Appendix E

AFFECTED LOCAL ROADS – UIC PIPELINE

UIC Operations Affected local government controlled roads (Possible)	
Akers Gully Rd	Healys Crossing Rd
Baileys Rd	Hubbards Rd
Bakers Rd	Kerrs Rd
Beelbee Rd	Kumbarila Ln
Brownlies Rd	Matthews Rd
Campion Rd	McNulty St
Churck Rd	Millbank Boundary Rd
Clarke Creek Rd	Myranga Rd
Clarkes Rd	N E Robinsons Rd
Coates Rd	North Dulacca Hall Rd
Cormacks Rd	Number One Off Jackson Wandoan Rd
Dawson St	Old Moonie Rd
Douglas Rd	Paddys Creek Rd
Dulacca North Rd	Pine St
Eys Rd	R Clarkes Rd
Gadsbys Rd	Racecourse Rd
Glen Mona Rd	Reserved Rd
Glenafton Rd	Tames Rd
Glenlea Rd	The Peak Rd
Goombie Fairymeadow Rd	Varenes Rd
Grahams Rd	Walan Creek Rd
Greenswamp Rd	Weir Rd
Gregory St	Weitzels Rd
Gulera Rd	Welshs Rd
Gurulmundi Rd	Wiembilla Rd
Halliford Rd	Wildflower Rd
Haslops Rd	Willetts Rd

Appendix F

HAUL ROUTE – COLLECTION LATERAL

CLIENT: QGC & BG International

PROJECT: Queensland Curtis LNG Project

TITLE: Collection Lateral - Haulage Routes for Pipelines

DATE: 8-January-2009

DATA SOURCE:

1:250,000 Topographic Raster copyright Geoscience Australia

> Prepared by Mipela G.I.S > Phone: +61-7-3202 5000 > Web: www.mipela.com.au > Email: info@mipela.com.au

SCALE: 1:1,300,000 (A3) GDA94 Lat/Long

-20 0 20 40 60

Kilometres

LEGEND

Collection Lateral Haulage Routes

Lateral 1050

PROPOSED PIPELINE ALIGNMENT	REV NO	DATE	SUPPLIED BY
Main Pipeline & KPs	Rev C	05-12-2008	Unidel
Collection Lateral & KPs	Rev C	17-11-2008	Unidel
Approx. Upstream Infrastructure Corridor & KPs	Rev A	26-11-2008	Unidel

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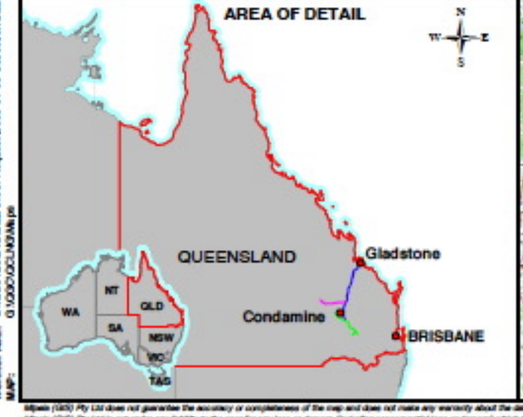

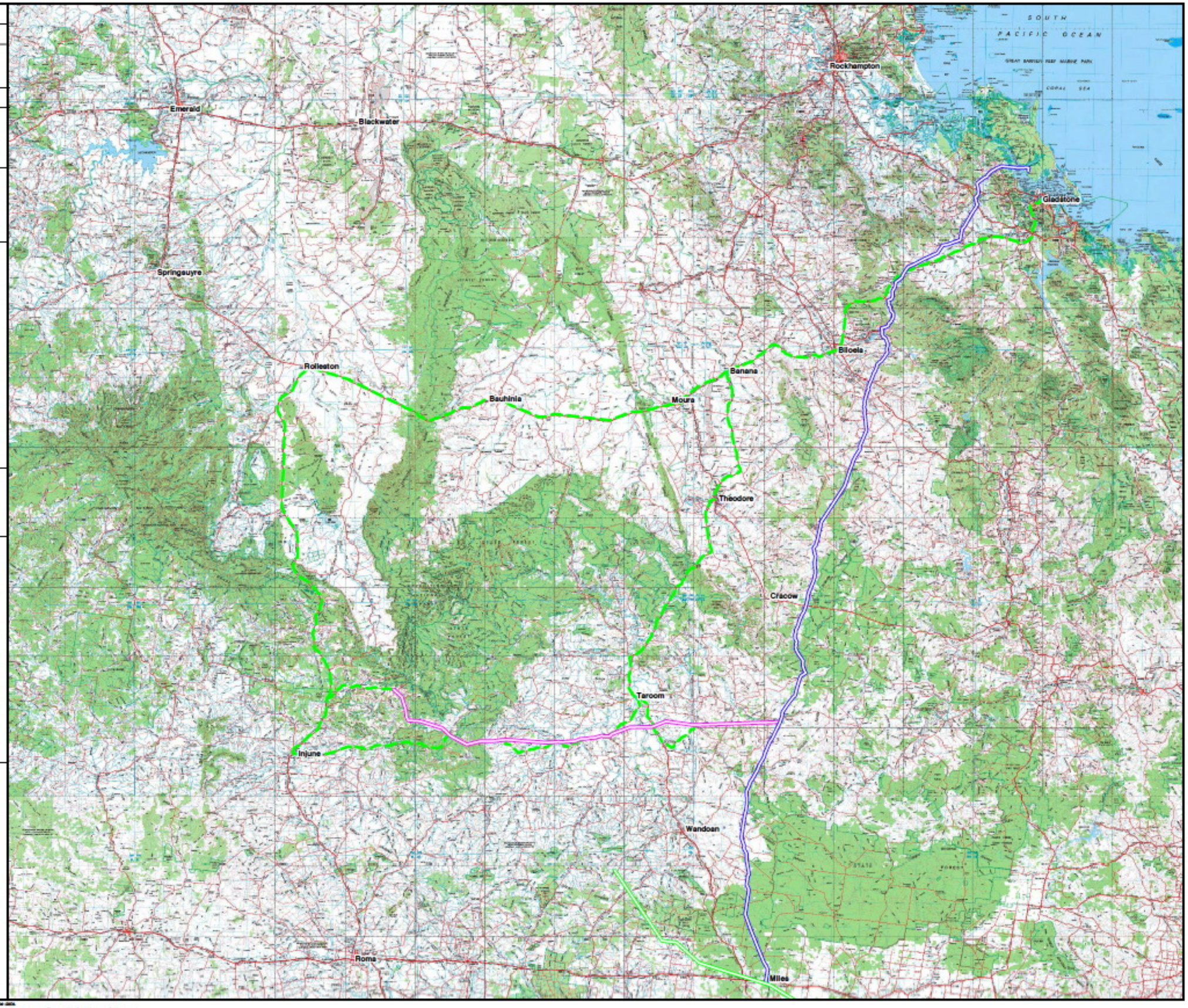

WORKSPACE: G:\QGC\QCLNG\Data Work Request\2009-01-08 Collection Lateral Haulage Routes\Collection Lateral Haulage Routes.WOR

MAP: G:\QGC\QCLNG\Maps

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Appendix G

AFFECTED LOCAL ROADS – COLLECTION LATERAL

Collection Lateral Operations Affected local government controlled roads (Possible)
Bowlings Rd
Bungaban Twelve Mile Rd
Chambers Rd
Cockatoo Rd
Corfields Rd
Cracow Rd
Fairview Rd
Greens Rd
Hoopers Rd
Howards Rd
Injune Rd
Injune Roma Connection Rd
Injune Taroom Rd
Kinnoul Rd
Maidens Rd
Nathan Rd
Old Injune Rd
Phelps Rd
Pine Creek Rd
Red Range Rd
Smiths Rd

Appendix H

TRAFFIC GROWTH RATE – 20YEAR PAVEMENT LOAD

Road					Existing Traffic										
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction		20year Pavement Load
10E	Bruce Highway	Benaraby - Rockhampton	0.000- 11.580	Rockhampton	4556	5.00%	6.6%	11.2%	7.5%		25.3%	3.11	1791		1.31E+07
10E	Bruce Highway	Benaraby - Rockhampton	11.580- 45.410	Rockhampton	3450	5.00%	9.6%	12.8%	9.5%		31.9%	3.08	1698		1.25E+07
18A	Warrego Highway	Ipswich - Toowoomba	28.900- 44.260	Toowomba	18021	1.12%	6.9%	7.0%	4.4%		18.3%	2.96	4871		3.56E+07
18A	Warrego Highway	Ipswich - Toowoomba	44.260- 47.860	Toowomba	17209	3.49%	6.6%	6.7%	4.6%		17.9%	2.98	4581		3.36E+07
18A	Warrego Highway	Ipswich - Toowoomba	47.860- 55.520	Toowomba	17751	2.29%	7.0%	7.1%	4.7%		18.8%	2.97	4943		3.62E+07
18A	Warrego Highway	Ipswich - Toowoomba	55.520- 75.370	Toowomba	12958	4.06%	5.2%	6.1%	4.4%		15.7%	3.03	3077		2.26E+07
18A	Warrego Highway	Ipswich - Toowoomba	75.370- 83.350	Toowomba	16490	1.49%	6.0%	5.4%	3.4%		14.7%	2.92	3548		2.59E+07
18A	Warrego Highway	Ipswich - Toowoomba	83.350- 92.760	Toowomba	20469	2.88	7.5%	4.1%	3.6%		15.2%	2.86	4456		4.44E+07
18A	Warrego Highway	Ipswich - Toowoomba	92.760- 94.580	Toowomba	19789	0.0	5.7%	4.1%	2.4%		12.2%	2.83	3411		2.49E+07
18A	Warrego Highway	Ipswich - Toowoomba	94.580- 95.010	Toowomba	20291	0.0	6.0%	4.9%	2.1%		12.9%	2.79	3653		2.67E+07
18B	Warrego Highway	Toowoomba - Dalby	0.000- 0.990	Toowomba	24055	0.38%	6.2%	3.2%		2.0%	11.3%	3	4077		2.98E+07
18B	Warrego Highway	Toowoomba - Dalby	0.990- 2.210	Toowomba	22080	0.50%	7.1%	3.9%		2.0%	12.9%	2.95	4201		3.07E+07
18B	Warrego Highway	Toowoomba - Dalby	2.210- 3.740	Toowomba	17513	0.85%	6.5%	4.3%		2.1%	12.8%	3.01	3378		2.47E+07
18B	Warrego Highway	Toowoomba - Dalby	3.740- 4.520	Toowomba	11653	0.0	2.6%	1.1%		0.6%	4.3%	2.84	709		5.18E+06
18B	Warrego Highway	Toowoomba - Dalby	4.520- 6.630	Toowomba	16255	0.57%	4.5%	1.4%		0.4%	6.3%	2.58	1323		9.66E+06
18B	Warrego Highway	Toowoomba - Dalby	6.630- 10.590	Toowomba	13564	4.97%	6.3%	1.6%		0.6%	8.5%	2.57	1484		1.09E+07
18B	Warrego Highway	Toowoomba - Dalby	10.590- 26.830	Toowomba	11482	3.91%	6.1%	3.0%		2.9%	12.0%	3.19	2190		1.61E+07
18B	Warrego Highway	Toowoomba - Dalby	26.830- 80.820	Toowomba	4433	5.00%	8.3%	5.7%		7.8%	21.8%	3.61	1742		1.28E+07
18B	Warrego Highway	Toowoomba - Dalby	80.820- 84.189	Toowomba	5639	3.25%	6.6%	4.2%		4.5%	15.3%	3.4	1461		1.07E+07
18C	Warrego Highway	Dalby - Miles	0.000-1.090	Toowomba	6429	1.18%	6.6%	3.5%		4.8%	14.8%	3.47	1656		1.21E+07
18C	Warrego Highway	Dalby - Miles	1.090- 25.115	Toowomba	2375	5.00%	8.7%	5.5%		7.8%	22.0%	3.59	938		6.88E+06
18C	Warrego Highway	Dalby - Miles	25.115- 45.195	Toowomba	2229	5.00%	11.0%	6.4%		8.9%	26.3%	3.53	1033		7.58E+06
18C	Warrego Highway	Dalby - Miles	45.195- 80.175	Toowomba	2101	5.00%	9.0%	6.2%		8.8%	24.0%	3.64	918		6.74E+06
18C	Warrego Highway	Dalby - Miles	80.175- 83.155	Toowomba	2474	3.12%	8.7%	5.2%		7.9%	21.8%	3.6	970		7.10E+06
18C	Warrego Highway	Dalby - Miles	83.155- 106.355	Toowomba	2063	3.92%	7.9%	6.0%		9.2%	23.0%	3.75	889		6.52E+06

Road					Existing Traffic										
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction		20year Pavement Load
18D	Warrego Highway	Miles - Roma	0.000-1.135	Roma	2675	5.00%	8.8%	5.6%		8.2%	22.5%	3.62	1090		8.00E+06
18D	Warrego Highway	Miles - Roma	1.135-44.099	Roma	1489	5.00%	8.9%	6.1%		10.9%	25.9%	3.8	733		5.38E+06
18D	Warrego Highway	Miles - Roma	44.099-56.831	Roma	1231	5.00%	8.6%	6.6%		12.9%	28.1%	3.93	680		4.99E+06
18D	Warrego Highway	Miles - Roma	56.831-101.157	Roma	1188	5.00%	8.4%	6.5%		13.2%	28.0%	3.96	659		4.84E+06
24D	Carnarvan Hwy	Roma - Injune	0.000-3.340	Roma	1799	5.00%	8.2%	3.5%		5.9%	17.6%	3.49	551		4.04E+06
24D	Carnarvan Hwy	Roma - Injune	3.340-17.570	Roma	1053	5.00%	11.7%	5.7%		11.2%	28.6%	3.67	553		4.06E+06
24D	Carnarvan Hwy	Roma - Injune	17.570-90.350	Roma	584	5.00%	7.6%	7.5%		13.7%	28.8%	4	336		2.47E+06
24E	Carnarvan Hwy	Injune - Rolleston	0.000- 68.51	Roma	336	5.00%					36.4%	3.2	392		2.88E+06
24E	Carnarvan Hwy	Injune - Rolleston	68.520- 111.580	Roma	390	5.00%					31.8%	3.2	397		2.91E+06
24E	Carnarvan Hwy	Injune - Rolleston	111.580- 172.31	Roma	406	5.00%					34.8%	3.2	452		3.32E+06
26A	Leichardt Highway	Westwood - Taroom	104.655- 105.215	Rockhampton	2115	5.00%	8.3%	4.5%		5.5%	18.3%	3.39	656		4.81E+06
26A	Leichardt Highway	Westwood - Taroom	105.215- 162.335	Rockhampton	664	5.00%	9.4%	8.8%		11.2%	29.4%	3.72	363		2.66E+06
26A	Leichardt Highway	Westwood - Taroom	162.335- 170.287	Rockhampton	726	2.38%	7.6%	5.8%		7.8%	21.1%	3.65	280		2.05E+06
26A	Leichardt Highway	Westwood - Taroom	170.287- 192.228	Rockhampton	492	5.00%	8.4%	8.9%		11.5%	28.8%	3.78	268		1.97E+06
26B	Leichardt Highway	Taroom - Miles	0.000- 60.470	Roma	654	5.00%	9.6%	8.5%		10.8%	28.9%	3.69	348		2.55E+06
26B	Leichardt Highway	Taroom - Miles	60.470- 127.610	Roma	638	5.00%	8.4%	10.6%		12.9%	31.9%	3.83	389		2.85E+06
26C	Leichardt Highway	Miles - Goondiwindi	0.000-32.020	Roma	478	4.83%	8.9%	7.8%		12.3%	29.0%	3.84	266		1.95E+06
26C	Leichardt Highway	Miles - Goondiwindi	32.020-53.040	Roma	300	0.0	7.0%	9.5%		14.3%	30.8%	4.01	185		1.35E+06
26C	Leichardt Highway	Miles - Goondiwindi	53.040- 81.400	Warrick	263	3.71%	8.0%	14.2%		22.6%	44.8%	4.14	244		1.79E+06
35A	Moonie Hwy	Dalby - St George	0.00- 2500	Toowomba	6392	2.05%	5.0%	1.3%		0.9%	7.2%	2.76	630		4.61E+06
35A	Moonie Hwy	Dalby - St George	2.500-11.00	Toowomba	1858	2.07%	8.1%	4.0%		4.1%	16.2%	3.25	489		3.58E+06
35A	Moonie Hwy	Dalby - St George	11.00- 50.370	Toowomba	1307	1.67%	8.7%	4.8%		4.8%	18.3%	3.29	393		2.87E+06
41D	Burnett Highway	Monto - Bioela	41.470- 85.531	Rockhampton	669	5.00%	9.6%	5.3%	2.6%		17.6%	2.72	160		1.17E+06
41D	Burnett Highway	Monto - Bioela	85.531 - 92.811	Rockhampton	1814	2.96%	7.3%	2.4%	1.1%		10.7%	2.57	249		1.82E+06
41D	Burnett Highway	Monto - Biolela	92.811-93.811	Rockhampton	2367	4.06%	7.0%	1.8%	0.7%		9.5%	2.49	281		2.06E+06

Road					Existing Traffic										
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction		20year Pavement Load
46A	Dawson Highway	Gladstone - Biloela	0.000- 1.498	Rockhampton	12708	0.0	2.4%	0.5%	0.1%		3.0%	3.2	1200		8.76E+06
46A	Dawson Highway	Gladstone - Biloela	1.498- 2.238	Rockhampton	19222	0.31%	2.6%	3.5%	0.1%		6.2%	3.2	3796		2.77E+07
46A	Dawson Highway	Gladstone - Biloela	2.238- 3.130	Rockhampton	24308	0.67%	6.5%	0.5%	0.1%		7.1%	3.2	5508		4.02E+07
46A	Dawson Highway	Gladstone - Biloela	3.130- 4.391	Rockhampton	28614	2.58%	3.1%	0.3%	0.1%		3.5%	3.2	3187		2.33E+07
46A	Dawson Highway	Gladstone - Biloela	4.391- 5.179	Rockhampton	22079	4.01%	5.9%	0.5%	0.1%		6.5%	3.2	4565		3.35E+07
46A	Dawson Highway	Gladstone - Biloela	5.179- 10.296	Rockhampton	6033	5.00%	4.2%	1.0%	0.2%		5.5%	3.2	1060		7.78E+06
46A	Dawson Highway	Gladstone - Biloela	10.296- 19.050	Rockhampton	4787	4.85%	5.4%	2.5%	1.5%		9.4%	3.2	1440		1.06E+07
46A	Dawson Highway	Gladstone - Biloela	19.050-21.750	Rockhampton	5308	5.00%	6.3%	2.7%	1.7%		10.6%	3.2	1804		1.32E+07
46A	Dawson Highway	Gladstone - Biloela	21.750- 25690	Rockhampton	1795	5.00%	8.3%	4.3%	3.6%		16.1%	3.2	924		6.78E+06
46A	Dawson Highway	Gladstone - Biloela	25.690- 101.266	Rockhampton	1024	5.00%	8.8%	5.5%	10.2%		24.5%	3.2	804		5.90E+06
46A	Dawson Highway	Gladstone - Biloela	101.266-113.986	Rockhampton	931	5.00%	9.2%	5.5%	5.3%		20.0%	3.2	597		4.38E+06
46A	Dawson Highway	Gladstone - Biloela	113.986- 117.094	Rockhampton	1319	4.00%	10.2%	4.0%	3.0%		17.2%	3.2	724		5.31E+06
46A	Dawson Highway	Gladstone - Biloela	117.094- 120.016	Rockhampton	6368	0.0	4.4%	1.0%	0.7%		6.1%	3.2	1239		9.04E+06
46B	Dawson Highway	Biloela - Banana	0.000- 1.366	Rockhampton	5486	5.00%	7.6%	1.9%		1.1%	10.5%	3.2	1842		1.35E+07
46B	Dawson Highway	Biloela - Banana	1.366- 26.802	Rockhampton	1756	4.35%	9.7%	3.3%		2.5%	15.5%	3.2	873		6.40E+06
46B	Dawson Highway	Biloela - Banana	26.802- 45.690	Rockhampton	1238	5.00%	10.6%	3.2%		3.1%	16.9%	3.2	670		4.92E+06
46C	Dawson Highway	Banana- Rolleston	0.000- 7.750	Roma	1305	5.00%					17.4%	3.2	728		5.34E+06
46C	Dawson Highway	Banana- Rolleston	7.750- 19.134	Roma	1660	5.00%					14.2%	3.2	755		5.54E+06
46C	Dawson Highway	Banana- Rolleston	19/134- 41.000	Roma	373	5.00%					21.7%	3.2	260		1.91E+06
46C	Dawson Highway	Banana- Rolleston	41.000- 45.051	Roma	373	5.00%					21.7%	3.2	260		1.91E+06
46C	Dawson Highway	Banana- Rolleston	45.051- 73.941	Roma	268	5.00%					26.3%	3.2	226		1.66E+06
46C	Dawson Highway	Banana- Rolleston	73.942- 92.411	Roma	249	5.00%					28.5%	3.2	228		1.67E+06
46C	Dawson Highway	Banana- Rolleston	92.411-130.00	Roma	207	5.00%					29.8%	3.2	198		1.45E+06
46C	Dawson Highway	Banana- Rolleston	130.00- 141.969	Roma	207	5.00%					29.8%	3.2	198		1.45E+06
46C	Dawson Highway	Banana- Rolleston	141.969- 168.38	Roma	207	5.00%					29.8%	3.2	198		1.45E+06

Road					Existing Traffic										
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction		20year Pavement Load
86A	Surat Development Road	Surat - Tara	119.3- 142.7	Warrick	257	0.0	11.3%	4.9%		3.7%	19.9%	3.05	78		5.69E+05
86A	Surat Development Road	Surat - Tara	142.67-146.95	Warrick	639	0.62%	10.5%	3.2%		3.3%	16.9%	3.01	163		1.19E+06
86A	Surat Development Road	Surat - Tara	146.95-147.51	Warrick	1674	2.50%	7.6%	2.5%		1.3%	11.4%	2.77	264		1.93E+06
86A	Surat Development Road	Surat - Tara	147.51-147.86	Warrick	2176	0.0	7.1%	2.4%		1.6%	11.1%	2.86	345		2.52E+06
86B	Surat Development Road	Tara - Dalby	0-0.05	Warrick	2118	0.0	5.6%	1.7%		1.5%	8.9%	2.92	274		2.00E+06
86B	Surat Development Road	Tara - Dalby	0.05-0.6	Warrick	930	0.0	5.7%	4.1%		4.6%	14.5%	3.51	236		1.72E+06
86B	Surat Development Road	Tara - Dalby	0.6-40.39	Warrick	618	3.90%	11.4%	4.7%		3.7%	19.7%	3.02	184		1.35E+06
181	Gladston Mt Larcom Road		0.000-1.345	Rockhampton	8631	0.0	8.4%	2.4%		1.8%	12.6%	3.2	3469		2.53E+07
181	Gladston Mt Larcom Road		1.345- 3.258	Rockhampton	6052	4.78%	11.1%	3.7%		2.4%	17.2%	3.2	3326		2.44E+07
181	Gladston Mt Larcom Road		3.258 -4.625	Rockhampton	8931	5.00%	9.6%	4.6%		2.1%	16.3%	3.2	4659		3.42E+07
181	Gladston Mt Larcom Road		4.625- 12.292	Rockhampton	6161	5.00%	6.0%	6.3%		3.7%	16.0%	3.2	3157		2.32E+07
181	Gladston Mt Larcom Road		12.292- 31.141	Rockhampton	2934	5.00%	7.7%	6.0%		6.5%	20.1%	3.2	1890		1.39E+07
340	Dalby Kogan Road		0.000- 19.292	Toowomba	510	5.00%	15.4%	4.8%		5.0%	25.1%	3.01	193		1.42E+06
340	Dalby Kogan Road		19.292- 47.682	Toowomba	310	5.00%	8.7%	4.4%		7.5%	20.6%	3.6	115		8.44E+05
341	Chinchilla - Tara Road		0.000- 22.510	Toowomba	719		10.7%	2.4%		1.0%	14.1%	2.58	131		0.00E+00
341	Chinchilla - Tara Road		22.510- 43.490	Toowomba	351		11.8%	4.9%		0.5%	17.2%	2.52	76		0.00E+00
342	Kogan Condamine Road		0.000- 45.820	Toowomba	130	5.00%	9.1%	8.7%		16.1%	33.9%	3.99	88		6.46E+05
454	Eidsvold - Theodore Road		2.971- 77.400	Bundaberg	177	5.00%	11.7%	7.6%		1.9%	21.2%	2.82	53		3.89E+05
454	Eidsvold - Theodore Road		77.400- 92.118	Rockhampton	79	5.00%	10.3%	12.9%		3.9%	27.0%	3.09	33		2.42E+05
454	Eidsvold - Theodore Road		92.118- 141.789	Rockhampton	170	4.93%	12.6%	4.9%		3.1%	20.6%	2.91	51		3.74E+05
454	Eidsvold - Theodore Road		141.789-143.960	Rockhampton	741	0.07%	7.7%	2.0%		0.9%	10.7%	2.66	105		7.67E+05
3402	Tara - Kogan Road		34.800-43.030	Toowomba	155	0.0	9.3%	1.3%		0.2%	10.8%	2.39	20		1.46E+05
4302	Jackson Wandoan Road		0.00- 68.930	Roma	66	5.00%	10.6%	5.8%		5.1%	21.5%	3.25	23		1.69E+05
4302	Jackson Wandoan Road		68.930- 81.100	Roma	132	5.00%	12.0%	4.4%		4.1%	20.6%	3.1	42		3.08E+05
4397	Roma - Taroom Road		84.15- 149.420	Roma	91	3.49%	14.7%	4.6%		4.5%	23.8%	3.05	33		2.42E+05

Appendix I

TOTAL GENERATED ESAS - PERCENTAGE ANNUAL ESAS

Road					Existing Traffic											
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction	Total Generated ESA/s		% Annual ESAs
10E	Bruce Highway	Benaraby - Rockhampton	0.000- 11.580	Rockhampton	4556	5.00%	6.6%	11.2%	7.5%		25.3%	3.11	1791	3.32E+03		0.51%
10E	Bruce Highway	Benaraby - Rockhampton	11.580- 45.410	Rockhampton	3450	5.00%	9.6%	12.8%	9.5%		31.9%	3.08	1698	3.32E+03		0.54%
18A	Warrego Highway	Ipswich - Toowoomba	28.900- 44.260	Toowomba	18021	1.12%	6.9%	7.0%	4.4%		18.3%	2.96	4871	4.46E+03		0.25%
18A	Warrego Highway	Ipswich - Toowoomba	44.260- 47.860	Toowomba	17209	3.49%	6.6%	6.7%	4.6%		17.9%	2.98	4581	4.46E+03		0.27%
18A	Warrego Highway	Ipswich - Toowoomba	47.860- 55.520	Toowomba	17751	2.29%	7.0%	7.1%	4.7%		18.8%	2.97	4943	4.46E+03		0.25%
18A	Warrego Highway	Ipswich - Toowoomba	55.520- 75.370	Toowomba	12958	4.06%	5.2%	6.1%	4.4%		15.7%	3.03	3077	4.46E+03		0.40%
18A	Warrego Highway	Ipswich - Toowoomba	75.370- 83.350	Toowomba	16490	1.49%	6.0%	5.4%	3.4%		14.7%	2.92	3548	4.46E+03		0.34%
18A	Warrego Highway	Ipswich - Toowoomba	83.350- 92.760	Toowomba	20469	2.88	7.5%	4.1%	3.6%		15.2%	2.86	4456	4.46E+03		0.27%
18A	Warrego Highway	Ipswich - Toowoomba	92.760- 94.580	Toowomba	19789	0.0	5.7%	4.1%	2.4%		12.2%	2.83	3411	4.46E+03		0.36%
18A	Warrego Highway	Ipswich - Toowoomba	94.580- 95.010	Toowomba	20291	0.0	6.0%	4.9%	2.1%		12.9%	2.79	3653	4.46E+03		0.33%
18B	Warrego Highway	Toowoomba - Dalby	0.000- 0.990	Toowomba	24055	0.38%	6.2%	3.2%		2.0%	11.3%	3	4077	4.46E+03		0.30%
18B	Warrego Highway	Toowoomba - Dalby	0.990- 2.210	Toowomba	22080	0.50%	7.1%	3.9%		2.0%	12.9%	2.95	4201	4.46E+03		0.29%
18B	Warrego Highway	Toowoomba - Dalby	2.210- 3.740	Toowomba	17513	0.85%	6.5%	4.3%		2.1%	12.8%	3.01	3378	4.46E+03		0.36%
18B	Warrego Highway	Toowoomba - Dalby	3.740- 4.520	Toowomba	11653	0.0	2.6%	1.1%		0.6%	4.3%	2.84	709	4.46E+03		1.72%
18B	Warrego Highway	Toowoomba - Dalby	4.520- 6.630	Toowomba	16255	0.57%	4.5%	1.4%		0.4%	6.3%	2.58	1323	4.46E+03		0.92%
18B	Warrego Highway	Toowoomba - Dalby	6.630- 10.590	Toowomba	13564	4.97%	6.3%	1.6%		0.6%	8.5%	2.57	1484	4.46E+03		0.82%
18B	Warrego Highway	Toowoomba - Dalby	10.590- 26.830	Toowomba	11482	3.91%	6.1%	3.0%		2.9%	12.0%	3.19	2190	4.46E+03		0.56%
18B	Warrego Highway	Toowoomba - Dalby	26.830- 80.820	Toowomba	4433	5.00%	8.3%	5.7%		7.8%	21.8%	3.61	1742	4.46E+03		0.70%
18B	Warrego Highway	Toowoomba - Dalby	80.820- 84.189	Toowomba	5639	3.25%	6.6%	4.2%		4.5%	15.3%	3.4	1461	4.46E+03		0.84%
18C	Warrego Highway	Dalby - Miles	0.000-1.090	Toowomba	6429	1.18%	6.6%	3.5%		4.8%	14.8%	3.47	1656	2.79E+03		0.46%
18C	Warrego Highway	Dalby - Miles	1.090- 25.115	Toowomba	2375	5.00%	8.7%	5.5%		7.8%	22.0%	3.59	938	2.79E+03		0.82%
18C	Warrego Highway	Dalby - Miles	25.115- 45.195	Toowomba	2229	5.00%	11.0%	6.4%		8.9%	26.3%	3.53	1033	2.79E+03		0.74%
18C	Warrego Highway	Dalby - Miles	45.195- 80.175	Toowomba	2101	5.00%	9.0%	6.2%		8.8%	24.0%	3.64	918	5.34E+03		1.59%
18C	Warrego Highway	Dalby - Miles	80.175- 83.155	Toowomba	2474	3.12%	8.7%	5.2%		7.9%	21.8%	3.6	970	5.34E+03		1.51%
18C	Warrego Highway	Dalby - Miles	83.155- 106.355	Toowomba	2063	3.92%	7.9%	6.0%		9.2%	23.0%	3.75	889	1.11E+04		3.41%
18D	Warrego Highway	Miles - Roma	0.000-1.135	Roma	2675	5.00%	8.8%	5.6%		8.2%	22.5%	3.62	1090	4.41E+03		1.11%
18D	Warrego Highway	Miles - Roma	1.135-44.099	Roma	1489	5.00%	8.9%	6.1%		10.9%	25.9%	3.8	733	5.85E+03		2.19%

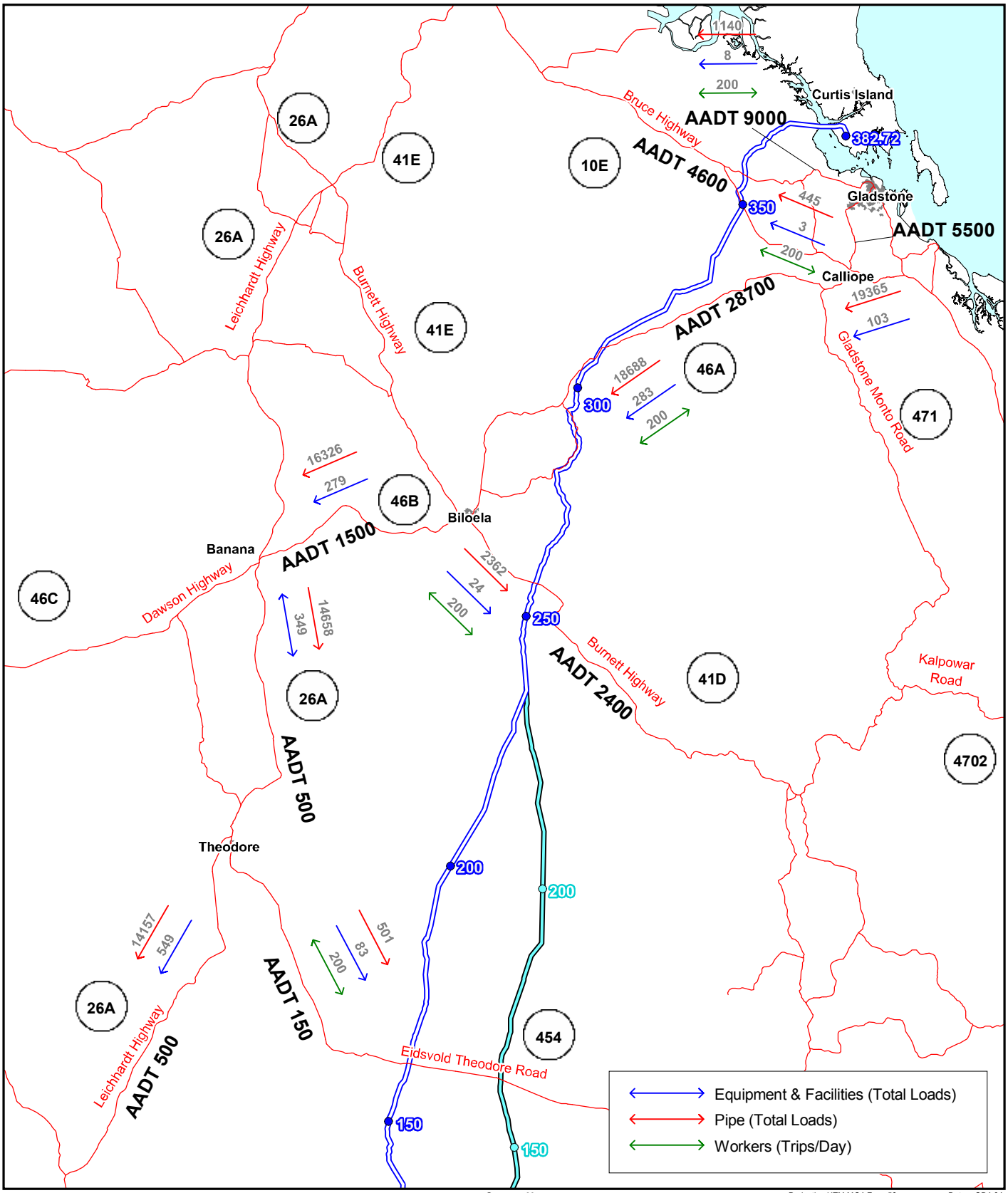
Road					Existing Traffic											
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction	Total Generated ESA/s		% Annual ESAs
18D	Warrego Highway	Miles - Roma	44.099-56.831	Roma	1231	5.00%	8.6%	6.6%		12.9%	28.1%	3.93	680	1.65E+02		0.07%
18D	Warrego Highway	Miles - Roma	56.831-101.157	Roma	1188	5.00%	8.4%	6.5%		13.2%	28.0%	3.96	659	1.65E+02		0.07%
24D	Carnarvan Hwy	Roma - Injune	0.000-3.340	Roma	1799	5.00%	8.2%	3.5%		5.9%	17.6%	3.49	551	1.02E+02		0.05%
24D	Carnarvan Hwy	Roma - Injune	3.340-17.570	Roma	1053	5.00%	11.7%	5.7%		11.2%	28.6%	3.67	553	1.02E+02		0.05%
24D	Carnarvan Hwy	Roma - Injune	17.570-90.350	Roma	584	5.00%	7.6%	7.5%		13.7%	28.8%	4	336	1.02E+02		0.08%
24E	Carnarvan Hwy	Injune - Rolleston	0.000- 68.51	Roma	336	5.00%					36.4%	3.2	392	7.02E+03		4.91%
24E	Carnarvan Hwy	Injune - Rolleston	68.520- 111.580	Roma	390	5.00%					31.8%	3.2	397	4.88E+03		3.37%
24E	Carnarvan Hwy	Injune - Rolleston	111.580- 172.31	Roma	406	5.00%					34.8%	3.2	452	4.88E+03		2.96%
26A	Leichardt Highway	Westwood - Taroom	104.655- 105.215	Rockhampton	2115	5.00%	8.3%	4.5%		5.5%	18.3%	3.39	656	4.54E+04		18.97%
26A	Leichardt Highway	Westwood - Taroom	105.215- 162.335	Rockhampton	664	5.00%	9.4%	8.8%		11.2%	29.4%	3.72	363	4.54E+04		34.29%
26A	Leichardt Highway	Westwood - Taroom	162.335- 170.287	Rockhampton	726	2.38%	7.6%	5.8%		7.8%	21.1%	3.65	280	4.53E+04		44.33%
26A	Leichardt Highway	Westwood - Taroom	170.287- 192.228	Rockhampton	492	5.00%	8.4%	8.9%		11.5%	28.8%	3.78	268	4.25E+04		43.40%
26B	Leichardt Highway	Taroom - Miles	0.000- 60.470	Roma	654	5.00%	9.6%	8.5%		10.8%	28.9%	3.69	348	3.97E+04		31.28%
26B	Leichardt Highway	Taroom - Miles	60.470- 127.610	Roma	638	5.00%	8.4%	10.6%		12.9%	31.9%	3.83	389	2.78E+04		19.60%
26C	Leichardt Highway	Miles - Goondiwindi	0.000-32.020	Roma	478	4.83%	8.9%	7.8%		12.3%	29.0%	3.84	266	3.80E+03		3.91%
26C	Leichardt Highway	Miles - Goondiwindi	32.020-53.040	Roma	300	0.0	7.0%	9.5%		14.3%	30.8%	4.01	185	3.80E+03		5.63%
26C	Leichardt Highway	Miles - Goondiwindi	53.040- 81.400	Warrick	263	3.71%	8.0%	14.2%		22.6%	44.8%	4.14	244	3.80E+03		4.27%
35A	Moonie Hwy	Dalby - St George	0.00- 2500	Toowomba	6392	2.05%	5.0%	1.3%		0.9%	7.2%	2.76	630	2.71E+03		1.18%
35A	Moonie Hwy	Dalby - St George	2.500-11.00	Toowomba	1858	2.07%	8.1%	4.0%		4.1%	16.2%	3.25	489	2.71E+03		1.52%
35A	Moonie Hwy	Dalby - St George	11.00- 50.370	Toowomba	1307	1.67%	8.7%	4.8%		4.8%	18.3%	3.29	393	3.52E+03		2.45%
41D	Burnett Highway	Monto - Bioela	41.470- 85.531	Rockhampton	669	5.00%	9.6%	5.3%	2.6%		17.6%	2.72	160	8.99E+03		15.39%
41D	Burnett Highway	Monto - Bioela	85.531 - 92.811	Rockhampton	1814	2.96%	7.3%	2.4%	1.1%		10.7%	2.57	249	8.99E+03		9.89%
41D	Burnett Highway	Monto - Biolela	92.811-93.811	Rockhampton	2367	4.06%	7.0%	1.8%	0.7%		9.5%	2.49	281	8.99E+03		8.76%
46A	Dawson Highway	Gladstone - Biloela	0.000- 1.498	Rockhampton	12708	0.0	2.4%	0.5%	0.1%		3.0%	3.2	1200	5.66E+04		12.93%
46A	Dawson Highway	Gladstone - Biloela	1.498- 2.238	Rockhampton	19222	0.31%	2.6%	3.5%	0.1%		6.2%	3.2	3796	5.66E+04		4.09%
46A	Dawson Highway	Gladstone - Biloela	2.238- 3.130	Rockhampton	24308	0.67%	6.5%	0.5%	0.1%		7.1%	3.2	5508	5.66E+04		2.82%
46A	Dawson Highway	Gladstone - Biloela	3.130- 4.391	Rockhampton	28614	2.58%	3.1%	0.3%	0.1%		3.5%	3.2	3187	5.66E+04		4.87%

Road					Existing Traffic											
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction	Total Generated ESA/s		% Annual ESAs
46A	Dawson Highway	Gladstone - Biloela	4.391- 5.179	Rockhampton	22079	4.01%	5.9%	0.5%	0.1%		6.5%	3.2	4565	5.66E+04		3.40%
46A	Dawson Highway	Gladstone - Biloela	5.179- 10.296	Rockhampton	6033	5.00%	4.2%	1.0%	0.2%		5.5%	3.2	1060	5.66E+04		14.64%
46A	Dawson Highway	Gladstone - Biloela	10.296- 19.050	Rockhampton	4787	4.85%	5.4%	2.5%	1.5%		9.4%	3.2	1440	5.66E+04		10.78%
46A	Dawson Highway	Gladstone - Biloela	19.050-21.750	Rockhampton	5308	5.00%	6.3%	2.7%	1.7%		10.6%	3.2	1804	5.66E+04		8.60%
46A	Dawson Highway	Gladstone - Biloela	21.750- 25690	Rockhampton	1795	5.00%	8.3%	4.3%	3.6%		16.1%	3.2	924	5.81E+04		17.22%
46A	Dawson Highway	Gladstone - Biloela	25.690- 101.266	Rockhampton	1024	5.00%	8.8%	5.5%	10.2%		24.5%	3.2	804	6.04E+04		20.60%
46A	Dawson Highway	Gladstone - Biloela	101.266-113.986	Rockhampton	931	5.00%	9.2%	5.5%	5.3%		20.0%	3.2	597	5.85E+04		26.84%
46A	Dawson Highway	Gladstone - Biloela	113.986- 117.094	Rockhampton	1319	4.00%	10.2%	4.0%	3.0%		17.2%	3.2	724	5.70E+04		21.59%
46A	Dawson Highway	Gladstone - Biloela	117.094- 120.016	Rockhampton	6368	0.0	4.4%	1.0%	0.7%		6.1%	3.2	1239	5.70E+04		12.61%
46B	Dawson Highway	Biloela - Banana	0.000- 1.366	Rockhampton	5486	5.00%	7.6%	1.9%		1.1%	10.5%	3.2	1842	4.82E+04		7.16%
46B	Dawson Highway	Biloela - Banana	1.366- 26.802	Rockhampton	1756	4.35%	9.7%	3.3%		2.5%	15.5%	3.2	873	4.82E+04		15.12%
46B	Dawson Highway	Biloela - Banana	26.802- 45.690	Rockhampton	1238	5.00%	10.6%	3.2%		3.1%	16.9%	3.2	670	4.82E+04		19.70%
46C	Dawson Highway	Banana- Rolleston	0.000- 7.750	Roma	1305	5.00%					17.4%	3.2	728	4.88E+03		1.84%
46C	Dawson Highway	Banana- Rolleston	7.750- 19.134	Roma	1660	5.00%					14.2%	3.2	755	4.88E+03		1.77%
46C	Dawson Highway	Banana- Rolleston	19/134- 41.000	Roma	373	5.00%					21.7%	3.2	260	4.88E+03		5.15%
46C	Dawson Highway	Banana- Rolleston	41.000- 45.051	Roma	373	5.00%					21.7%	3.2	260	4.88E+03		5.15%
46C	Dawson Highway	Banana- Rolleston	45.051- 73.941	Roma	268	5.00%					26.3%	3.2	226	4.88E+03		5.92%
46C	Dawson Highway	Banana- Rolleston	73.942- 92.411	Roma	249	5.00%					28.5%	3.2	228	4.88E+03		5.87%
46C	Dawson Highway	Banana- Rolleston	92.411-130.00	Roma	207	5.00%					29.8%	3.2	198	4.88E+03		6.76%
46C	Dawson Highway	Banana- Rolleston	130.00- 141.969	Roma	207	5.00%					29.8%	3.2	198	4.88E+03		6.76%
46C	Dawson Highway	Banana- Rolleston	141.969- 168.38	Roma	207	5.00%					29.8%	3.2	198	4.88E+03		6.76%
86A	Surat Development Road	Surat - Tara	119.3- 142.7	Warrick	257	0.0	11.3%	4.9%		3.7%	19.9%	3.05	78	3.80E+03		13.35%
86A	Surat Development Road	Surat - Tara	142.67-146.95	Warrick	639	0.62%	10.5%	3.2%		3.3%	16.9%	3.01	163	3.80E+03		6.39%
86A	Surat Development Road	Surat - Tara	146.95-147.51	Warrick	1674	2.50%	7.6%	2.5%		1.3%	11.4%	2.77	264	3.80E+03		3.94%
86A	Surat Development Road	Surat - Tara	147.51-147.86	Warrick	2176	0.0	7.1%	2.4%		1.6%	11.1%	2.86	345	3.80E+03		3.02%
86B	Surat Development Road	Tara - Dalby	0-0.05	Warrick	2118	0.0	5.6%	1.7%		1.5%	8.9%	2.92	274	3.80E+03		3.80%
86B	Surat Development Road	Tara - Dalby	0.05-0.6	Warrick	930	0.0	5.7%	4.1%		4.6%	14.5%	3.51	236	3.80E+03		4.41%

Road					Existing Traffic											
Number	Name	Section	Chainage	Region	AADT / T	5 YR Growth Rate	% trucks	% Articulated	% B Double Route Only	% Road Trains	% Commercial Vehicle	ESA's / Comm	ESA's /Day/ Direction	Total Generated ESA/s		% Annual ESAs
86B	Surat Development Road	Tara - Dalby	0.6-40.39	Warrick	618	3.90%	11.4%	4.7%		3.7%	19.7%	3.02	184	6.32E+03		9.41%
181	Gladston Mt Larcom Road		0.000-1.345	Rockhampton	8631	0.0	8.4%	2.4%		1.8%	12.6%	3.2	3469	3.34E+03		0.26%
181	Gladston Mt Larcom Road		1.345- 3.258	Rockhampton	6052	4.78%	11.1%	3.7%		2.4%	17.2%	3.2	3326	3.34E+03		0.28%
181	Gladston Mt Larcom Road		3.258 -4.625	Rockhampton	8931	5.00%	9.6%	4.6%		2.1%	16.3%	3.2	4659	3.34E+03		0.20%
181	Gladston Mt Larcom Road		4.625- 12.292	Rockhampton	6161	5.00%	6.0%	6.3%		3.7%	16.0%	3.2	3157	3.34E+03		0.29%
181	Gladston Mt Larcom Road		12.292- 31.141	Rockhampton	2934	5.00%	7.7%	6.0%		6.5%	20.1%	3.2	1890	2.32E+03		0.34%
340	Dalby Kogan Road		0.000- 19.292	Toowomba	510	5.00%	15.4%	4.8%		5.0%	25.1%	3.01	193	2.41E+03		3.43%
340	Dalby Kogan Road		19.292- 47.682	Toowomba	310	5.00%	8.7%	4.4%		7.5%	20.6%	3.6	115	5.24E+03		12.49%
341	Chinchilla - Tara Road		0.000- 22.510	Toowomba	719		10.7%	2.4%		1.0%	14.1%	2.58	131	3.67E+01		0.08%
341	Chinchilla - Tara Road		22.510- 43.490	Toowomba	351		11.8%	4.9%		0.5%	17.2%	2.52	76	2.62E+01		0.09%
342	Kogan Condamine Road		0.000- 45.820	Toowomba	130	5.00%	9.1%	8.7%		16.1%	33.9%	3.99	88	8.73E+03		27.17%
454	Eidsvold - Theodore Road		2.971- 77.400	Bundaberg	177	5.00%	11.7%	7.6%		1.9%	21.2%	2.82	53	1.92E+03		9.93%
454	Eidsvold - Theodore Road		77.400- 92.118	Rockhampton	79	5.00%	10.3%	12.9%		3.9%	27.0%	3.09	33	3.64E+03		30.24%
454	Eidsvold - Theodore Road		92.118- 141.789	Rockhampton	170	4.93%	12.6%	4.9%		3.1%	20.6%	2.91	51	1.72E+03		9.25%
454	Eidsvold - Theodore Road		141.789-143.960	Rockhampton	741	0.07%	7.7%	2.0%		0.9%	10.7%	2.66	105	1.72E+03		4.49%
3402	Tara - Kogan Road		34.800-43.030	Toowomba	155	0.0	9.3%	1.3%		0.2%	10.8%	2.39	20	2.10E+01		0.29%
4302	Jackson Wandoan Road		0.00- 68.930	Roma	66	5.00%	10.6%	5.8%		5.1%	21.5%	3.25	23	5.66E+03		67.40%
4302	Jackson Wandoan Road		68.930- 81.100	Roma	132	5.00%	12.0%	4.4%		4.1%	20.6%	3.1	42	5.63E+03		36.71%
4397	Roma - Taroom Road		84.15- 149.420	Roma	91	3.49%	14.7%	4.6%		4.5%	23.8%	3.05	33	6.95E+03		57.74%

Appendix J

POTENTIAL TRANSPORT ROUTES AND AADT MAPS



Legend:

- Export Pipeline & Kilometre Point
- Lateral Pipeline & Kilometre Point
- Upstream Infrastructure Corridor & Kilometre Point
- Export Pipeline Option 2

Source Note:

1:250,000 Topographic vector copyright Geoscience Australia
AADT information from Kellogg Brown & Root Pty Ltd

Projection UTM MGA Zone 56 Datum GDA 94

0 10 20 30 40 Kilometres

N

QUEENSLAND CURTIS LNG
A BG Group business

ERM
Environmental Resources Management Australia Pty Ltd

Project	Queensland Curtis LNG Project	Title	Proposed Transport Routes - Gladstone to Eidsvold
Client	QGC - A BG Group business		
Drawn	Mipela	Volume 4	Figure 13.1
Approved	xx	File No:	EO5-P-MA-961084
Date	05.03.09	Revision	A

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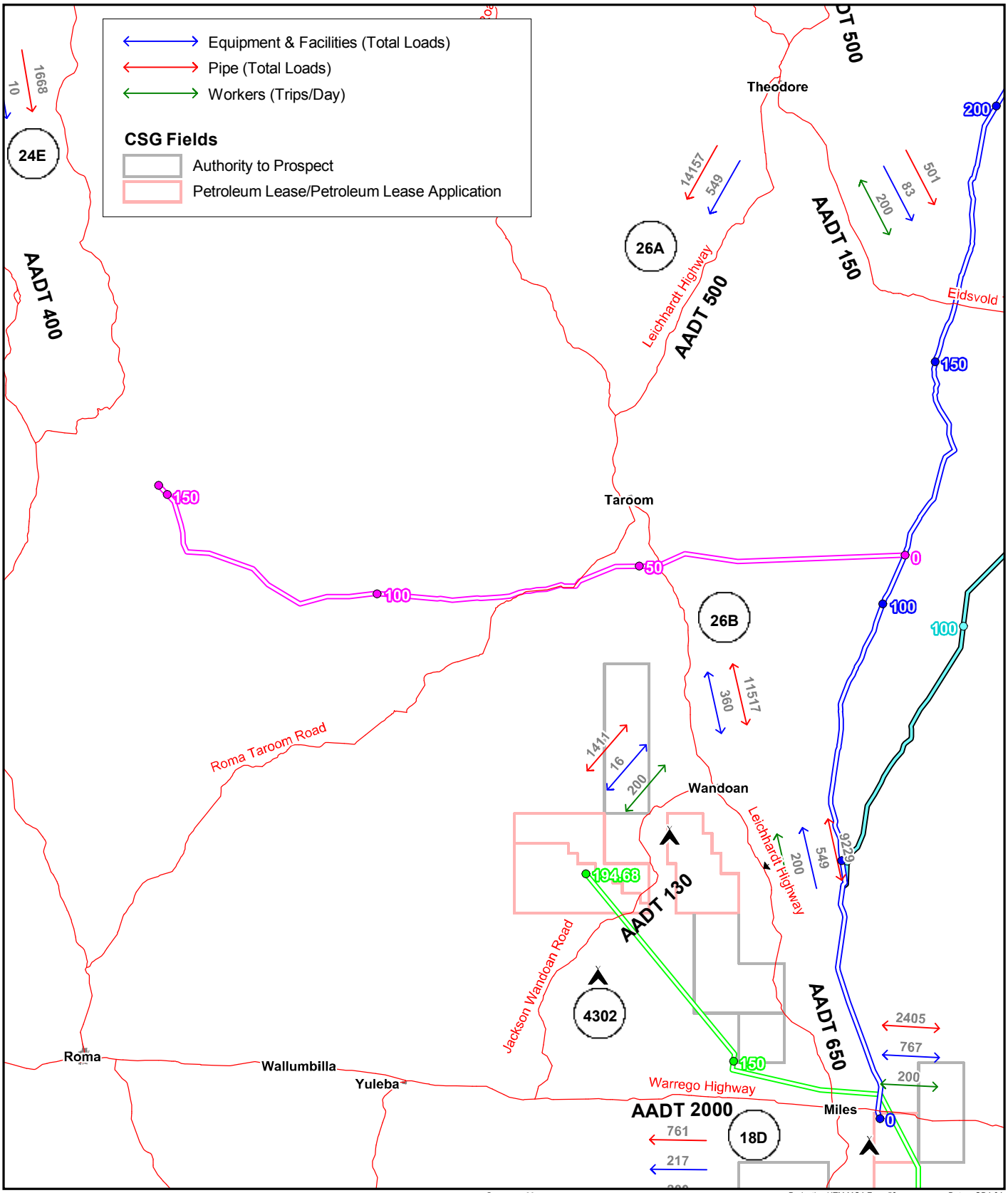

Legend:

- Export Pipeline & Kilometre Point
- Lateral Pipeline & Kilometre Point
- Upstream Infrastructure Corridor & Kilometre Point
- Export Pipeline Option 2
- Proposed Camp

Source Note:

1:250,000 Topographic vector copyright Geoscience Australia
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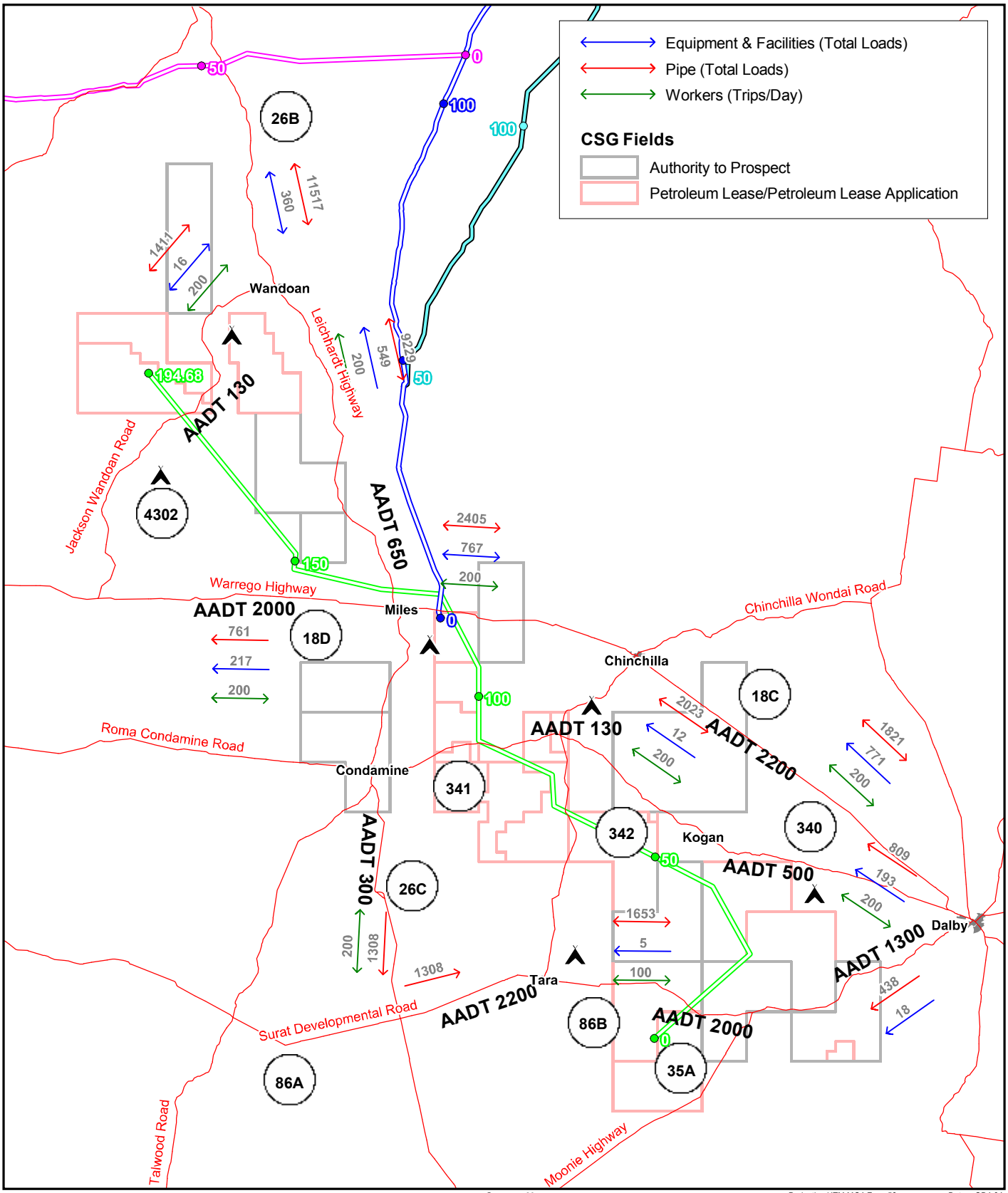
Projection UTM MGA Zone 56 Datum GDA 94

0 10 20 30 40 Kilometres

N

QUEENSLAND CURTIS LNG A BG Group business	Project Queensland Curtis LNG Project		Title **Proposed Transport Routes - Theodore to Miles**
	Client QGC - A BG Group business		
ERM Environmental Resources Management Australia Pty Ltd	Drawn Mipela	Volume 4 Figure 13.3	Disclaimer: Maps and Figures contained in this Report may be based on Third Party Data, may not be to scale and are intended as Guides only. ERM does not warrant the accuracy of any such Maps and Figures.
	Approved xx	File No: EO5-P-MA-961085	
	Date 05.03.09	Revision A	



Legend:

- Export Pipeline & Kilometre Point
- Lateral Pipeline & Kilometre Point
- Upstream Infrastructure Corridor & Kilometre Point
- Export Pipeline Option 2
- Proposed Camp

Source Note:

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Projection UTM MGA Zone 56 Datum GDA 94

0 10 20 30 40 Kilometres

N

QUEENSLAND CURTIS LNG
A BG Group business

ERM
Environmental Resources Management Australia Pty Ltd

Project	Queensland Curtis LNG Project	Title	Proposed Transport Routes - Eidsvold to Tara
Client	QGC - A BG Group business		
Drawn	Mipela	Volume 4	Figure 13.2
Approved	xx	File No:	EO5-P-MA-961086
Date	05.03.09	Revision	A

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