAY PROGRAM (PT25228)

50/7/1-01 | #7430660

RECOMMENDATION:

That Council:

- 1. Approves the Project Launch Approval (PLA) for the 2024/25 Asphalt Overlay Program with a Project Launch Budget (PLB) of \$2,000,000 and an Approved End Date (AED) of 30 June 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
- Kinetic
- TransLink
- Teabrook Pty Ltd
- Boral Resources (QLD) Pty Ltd
- FGF Bitumen Pty Ltd
- NQ Asphalt Pty Ltd
- Pioneer North QLD Pty Ltd

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 asphalt overlay program to maintain the road network to a safe and serviceable standard. This involves milling out and removing the deteriorated or oxidised asphalt in identified road-block sections and replacing with new asphalt that can withstand the regular vehicular and heavy vehicle loads, preventing moisture from penetrating into the underlying pavement, and provides a smooth, sustainable asphalt surface for traffic.

Council has a Register of Prequalified Suppliers (ROPS 2775 Supply and Lay Asphalt Concrete) for these proposed works and may engage several different companies during the annual program based on availability. Under the 2023/24 program, approximately 5,800 tonnes of asphalt (approx.44,000 Sq/m) will be laid at various sites. The total cost is expected to be approximately \$2,000,000.

This report requests approval of 2024/25 Asphalt Overlay Program Project Launch Approval (PLA) of \$2,000,000.

BACKGROUND:

Council manages approximately 1360km of roads. The financial value of the road surface from Councils Transport Asset Management Plan is estimated at \$187M .

All roads in the network are constructed as asphalt, except for lower order rural roads. It is estimated that 68% of Council roads have had an asphalt surface laid, at a value of \$127M.

Council's road network is divided up into "road blocks" of various lengths and widths. There are just over 11,500 road-blocks in Council's asset register. Over 5,300 of these road-blocks have an asphalt surface.

Maintaining the road surface layer in good condition is critical to extending the life of the underlying pavement. If the wearing course (surface) deteriorates to an unacceptable level, the pavement can be compromised due to crocodile cracking, potholes, rutting, etc. which could result in high rectification costs for Council to rehabilitate the surface and underlying pavement. Asphalt Overlaying aims to prevent these defects from occurring or developing in the road surface and prevents water ingress that damages the underlying road pavement and reduces the serviceable life of the road.

Wearing course surface condition assessment inspections and condition rating of the entire road network was undertaken in the 2022/23 financial year. The results of these condition assessment have been utilised to develop a prioritised rolling 3-year capital works program that includes allocations for all road renewal programs derived from this data.

COMMENT:

Council prioritises roads requiring asphalt overlay based on recent road asset condition assessment data results. Renewal of these roads are required to ensure the network is maintained at an acceptable level of service to provide a sustainable, safe standard, in meeting motorist and community expectations.

Council has a Register of Prequalified Suppliers (ROPS 2775 Supply and Lay Asphalt Concrete) for these works and may engage several different companies during delivery of the annual program based on availability.

The priority sites for the 2024/25 Asphalt Overlay Program are detailed in Attachment 1 – List of Priority Sites (AC Overlay).

OPTIONS:

Option 1

That Council:

1. Approves the Project Launch Approval (PLA) for the 2024/25 Asphalt Overlay Program with a Project Launch Budget (PLB) of \$2,000,000 and an Approved End Date (AED) of 30 June 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.

Option 2

That Council does not approve the PLA for the 2024/25 Asphalt Overlay Program.

CONSIDERATIONS:

Risk Management:

A range of factors can influence asphalt overlay works. This includes the variation of pavement strength influences and site constraints. Contractor availability can also be influenced by their other commitments and create delays in Council's program. It is not practicable to definitively scope and estimate the required preparation works as the site conditions vary over time, particularly during inclement weather. Sites may be added or substituted after further investigation and consideration of risk to the level of service of the asset and the road user.

Council Finance and the Local Economy:

The \$2,000,000 required for this program will be allocated from Councils current 10-year capital works program.

The use of local products and services will boost the local economy and improve transport infrastructure.

Community and Cultural Heritage:

Good asset management practices for transport infrastructure will enable safe travel.

Natural Environment:

The project has minimal impact on the natural environment as the works are fully contained within the existing road corridor, renewing the existing road pavement surface.

Corporate and Operational Plans:

Focus Three: Design for Liveability;

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

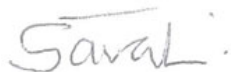
CONSULTATION:

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>

ATTACHMENTS:

Attachment 1 – List of Priority Sites (AC Overlay).



Sarah Stephen
Associate Director Engineering Services



Mark Wuth
Director Cairns Infrastructure and Assets

Attachment 1 – List of Priority Sites (AC Overlay)

Road Block ID	Street Name	Suburb
1240#2	LEON CLOSE	BRINSMEAD
1284#7	LORIDAN DRIVE	BRINSMEAD
1378#2	MARSHALL STREET	BUNGALOW
1946#23.1	SHERIDAN STREET	CAIRNS NORTH
1946#37.1	SHERIDAN STREET	CAIRNS NORTH
1208#25	LAKE STREET	CBD
2188#5	ARLINGTON ESPLANADE	CLIFTON BEACH
1216#2	LARK CLOSE	CLIFTON BEACH
5994#1	SAUNDERS COURT	CLIFTON BEACH
1540#15.1	MULGRAVE ROAD	EARLVILLE
1739#3	PITT COURT	EARLVILLE
1739#4	PITT COURT	EARLVILLE
3084#1	COLLINS/WOODWARD R'bout	EDGE HILL
2062#1	SWALLOW ROAD	EDMONTON
435#2	CLEARY CLOSE	GORDONVALE
984#2	HIVES STREET	GORDONVALE
479#2	COOLUM CLOSE	KEWARRA BEACH
1755#6	POOLWOOD ROAD	KEWARRA BEACH
2318#1	WONGA CLOSE	KEWARRA BEACH
1403#1.4	MAYTOWN CLOSE	MANOORA
284#2	BUCAS COURT	MOOROOBOOL
871#2	GREENFIELD CLOSE	MOOROOBOOL
2100#1	TEREBRA STREET	PALM COVE
1180#1	KNIGHT STREET	PORTSMITH
1180#1.4	KNIGHT STREET	PORTSMITH
5753#2	RIVERVIEW PARK ROAD	REDLYNCH
5613#2	COOK HWY SERVICE ROAD	SMITHFIELD
1653#1	OYSTER COURT	TRINITY BEACH
1696#1	PEACOCK STREET	TRINITY BEACH
1964#1	SIRENS COURT	WHITE ROCK
1271#1.4	LOCKWOOD CLOSE	WHITFIELD
2328#20	WOOPEN CREEK ROAD	WOOPEN CREEK
1376#1	MARSH STREET	WOREE
1075#1	JANETT STREET	YORKEYS KNOB
1812#2	RAY STREET	YORKEYS KNOB