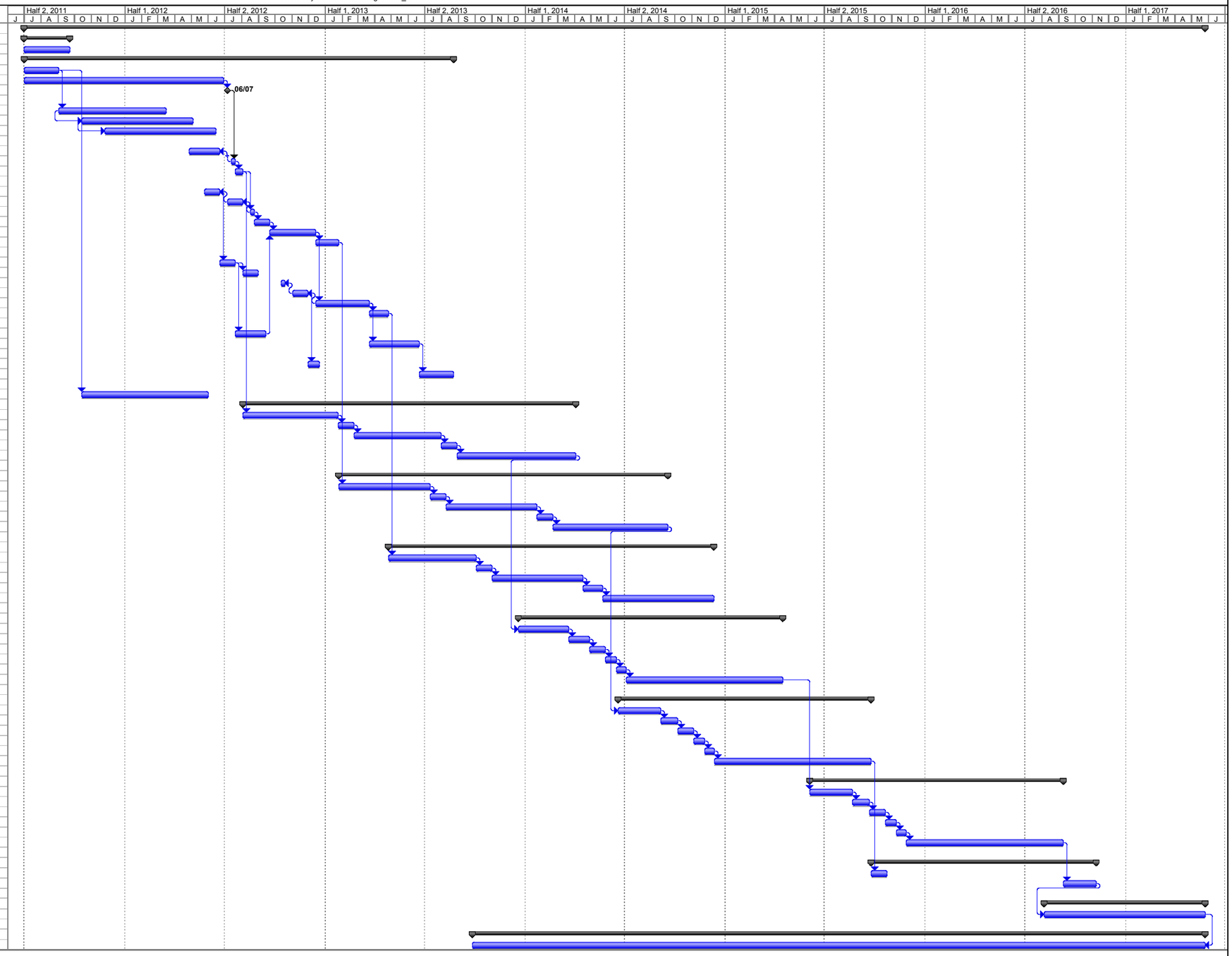
Forth Replacement Crossing
Preliminary Construction Programme_ Double Level Deck

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Three Corridor Option - Double Level Deck**	**1454.75 days**	**Fri 01/07/11**	**Fri 26/05/17**	
2	**Mobilisation and Site Clearance**	**60 days**	**Fri 01/07/11**	**Thu 22/09/11**	
3	Mobilisation and Site Clearance	60 days	Fri 01/07/11	Thu 22/09/11	
4	**Foundations**	**530 days**	**Fri 01/07/11**	**Fri 23/08/13**	
5	Dry Dock Mobilisation	45 days	Fri 01/07/11	Fri 02/09/11	
6	Dry dock for CT, NT and ST	245 days	Fri 01/07/11	Fri 29/06/12	
7	Dry dock open	0 days	Fri 06/07/12	Fri 06/07/12	6FS+5 days
8					
9	Cast NT	130 days	Fri 02/09/11	Fri 16/03/12	5
10	Cast ST	130 days	Fri 14/10/11	Fri 04/05/12	9SS+30 days
11	Cast CT	130 days	Fri 25/11/11	Fri 15/06/12	10SS+30 days
12					
13	Excavation works CT	40 days	Fri 27/04/12	Fri 22/06/12	14SF-15 days
14	Float CT caission	5 days	Fri 13/07/12	Fri 20/07/12	7FS+5 days
15	Position and Grout CT caisson	10 days	Fri 20/07/12	Fri 03/08/12	14
16					
17	Early piling ST, pile plant	20 days	Fri 25/05/12	Fri 22/06/12	18SF-10 days
18	Early piling ST concrete plant	20 days	Fri 06/07/12	Fri 03/08/12	19SF-10 days
19	Float ST caisson	5 days	Fri 17/08/12	Fri 24/08/12	15FS+10 days
20	Locate and Grout ST caisson	20 days	Fri 24/08/12	Fri 21/09/12	19
21	Final 14 piles ST, pile plant	60 days	Fri 21/09/12	Fri 14/12/12	20,31
22	Final 14 piles ST, concrete plant	20 days	Fri 14/12/12	Fri 25/01/13	21
23					
24	Early piling NT, pile plant	20 days	Fri 22/06/12	Fri 20/07/12	17
25	Early piling NT, concrete plant	20 days	Fri 03/08/12	Fri 31/08/12	24FS+10 days
26	Float NT caisson	5 days	Fri 12/10/12	Fri 19/10/12	27SF-10 days
27	Locate and Grout NT caisson	20 days	Fri 02/11/12	Fri 30/11/12	28SF-10 days
28	Final 14 piles NT, pile plant	60 days	Fri 14/12/12	Fri 22/03/13	21
29	Final 14 piles NT, concrete plant	20 days	Fri 22/03/13	Fri 26/04/13	28
30					
31	Piling to approach spans 1	40 days	Fri 20/07/12	Fri 14/09/12	24
32	Piling to approach spans 2	60 days	Fri 22/03/13	Fri 21/06/13	28
33					
34	Float out and grout N1	15 days	Fri 30/11/12	Fri 21/12/12	27
35	Float out and grout S1-4	45 days	Fri 21/06/13	Fri 23/08/13	32
36					
37	Construction of S5-6 - offline	150 days	Fri 14/10/11	Fri 01/06/12	5FS+30 days
38	**Central Tower**	**409 days**	**Fri 03/08/12**	**Thu 03/04/14**	
39	Concrete tower legs to deck level +5m to 73m	114 days	Fri 03/08/12	Thu 24/01/13	15
40	Construct tower diaphragms at deck level	21 days	Thu 24/01/13	Fri 22/02/13	39
41	Concrete tower legs to start of stay anchorage section 73m	108 days	Fri 22/02/13	Wed 31/07/13	40
42	Modify climbing forms for tower head	21 days	Wed 31/07/13	Thu 29/08/13	41
43	'Concrete tower head including stay anchor boxes and cross	145 days	Thu 29/08/13	Thu 03/04/14	42
44					
45	**South Flanking Tower**	**409 days**	**Fri 25/01/13**	**Thu 18/09/14**	
46	Concrete tower legs to deck level +5m to +55.3m	114 days	Fri 25/01/13	Thu 11/07/13	22
47	Construct tower diaphragms at deck level	21 days	Thu 11/07/13	Fri 09/08/13	46
48	Concrete tower legs to start of stay anchorage section 66m	108 days	Fri 09/08/13	Wed 22/01/14	47
49	Modify climbing forms for tower head	21 days	Wed 22/01/14	Thu 20/02/14	48
50	Concrete tower head including stay anchor boxes and cross	145 days	Thu 20/02/14	Thu 18/09/14	49
51					
52	**North Flanking Tower**	**409 days**	**Fri 26/04/13**	**Thu 11/12/14**	
53	Concrete tower legs to deck level 5m to 66m	114 days	Fri 26/04/13	Thu 03/10/13	29
54	Construct tower diaphragms at deck level	21 days	Thu 03/10/13	Fri 01/11/13	53
55	Concrete tower legs to start of stay anchorage section 66m	108 days	Fri 01/11/13	Wed 16/04/14	54
56	Modify climbing forms for tower head	21 days	Wed 16/04/14	Thu 22/05/14	55
57	Concrete tower head including stay anchor boxes and cross	145 days	Thu 22/05/14	Thu 11/12/14	56
58					
59	**Main Span - Central Tower Fan**	**315 days**	**Thu 19/12/13**	**Thu 16/04/15**	
60	Erect deck unit at central tower	56 days	Thu 19/12/13	Fri 21/03/14	43FS-65 days
61	Erect north cantilever deck lifting gantry	21 days	Fri 21/03/14	Mon 28/04/14	60
62	Erect Deck Segment CN1	21 days	Mon 28/04/14	Tue 27/05/14	61
63	Erect south cantilever deck lifting gantry	14 days	Tue 27/05/14	Mon 16/06/14	62
64	Erect Deck Segment CS1	14 days	Mon 16/06/14	Fri 04/07/14	63
65	Erect Deck Segments	189 days	Fri 04/07/14	Thu 16/04/15	64
66					
67	**Main Span - South Tower Fan**	**315 days**	**Thu 19/06/14**	**Thu 24/09/15**	
68	Erect deck unit at central tower	56 days	Thu 19/06/14	Fri 05/09/14	50FS-65 days
69	Erect north cantilever deck lifting gantry	21 days	Fri 05/09/14	Mon 06/10/14	68
70	Erect Deck Segment SN1	21 days	Mon 06/10/14	Tue 04/11/14	69
71	Erect south cantilever deck lifting gantry	14 days	Tue 04/11/14	Mon 24/11/14	70
72	Erect Deck Segment SS1	14 days	Mon 24/11/14	Fri 12/12/14	71
73	Erect Deck Segments	189 days	Fri 12/12/14	Thu 24/09/15	72
74					
75	**Main Span - North Tower Fan**	**315 days**	**Thu 04/06/15**	**Fri 09/09/16**	
76	Erect deck unit at central tower	56 days	Thu 04/06/15	Fri 21/08/15	65FS+35 days
77	Erect north cantilever deck lifting gantry	21 days	Fri 21/08/15	Mon 21/09/15	76
78	Erect Deck Segment NN1	21 days	Mon 21/09/15	Tue 20/10/15	77
79	Erect south cantilever deck lifting gantry	14 days	Tue 20/10/15	Mon 09/11/15	78
80	Erect Deck Segment NS1	14 days	Mon 09/11/15	Fri 27/11/15	79
81	Erect Deck Segments	189 days	Fri 27/11/15	Fri 09/09/16	80
82					
83	**Main Span Closure**	**277 days**	**Thu 24/09/15**	**Tue 08/11/16**	
84	Central to South Fan	21 days	Thu 24/09/15	Fri 23/10/15	73
85	Central to North Fan	42 days	Fri 09/09/16	Tue 08/11/16	81
86					
87	**Finishes**	**200 days**	**Fri 05/08/16**	**Fri 26/05/17**	
88	Finishes	200 days	Fri 05/08/16	Fri 26/05/17	85FS-67 days
89					
90	**Piers and Approach Viaducts**	**900 days**	**Thu 26/09/13**	**Fri 26/05/17**	
91	Piers and Approach Viaducts	900 days	Thu 26/09/13	Fri 26/05/17	88FF



Project: MSProj11
Date: Wed 23/07/08

Task | Split | Progress | Milestone | Summary | Project Summary | External Tasks | External Milestone | Deadline