



LATE ITEMS INFRASTRUCTURE COMMITTEE MEETING

AGENDA

5 AUGUST 2015

Your attendance is required at a meeting of the Infrastructure Committee to be held in the Council Chambers, 232 Bolsover Street, Rockhampton on 5 August 2015 commencing at 3:00pm for transaction of the enclosed business.

A handwritten signature in black ink, appearing to be "C. R.", written in a cursive style.

CHIEF EXECUTIVE OFFICER
4 August 2015

Next Meeting Date: 02.09.15

Please note:

In accordance with the *Local Government Regulation 2012*, please be advised that all discussion held during the meeting is recorded for the purpose of verifying the minutes. This will include any discussion involving a Councillor, staff member or a member of the public.

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8 OFFICERS' REPORTS

8.4 ANNUAL ROAD RESEAL STREET LISTING

File No: 8396

Attachments:

1. Proposed list of roads for reseal for 2015/16 - Rockhampton Slurry
2. Proposed list of roads for reseal for 2015/16 - Rockhampton Asphalt
3. Proposed list of roads for reseal for 2015/16 - Gracemere
4. Proposed list of roads for reseal for 2015/16 - Mt Morgan
5. Proposed list of roads for reseal for 2015/16 - Rural

Authorising Officer: Robert Holmes - General Manager Regional Services

Author: David Bremert - Manager Civil Operations

SUMMARY

Council undertakes an annual reseal program each year to ensure the roads are maintain at an adequate service level that can be afforded in the budget.

The annual reseal program includes asphalt resurfacing, the slurry seal program and our normal reseals of roads in the rural areas.

OFFICER'S RECOMMENDATION

THAT Council endorse the list of roads for reseals for 2015/16.

COMMENTARY

Council Asset Management section has prepared a list of roads that required reseal for the 2015/16 year.

As part of this, Civil Operation Engineers inspect each road and others throughout the Council area to confirm and determine which roads can wait and which ones are required to be undertaken.

Based on the initial list from Asset Management and the visual inspections of the roads, a proposed listing of roads has been determined. See Attachment.

BUDGET IMPLICATIONS

Council's approved budget an allocation of \$4,900,000 has been allocated.

The proposed roads for reseal will not exceed the approved budget amount.

STAFFING IMPLICATIONS

Council staff will be undertaking the pre-seal repairs between mid-July and October 2015. A contractor will come and spray PMB seal on roads in November 2015, asphalts will be completed by Christmas and the slurry seals in April to June 2016. This program is developed based on contractor availability.

RISK ASSESSMENT

Weather is a risk to these dates, as the PMB seal require warm temperature to spray and require at least 1-2 months to settle before the slurry seal can be undertaken.

CORPORATE/OPERATIONAL PLAN

These works are undertaken to enable asset to operate to an acceptable service level.

CONCLUSION

That the proposed list of roads for reseals (Asphalt overlays, slurry seals, PMB seals and normal reseals) enable Council to maintain the road assets at an acceptable service level.

That Council endorses the proposed list of roads for reseals for 2015/16.

ANNUAL ROAD RESEAL STREET LISTING

Proposed list of roads for reseal for 2015/16 - Rockhampton Slurry

Meeting Date: 5 August 2015

Attachment No: 1

Proposed Urban slurry seals for 15-16 - note pre seal repairs up to October then spray seal before christmas. Slurry seal in April.

Road Name	Location	DIV	From	To	Length m	Width m	Area m ²
Bakara Street	Wandal	5	Herbert Street	Bapaume Street	250	9.5	2375
Bapaume Street	Wandal	5	Boisy Street	Rundle Street	245	7.1	1739.5
Boisy Street	Wandal	5	Barambah Street	Turner Road	250	8	2000
Boonah Street	Wandal	5	Barambah Street	Bapaume Street	160	9.4	1504
Duncan Street	Wandal	5	Hamilton Avenue	Lion Creek Road	105	10.0	1,050
Hamilton Avenue	Wandal	5	Duncan Street	Lion Creek Road	310	10.0	3,100
Heath Street	Wandal	5	Naughton Street	Jardine Street	210	9.8	2,058
Heath Street	Wandal	5	Jardine Street	Little Oakley Street	185	8.3	1,536
Herbert Street	Wandal	5	Knutsford Street	Mansfield Street	85	9.5	807.5
Kingel Street	Wandal	5	Morrison Street	Wandal Road	175	9.5	1662.5
Knutsford Street	Wandal	5	Herbert Street	Jardine Street	352	9.2	3,238
Lanigan Street	Wandal	5	Jardine Street	Oakely Street	185	10.0	1,850
Lanigan Street	Wandal	5	Oakely Street	Norman Street	150	10.0	1,500
Luck Avenue	Wandal	5	Lion Creek Road	7 Luck Avenue	430	9.4	4042
Morrison Street	Wandal	5	Bracher Street	Kingel Street	90	9.5	855
Oakley Street	Wandal	5	Rundle Street	Jones Street	220	9.4	2,068
Harrow Street	West Rockhampton	5	Denham Street Ext	End	190	7.6	1444
Lund	West Rockhampton	5	Melbourne Street	North Street	95	9.0	855
Melbourne Street	West Rockhampton	5	Lund Street	Victoria Street	191	6.7	1,280
Arnold Street	Allenstown	6	Fitzroy Street	Archer Street	208	6.0	1,248
Brae-Ross Street	Allenstown	6	Upper Dawson Road	Davis Street	210	9.3	1953
Denham Terrace	Allenstown	6	Fitzroy Street	Denham Street	240	6	1440
Nicholson Street	Allenstown	6	Upper Dawson Road	Costello Street	210	13.5	2835
Oswald Street	Allenstown	6	Upper Dawson Road	Lower Dawson Road	330	9.4	3102
South Street	Allenstown	6	Murray Street	West Street	115	12.0	1,380
Talford Street	Allenstown	6	Archer Street	Fitzroy Street	210	10.6	2226
Ward Street	Allenstown	6	Upper Dawson Road	Henry Street	120	9	1080
West Street	Allenstown	6	South Street	203 West Street	80	11.6	928
Martha Street	The Range	6	Spencer Street	End	60	7.2	432
Pennycuik Street	The Range	6	Considine Street	Schofeild Street	140	7.9	1106
Pennycuik Street	The Range	6	Archer Street	Hawkins Street	88	7.9	695.2
Schofield Street	The Range	6	Pennycuik Street	Cul-de-sac	45	11.5	517.5
Spencer Street	The Range	6	Agnes Street	Botanic Gardens	205	9.5	1947.5
West Street	The Range	6	Cambridge Street	Archer Street	200	10.4	2080
West Street	Wandal	6	Albert Street	North Street	210	10.1	2121
Catt Court	Kawana	7	Orr Avenue	Cul-de-sac	55	14	770
Duffy Street	Kawana	7	Stanlake Avenue	Richardson Rd	330	7.6	2508
Orr Avenue	Kawana	7	Carlton Street	Cul-de-sac	215	7.6	1634
Price Avenue	Kawana	7	Roundabout	Carlton Street	145	14.0	2,030
Shillam Street	Kawana	7	Pillich Street	Price Avenue	200	7.7	1,540
Webber Avenue	Kawana	7	Richardson Road	8/10 Webber Avenue	430	7.6	3,268
Bank Street	Park Avenue	7	Hadgraft Street	End	130	11.7	1521
Buckle Street	Park Avenue	7	Edgar Street	Haynes Street	265	9.5	2,518
Edgar Street	Park Avenue	7	Main Street	Hogan Street	340	8.1	2754
Hadgraft Street	Park Avenue	7	MacAlister Street	End	130	9.6	1248
Highway Street	Park Avenue	7	Glenmore Road	Renshaw Street	115	9.4	1081
Hogan Street	Park Avenue	7	Haynes Street	Edgar Street	350	9.6	3360
Lauga Street	Park Avenue	7	Haynes Street	Rail line	160	5.8	928
Lauga Street	Park Avenue	7	White Street	Taylor Street	190	5.8	1,102
MacAlister Street	Park Avenue	7	Thompson Street	Hadgraft Street	115	11.5	1322.5
Parris Street	Park Avenue	7	Thompson Street	Cul-de-sac	205	7.7	1578.5

Renshaw Street	Park Avenue	7	Highway Street	Main Street	125	12	1500
Wattle Street	Park Avenue	7	16 Wattle Street	End	160	9.3	1488
Belmont Road	Parkhurst	7	Edenbrook Drive	39/41 Belmont Road	1310	6	7860
Armstrong Lane	Berserker	8	Edward Street	104 Musgrave Street	195	6.8	1,326
Armstrong Street	Berserker	8	Musgrave Street	Spike Street	334	9.8	3273.2
Donnolan Street	Berserker	8	Hook Street	Clanfield Street	295	9.4	2773
Earl Street	Berserker	8	Georgeson Street	End	155	7.9	1224.5
Fitzpatrick Street	Berserker	8	Edward Street	Musgrave Street	210	9.6	2,016
Hook Street	Berserker	8	High Street	End	500	9.6	4,800
Hutton Street	Berserker	8	Simpson Street	Talbort Street	140	9.4	1,316
Leamington Street	Berserker	8	Ford Street	Pine Street	140	9.5	1330
Livingstone Street	Berserker	8	Phillips Street	Berserker Street	575	9.9	5692.5
Marie Street	Berserker	8	Skardon Street	End	140	9.3	1302
Nobbs Street	Berserker	8	Elphinstone Street	Charles Street	300	9.4	2820
Noel Street	Berserker	8	High Street	Wooster Street	245	9.5	2327.5
Phillips Street	Berserker	8	Elphinstone Street	Edington Street	180	10.0	1,800
Randwick Street	Berserker	8	Rodboro Street	End	66	6.4	422
Rodboro Street	Berserker	8	151 Rodboro Street	Berserker Street	255	9.6	2,448
Rodboro Street	Berserker	8	Berserker Street	Nobbs Street	150	10.0	1,500
Rodboro Street	Berserker	8	Nobbs Street	Randwick Street	140	9.0	1,260
Rodboro Street	Berserker	8	Randwick Street	Mckean Street	75	9.6	720
Skardon Street	Berserker	8	Marie Street	Edington Street	135	4.2	567
Stamford Street	Berserker	8	Skardon Street	Berserker Street	360	9.5	3420
Stamford Street	Berserker	8	Dean Street	Bawden Street	260	9.5	2470
Wooster Street	Berserker	8	Clanfield Street	Berserker Street	380	9.4	3572
Wooster Street	Berserker	8	Clanfield Street	Dean Street	80	9.4	752
McDougall Street	Koongal	8	Thozet Road	Codd Street	175	7.6	1,330
Atherton Street	Norman Gardens	9	Barrett Street	Capricorn Crescent	285	7.7	2194.5
Bulman Street	Norman Gardens	9	Farm Street	29/31 Bulman Street	260	10.5	2,730
Callaghan Street	Norman Gardens	9	Bruigom Street	MacNevin Street	165	7.6	1,254
Cheney Street	Norman Gardens	9	German Street	Pummell Street	200	7.2	1440
D'Hage Street	Norman Gardens	9	Bruigom Street	Cul-de-sac	30	13	390
Doblo Avenue	Norman Gardens	9	Bruigom Street	10/12 Doblo Avenue	150	7.6	1,140
Dunbavan Place	Norman Gardens	9	Bulman Street	Cul-de-sac	90	7.0	630
Forday Street	Norman Gardens	9	Bruigom Street	Cul-de-sac	30	13.0	390
Halligan Crescent	Norman Gardens	9	Wright Street	End	300	7.3	2190
Langford Street	Norman Gardens	9	Feez Street	End	165	7.8	1287
Marcellin Court	Norman Gardens	9	Wright Street	Cul-de-sac	90	9.2	828
Wafer Court	Norman Gardens	9	Feez Street	Cul-de-sac	60	11.8	708
Wright Street	Norman Gardens	9	German Street	End	245	7.5	1837.5
Alfred Road	Parkhurst	9	McMillan Avenue	End	640	5.5	3520
Mason Avenue	Parkhurst	9	Yaamba	Hotham Cl	110	10.0	1,100
Beal Avenue	Frenchville	10	Shields Avenue	Cul-de-sac	30	14.0	420
Bloxsom Street	Frenchville	10	Wiltshire	End	500	7.6	3,800
Brigg Street	Frenchville	10	Plahn	Kerrigan Street	90	10.4	936
Diggers Lane	Frenchville	10	Robinson Street	End	110	7.0	770
Findlay Street	Frenchville	10	Bloxsom Street	Cul-de-sac	35	14.5	507.5
Guymer Street	Frenchville	10	Brigg Street	Beserker Street	250	7.6	1,900
Harding Street	Frenchville	10	Bloxsom Street	Cul-de-sac	55	11	605
Harrison Street	Frenchville	10	Diplock	End	350	7.8	2,730
McRae Place	Frenchville	10	Wigginton	End	125	8.6	1,075
Plahn Street	Frenchville	10	Berserker Street	154/156 Plahn Street	325	9.3	3,023
Robinson Street	Frenchville	10	Dean Street	Diggers Lane	285	8.8	2,508
Robinson Street	Frenchville	10	Diggers Lane	Berserker Street	215	8.8	1,892
Scully Street	Frenchville	10	Wehmeier Street	End	70	5.0	350
Shields Avenue	Frenchville	10	Bloxsom Street	Labanka Close	130	7.5	975
Webb Street	Frenchville	10	Bloxsom Street	Cul-de-sac	55	11	605
Wigginton Street	Frenchville	10	Thozet	Halford	715	9.0	6,435
Zemlicoff Street	Frenchville	10	Wigginton Street	Cul-de-sac	115	7.5	862.5

23,279 m

201,560 m2

ANNUAL ROAD RESEAL STREET LISTING

**Proposed list of roads for reseal for
2015/16 - Rockhampton Asphalt**

Meeting Date: 5 August 2015

Attachment No: 2

Proposed Urban asphalt seals for 15-16 - note preseal repairs up to October Asphalt overlays by December.

Road Name	Location	DIV	From	To	Length m	Width m	Area m ²
Dean Street (Asphalt Repairs)	Berserker	8	Elphinstone Street	Frenchville Road	390		7800
Geroge Street	Rockhampton City	6	William Street	Bruce Highway	56	6	336
Victoria Place	Berserker	8	High Street	Blanchard Street	50	9.6	480
Upper Dawson Road	The Range	6	Cemetry Carpark	Church Street	250	11	2750
High Street	Berserker	8	Berserker Street	Clanfield Street	400	11	4400
Archer Street	Rockhampton City	6	East Street	Quay Street	60	21	1260
Canning Street	Allentown	6	Fitzroy Street	Archer Street	230	18.3	4200
Thozet Road	Koongal	10	Wigginton Street	Zervos Avenue	360	12	4320
					1796	m	25546

ANNUAL ROAD RESEAL STREET LISTING

Proposed list of roads for reseal for 2015/16 - Gracemere

Meeting Date: 5 August 2015

Attachment No: 3

Proposed Gracemere slurry seals for 15-16 - note pre seal repairs up to October. Slurry seal in April to June.

Road Name	Location	DIV	From	To	Length m	Width m	Area m ²
Archer Road	Gracemere	4	McLaughlin Street	Old Capricorn Highway	380	9	3420
Arlott Street	Gracemere	4	Stover Street	Bland Street	270	7	1890
Breakspear Street	Gracemere	4	41/45 Breakspear Street	Victoria Street	550	11	6050
Charles Crescent	Gracemere	4	Johnson Road	5/7 Charles Crescent	100	7	700
Cherryfield Road	Gracemere	4	Johnson Road	60 Cherryfield Road	584	5	2920
Fenwick Street	Gracemere	4	Conaghan Street	Victoria Street	460	7	3220
Fisher Street	Gracemere	4	Johnson Road	Platen Street	470	8.6	4042
Ian Besch Crescent	Gracemere	4	Fisher Street	Crossing	350	5.5	1925
James Street	Gracemere	4	Platen Street	Arther Street	100	6	600
Jillian Court	Gracemere	4	Old Capricorn Highway	Cul-de-sac	160	7	1120
John Street	Gracemere	4	Lawrie Street	James Street	220	8.2	1804
Labanka Crescent	Gracemere	4	7 Labanka Crescent	Cul-de-sac	260	6	1560
Lawrence Crescent	Gracemere	4	Johnson Road	1 Lawerence Crescent	50	7.2	360
Lucas Street	Gracemere	4			380	5	1900
Mallet Street	Gracemere	4	Russell Street	Cul-de-sac	130	7	910
McLaughlin Street	Gracemere	4	Periman Street	Capricorn Highway	850	6	5100
Old Capricorn Highway Service Lane	Gracemere	4	Old Capricorn Highway	Reservoir Street	165	5.2	858
O'Shanesy Street	Gracemere	4	26-28 O'Shanesy Street	15 O'Shanesy Street	280	6	1680
Perriman Street	Gracemere	4	McLaughlin Street	Cul-de-sac	85	7	595
Platen Street	Gracemere	4	Lawrie Street	James Street	130	8	1040
Platen Street	Gracemere	4	Lawrie Street	Fisher Street	460	7	3220
Sage Street	Gracemere	4	Origano Avenue	Cul-de-sac	220	7.7	1694
Sunset Drive	Gracemere	4	McLaughlin Street	Cul-de-sac	130	7.3	949
Thora Street	Gracemere	4	Stover Street	Arlott Street	250	7.2	1800
Ward Street	Gracemere	4	Stover Street	Arlott Street	260	7.2	1872
Whitman Street	Gracemere	4	Stover Street	Conaghan Street	270	6	1620
					7564 m		52849 m ²

ANNUAL ROAD RESEAL STREET LISTING

Proposed list of roads for reseal for 2015/16 - Mt Morgan

Meeting Date: 5 August 2015

Attachment No: 4

Proposed Mt Morgan slurry seals for 15-16 - note pre seal repairs up to October then reseal before christmas.

Road Name	Location	DIV	From	To	Length m	Width m	Area m ²
Dee Street	Mt Morgan	5	East Street	Edward Street	700	7	4900
Glen Gorden Street	Mt Morgan	5	James Street	End	480	5.2	2496
Gordon Lane	Walterhall	5	Joyce Street	James Street	230	6	1380
Morgan Street	Mt Morgan	5	East Street	Black Street	210	5	1050
Pugh Street	Mt Morgan	5	Byrnes Parade	Henry Street	80	5	400
Queen Street	Mt Morgan	5	Limerick Road	Lyons Road	415	4.7	1950.5
River Street	Mt Morgan	5	Chardon Street	Hinton Street	265	5.5	1457.5
Staunton Street	Mt Morgan	5	MacFarlane Street	Gilmore Street	230	4.8	1104
William Street	Mt Morgan	5	East Street Ext	39 William Street	920	5	4600
					3530	m	19338
							m ²

ANNUAL ROAD RESEAL STREET LISTING

Proposed list of roads for reseal for 2015/16 - Rural

Meeting Date: 5 August 2015

Attachment No: 5

Proposed Rural reseals for 15-16 - note preseal repairs up to October then spray seal before Christmas.

Road Name	Location	DIV	ROAD No.	Length m	Width m	Area m ²
SUNRAY	Bouldercombe	4	1108	300	4	1200
TOONDA	Bajool	4	1014	390	5	1950
ALLEN	Gracemere	4	1080	140	6	840
ALLEN	Gracemere	4	4042	810	6	4860
AREMBY - 2.37 - 2.76	Bouldercombe	4	1048	600	4	2400
AREMBY - 2.76 - 3.66	Bouldercombe	4	1048	900	6	5400
AREMBY - 6.73 - 6.95	Bouldercombe	4	1048	220	6	1320
BOB'S CREEK - 1.63 - 2.38	Bajool	4	1043	750	4	3000
BROWN CLOSE	Gracemere	4	2104	170	4	680
CHRISTIANSEN	Marmor	4	1001	550	3.5	1925
FOUR MILE 00 - 0.6	Kabra	4	1072	600	6	3600
HEWILL DRIVE	Gracemere	4	2084	680	6	4080
McEVOY	Kabra	4	1074	2180	6	13080
McKENZIE - 0.00 - 1.64	Altondowns	5	3045	1640	6	9840
MOGILNO - 4.00 - 4.50	Midgee	4	1047	500	6	3000
MOGILNO - 5.55 - 5.57	Midgee	4	1047	20	5	100
MOONMERA STREET	Kabra	4	2157	300	5	1500
MORGAN STREET - 1.20 - 1.34	Kabra	4	2151	1340	6	8040
OLD COACH 00 - 0.185	Bajool	4	1018	350	5.3	1855
SOUTH ULAM 11.16 - 12.49	Bajool	4	1026	1330	6	7980
WASHPOOL RD	Gracemere	4		520	4	2080
				14290	m	78730

m2

8.5 PILBEAM DRIVE - NATURAL DISASTER RELIEF AND RECOVERY ARRANGEMENTS TC MARCIA PROJECT

File No: 11543
Attachments: Nil
Authorising Officer: Robert Holmes - General Manager Regional Services
Author: David Bremert - Manager Civil Operations

SUMMARY

This report outlines the current status of funding submissions, investigation and design work in relation to the repairs required to Pilbeam Drive and associated infrastructure and adjacent areas under the Natural Disaster Relief and Recovery Arrangements (NDRRA) as a result of TC Marcia. The report is submitted for the Committee's information.

OFFICER'S RECOMMENDATION

That the contents of the Pilbeam Drive – NDRRA TC Marcia project report be noted.

COMMENTARY

This report outlines the current status of funding submissions, investigation and design work in relation to the repairs required to Pilbeam Drive and associated infrastructure and adjacent areas under the Natural Disaster Relief and Recovery Arrangements (NDRRA) as a result of TC Marcia.

BACKGROUND

Pilbeam Drive is almost 5km in length and serves as access for both locals and tourists to the summit of Mount Archer, as well as for residents who live in proximity to the summit. The roadway also provides a route for services, including overhead power, water supply and vital telecommunications facilities located atop Mount Archer.

The road suffered significant damage from the recent TC Marcia event. There have been 146 defects recorded including slips, scoured table drains, blocked culverts, pavement damage and debris build-up. The defects include a total of twenty-six (26) landslips ranging in severity from minor soils slumps to significant road failures. The two (2) most significant sites at Chainages CH830m and CH3813m require significant remediation works.

The works carried out under the NDRRA Guidelines are to comply with the following NDRRA policy:

Policy provides provision for the restoration of essential public assets to pre-disaster standard/level of service, in accordance with current engineering standards/requirements and building codes/guidelines, while maintaining the same asset class and/or asset immunity level.

A funding submission has been submitted under the Natural Disaster Relief and Recovery Arrangements (NDRRA) for Category B - the Restoration of Essential Public Assets (REPA). The funding request of \$7.047 million is detailed in a "Form 4" request to the Queensland Reconstruction Authority (QRA) which is summarised in Table 1 following and is based on QRA approved rates.

Table 1: Current Form 4 Request (REPA)

Item	Estimated Cost (Ex GST)
Minor slips	\$ 2,987,000.00
Major slips	\$ 1,400,000.00
Asphalt / Pavement	\$ 280,000.00
Other*	\$ 217,438.00
Investigation and Design (Cardno)	\$ 200,000.00
Sub Total	\$ 5,084,438.00
Project Management (RRC and Cardno)	\$ 508,443.00
Escalation	\$ 279,644.00
Contingency	\$ 1,174,503.00
Total	\$ 7,047,028.00
* Replace kerb or headwalls, reshape table drains, clearing, pipe cleaning	

The QRA will assess the funding submission and advise whether all or part of the REPA submission is approved. The form was submitted on the 24 July 2015 and it is expected that QRA will take between 2 and 4 weeks to evaluate and respond.

Designs for the 2 major slip areas and preparation of tender documentation are well advanced. However, these tasks will potentially be influenced by the scope of works which QRA approves. The potential for betterment work may also influence the contract scope of works.

BETTERMENT

The NDRRA definition of betterment is:

The restoration or replacement of the asset to a more disaster-resilient (increased immunity level) standard than its pre-disaster standard.

A \$20 million Betterment Fund is available to Councils activated for NDRRA assistance as a result of TC Marcia. The \$20 million Betterment Fund has been funded with \$10 million from the Queensland Government and \$10 million from the Australian Government.

An expression of interest to QRA has been made for \$4.181 million of betterment for Pilbeam Drive as broken down in Table 2. These works are listed in priority order.

Table 2: Current Betterment Expression of Interest

Item	Proposed Priority listing in Councils submission	Estimated Cost (Ex GST)
Provide Concrete lined Table Drains	2	\$ 500,000.00
Drainage	3	\$ 1,100,000.00
Landslip Zone Stabilization	12	\$ 2,431,000.00
Helipad to the summit	38	\$ 150,000.00
Debris Fences		Not costed
Total		\$ 4,181,000.00

A formal report to Council, with the proposed list of Councils proposed Betterment projects will be presented at the next Ordinary Council meeting on 11 August.

TENDERING AND CONSTRUCTION ISSUES

Some of the factors the tender documentation and contract delivery approach must address are:

- scope uncertainty in relation to the slips which may not have defined treatments until they are opened up. Rates for a number of approved treatments are proposed with support from a geotechnical engineer to design the appropriate treatment where necessary;
- short road closures for construction purposes may be permitted. However, the duration and frequency of any closures must be kept to a minimum determined in consultation with local residents; and
- the inclusion of betterment work, should this come to fruition, will require consideration as to how to incorporate into the contract (presumably as a large variation). It will be necessary to commence the procurement construction of REPA work before the approved betterment work is known.

Local Content

The intention is to specify Department of Transport and Main Roads prequalification for contractors who may tender on the project given the specialist work involved in embankment stabilisation. Given that no local contractors hold this prequalification a specific clause is proposed to allow them to be considered provided that capability to carry out the specialist work can be demonstrated. Given the nature of the work and the potential size of the contract it is also possible that local contractors will form alliances with larger contractors to deliver the work.

The tender evaluation criteria are proposed to include a 15% local weighting to take into account:

- Council's local preference policy; and
- The use of local contractors, sub-contractors and suppliers.

ENVIRONMENTAL

A threatened flora survey was undertaken with the threatened flora species *Cycas Ophiolitica* (Marlborough Blue) being identified. Approximately 42 plants have been identified as at risk of impact by the proposed works. It has been recommended that the works be referred to the Commonwealth Minister for the Environment under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). It is important that the works do not commence until the Commonwealth approval is received and the requirements are clear.

It is likely that the translocation of cycads to an agreed location will be approved and liaison has already commenced with Australian Natives organization which is experienced in this work. The preferred translocation is to the park area between Frenchville Road and Frenchmans Creek.

There is a further layer of approvals (involving clearing and harvesting permits) required under the Nature Conservation Act. The Department of Environment and Heritage Protection (EHP) administers these requirements.

Stakeholder managements is important and ongoing contact and liaison is occurring with the Commonwealth Department of Environment and Queensland Government Department of Environment & Heritage Protection and Queensland Parks & Wildlife Services.

BUDGET IMPLICATIONS

The original Cardno approved budget was \$225,946. Approved variations bring the current budget to \$322,093. Cardno costs are expected to be well contained within the REPA funding parameters.

This work will not have any impact on Council Budget. It is proposed that this work will need to be tendered out due to the specialized nature of much of the work.

TIMING AND IMPLICATIONS

A number of tasks involved in the investigation and design process have been more complex than expected including the preparation of the QRA/NDRRA Form 4 and environmental requirements. Some important current predicted milestone dates are:

- End of August – QRA approves Form 4
- Two weeks after approval – Release of Tender
- Eight weeks after approval – Tender Award

It is important to note that no betterment investigation or design has been assumed in these timelines. A standard 20 business day period has been allowed for a response in relation to the EPBC Referral but there is concern that the Federal Government could take longer to respond which will further delay the works. If the approved REPA funding is significantly different to the requested funding then this may further delay the tender document preparation, procurement and commencement.

It is recognised that the delay in getting action on the ground may cause some issues from residents. It is therefore important to communicate with residents to explain the reasons for the delay.

RISK ASSESSMENT

The following matters have been identified as potential risks for the project going forward. The list is not exhaustive:

- There is an ongoing risk of falling debris and reduced road width. Currently the road is subject to stop light controls at both of the major slip sites. Weekly inspections are being carried out along the road length;
- There is a risk QRA and Department of Environment (DoE) approvals will take longer than expected. This will in turn delay the commencement date of construction works;
- There is a risk that tender documentation requirements could be significant depending on what QRA approve. This could further delay the calling of tenders and the commencement date of construction works;
- Council will bear the cost for any budget overruns in relation to betterment work. The intended strategy is to prioritise all betterment works and contract for these works to be carried up to a “defined upper limit”;

- There is a risk that damage to the endangered cycads could cause embarrassment and potential fines. To minimise this risk it is proposed that the cycads within areas likely to be affected are relocated before the commencement of construction works. Mechanisms will be built into the contract to identify and relocate any additional cycads which may come to light during the construction works.

CONCLUSION

Pilbeam Drive is a public road providing access from the Rockhampton suburb of Frenchville up to the top of Mount Archer and suffered significant damage from the recent Cyclone Marcia event in February 2015.

This report outlines the progress of investigation, design and findings of the proposed restoration works of essential public assets in Pilbeam Drive in Rockhampton.