

Appendix 15.6

Fabian Way/Port Tennant Junction

LinSig Results

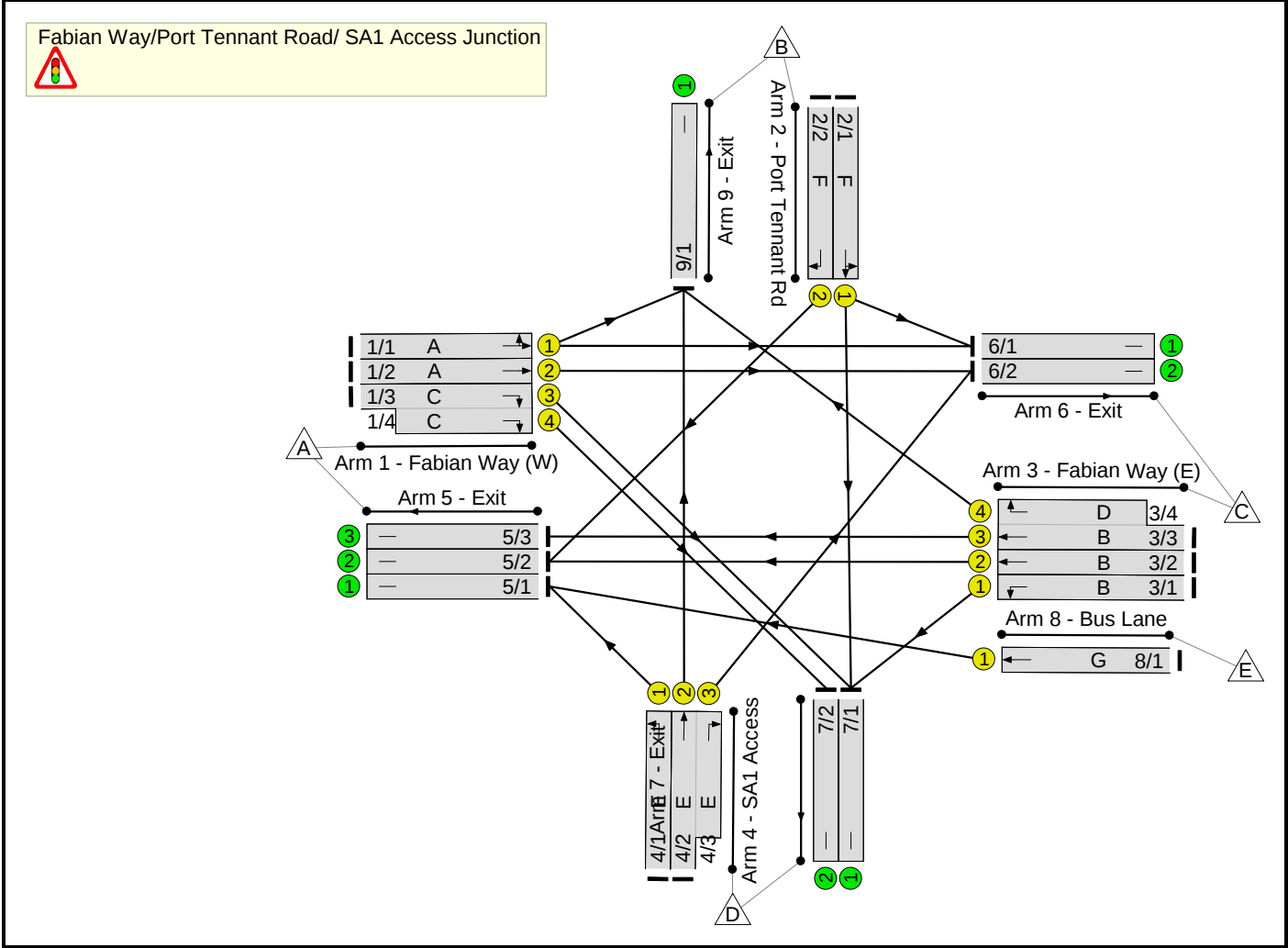
Basic Results Summary

Basic Results Summary

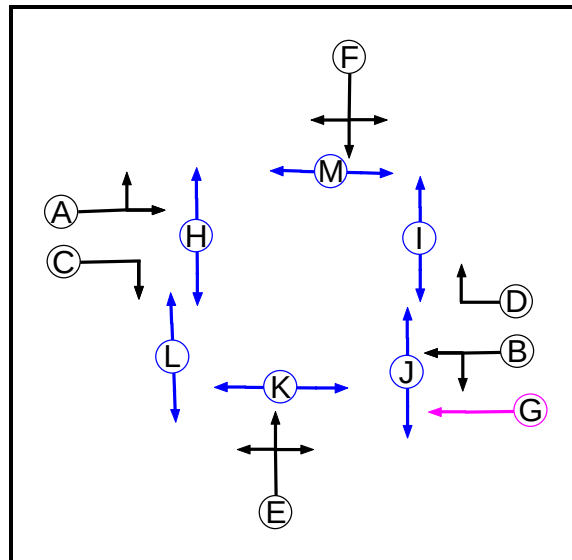
User and Project Details

Project:	Tidal Lagoon Swansea Bay
Title:	
Location:	Tawe Bridge Gyratory
File name:	Fabian Way_Port Tennant Road.lsg3x
Author:	
Company:	
Address:	
Notes:	

Network Layout Diagram



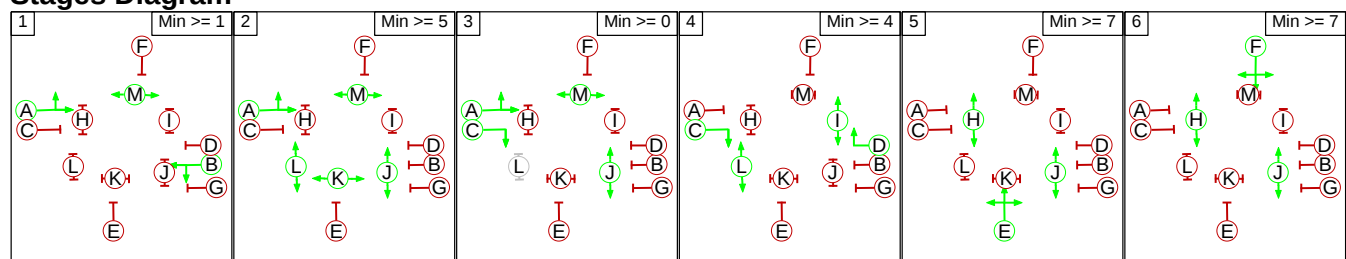
Phase Diagram



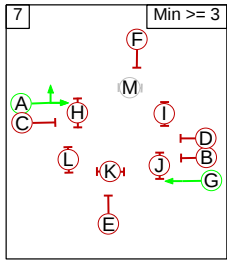
Phase Intergreens Matrix

	Starting Phase													
Terminating Phase		A	B	C	D	E	F	G	H	I	J	K	L	M
	A		-	-	5	5	7	-	5	10	-	-	-	-
	B	-		6	-	10	6	5	-	-	5	11	12	-
	C	-	5		-	5	5	7	5	-	-	12	-	-
	D	7	-	-		6	8	-	-	-	5	-	-	11
	E	9	5	8	6		11	5	-	12	-	5	9	11
	F	5	5	7	5	11		7	-	9	-	12	12	6
	G	-	5	5	-	8	8		-	-	5	11	12	-
	H	5	-	5	-	-	-	-		-	-	-	-	-
	I	5	-	-	-	5	5	-	-		-	-	-	-
	J	-	5	-	5	-	-	5	-	-		-	-	-
	K	-	5	5	-	5	5	5	-	-	-		-	-
	L	-	5	-	-	5	5	5	-	-	-	-		-
	M	-	-	-	5	5	5	-	-	-	-	-	-	

Stages Diagram



Basic Results Summary



Scenario 1: '2013 Baseline Saturday 12:00-13:00' (FG1: '2013 Baseline Saturday 12:00-13:00', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

		Destination					
Origin	A	A	B	C	D	E	Tot.
	A	0	116	1000	60	0	1176
	B	141	0	34	16	0	191
	C	1093	47	0	55	0	1195
	D	46	24	60	0	0	130
	E	32	0	0	0	0	32
	Tot.	1312	187	1094	131	0	2724

Basic Results Summary

Link Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network	-	-	-		-	-	-	-	-	-	82.4%	0	0	0	32.0	-	-
Fabian Way/Port Tennant Road/ SA1 Access Junction	-	-	-		-	-	-	-	-	-	82.4%	0	0	0	32.0	-	-
1/1	Fabian Way (W) Ahead Left	U	A		1	64	-	517	1886	1022	50.6%	-	-	-	3.0	20.9	11.3
1/2	Fabian Way (W) Ahead	U	A		1	64	-	599	2105	1140	52.5%	-	-	-	3.5	20.9	13.2
1/3+1/4	Fabian Way (W) Right	U	C		1	23	-	60	1949:1934	777	7.7%	-	-	-	0.7	41.6	0.9
2/1	Port Tennant Rd Left Ahead	U	F		1	10	-	50	1801	165	30.3%	-	-	-	0.9	66.5	1.8
2/2	Port Tennant Rd Right	U	F		1	10	-	141	1932	177	79.6%	-	-	-	3.9	98.8	6.4
3/1	Fabian Way (E) Left	U	B		1	38	-	55	1914	622	8.8%	-	-	-	0.5	31.4	1.3
3/2	Fabian Way (E) Ahead	U	B		1	38	-	555	2105	684	81.1%	-	-	-	7.8	50.6	19.0
3/3+3/4	Fabian Way (E) Ahead Right	U	B D		1	38:12	-	585	2105:1862	710	82.4%	-	-	-	8.4	51.7	19.2
4/1	SA1 Access Left	U	E		1	7	-	46	1814	121	38.0%	-	-	-	1.0	77.5	1.8
4/2+4/3	SA1 Access Right Ahead	U	E		1	7	-	84	2105:1914	179	47.0%	-	-	-	1.7	72.5	2.4
8/1	Bus Lane Ahead	U	G		1	7	-	32	1955	130	24.6%	-	-	-	0.6	71.4	1.2
C1				PRC for Signalled Lanes (%):		9.3	PRC Over All Lanes (%):		9.3	Total Delay for Signalled Lanes (pcuHr):		31.98	Total Delay Over All Lanes(pcuHr):		31.98	Cycle Time (s): 120	

Basic Results Summary

Scenario 2: '2018 Baseline Saturday 12:00-13:00' (FG2: '2018 Baseline Saturday 12:00-13:00', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

	Destination						
Origin		A	B	C	D	E	Tot.
	A	0	122	1052	63	0	1237
	B	148	0	36	17	0	201
	C	1152	49	0	58	0	1259
	D	48	25	63	0	0	136
	E	32	0	0	0	0	32
	Tot.	1380	196	1151	138	0	2865

Basic Results Summary

Link Results

Item	Lane Description	Lane Type	Full Phase	Arrow Phase	Num Greens	Total Green (s)	Arrow Green (s)	Demand Flow (pcu)	Sat Flow (pcu/Hr)	Capacity (pcu)	Deg Sat (%)	Turners In Gaps (pcu)	Turners When Unopposed (pcu)	Turners In Intergreen (pcu)	Total Delay (pcuHr)	Av. Delay Per PCU (s/pcu)	Mean Max Queue (pcu)
Network	-	-	-		-	-	-	-	-	-	86.6%	0	0	0	35.7	-	-
Fabian Way/Port Tennant Road/ SA1 Access Junction	-	-	-		-	-	-	-	-	-	86.6%	0	0	0	35.7	-	-
1/1	Fabian Way (W) Ahead Left	U	A		1	64	-	544	1886	1022	53.3%	-	-	-	3.2	21.5	12.2
1/2	Fabian Way (W) Ahead	U	A		1	64	-	630	2105	1140	55.3%	-	-	-	3.8	21.5	14.3
1/3+1/4	Fabian Way (W) Right	U	C		1	23	-	63	1949:1934	777	8.1%	-	-	-	0.7	41.6	0.9
2/1	Port Tennant Rd Left Ahead	U	F		1	10	-	53	1801	165	32.1%	-	-	-	1.0	67.0	1.9
2/2	Port Tennant Rd Right	U	F		1	10	-	148	1932	177	83.6%	-	-	-	4.4	107.3	7.1
3/1	Fabian Way (E) Left	U	B		1	38	-	58	1914	622	9.3%	-	-	-	0.5	31.4	1.4
3/2	Fabian Way (E) Ahead	U	B		1	38	-	586	2105	684	85.7%	-	-	-	9.0	55.2	21.1
3/3+3/4	Fabian Way (E) Ahead Right	U	B D		1	38:12	-	615	2105:1862	710	86.6%	-	-	-	9.6	56.3	21.4
4/1	SA1 Access Left	U	E		1	7	-	48	1814	121	39.7%	-	-	-	1.0	78.2	1.9
4/2+4/3	SA1 Access Right Ahead	U	E		1	7	-	88	2105:1914	178	49.4%	-	-	-	1.8	73.5	2.5
8/1	Bus Lane Ahead	U	G		1	7	-	32	1955	130	24.6%	-	-	-	0.6	71.4	1.2
C1				PRC for Signalled Lanes (%):		3.9	PRC Over All Lanes (%):		3.9	Total Delay for Signalled Lanes (pcuHr):		35.72	Total Delay Over All Lanes(pcuHr):		35.72	Cycle Time (s): 120	

Basic Results Summary

Scenario 3: '2018 Base+Event saturday 12:00-13:00' (FG3: '2018 Base+Event Saturday 12:00-13:00', Plan 1: 'Network Control Plan 1')

Traffic Flows, Desired

Desired Flow :

	Destination						
		A	B	C	D	E	Tot.
Origin	A	0	122	1241	63	0	1426
	B	148	0	36	17	0	201
	C	1282	49	0	58	0	1389
	D	48	25	63	0	0	136
	E	72	0	0	0	0	72
	Tot.	1550	196	1340	138	0	3224

Link Results