

## Time vs Settlements

(Let the old embankment consolidate for 50 years then remove it, add New Embankment as one infinite strip loading at 50 yrs)

Gullwing River Bridge

(N-Abutment, S1, BH03-6)		(N-Abutment, S2, BH03-3)		(N-Abutment, S3, BH03-4)		(S-Abutment, S4, BH03-5)		(S-Abutment, S5, BH03-2)		(S-Abutment, S6, BH03-1)	
yr	m	yr	m	yr	m	yr	m	yr	m	yr	m
50	0.05	50	0.53	50	0.66	50	0.19	50	0.53	50.01	0.55
50.01	0.03	50.01	0.51	50.01	0.64	50.01	0.19	50.01	0.52	50.02	0.54
50.05	0.16	50.1	0.58	50.1	0.69	50.1	0.24	50.05	0.54	50.1	0.56
50.08	0.16	50.2	0.6	50.2	0.7	50.2	0.26	50.1	0.55	50.5	0.58
50.1	0.17	50.5	0.62	50.5	0.71	50.5	0.29	50.2	0.56	51	0.59
50.5	0.21	51	0.65	51	0.73	51	0.33	51	0.59	55	0.63
51	0.23	55	0.75	52	0.74	55	0.51	55	0.65	60	0.66
52	0.25	60	0.78	60	0.81	60	0.6	80	0.81	80	0.74
60	0.26	70	0.79	80	0.88	80	0.67	100	0.86	120	0.82
80	0.26	80	0.79	100	0.89	100	0.67	170	0.92	180	0.86
100	0.26	100	0.79	120	0.89	120	0.67	200	0.92	200	0.86
Settlement from now											
yr	m	yr	m	yr	m	yr	m	yr	m	yr	m
0	0	0	0	0	0	0	0	0	0	0	0
0.04	0.13	0.09	0.07	0.09	0.05	0.09	0.05	0.04	0.02	0.08	0.02
0.07	0.13	0.19	0.09	0.19	0.06	0.19	0.07	0.09	0.03	0.48	0.04
0.09	0.14	0.49	0.11	0.49	0.07	0.49	0.1	0.19	0.04	0.98	0.05
0.49	0.18	0.99	0.14	0.99	0.09	0.99	0.14	0.99	0.07	4.98	0.09
0.99	0.2	4.99	0.24	1.99	0.1	4.99	0.32	4.99	0.13	9.98	0.12
1.99	0.22	9.99	0.27	9.99	0.17	9.99	0.41	29.99	0.29	29.98	0.2
9.99	0.23	19.99	0.28	29.99	0.24	29.99	0.48	49.99	0.34	69.98	0.28
29.99	0.23	29.99	0.28	49.99	0.25	49.99	0.48	119.99	0.4	129.98	0.32
49.99	0.23	49.99	0.28	69.99	0.25	69.99	0.48	149.99	0.4	149.98	0.32