

4.5 Plans for trunk infrastructure

- (1) The plans for trunk infrastructure identify the existing and proposed trunk infrastructure networks intended to service the assumed development at the desired standard of service stated in the PIP.
- (2) The plans for trunk infrastructure are identified in Schedule 2 - Mapping.

4.5.1 Projected demand

- (1) The projected demand for each analysed network is identified in the following tables.

Table 4. 20 Water supply network - projected demand summary

Charge area	Cumulative demand, (EP)					Demand (EP)*
	2009	2011	2016	2021	2026	
Goomeri	756	-	781	799	817	1092
Kilkivan	612	-	628	639	651	670
Imbil	620	-	729	802	882	1094
Kandanga	270	-	270	270	270	270
Amamoor	215	-	223	228	235	270
Tin Can Bay & Cooloola Cove	5976	-	7167	7827	8419	10260
Rainbow Beach	4042	-	4235	4414	4612	6373
Gympie	19032	20289	22778	24701	25900	27771

*Represents the ultimate demand of water supply network per catchment area.

Table 4. 21 Sewerage network - projected demand summary

Charge area	Cumulative demand, (EP)					Demand (EP)*
	2009	2011	2016	2021	2026	
Goomeri	830	-	854	873	891	1000
Kilkivan	580	-	596	607	619	700
Imbil	612	636	702	775	855	1063
Tin Can Bay	2640	2787	2918	3057	3201	3276
Cooloola Cove	3122	3483	4035	4556	5004	6770
Rainbow Beach	2064	2095	2257	2436	2634	4395
Gympie	16284	17597	20157	22122	23324	24508

*Represents the ultimate demand of sewerage network per catchment area.

Table 4. 22 Road network - projected demand summary

Charge area	Cumulative demand, (vte/day)					Demand (vte/day)*
	2009	2011	2016	2021	2026	
Eastern Districts Urban	100169	-	120908	128347	132804	141896
Eastern Districts Urban Fringe	13768	-	22192	24967	26971	33480
Eastern Districts Balance	30005	-	31062	30855	31758	34758

*Represents the ultimate demand of the road network per catchment area.

4.5.2 Plans for trunk infrastructure

- (1) Plans identifying the existing and future trunk infrastructure, as well as the service catchments, for each infrastructure network are shown in Schedule 2 - Mapping on the following maps:

Table 4. 23 Maps Table

Network	Maps
Water Supply	PFTI-KW-1 & 2 PFTI-CW-3 to 8 PFTI-CW-11 to 15
Sewerage	PFTI-KS-1 & 2 PFTI-CS-3 PFTI-CS-6 to 8 PFTI-CW-11 to 15
Stormwater	PFTI-KZ-1 & 2 PFTI-CZ-3 to 8 PFTI-CZ-11 to 15
Transport	
Roads & Bridges	PFTI-KR-1 PFTI-TR-1 PFTI-CUT-1 to 5 PFTI-CRT-1 to 9 PFTI-CBT-1 to 9
Pathways	PFTI-KE-1 & 2 PFTI-CUE-1 to 3 PFTI-CUE-11 to 13
Public Transport	PFTI-CUB-1 & 2 PFTI-CUB-11 to 13
Parks & Community Facilities Land	PFTI-KP-1 to 3 PFTI-TP-1 PFTI-CP-1 to 4

4.5.3 Schedule of works

- (1) Table 4.25 to Table 4.30 – summarise the existing and future trunk infrastructure costs to service assumed growth.
- (2) The schedules of works for future assets identify the estimated costs and the assumed time of completion. These dates relate to the assumed timing of development. These future assets are identified in the plans for trunk infrastructure.
- (3) The full schedule of works, including details of existing and future trunk infrastructure, is provided as extrinsic material.

Table 4. 24 Water supply - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Kilkivan	6,049,663			
Goomeri	7,929,863			
Imbil	1,828,289	366,826	135,537	578,760
Kandanga	2,744,921	122,275	169,983	
Amamoor	1,045,509	122,275		
Tin Can Bay	16,994,448		59,680	
Cooloola Cove	15,301,896	1,252,440	59,680	
Rainbow Beach	8,862,551	2,102,643		
Gympie	50,610,285	7,600,288		

Table 4. 25 Sewerage - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Kilkivan	2,337,041			
Goomeri	2,218,911			
Imbil	3,034,719			
Tin Can Bay	13,690,441	464,227		
Cooloola Cove	10,817,135			
Rainbow Beach	11,818,742			
Gympie	54,147,073	441,533	4,827,268	192,975

Table 4. 26 Stormwater - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Kilkivan	261,285			
Goomeri	207,480			
Imbil	421,211			
Kandanga	124,142			
Amamoor	211,956			
Tin Can Bay	4,250,539			
Cooloola Cove	5,044,044			
Rainbow Beach	3,470,792			
Gympie	44,851,619			

Table 4. 27 Transport, roads - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Western Districts	65,198,389			
Northern Districts	13,438,480			
Eastern Districts – Urban	102,672,283	10,399,125	11,680,732	8,345,584
Eastern Districts – Urban Fringe	74,824,025	6,875,993	2,102,106	4,032,918
Eastern Districts – Balance	129,536,428		1,470,162	678,800

Table 4. 28 Transport, pathways - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Kilkivan	210,301	19,782	29,673	82,426
Goomeri	214,307	26,376		109,735
Imbil	401,119	75,832	89,020	
Kandanga	190,813	32,146	16,485	
Amamoor	16,050		192,877	44,510
Tin Can Bay	2,096,801	45,334		306,006
Cooloola Cove	854,148	206,065	676,579	907,715
Rainbow Beach	1,132,801		136,003	174,125
Gympie	11,658,763	800,050	4,586,812	2,892,081

Table 4. 29 Transport, public transport - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Eastern Districts – Urban	141,412	218,873	195,274	66,334

Table 4. 30 Parks and community facilities land - estimated cost of works

Catchment	Estimated cost by completion year (\$ 2011)			
	Existing	2016	2021	2026
Northern Districts	704,593			
Western Districts	1,299,595			
Eastern Districts	16,515,300			

4.6 Extrinsic material

- (1) The documents identified in Table 4.31, which assist in the interpretation of the priority infrastructure plan, are extrinsic material under the Statutory Instruments Act 1992.

Table 4. 31 Extrinsic material to priority infrastructure plan

Trunk infrastructure network	Title of document
Growth projections, planning assumptions and PIA (for all networks)	Gympie Regional Council Planning Scheme – 2012, Priority Infrastructure Plan, Supporting Information. – GRC, February 2012
Network analyses, Plans for Trunk Infrastructure, and Schedules of Work for all networks	