

## Andrew Fairley Avenue - Traffic Analysis Report - Final Version

### Moderate Priority Works - Indicative costs for traffic management treatments

Priority	Item	Location	Description	Indicative Cost \$	Indicative cost including 20% contingencies & 7% design costs	Sub-total including 20% contingencies & 7% design costs
M	3	<b>New Dookie Rd / Wheeler St</b> Install traffic lights and modify intersection layout	Traffic signals, controller and programming Road signage & linemarking	\$190,000 \$5,000	\$241,300 \$6,350	<b>\$247,650</b>
M	11	<b>Old Dookie Rd/Mitchell St</b> Install traffic signals linked with Old Dookie Rd/Wheeler St traffic signals	Traffic signals, controller and programming Road signage & linemarking	\$200,000 \$1,000	\$254,000 \$1,270	<b>\$255,270</b>
M	12	<b>Lockwood Rd/Midland Hwy</b> Land acquisition and widen road pavement for left hand turn queing	Remove kerb and construct new kerb (80m) Construct new pavement for left hand turning lane (185sm @300\$/sm) Relocate services New drainage Land acquisition (200sm @ \$250/sm) and legal costs	\$10,000 \$55,500 \$20,000 \$10,000 \$50,000	\$12,700 \$70,485 \$25,400 \$12,700 \$63,500	<b>\$184,785</b>
M	13	<b>Old Dookie Rd/Lockwood Rd</b> Land acquisition and widen pavement on south-east corner for left turning traffic	Remove kerb & construct new kerb (25m) Remove footpath & construct new footpath (20m) & crossing (1) Construct new pavement at corner & along kerb (45sm @400\$/sm) Relocate services New drainage Land acquisition (200sm @ \$250/sm) and legal costs	\$3,000 \$3,500 \$18,000 \$20,000 \$5,000 \$50,000	\$3,810 \$4,445 \$22,860 \$25,400 \$6,350 \$63,500	<b>\$126,365</b>
<b>Total Indicative Cost</b>						<b>\$814,070</b>

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### High Priority Works - Indicative costs for traffic management treatments

Priority	Item	Location	Description	Indicative Cost \$	Indicative cost including 20% contingencies & 7% design costs	Sub-total including 20% contingencies & 7% design costs
H	1	<b>Fryers St / Railway Pde intersection</b> Replace roundabout with traffic lights	Remove roundabout and footpaths Traffic signals, controller and programming New pavement: central roundabout island (200 sm @ \$250) New kerb & reinstate pavement (20m) New footpath (200m) Relocate services Drainage (100m) Street lighting	\$100,000 \$200,000 \$50,000 \$6,000 \$20,000 \$50,000 \$50,000 \$60,000	\$127,000 \$254,000 \$63,500 \$7,620 \$25,400 \$63,500 \$63,500 \$76,200	<b>\$680,720</b>
H	2	<b>Fryers St railway crossing</b> Straighten Fryers St over railway line <b>AND</b> <b>Fryers St / Thompson St intersection with traffic signals</b> Install traffic signals at Fryers St / Thompson St intersection	Relocate railway crossing infrastructure and re-commission railway crossing Drainage (100m) Traffic signals, controller and programming New pavement: north-west (100 sm @ \$320/sm) New pavement: north-east (550 sm @ \$150/sm) Relocate services New kerb & reinstate pavement (200m) Street lighting	\$150,000 \$50,000 \$200,000 \$32,000 \$83,000 \$50,000 \$60,000 \$50,000	\$190,500 \$63,500 \$254,000 \$40,640 \$105,410 \$63,500 \$76,200 \$63,500	<b>\$857,250</b>
H	4	<b>New Dookie Rd / Verney Rd / Balaclava Rd / Hawdon St roundabout</b> Replace roundabout with traffic lights	Remove roundabout and footpaths New pavement: central roundabout island (310 sm @ \$225) New pavement: splitter islands (215 sm @ \$270) New kerb & reinstate pavement (65m) New footpath (10m) & crossings Traffic signals, controller and programming Relocate services Drainage Street lighting	\$100,000 \$70,000 \$60,000 \$13,000 \$2,000 \$200,000 \$50,000 \$15,000 \$60,000	\$127,000 \$88,900 \$76,200 \$16,510 \$2,540 \$254,000 \$63,500 \$19,050 \$76,200	<b>\$723,900</b>
H	5	<b>Lockwood Road</b> Introduce clearway conditions to restrict parking	Install new signage - all of Lockwood Road (670m)	\$7,000	\$8,890	<b>\$8,890</b>
H	6	<b>Mitchell Street</b> Introduce clearway conditions to restrict parking	Install new signage - all of Mitchell Street (790m)	\$8,000	\$10,160	<b>\$10,160</b>
H	7	<b>Florence Street</b> Introduce clearway conditions to restrict parking	Install new signage - parts of Lockwood Road near intersections	\$3,000	\$3,810	<b>\$3,810</b>
H	8	<b>Wheeler Street</b> Introduce clearway conditions to restrict parking	Install new signage - Wheeler Street near Old Dookie inter & north of railway	\$4,000	\$5,080	<b>\$5,080</b>
H	9	<b>Railway Pde/Hawdon St/Knight St roundabout</b> Block of access to Andrew Fairley: construct kerb and install signage	Relocate railway crossing infrastructure: boom gates and pedestrian mazes New kerb (30m) & re-instate pavement Remove pavement north-east corner (40sm) & re-instate New footpath (30m) New fencing along west side of railway reserve (20m) Drainage Road signage & linemarking	\$100,000 \$10,000 \$4,000 \$3,000 \$4,000 \$10,000 \$2,000	\$127,000 \$12,700 \$5,080 \$3,810 \$5,080 \$12,700 \$2,540	<b>\$168,910</b>
H	10	<b>Andrew Fariley Ave/Adams Ave intersection</b> Block of access to Andrew Fairley: construct kerb and install signage	New kerb (30m) & re-instate pavement New footpath (25m) & crossings Drainage Road signage & linemarking	\$10,000 \$3,500 \$10,000 \$1,000	\$12,700 \$4,445 \$12,700 \$1,270	<b>\$31,115</b>
<b>Total Indicative Cost</b>						<b>\$2,489,835</b>