

Project Scope – Dixalea Deeford Road – Drainage

Project Name: Dixalea Deeford Road Drainage Infrastructure Repair/Replacement

Description of Project: Clearing, reinstatement, repair and replacement of drainage infrastructure along Dixalea Deeford Road. Works include the reinstatement and/or clearing of drains, the reinstatement of rock protection of culvert outlets, the replacement of damaged reinforced concrete culverts and end structures and the reinstatement of the road/shoulder of the road.

Construction Notes: Works are to be completed so as to minimised the interruption to the flow of traffic along Dixalea Deeford Road.

Project Scope:

Location	Description of Works	Item	Estimated Quantity
CH 630	<ul style="list-style-type: none"> Clearing of the inlet and outlet of the culvert 	Excavation and disposal of spoil	3 m3
	<ul style="list-style-type: none"> Rock Protection for Outlet 	Supply and Placement of 300mm rock	2 m3
CH 930	<ul style="list-style-type: none"> Clearing of the inlet and outlet of the culvert 	Excavation and disposal of spoil	3 m3
CH1480	<ul style="list-style-type: none"> Supply and Installation of new headwalls 	Supply and Installation of headwalls suitable for 375mm dia RCP – including removal and disposal of existing damaged headwalls	2 each
	<ul style="list-style-type: none"> Replacement of existing length of pipe 	Excavation and disposal of spoil	4.5 m3
		Removal and disposal of 375mm RCP	2.4 m
		Supply and installation of 375mm dia RCP	2.4 m
		Reinstatement of road with type 2.1 gravel	2.5 m3

		2 coat bitumen Seal (16/10)	5 m2
	<ul style="list-style-type: none"> Clearing of the inlet and outlet of the culvert 	Excavation and disposal of spoil	2 m3
	<ul style="list-style-type: none"> Reshape Table drain to ensure positive flow (provisional length of 75m) 	Excavation and disposal of spoil	3 m3
1630	<ul style="list-style-type: none"> Supply and Installation of new headwalls 	Supply and Installation of headwalls suitable for 375mm dia RCP- including removal and disposal of existing damaged headwalls	2 each
	<ul style="list-style-type: none"> Clearing of the inlet and outlet of the culvert 	Excavation and disposal of spoil	5 m3
	<ul style="list-style-type: none"> Reshape Table Drains between the pipe crossing Dixalee Deeford Road and the pipe crossing Hendersons Road 	Excavation and disposal of spoil	2 m3
	<ul style="list-style-type: none"> Supply and Installation of new headwall for pipe crossing Hendersons Road 	Supply and Installation of headwalls suitable for 375mm dia RCP - including removal and disposal of existing damaged headwall	1 each
1780	<ul style="list-style-type: none"> Clearing of the inlet and outlet of the culvert 	Excavation and disposal of spoil	1 m3
	<ul style="list-style-type: none"> Reshape Table drain to ensure positive flow 	Excavation and disposal of spoil	2 m3
3800	<ul style="list-style-type: none"> Replacement/realignment of existing length of culvert 	Excavation and disposal of spoil	4.5 m3
		Removal and disposal of 450 x 300 box culvert	2.4 m

		Supply and installation of 450 x 300 box culvert	2.4 m
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	5 m2
	<ul style="list-style-type: none"> Supply and Installation of new headwalls 	Supply and Installation of headwall for 450 x 300 box culvert - including removal and disposal of existing damaged headwall	1 each
4290	<ul style="list-style-type: none"> Supply and Installation of new headwall – Outlet Side 	Supply and Installation of headwalls suitable for 450mm dia RCP - including removal and disposal of existing damaged headwall	1 each
	<ul style="list-style-type: none"> Replacement/realignment of existing length of pipe – Inlet Side 	Excavation and disposal of spoil	4.5 m3
		Removal and disposal of 450mm dia RCP	2.4 m
		Supply and installation of 450mm dia RCP	2.4 m
		Reinstate Headwall	1 each
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	5 m2
	<ul style="list-style-type: none"> Reshape Table drains to ensure positive flow (provisional length of 50m) 	Excavation and disposal of spoil	5 m3
4510		Excavation and disposal of spoil	6 m3

	<ul style="list-style-type: none"> Replacement/extension of existing length of pipe – Outlet Side 	Removal and disposal of 375mm dia RCP	2.4 m
		Supply and installation of 375mm dia RCP	4.8 m
		Reinstate Headwall	1 each
		Backfill to subgrade level with select fill (min CBR 15)	8 m3
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	5 m2
	<ul style="list-style-type: none"> Reshape Table drains to ensure positive flow – Outlet Side 	Excavation and disposal of spoil	5 m3
	<ul style="list-style-type: none"> Replacement/realignment of existing length of pipe – Inlet Side 	Excavation and disposal of spoil	4.5 m3
		Removal and disposal of 375mm dia RCP	2.4 m
		Supply and installation of 375mm dia RCP	2.4 m
		Supply and Install new Headwall	1 each
		Backfill to Subgrade with select fill (min CBR 15)	3 m3
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	5 m2
4740	<ul style="list-style-type: none"> Supply and Installation of new headwalls 	Supply and Installation of headwalls suitable for 375mm dia RCP - including removal and	2 each

		disposal of existing damaged headwalls	
	<ul style="list-style-type: none"> Replacement/extension of existing length of pipe – Inlet Side 	Excavation and disposal of spoil	4.5 m3
		Removal and disposal of 375mm dia RCP	2.4 m
		Supply and installation of 375mm dia RCP	2.4 m
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	5 m2
	<ul style="list-style-type: none"> Reshape Table drains to ensure positive flow (provisional length of 50m) 	Excavation and disposal of spoil	5 m3
5300	<ul style="list-style-type: none"> Clearing and reshape Table drains to ensure positive flow – Inlet Side 	Excavation and disposal of spoil	1 m3
	<ul style="list-style-type: none"> Replacement/extension of existing length of pipe – Outlet Side 	Excavation and disposal of spoil	7 m3
		Removal and disposal of 600mm dia RCP	2.4 m
		Supply and installation of 600mm dia RCP	2.4 m
		Backfill to Subgrade with select fill (min CBR 15)	5 m3
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	6 m2
	<ul style="list-style-type: none"> Supply and Installation of new headwall – Outlet Side 	Supply and Installation of headwalls suitable for 600mm dia RCP -	1 each

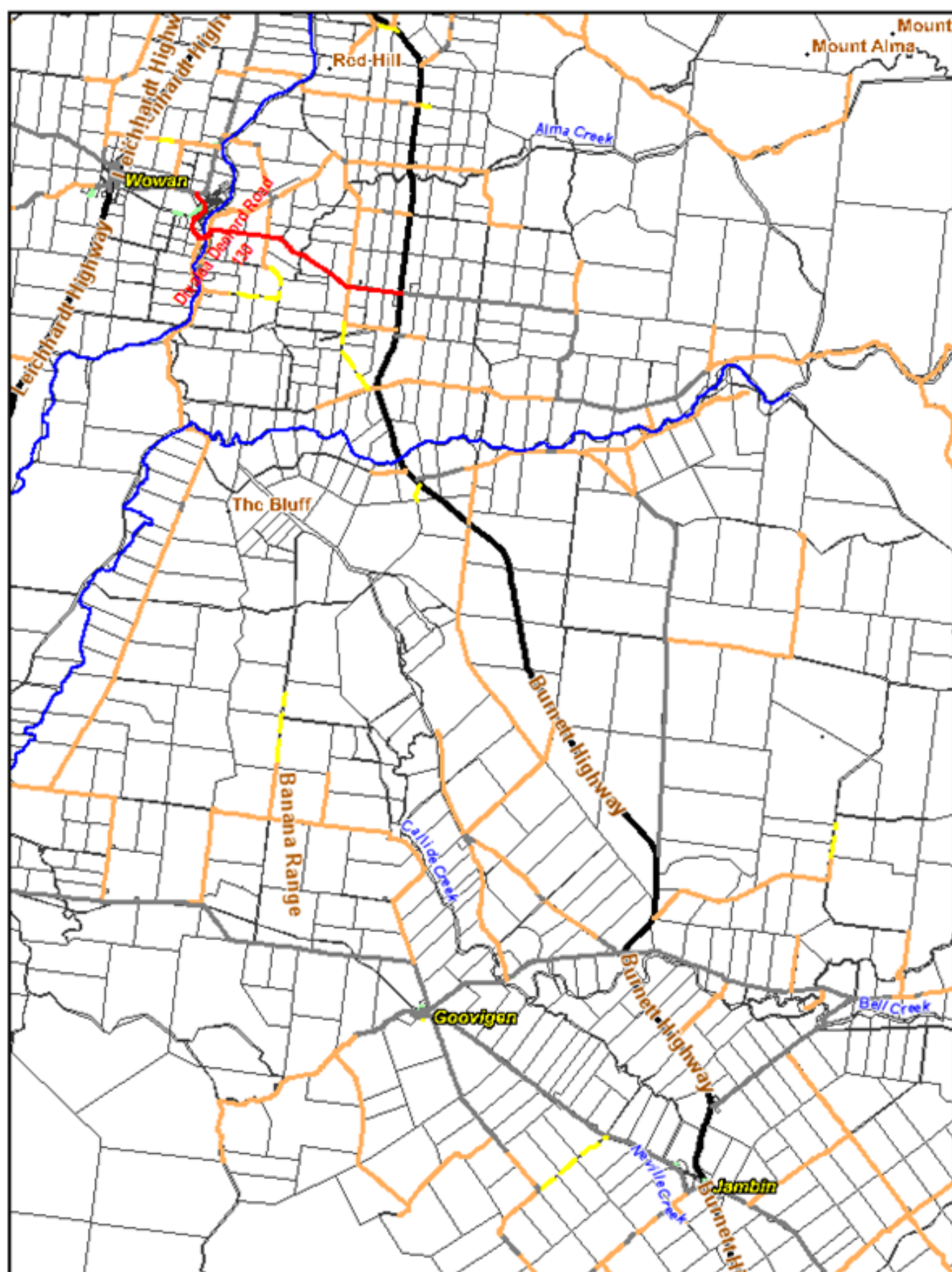
		including removal and disposal of existing damaged headwalls	
	<ul style="list-style-type: none"> Rock Protection for Outlet 	Supply and Placement of 300mm rock	2 m3
5650	<ul style="list-style-type: none"> Clearing and reshape Table drains to ensure positive flow – Inlet Side 	Excavation and disposal of spoil	1 m3
	<ul style="list-style-type: none"> Rock Protection for Outlet 	Supply and Placement of 300mm rock	6 m3
	<ul style="list-style-type: none"> Reinstatement of shoulder/batter – 4 in 1 slope 	Placement and compaction of select fill (min CBR 15)	3 m3
5920	<ul style="list-style-type: none"> Supply and Installation of new headwalls 	Supply and Installation of headwalls suitable for 450mm dia RCP - including removal and disposal of existing damaged headwalls	2 each
	<ul style="list-style-type: none"> Rock Protection for Outlet 	Supply and Placement of 300mm rock	25 m3
	<ul style="list-style-type: none"> Replacement/extension of 2 existing lengths of pipe – Outlet Side 	Excavation and disposal of spoil	70 m3
		Removal and disposal of 450mm dia RCP	4.8 m
		Supply and installation of 450mm dia RCP	4.8 m
		Backfill to Subgrade with select fill (min CBR 15)	40 m3
		Reinstatement of road with type 2.1 gravel	210 m3
		2 coat bitumen Seal (16/10)	40 m2

6360	<ul style="list-style-type: none"> Supply and Installation of new headwalls 	Supply and Installation of headwalls suitable for 375mm dia RCP - including removal and disposal of existing damaged headwalls	2 each
	<ul style="list-style-type: none"> Replacement/extension of existing length of pipe – Inlet Side 	Excavation and disposal of spoil	5 m3
		Removal and disposal of 375mm dia RCP	2.4 m
		Supply and installation of 375mm dia RCP	2.4 m
		Backfill to Subgrade with select fill (min CBR 15)	4 m3
		Reinstatement of road with type 2.1 gravel	2.5 m3
		2 coat bitumen Seal (16/10)	5 m2
8610	<ul style="list-style-type: none"> Full replacement of culvert 	Excavation and disposal of spoil	11 m3
		Removal and disposal of 450 x 300 Box Culverts (including Headwalls and base slabs)	1 Lump Sum
		Installation of cast insitu base slab – with SL92 reinforcement (single layer)	1.2 m3
		Supply and installation of 450 x 300 Box Culverts (5 cells)	12 m
		Supply and installation of 450 x 300 headwalls	2 each

		Reinstatement of road with type 2.1 gravel	7 m3
		2 coat bitumen Seal (16/10)	25 m2

NOTE: CH 0 is at the intersection of Dixalee Deeford Road and the Burnett Highway

Locality:



Locality Dixalea Deeford Road

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0 1 2 3 4 5 6

kilometres

Scale 1 : 152,877 (A4 Original Size)