

Appendix 15.5

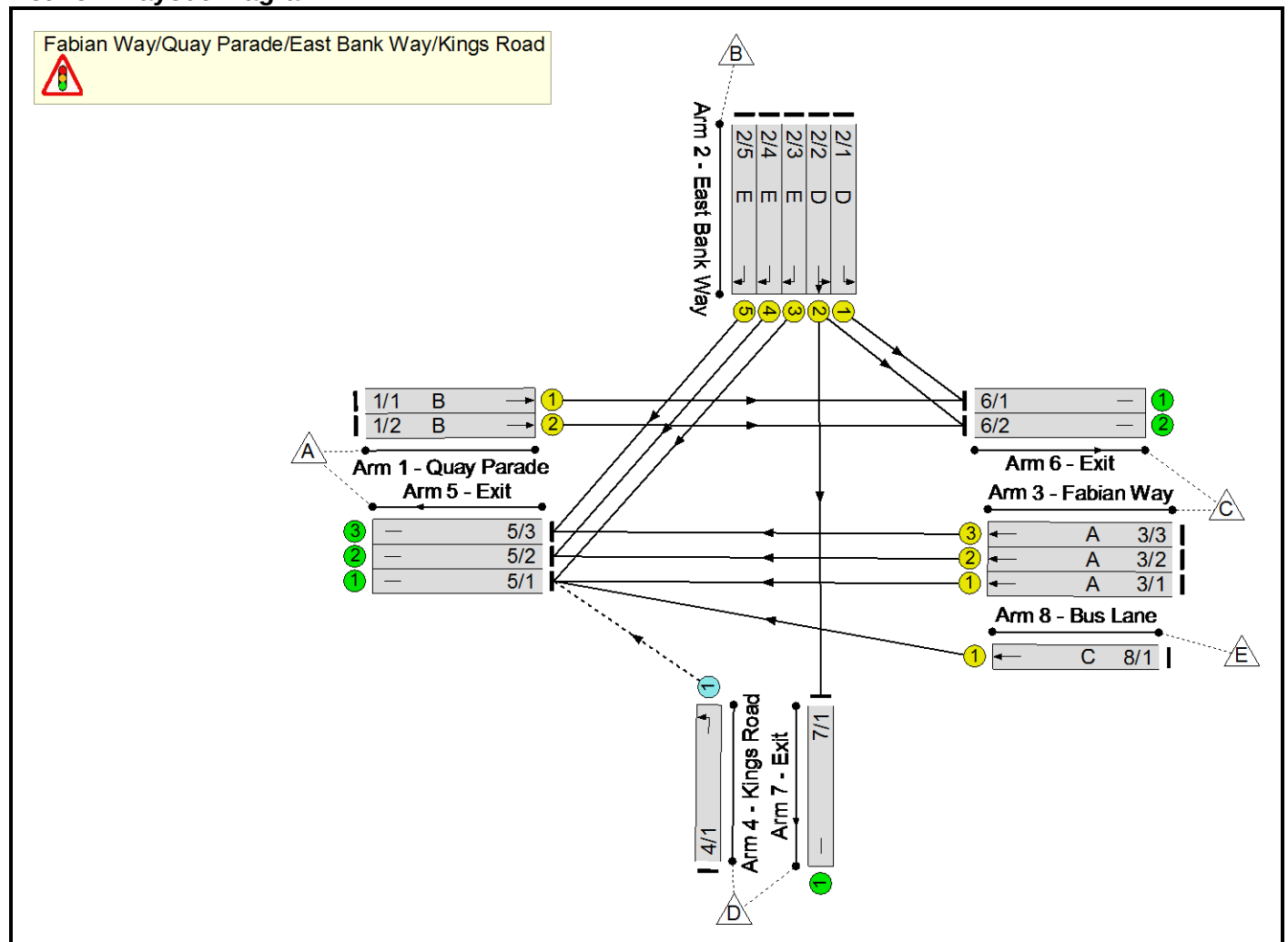
Fabian Way/Quay Parade/Kings Road Junction LinSig Results

Basic Results Summary
Basic Results Summary

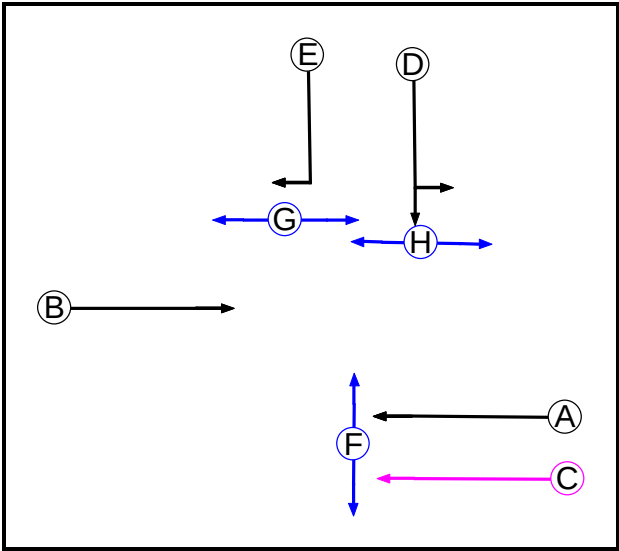
User and Project Details

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

Network Layout Diagram



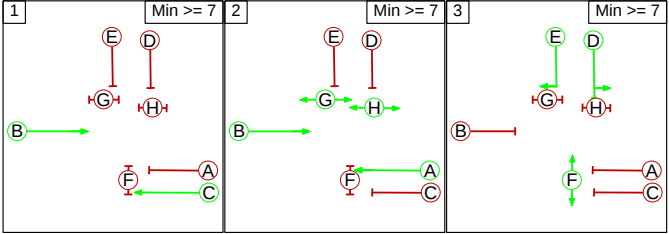
Phase Diagram



Phase Intergreens Matrix

Terminating Phase	Starting Phase								
		A	B	C	D	E	F	G	H
	A		-	6	6	8	9	-	-
	B	-		-	8	7	9	-	-
	C	6	-		6	9	9	-	-
	D	6	6	6		-	-	-	6
	E	6	6	6	-		-	6	-
	F	5	5	5	-	-		-	-
	G	-	-	5	5	5	-		-
	H	-	-	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 :

Origin	Destination						
		A	B	C	D	E	Tot.
	A	0	0	767	0	0	767
	B	1087	0	403	86	0	1576
	C	1276	0	0	0	0	1276
	D	123	0	0	0	0	123
	E	30	0	0	0	0	30
	Tot.	2516	0	1170	86	0	3772

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	-	-	-		-	-	-	-	-	-	53.3%	57	66	0	28.3	-	-
Fabian Way/Quay Parade/East Bank Way/Kings Road	-	-	-		-	-	-	-	-	-	53.3%	57	66	0	28.3	-	-
1/1	Quay Parade Ahead	U	B		1	52	-	363	1955	996	36.4%	-	-	-	1.8	18.2	6.5
1/2	Quay Parade Ahead	U	B		1	52	-	404	2095	1068	37.8%	-	-	-	2.0	18.2	7.4
2/1	East Bank Way Left	U	D		1	38	-	236	1786	670	35.2%	-	-	-	1.8	27.6	5.1
2/2	East Bank Way Left Ahead	U	D		1	38	-	253	1863	699	36.2%	-	-	-	1.9	27.5	5.6
2/3	East Bank Way Right	U	E		1	38	-	355	1828	686	51.8%	-	-	-	3.0	30.6	8.4
2/4	East Bank Way Right	U	E		1	38	-	388	1943	729	53.3%	-	-	-	3.3	30.7	9.3
2/5	East Bank Way Right	U	E		1	38	-	344	1786	670	51.4%	-	-	-	2.9	30.7	8.2
3/1	Fabian Way Ahead	U	A		1	39	-	425	2085	802	53.0%	-	-	-	3.5	29.5	10.0
3/2	Fabian Way Ahead	U	A		1	39	-	425	2085	802	53.0%	-	-	-	3.5	29.5	10.0
3/3	Fabian Way Ahead	U	A		1	39	-	426	2085	802	53.1%	-	-	-	3.5	29.5	10.0
4/1	Kings Road Left	O	-		-	-	-	123	1957	535	23.0%	57	66	0	0.5	14.0	1.6
8/1	Bus Lane Ahead	U	C		1	7	-	30	1955	150	19.9%	-	-	-	0.5	60.0	0.9
C1							PRC for Signalled Lanes (%): PRC Over All Lanes (%):	69.0 69.0	Total Delay for Signalled Lanes (pcuHr): Total Delay Over All Lanes(pcuHr):			27.84 28.31	Cycle Time (s): 104				

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	0	807	0	0	807
	B	1144	0	424	90	0	1658
	C	1345	0	0	0	0	1345
	D	129	0	0	0	0	129
	E	30	0	0	0	0	30
	Tot.	2648	0	1231	90	0	3969

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	-	-	-		-	-	-	-	-	-	56.0%	39	90	0	30.5	-	-
Fabian Way/Quay Parade/East Bank Way/Kings Road	-	-	-		-	-	-	-	-	-	56.0%	39	90	0	30.5	-	-
1/1	Quay Parade Ahead	U	B		1	52	-	382	1955	996	38.3%	-	-	-	2.0	18.5	7.0
1/2	Quay Parade Ahead	U	B		1	52	-	425	2095	1068	39.8%	-	-	-	2.2	18.5	7.8
2/1	East Bank Way Left	U	D		1	38	-	248	1786	670	37.0%	-	-	-	1.9	27.9	5.5
2/2	East Bank Way Left Ahead	U	D		1	38	-	266	1862	698	38.1%	-	-	-	2.1	27.9	5.8
2/3	East Bank Way Right	U	E		1	38	-	375	1828	686	54.7%	-	-	-	3.3	31.3	9.0
2/4	East Bank Way Right	U	E		1	38	-	406	1943	729	55.7%	-	-	-	3.5	31.2	9.9
2/5	East Bank Way Right	U	E		1	38	-	363	1786	670	54.2%	-	-	-	3.2	31.3	8.8
3/1	Fabian Way Ahead	U	A		1	39	-	448	2085	802	55.9%	-	-	-	3.8	30.2	10.7
3/2	Fabian Way Ahead	U	A		1	39	-	448	2085	802	55.9%	-	-	-	3.8	30.2	10.7
3/3	Fabian Way Ahead	U	A		1	39	-	449	2085	802	56.0%	-	-	-	3.8	30.2	10.7
4/1	Kings Road Left	O	-		-	-	-	129	1957	509	25.3%	39	90	0	0.6	17.1	1.7
8/1	Bus Lane Ahead	U	C		1	7	-	30	1955	150	19.9%	-	-	-	0.5	60.0	0.9
C1				PRC for Signalled Lanes (%):			60.7	Total Delay for Signalled Lanes (pcuHr):				29.84	Cycle Time (s): 104				
				PRC Over All Lanes (%):			60.7	Total Delay Over All Lanes(pcuHr):				30.45					

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	0	920	0	0	920
	B	1144	0	500	90	0	1734
	C	1475	0	0	0	0	1475
	D	129	0	0	0	0	129
	E	70	0	0	0	0	70
	Tot.	2818	0	1420	90	0	4328

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	-	-	-		-	-	-	-	-	-	58.7%	35	94	0	34.3	-	-
Fabian Way/Quay Parade/East Bank Way/Kings Road	-	-	-		-	-	-	-	-	-	58.7%	35	94	0	34.3	-	-
1/1	Quay Parade Ahead	U	B		1	54	-	436	1955	1034	42.2%	-	-	-	2.2	17.9	8.0
1/2	Quay Parade Ahead	U	B		1	54	-	484	2095	1108	43.7%	-	-	-	2.4	17.9	8.9
2/1	East Bank Way Left	U	D		1	36	-	287	1786	635	45.2%	-	-	-	2.5	30.9	6.7
2/2	East Bank Way Left Ahead	U	D		1	36	-	303	1856	660	45.9%	-	-	-	2.6	30.8	7.2
2/3	East Bank Way Right	U	E		1	36	-	375	1828	650	57.7%	-	-	-	3.5	33.7	9.4
2/4	East Bank Way Right	U	E		1	36	-	406	1943	691	58.7%	-	-	-	3.8	33.6	10.2
2/5	East Bank Way Right	U	E		1	36	-	363	1786	635	57.1%	-	-	-	3.4	33.7	9.1
3/1	Fabian Way Ahead	U	A		1	41	-	492	2085	842	58.4%	-	-	-	4.0	29.3	11.8
3/2	Fabian Way Ahead	U	A		1	41	-	492	2085	842	58.4%	-	-	-	4.0	29.3	11.8
3/3	Fabian Way Ahead	U	A		1	41	-	491	2085	842	58.3%	-	-	-	4.0	29.3	11.7
4/1	Kings Road Left	O	-		-	-	-	129	1957	506	25.5%	35	94	0	0.6	17.9	1.7
8/1	Bus Lane Ahead	U	C		1	7	-	70	1955	150	46.5%	-	-	-	1.3	68.1	2.4
C1				PRC for Signalled Lanes (%):			53.2	Total Delay for Signalled Lanes (pcuHr):				33.64	Cycle Time (s): 104				
				PRC Over All Lanes (%):			53.2	Total Delay Over All Lanes(pcuHr):				34.28					