

Part 4 Priority Infrastructure Plan

4.1 Preliminary

- (1) This priority infrastructure plan has been prepared in accordance with the requirements of the *Sustainable Planning Act 2009*.
- (2) The purpose of the priority infrastructure plan is to:
 - (a) integrate and coordinate land use planning and infrastructure planning;
 - (b) ensure that trunk infrastructure is planned and provided in an efficient and orderly manner.
- (3) The priority infrastructure plan:
 - (a) states in Section 4.2 (planning assumptions) the projections of future urban growth and the assumptions of demand for each trunk infrastructure network, which have informed the preparation of the priority infrastructure plan;
 - (b) identifies in Section 4.3 (priority infrastructure area) the prioritised area to accommodate urban growth for 10 to 15 years;
 - (c) states in Section 4.4 (desired standards of service) for each network of development infrastructure the desired standard of performance of infrastructure;
 - (d) identifies in Section 4.5 (plans for trunk infrastructure) the existing and planned trunk infrastructure for the following networks:
 - (i) water supply;
 - (ii) sewerage;
 - (iii) stormwater;
 - (iv) transport;
 - (v) public parks and community facilities land.

4.2 Planning assumptions

- (1) The planning assumptions form a logical and consistent basis for the planning of the trunk infrastructure networks and the determination of the priority infrastructure area.

4.2.1 Dwellings, non-residential floor space and land area

- (1) The distribution and timing of future development (residential dwellings, non-residential floor space and land area) to accommodate projected population and employment growth have been estimated taking into account the following factors:
 - (a) physical constraints on the land;
 - (b) land use planning provisions of the planning scheme;
 - (c) current development applications and approvals;
 - (d) development trends;
 - (e) cost efficient provision of infrastructure;
 - (f) average occupancy rate projections;
 - (g) average floor space to land area ratios;
 - (h) existing level of development.

4.2.2 Geographical areas

- (1) The projections about residential and non-residential development are prepared at a level that allows re-aggregation of data into areas to support infrastructure planning for the service catchments of different trunk infrastructure networks.
- (2) The PIA localities referred to in Table 4.2 to Table 4.5 provide a geographical overview of the growth projections for residential and non-residential development. The PIA localities and the planning scheme zones and precincts (relative to the priority infrastructure area) are identified in Schedule 2 – Mapping and 4.5.3 Schedule of Works.

4.2.3 Time periods

- (1) The planning assumptions have been prepared for the following time periods to align with the Australian Bureau of Statistics (ABS) census years:
 - (a) 2009–mid 2011;
 - (b) mid 2011–mid 2016;
 - (c) mid 2016–mid 2021;
 - (d) mid 2021–mid 2026.

4.2.4 Existing level of development

- (1) The existing level of development (base year for PIP) has been estimated at 2009.

4.2.5 Development potential of land

- (1) The net developable area is land designated for urban purposes under the planning scheme minus land required for infrastructure, easements which constrain development and is not affected by the following site constraints:
 - (a) 1% annual exceedance probability flood;
 - (b) nature conservation overlay;
 - (c) catchment protection overlays;
 - (d) any resumption plans;
 - (e) waterway buffers;
 - (f) slope over 15%.

4.2.6 Assumed scale of development

- (1) The assumed scale of development for purposes of the PIP has been determined to reflect the realistic level (scale and intensity) of development having regard to the land use planning provisions of the planning scheme, site constraints and development trends.
- (2) Table 4.1 identifies the relationship between the planning scheme zones and the Priority Infrastructure Plan categories used to establish the required land area and infrastructure demand.

Table 4.1 Relationship between Scheme Zones and PIP Categories

Planning Scheme Zone	PIP Category
Residential Living	Single Dwelling
Residential Choice	Multiple & Special Dwelling
Character Residential	Single Dwelling
Principal Centre	Commercial & Retail
District Centre	Commercial & Retail
Local Centre	Commercial & Retail
Specialised Centre	Commercial & Retail
Township	All
Low Impact Industry	Industrial
Medium Impact Industry	Industrial
High Impact Industry	Industrial
Community Purposes	Community Purposes
Sport and Recreation	Retail

- (3) The assumed density (scale) of development for urban zones varies with the locality and is identified in the extrinsic material.
- (4) The projected scale of development is presented in Table 4.2 to Table 4.5.

4.2.7 Occupancy rates

- (1) The average occupancy rate for different types of urban development varies with the locality and is identified in the extrinsic material.

4.2.8 Existing and projected population

Table 4. 2 Existing and projected population

PIA Locality	PIP Projection Category	Existing and projected population					
		2009 (Existing)	2011	2016	2021	2026	Ultimate development
Goomeri	Single dwelling	562	566	578	594	608	876
	Multiple dwelling	56	56	56	56	56	56
	Special dwelling	105	105	105	105	105	105
	Total	723	727	739	755	769	1073
	Non-resident (inc. above)	105	105	105	105	105	105
Kilkivan	Single dwelling	203	202	203	207	211	1204
	Multiple dwelling	20	20	20	20	20	20
	Special dwelling	38	38	38	38	38	38
	Total	261	260	261	265	269	1262
	Non-resident (inc. above)	38	38	38	38	38	38
Imbil	Single dwelling	605	630	696	769	849	1060
	Multiple dwelling	4	4	4	4	4	4
	Special dwelling	27	27	27	27	27	27
	Total	636	661	727	799	880	1091
	Non-resident (inc. above)	23	23	23	23	23	19
Kandanga	Single dwelling	237	237	237	237	237	237
	Multiple dwelling	8	8	8	8	8	8
	Special dwelling	32	32	32	32	32	32
	Total	276	276	276	276	276	276
	Non-resident (inc. above)	27	27	27	27	27	23
Amamoor	Single dwelling	209	209	209	209	209	209
	Multiple dwelling	0	0	0	0	0	0
	Special dwelling	0	0	0	0	0	0
	Total	209	209	209	209	209	209

PIA Locality	PIP Projection Category	Existing and projected population					
		2009 (Existing)	2011	2016	2021	2026	Ultimate development
	Non-resident (inc. above)	0	0	0	0	0	0
Tin Can Bay	Single dwelling	2400	2546	2676	2813	2957	3033
	Multiple dwelling	397	397	397	397	397	397
	Special dwelling	1131	1131	1131	1134	1134	1134
	Total	3928	4074	4205	4345	4488	4564
	Non-resident (inc. above)	967	967	967	971	970	970
Cooloola Cove	Single dwelling	2979	3340	3892	4414	4861	6627
	Multiple dwelling	23	23	23	23	23	23
	Special dwelling	0	0	0	0	0	0
	Total	3002	3363	3915	4437	4884	6650
	Non-resident (inc. above)	0	0	0	0	0	0
Rainbow Beach	Single dwelling	1471	1497	1565	1635	1710	1830
	Multiple dwelling	565	565	594	628	666	1162
	Special dwelling	1724	1724	1724	1724	1724	1724
	Total	3760	3786	3883	3987	4100	4716
	Non-resident (inc. above)	1330	1330	1330	1330	1330	1105
Gympie	Single dwelling	15288	16345	18428	20045	20712	21232
	Multiple dwelling	1366	1408	1488	1574	1574	1578
	Special dwelling	1338	1338	1338	1338	1338	1338
	Total	17992	19091	21255	22957	23624	24148
	Non-resident (inc. above)	1144	1144	1144	1144	1144	1144
Total PIA	Single dwelling	23955	25573	28485	30922	32353	36309
	Multiple dwelling	2438	2480	2589	2709	2709	3247
	Special dwelling	4394	4394	4395	4397	4397	4398
	Total	30787	32447	35469	38028	39498	43954
	Non-resident (inc. above)	3634	3634	3634	3638	3637	3398

PIA Locality	PIP Projection Category	Existing and projected population					
		2009 (Existing)	2011	2016	2021	2026	Ultimate development
Total Outside PIA (serviced or to be serviced)	Single dwelling	1716	1909	2241	2570	2904	3502
	Multiple dwelling	64	64	115	175	244	1364
	Special dwelling	124	124	124	124	124	124
	Total	1904	2097	2480	2869	3272	4990
Total Urban (above categories)	Single dwelling	25670	27481	30725	33493	35257	39810
	Multiple dwelling	2502	2544	2705	2884	2992	4611
	Special dwelling	4518	4518	4519	4522	4522	4522
	Total	32691	34544	37949	40898	42770	48944
	Non-resident (inc. above)	3634	3634	3634	3638	3637	3398

4.2.9 Existing and projected dwellings and land area

Table 4. 3 Existing and projected dwellings and land area

PIA Locality	PIP Projection Category	Existing and projected dwellings and land area (net developable ha)											
		2009 (Existing)		2011		2016		2021		2026		Ultimate development	
		dwell	area	dwell	area	dwell	area	dwell	area	dwell	area	dwell	area
Goomeri	Single dwelling	216	20.1	218	20.1	222	20.5	228	20.9	234	21.3	337	28.6
	Multiple dwelling	32	1.6	32	1.6	32	1.6	32	1.6	32	1.6	32	1.6
	Special dwelling	55	1.4	55	1.4	55	1.4	55	1.4	55	1.4	55	1.4
	Total	303	23.0	305	23.1	309	23.4	315	23.9	321	24.2	424	31.6
Kilkivan	Single dwelling	78	8.7	78	8.6	78	8.7	80	8.8	81	8.9	463	36.2
	Multiple dwelling	12	0.6	12	0.6	12	0.6	12	0.6	12	0.6	12	0.6
	Special dwelling	20	0.5	20	0.5	20	0.5	20	0.5	20	0.5	20	0.5
	Total	110	9.8	110	9.7	110	9.8	112	9.9	113	10.0	495	37.3
Imbil	Single dwelling	233	24.5	242	25.2	268	27.0	296	29.0	327	31.2	408	37.0
	Multiple dwelling	2	0.1	2	0.1	2	0.1	2	0.1	2	0.1	2	0.1
	Special dwelling	12	0.4	12	0.4	12	0.4	12	0.4	12	0.4	12	0.4
	Total	247	25.0	256	25.7	282	27.5	310	29.5	341	31.7	422	37.5
Kandanga	Single dwelling	91	9.0	91	9.0	91	9.0	91	9.0	91	9.0	91	9.0
	Multiple dwelling	4	0.2	4	0.2	4	0.2	4	0.2	4	0.2	4	0.2
	Special dwelling	14	0.5	14	0.5	14	0.5	14	0.5	14	0.5	14	0.5
	Total	109	9.7	109	9.7	109	9.7	109	9.7	109	9.7	109	9.7
Amamoor	Single dwelling	81	10.6	81	10.6	81	10.6	81	10.6	81	10.6	81	10.6
	Multiple dwelling	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Special dwelling	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	81	10.6	81	10.6	81	10.6	81	10.6	81	10.6	81	10.6

PIA Locality	PIP Projection Category	Existing and projected dwellings and land area (net developable ha)											
		2009 (Existing)		2011		2016		2021		2026		Ultimate development	
		dwell	area	dwell	area	dwell	area	dwell	area	dwell	area	dwell	area
Tin Can Bay	Single dwelling	923	55.3	980	59.3	1030	62.9	1083	66.7	1138	70.6	1167	72.7
	Multiple dwelling	228	15.2	228	15.2	228	15.2	228	15.2	228	15.2	228	15.2
	Special dwelling	510	20.4	510	20.4	510	20.4	511	20.4	511	20.4	511	20.4
	Total	1661	90.9	1717	94.9	1768	98.5	1822	102.3	1877	106.2	1906	108.3
Cooloola Cove	Single dwelling	1146	166.1	1286	186.3	1499	217.2	1701	246.5	1874	271.5	2555	370.3
	Multiple dwelling	12	0.8	12	0.8	12	0.8	12	0.8	12	0.8	12	0.8
	Special dwelling	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	1158	166.9	1298	187.1	1511	218.0	1713	247.3	1886	272.3	2567	371.1
Rainbow Beach	Single dwelling	566	40.4	572	41.0	602	42.5	629	44.1	658	45.8	704	48.5
	Multiple dwelling	341	9.0	341	9.0	359	9.2	380	9.5	404	9.8	714	13.6
	Special dwelling	776	16.2	776	16.2	776	16.2	776	16.2	776	16.2	776	16.2
	Total	1683	65.6	1693	66.2	1737	67.9	1785	69.8	1838	71.8	2194	78.3
Gympie	Single dwelling	5880	490.0	6287	515.4	7088	565.5	7710	604.4	7967	620.4	8167	632.9
	Multiple dwelling	795	39.8	817	40.1	860	10.8	905	41.6	905	41.6	907	41.6
	Special dwelling	602	20.1	602	20.1	602	20.1	602	20.1	602	20.1	602	20.1
	Total	7277	549.8	7706	575.6	8550	626.4	9217	666.0	9474	682.1	9676	694.6
Total PIA	Single dwelling	9214	825	9838	876	10959	964	11898	1040	12449	1089	13973	1246
	Multiple dwelling	1426	67	1448	68	1509	69	1575	70	1599	70	1911	74
	Special dwelling	1988	59	1988	59	1989	59	1990	59	1990	59	1990	59
	Total	12629	951	13274	1003	14457	1092	15463	1169	16038	1218	17874	1379
Total Outside PIA (served or to be serviced)	Single dwelling	660	399	734	453	862	537	989	614	1117	703	1347	822
	Multiple dwelling	40	1	40	1	72	2	109	2	152	3	852	11
	Special dwelling	56	1	56	1	56	1	56	1	56	1	56	1
	Total	756	402	830	455	990	540	1154	617	1325	707	2255	834

PIA Locality	PIP Projection Category	Existing and projected dwellings and land area (net developable ha)											
		2009 (Existing)		2011		2016		2021		2026		Ultimate development	
		dwell	area	dwell	area	dwell	area	dwell	area	dwell	area	dwell	area
Total Urban (above categories)	Single dwelling	9874	1226	10572	1330	11821	1502	12886	1655	13566	1794	15320	2068
	Multiple dwelling	1466	69	1488	69	1581	71	1684	72	1752	73	2763	85
	Special dwelling	2044	61	2044	61	2045	61	2046	61	2046	61	2046	61
	Total	13385	1356	14104	1461	15446	1634	16616	1788	17363	1928	20129	2214

4.2.10 Existing and projected employment

Table 4. 4 Existing and projected employment

PIA Locality	PIP Projection Category	Existing and projected employees					
		2009 (Existing)	2011	2016	2021	2026	Ultimate development
Goomeri	Retail	14	14	15	16	17	18
	Commercial	61	63	67	70	72	74
	Industrial	13	13	14	15	16	17
	Community Purposes	9	9	10	10	11	12
	Other	0	0	0	0	0	0
	Total	97	99	106	111	116	121
Kilkivan	Retail	10	10	11	11	12	13
	Commercial	42	44	47	49	50	51
	Industrial	0	0	0	0	0	0
	Community Purposes	36	37	40	41	42	43
	Other	0	0	0	0	0	0
	Total	88	91	97	101	104	107
Imbil	Retail	99	99	99	99	99	246
	Commercial	18	24	26	297	297	570
	Industrial	5	5	5	5	5	6
	Community Purposes	94	94	94	94	94	112
	Other	0	0	0	0	0	0
	Total	216	222	224	495	495	934
Kandanga	Retail	38	38	38	38	38	39
	Commercial	0	0	0	0	0	0
	Industrial	4	4	4	4	4	5
	Community Purposes	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Total	42	42	42	42	42	44

PIA Locality	PIP Projection Category	Existing and projected employees					
		2009 (Existing)	2011	2016	2021	2026	Ultimate development
Amamoor	Retail	0	0	0	0	0	0
	Commercial	0	0	0	0	0	0
	Industrial	0	0	0	0	0	0
	Community Purposes	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Total	0	0	0	0	0	0
Tin Can Bay	Retail	266	266	266	266	266	437
	Commercial	15	15	15	21	21	377
	Industrial	171	171	179	193	198	1056
	Community Purposes	192	192	192	192	192	197
	Other	117	117	117	117	117	117
	Total	761	761	769	789	794	2183
Cooloola Cove	Retail	117	117	117	117	117	546
	Commercial	0	0	0	69	69	138
	Industrial	9	9	9	53	53	114
	Community Purposes	6	6	6	6	6	6
	Other	0	0	0	0	0	0
	Total	132	132	132	245	245	804
Rainbow Beach	Retail	314	314	314	314	314	366
	Commercial	39	39	66	66	82	108
	Industrial	57	57	81	81	8195	198
	Community Purposes	58	58	58	58	58	59
	Other	25	25	25	25	25	25
	Total	493	493	544	544	574	757

PIA Locality	PIP Projection Category	Existing and projected employees					
		2009 (Existing)	2011	2016	2021	2026	Ultimate development
Gympie	Retail	4469	4608	4775	4824	4861	7920
	Commercial	2200	2929	3274	3566	3795	5781
	Industrial	2245	2732	2878	3231	3258	6302
	Community Purposes	1614	1614	1614	1614	1614	1689
	Other	101	101	101	101	101	368
	Total	10629	11983	12642	13336	13629	22059
Total PIA	Retail	5326	5466	5635	5685	5724	9585
	Commercial	2375	3114	3494	4138	4387	7098
	Industrial	2504	2991	3169	3582	3629	7698
	Community Purposes	2009	2010	2013	2016	2017	2117
	Other	243	243	243	243	243	510
	Total	12457	13825	14555	15664	16001	27007
Total Outside PIA	Retail	97	97	98	99	100	101
	Commercial	41	43	45	68	71	220
	Industrial	557	643	666	711	715	875
	Community Purposes	86	86	86	86	89	92
	Other	305	315	335	350	360	370
	Total	1086	1184	1230	1314	1335	1659
Total Council Area	Retail	5423	5563	5733	5784	5824	9686
	Commercial	2417	3156	3539	4206	4458	7318
	Industrial	3061	3634	3835	4293	4344	8572
	Community Purposes	2095	2096	2099	2102	2106	2209
	Other	548	558	578	593	603	880
	Total	13543	15009	15785	16978	17336	28665

4.2.11 Existing and projected non-residential floor space and land area

Table 4.5 Existing and projected non-residential floor space and land area

PIA Locality	PIP Projection Category	Existing and projected non-residential floor space and land area (net developable ha)											
		2009 (Existing)		2011		2016		2021		2026		Ultimate development	
		floor	land	floor	land	floor	land	floor	land	floor	land	floor	land
Goomeri	Retail	4153	1.0	4299	1.0	4569	1.1	4783	1.1	5100	1.2	5417	1.3
	Commercial	913	0.1	945	0.1	1004	0.1	1051	0.2	1080	0.2	1109	0.2
	Industrial	1275	0.3	1320	0.3	1403	0.3	1469	0.3	1600	0.3	1731	0.3
	Community Purposes	63	0	65	0	69	0	72	0	77	0	82	0
	Other	0	na	0	na	0	na	0	na	0	na	0	na
	Total	6404	1.4	6629	1.4	7044	1.5	7375	1.6	7857	1.7	8339	1.8
Kilkivan	Retail	2893	0.7	2994	0.7	3182	0.7	3331	0.8	3600	0.8	3869	0.9
	Commercial	636	0.1	658	0.1	699	0.1	732	0.1	750	0.1	768	0.1
	Industrial	0	0	0	0	0	0	0	0	0	0	0	0
	Community Purposes	251	0.1	260	0.1	277	0.1	290	0.1	294	0.1	298	0.1
	Other	0	na	0	na	0	na	0	na	0	na	0	na
	Total	3780	0.8	3912	0.9	4157	0.9	4353	1.0	4644	1.0	4935	1.1
Imbil	Retail	3411	0.8	3411	0.8	3411	0.8	3411	0.8	3411	0.8	8620	2.0
	Commercial	454	0.1	644	0.1	681	0.1	8750	1.3	8750	1.3	16819	2.4
	Industrial	569	0.1	569	0.1	569	0.1	569	0.1	569	0.1	569	0.1
	Community Purposes	7702	2.2	7702	2.2	7702	2.2	7702	2.2	7702	2.2	8966	2.6
	Other	0	na	0	na	0	na	0	na	0	na	0	na
	Total	12136	3.2	12326	3.2	12363	3.2	20432	4.4	20432	4.4	34974	7.1
Kandanga	Retail	1431	0.3	1431	0.3	1431	0.3	1431	0.3	1431	0.3	1431	0.3
	Commercial	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Industrial	491	0.1	491	0.1	491	0.1	491	0.1	491	0.1	491	0.1
	Community Purposes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Other	0	na	0	na	0	na	0	na	0	na	0	na

PIA Locality	PIP Projection Category	Existing and projected non-residential floor space and land area (net developable ha)											
		2009 (Existing)		2011		2016		2021		2026		Ultimate development	
		floor	land	floor	land	floor	land	floor	land	floor	land	floor	land
	Total	1922	0.4	1922	0.4	1922	0.4	1922	0.4	1922	0.4	1922	0.4
Amamoor	Retail	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Commercial	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Industrial	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Community Purposes	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Other	0	na	0	na	0	na	0	na	0	na	0	na
	Total	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Tin Can Bay	Retail	9247	2.2	9247	2.2	9247	2.2	9247	2.2	9247	2.2	15278	3.6
	Commercial	384	0.1	384	0.1	384	0.1	573	0.1	573	0.1	10679	1.5
	Industrial	17065	3.4	17065	3.4	17846	3.6	19268	3.9	19737	3.9	105634	21.1
	Community Purposes	15284	4.4	15284	4.4	15284	4.4	15284	4.4	15284	4.4	15284	4.5
	Other	4666	na	4666	na	4666	na	4666	na	4666	na	4666	na
	Total	46646	10.0	46646	10.0	47427	10.1	49039	10.5	49507	10.5	151986	30.7
Cooloola Cove	Retail	4112	1.0	4112	1.0	4112	1.0	4112	1.0	4112	1.0	19113	4.4
	Commercial	0	0.0	0	0.0	0	0.0	2069	0.3	2069	0.3	4139	0.6
	Industrial	835	0.2	835	0.2	835	0.2	5284	1.1	5284	1.1	11395	2.3
	Community Purposes	466	0.1	466	0.1	466	0.1	466	0.1	466	0.1	466	0.1
	Other	0	na	0	na	0	na	0	na	0	na	0	na
	Total	5413	1.3	5413	1.3	5413	1.3	5413	2.4	5413	2.4	35113	7.4
Rainbow Beach	Retail	10995	2.6	10995	2.6	10995	2.6	10995	2.6	10995	2.6	12825	3.0
	Commercial	968	0.1	968	0.1	1779	0.3	1779	0.3	2265	0.3	2978	0.4
	Industrial	5727	1.1	5727	1.1	8105	1.6	8105	1.6	9531	1.9	19799	4.0
	Community Purposes	4719	1.3	4719	1.3	4719	1.3	4719	1.3	4719	1.3	4719	1.3
	Other	1012	na	1012	na	1012	na	1012	na	1012	na	1012	na
	Total	23421	5.2	23421	5.2	26610	5.8	26610	5.8	28523	6.1	41333	8.7

PIA Locality	PIP Projection Category	Existing and projected non-residential floor space and land area (net developable ha)											
		2009 (Existing)		2011		2016		2021		2026		Ultimate development	
		floor	land	floor	land	floor	land	floor	land	floor	land	floor	land
Gympie	Retail	154563	35.9	161285	37.5	166599	38.7	168159	39.1	169186	39.3	275483	64.1
	Commercial	62325	8.9	84188	12.0	94546	13.5	103292	14.8	107707	15.4	159905	22.8
	Industrial	226660	45.3	275397	55.1	289981	58.0	325331	65.1	328012	65.6	639486	127.9
	Community Purposes	129059	36.9	129059	36.9	129059	36.9	129059	36.9	129059	36.9	135015	38.6
	Other	4062	na	4062	na	4062	na	4062	na	4062	na	14705	na
	Total	576669	127.1	653991	141.5	684246	147.1	729902	155.8	738027	157.2	1224595	253.4
Total PIA	Retail	190805	44.4	197774	46.0	203545	47.3	205469	47.8	207082	48.2	342037	79.5
	Commercial	65679	9.4	87786	12.5	99094	14.2	118247	16.9	123196	17.6	196397	28.1
	Industrial	252622	50.5	301404	60.3	319229	63.8	360516	72.1	365225	73.0	779105	155.8
	Community Purposes	157544	45	157555	45	157575	45.0	157592	45.0	157601	45.0	165275	47.2
	Other	9740	na	9740	na	9740	na	9740	na	9740	na	20383	na
	Total	676390	149.3	754259	163.8	789183	170.4	851564	181.8	862844	183.8	1503197	310.6
Total Outside PIA	Retail	5716	1.3	5861	1.4	6202	1.4	6522	1.5	6683	1.6	6838	1.6
	Commercial	818	0.1	835	0.1	874	0.1	1422	0.2	1464	0.2	5803	0.8
	Industrial	63540	12.7	72227	14.4	74553	14.9	79094	15.8	79668	15.9	95890	19.2
	Community Purposes	7197	2.1	7208	2.1	7229	2.1	7245	2.1	7275	2.1	7305	2.1
	Other	2275	na	2349	na	2485	na	2594	na	2663	na	3732	na
	Total	88140	16.2	97375	18.0	100796	18.5	106775	19.6	108282	19.8	129730	23.7
Total Council Area	Retail	196521	45.7	203635	47.4	209747	48.8	211992	49.3	213765	49.7	348875	81.1
	Commercial	66497	9.5	88621	12.7	99968	14.3	119669	17.1	124660	17.8	202200	28.9
	Industrial	316162	63.2	373631	74.7	393782	78.8	439610	87.9	444893	89.0	874995	175.0
	Community Purposes	164741	47.1	164763	47.1	164804	47.1	164836	47.1	164876	47.1	172580	49.3
	Other	12015	na	12089	na	12225	na	12334	na	12403	na	23115	na
	Total	764531	165.5	851634	181.8	889979	188.9	958339	201.4	971126	203.6	1632927	334.3

4.2.12 Planned infrastructure demand rates

- (1) The planned infrastructure demand rates for each trunk infrastructure network are provided in Table 4.6.

Table 4. 6 Planned infrastructure demand rates for all trunk infrastructure networks

Planning scheme identification	Planned infrastructure demand rate						
	Water supply (EP / net dev ha)	Sewerage (EP / net dev ha)	Stormwater (Imp area ha/ net dev ha)	Roads (trips /net dev ha)	Public Transport (trips /net dev ha)	Pathways (trips /net dev ha)	Public parks and land for community facilities (EP / net dev ha)
Zone							
Principal Centre	104	125	1.00	5756	690	520	62
District Centre	45	52	0.60	1750	231	189	26
Local Centre							
Community Purposes	42	52	0.63	0.03	103	80	26
Residential Living	42	42	0.67	143	20	44	42
Character Residential							
Residential Choice	72	84	0.60	228	27	57	72
Specialised Centre	286	338	0.63	4800	135	115	40
Industry	100	117	0.63	450	115	87	25
Sport and Recreation	45	52	0.60	1750	231	189	

- (2) Full details of population and employment projections and how these were converted to dwelling units, floor space, land area and demand units are identified in the extrinsic material.

4.3 Priority infrastructure area

- (1) The priority infrastructure area is the area where suitable and adequate development infrastructure exists, or where it can be provided most efficiently.
- (2) The priority infrastructure area identifies the area where Gympie Regional Council gives priority to provide trunk infrastructure for urban development up to 2026.
- (3) The priority infrastructure area is identified in Schedule 2 - Mapping on Maps PIA-GS-1, PIA-CS- 2 TO 7, PIA-KS-2 & 3.

4.4 Desired standards of service

- (1) The desired standard of service details the standards that comprise an infrastructure network most suitable for the local context.
- (2) The desired standard of service is supported by the more detailed network design standards included in planning scheme policies, legislation, statutory guidelines and other relevant controlled documents about design standards identified below.

4.4.1 Water supply

Table 4. 7 Desired standards of service - water supply

ITEM	OBJECTIVE	DESIRABLE STANDARD
Day To Day Continuity Of Supply	To provide continuous and reliable delivery of water to all customers.	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan
Quality Of Normal Supply	To provide water that complies with National Health and Medical Research Council Guidelines for quality.	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan
Adequacy of Normal Supply	To provide supply at a minimum pressure and minimum flow at the service point.	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan
Continuity In The Long Term	To provide well managed infrastructure that minimises losses and wastage. To capture a source of water which provides adequate quantities of water to all customers.	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan

General Comments

The DSS has been aligned with GRC design requirements, Operational Plan, Customer Service Standards, Strategic Asset Management Plan, Integrated Environmental Management System, licences, statutory requirements and industry standards.

4.4.2 Sewerage

Table 4. 8 Desired standards of service - sewerage

ITEM	OBJECTIVE	DESIRABLE STANDARD
Effective Transportation Of Sewage	To provide a continuous and reliable sewerage service that ensures public health and environmental protection.	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan
Continuity In The Long Term	To provide well managed infrastructure that minimises losses and wastage.	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan

ITEM	OBJECTIVE	DESIRABLE STANDARD
Environmental Impact	To provide a treatment system that minimises environmental impact	Provided in:- <ul style="list-style-type: none"> ▪ Strategic Asset Management Plan ▪ Customer Service Standards ▪ Operational Plan

General Comments

The DSS has been aligned with GRC design requirements, customer service standards, Strategic Asset Management Plan, Integrated Environmental Management System, licences, statutory requirements and industry standards.

4.4.3 Stormwater

Table 4. 9 Desired standards of service - stormwater

ITEM	OBJECTIVE	DESIRABLE STANDARD
Runoff flows	To minimise urban flooding impacts and maintain natural flows in natural water courses.	Provided in:- <ul style="list-style-type: none"> ▪ Queensland Urban Drainage Manual ▪ Cooloolo Shire Council Planning Scheme Policy 8, Infrastructure Works
Runoff quality	The quality of water discharged from urban catchments has minimal environmental impact.	Provided in:- <ul style="list-style-type: none"> ▪ Section 42 Environmental Protection [Water] Policy 1997 ▪ Queensland Water Quality Guidelines 2006 ▪ Mary River Environmental Values and Water Quality Objectives ▪ State Planning Policy 4/10 Healthy Waters

General Comments

The DSS has been aligned with GRC design requirements, Integrated Environmental Management System, statutory requirements and industry standards.

4.4.4 Transport

Table 4. 10 Desired standards of service - transport, roads

ITEM	OBJECTIVE	DESIRABLE STANDARD																																																		
Roads	<p>To provide a functional urban and rural road network hierarchy that supports settlement patterns, commercial, tourism and economic activities, and freight movement.</p> <p>To provide a general Level of Service B*.</p> <p>* Defined in Guide to Traffic Management Part 3 – Austroads 2009.</p>	<table border="1" data-bbox="667 331 1248 902"> <thead> <tr> <th data-bbox="671 338 954 443">Street / Road Type</th> <th data-bbox="959 338 1098 443">Max Roughness IRI</th> <th data-bbox="1102 338 1241 443">Min LOS peak period</th> </tr> </thead> <tbody> <tr><td>Rural Arterial</td><td>5</td><td>C</td></tr> <tr><td>Rural Sub-Arterial</td><td>7</td><td>C</td></tr> <tr><td>Rural Distributor</td><td>9</td><td>C</td></tr> <tr><td>Rural Collector Bus Route</td><td>11</td><td>C</td></tr> <tr><td>Rural Collector</td><td>11</td><td>C</td></tr> <tr><td>Rural Local</td><td>15</td><td>C</td></tr> <tr><td>Urban Arterial</td><td>5</td><td>C</td></tr> <tr><td>Urban Sub-Arterial</td><td>5</td><td>C</td></tr> <tr><td>Urban Distributor A</td><td>7</td><td>C</td></tr> <tr><td>Urban Collector</td><td>9</td><td>C</td></tr> <tr><td>Urban Local</td><td>13</td><td>C</td></tr> <tr><td>Industrial Collector</td><td>9</td><td>C</td></tr> <tr><td>Industrial Local</td><td>13</td><td>C</td></tr> </tbody> </table> <table data-bbox="671 943 1342 1039"> <thead> <tr> <th data-bbox="671 943 1098 972">Intersection Degree of Saturation</th> <th data-bbox="1102 943 1342 972">Min LOS peak period</th> </tr> </thead> <tbody> <tr> <td data-bbox="671 978 895 1008">Signals / Roundabout</td> <td data-bbox="916 978 1054 1008">0.75 < x ≤ 0.9</td> </tr> <tr> <td data-bbox="671 1014 826 1043">Priority Control</td> <td data-bbox="916 1014 1054 1043">0.70 < x ≤ 0.8</td> </tr> </tbody> </table>			Street / Road Type	Max Roughness IRI	Min LOS peak period	Rural Arterial	5	C	Rural Sub-Arterial	7	C	Rural Distributor	9	C	Rural Collector Bus Route	11	C	Rural Collector	11	C	Rural Local	15	C	Urban Arterial	5	C	Urban Sub-Arterial	5	C	Urban Distributor A	7	C	Urban Collector	9	C	Urban Local	13	C	Industrial Collector	9	C	Industrial Local	13	C	Intersection Degree of Saturation	Min LOS peak period	Signals / Roundabout	0.75 < x ≤ 0.9	Priority Control	0.70 < x ≤ 0.8
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User safety will comply with accepted codes and standards.	<p>Design standards provided in:-</p> <ul style="list-style-type: none"> ▪ Planning Scheme Policy 1: Development Standards ▪ Gympie Regional Council Standard Drawings 																																																			

General Comments

The DSS has been aligned with GRC design requirements, statutory requirements and industry standards.

Table 4. 11 Desired standards of service - transport, footpaths and cycleways

ITEM	OBJECTIVE	DESIRABLE STANDARD
Network Strategy	To provide a safe, attractive and convenient network, integrated with the natural & built environment. To encourage walking & cycling as a commuting & recreational activity.	<ul style="list-style-type: none"> ▪ Complete pathway links ▪ Access from residential areas to major destinations & between major destinations ▪ Off-road facilities where feasible ▪ On-road facilities where safe Also provided in:- <ul style="list-style-type: none"> ▪ Cooloolo Shire Bicycle & Pedestrian Plan, Final Report – GHD, May 2003
Network Standard	To provide a safe & attractive network.	Provided in:- <ul style="list-style-type: none"> ▪ Guide to Traffic Management – Austroads, 2009 ▪ Guide to Road Design – Austroads, 2009 ▪ Cooloolo Shire Bicycle & pedestrian Plan, Final Report – GHD, May 2003 ▪ Cooloolo Shire Council Planning Scheme Policy 8, Infrastructure Works ▪ Cooloolo Shire Council Standard Drawings

General Comments

The DSS has been aligned with GRC design requirements, Integrated Environmental Management System, statutory requirements and industry standards.

Table 4. 12 Desired standards of service - transport, public transport

ITEM	OBJECTIVE	DESIRABLE STANDARD												
Network Strategy	To provide for a clear and attractive alternative to private vehicle use for intra- and inter-urban travel.	Provided in:- <ul style="list-style-type: none"> ▪ Moving People Connecting Communities: A Passenger Transport Strategy for Queensland 2007 – 2017 ▪ Wide Bay Integrated Transport Plan 2002 – 2020 ▪ Integrated Transport Planning Framework for Queensland 2003 												
Network Standard	To provide for a safe & attractive network accessible to all users.	Guidelines:- <ul style="list-style-type: none"> ▪ Disability Standards for Accessible Public Transport Guidelines 2004 ▪ Public Transport Infrastructure Manual 2007 Bus Stop Standards <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="padding-right: 10px;">Type</td> <td>Embellishments</td> </tr> <tr> <td style="padding-right: 10px;">A</td> <td>Large seating & shelter, off-road bus bays, integrated with car parking and other facilities</td> </tr> <tr> <td style="padding-right: 10px;">B</td> <td>C plus multiple shelters</td> </tr> <tr> <td style="padding-right: 10px;">C</td> <td>D plus 1 shelter</td> </tr> <tr> <td style="padding-right: 10px;">D</td> <td>E plus seat</td> </tr> <tr> <td style="padding-right: 10px;">E</td> <td>Concrete hardstand & J pole</td> </tr> </table>	Type	Embellishments	A	Large seating & shelter, off-road bus bays, integrated with car parking and other facilities	B	C plus multiple shelters	C	D plus 1 shelter	D	E plus seat	E	Concrete hardstand & J pole
Type	Embellishments													
A	Large seating & shelter, off-road bus bays, integrated with car parking and other facilities													
B	C plus multiple shelters													
C	D plus 1 shelter													
D	E plus seat													
E	Concrete hardstand & J pole													

General Comments

The DSS has been aligned with GRC design requirements, Integrated Environmental Management System, statutory requirements and industry standards.

4.4.5 Public parks and land for community facilities

Table 4. 13 Desired standards of service - public parks & community facilities land - Planning & Design

Measure	Planning criteria (qualitative standards)	Design criteria (quantitative standards)
Functional network	A network of parks and community facilities land is established to provide for the full range of recreational and sporting activities and pursuits.	<i>Parks and community land is provided at a local, district and LGA-wide level. Parks and community facilities land addresses the needs of both recreation and sport.</i>
Accessibility	Public parks will be located to ensure adequate pedestrian, cycle and vehicle access.	<i>Accessibility standards are identified in Table 4.15.</i>
Land quality / suitability Area / 1000 persons Minimum size Maximum grade Flood immunity	Public parks will be provided to a standard that supports a diverse range of recreational, sporting and health-promoting activities to meet community expectations. This includes ensuring land is of an appropriate size, configuration and slope, and has an acceptable level of flood immunity.	<i>The rate of public park provision is identified in Table 4.14. The size for public parks is identified in Table 4.16. The maximum gradient for public parks is identified in Table 4.17. The minimum flood immunity for public parks is identified in Table 4.18.</i>
Facilities / embellishments	Public parks contain a range of embellishments to complement the type and purpose of the park.	<i>Standard embellishments for each type of park are identified in Table 4.19.</i>
Infrastructure design / performance standards	Maximise opportunities to co-locate recreational parks in proximity to other community infrastructure, transport hubs and valued environmental and cultural assets.	<i>Local government standards in planning scheme and planning scheme policies. Cooloola Shire Open Space and Recreation Plan Australian Standards.</i>

Table 4. 14 Rate of land provision

Infrastructure type	Rate of provision (Ha/1000 people)		
	Local	District	Local government-wide
Recreation park	0.4	1.4	0.5
Sport park	-	1.5	0.8
Community facilities land	-	0.1	0.1

Table 4. 15 Accessibility standard

Infrastructure type	Accessibility Standard (km)		
	Local	District	Local government-wide
Recreation park	0.5	30	80
Sport park	-	30	80
Community facilities land	-	30	80

Table 4. 16 Size of parks and community land

Infrastructure type	Minimum size (Ha)		
	Local	District	Local government-wide
Recreation park	0.5	2	2
Sport park	-	5	10
Community facilities land	-	0.2	0.5

Table 4. 17 Maximum desired grade

Infrastructure type	Maximum Gradient		
	Local	District	Local government-wide
Recreation park	1:20	1:20	1:20
Sport park	-	1:50	1:50
Community facilities land	-	1:10	1:10

Table 4. 18 Minimum desired flood immunity for parks

Infrastructure type	Minimum flood immunity (%)								
	Local			District			Local government-wide		
Flood immunity	>5yr ARI	>50yr ARI	>100yr ARI	>5yr ARI	>50yr ARI	>100yr ARI	>5yr ARI	>50yr ARI	>100yr ARI
Recreation park	100	10	-	100	10	-	100	10	-
Sport park	-	-	-	-	100	Buildings	-	100	Buildings
Community facilities land	-	-	-	-	-	100	-	-	100

Table 4. 19 Standard facilities / embellishments for parks

Park Type Features	Local Park/ Village Park	District Park	Village Sports Park	Township/ District Sports Park/ Precinct	Regional Destination Park or Regional Sports Precinct	Rest Areas and Other Open Space
Boundary Fencing	Bollards to prevent car access.	Bollards to prevent car access.	Bollards to prevent car access onto fields.	Fencing/ bollards to control access into site as well as limiting internal traffic access to field and facilities.	Range of fencing/ boundary definition styles as appropriate to location.	As needed.
Water taps/ irrigation	1-2 drinking taps/ fountains where potable water is available.	2+ drinking fountains where potable water is available. Taps for picnic areas and active recreation nodes.	Taps located on built facilities and 1 per field where potable water is available. Irrigated.	Taps located on built facilities where potable water is available. Irrigated.	Drinking fountains and taps provided at picnic nodes and built amenities/ facilities. Irrigated.	Not provided.

Park Type Features	Local Park/ Village Park	District Park	Village Sports Park	Township/ District Sports Park/ Precinct	Regional Destination Park or Regional Sports Precinct	Rest Areas and Other Open Space
Toilets	Not provided for Local Parks. Provided for Village Parks.	Usually provided.	Provided if not being provided as part of club facilities.	Provided as part of facilities.	Provided.	Not usually provided unless combined with Village Park.
Bike/ ped'n paths and facilities	On footpath and providing access to boundary (local parks only).	Paths and links to park and within park. Bike racks provided.	Bikeway links to park. Bike racks provided.	Bikeway links to park. Internal links to facilities. Bike racks provided.	Internal paths to facilities and use areas.	
Lighting	Safety lighting provided by street lights.	For car park, toilets, youth space and picnic area. For natural area parks lights in car park and toilets.	For car park, toilets, security lighting for buildings. Field lighting responsibility of clubs.	For car park, toilets, security lighting for buildings. Field lighting responsibility of clubs.	For car park, toilets, picnic shelters. Where possible. May include field lighting for sports precinct.	Not normally provided.
Playgrounds	3 play event provided.	Large multiple play events provided.	Not provided except in associated recreation nodes (e.g. Local Park).	Not provided except as part of recreation nodes.	Sometimes provided as part of picnic and use area. Depends on the other opportunities at park.	Not provided.
Youth facilities – informal active facilities	Facility for older youth e.g. ½ court or open area for kick a bout. Usually provided in Village Park or nearby.	Youth “active” facilities provided e.g. ½ court, Bike tracks, youth space etc.	Not provided except as public access to sporting fields.	Not provided except as public access to sporting fields or as dedicated facility (e.g. skate park).	No specific facility provided if park “features” accommodate activity (e.g. swimming).	Not provided.
Sporting Fields	Sometimes provided if space permits as an informal field.	Sometimes provided if space permits as an informal field.	Fields provided and developed to playing standard.	Fields developed to playing standard.	Informal fields/ playing areas sometimes provided in Regional Parks. Fields and Amenities sometimes provided in Sports Precincts.	n/a

Park Type Features	Local Park/ Village Park	District Park	Village Sports Park	Township/ District Sports Park/ Precinct	Regional Destination Park or Regional Sports Precinct	Rest Areas and Other Open Space
Picnic tables, seats, BBQs	1- 2 tables 2 + seats BBQ normally provided for Village Parks.	2+ tables 4+ seats BBQs usually provided. Sheltered tables.	Not provided except as recreation nodes. 2-4 perimeter seats.	2 perimeter seats per field. Picnic facilities provided as part of recreation node.	Multiple picnic nodes provided as required.	1-2 tables
Shade	Shade from trees or structures provided for play events and picnic nodes.	Built shade for play and picnic facilities if natural shade unavailable.	Perimeter shade from appropriate tree species.	Perimeter shade for fields from trees.	Shade for picnic facilities and all use nodes. Shade planting and structures as required.	Natural Shade and Picnic Shelters.
Landscape works	Ornamental plantings. Shade species. Buffer plantings with other use nodes.	Enhancement plantings and shade plantings along with screening and buffers.	Planted buffer areas adjacent to residential. Screening/ buffer plantings for recreation nodes.	Planted buffer areas adjacent to residential. Screening / buffer plantings for recreation.	Significant works including plantings, features, and rehabilitation work where natural vegetation critical to site. Works at entry points and plantings as appropriate.	Defined access points, regeneration and enhancement plantings.
Car parks and internal roads	On street. Mainly a walk to park.	Off- street parking provided unless sufficient on-street available.	Off street parking provided.	Off street parking provided as central hubs to facilities/ field areas- linked by internal road network.	Off street or dedicated on street parking possibly provided in several locations. Internal roads if needed.	Off street or on street parking.
Special elements	Footpath kerbing and entry to park should allow for people with mobility challenges.	Location and directional signage. May also provide larger open areas for neighbourhood events.	Location and directional signage. May also provide large informal open spaces for community and civic events.	Location and directional signage.	Location directional and interpretation signs as required. May also provide large informal open spaces for community and civic events.	Location and directional signage.

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	