

Appendix 4.1.3-B3

New River Bridge Closures – Addendum to Navigation Discipline Report

New River Bridge Closures

Day of week	Time bucket	Full Build			No Build		
		Total closure	Longest closure	No. of Closures	Total closure	Longest closure	No. of Closures
Monday	0:00 - 0:59	0:16:29	0:12:47	2	0:12:13	0:12:13	0.5
Monday	1:00 - 1:59	0:13:09	0:13:09	1	0:06:30	0:06:30	0.5
Monday	2:00 - 2:59	0:00:00	0:00:00	0	0:17:35	0:17:35	0.5
Monday	3:00 - 3:59	0:00:00	0:00:00	0	0:15:39	0:15:39	0.5
Monday	4:00 - 4:59	0:09:05	0:09:05	0.5	0:00:00	0:00:00	0
Monday	5:00 - 5:59	0:14:44	0:14:44	0.5	0:00:00	0:00:00	0
Monday	6:00 - 6:59	0:19:18	0:10:24	1.5	0:19:15	0:19:15	1
Monday	7:00 - 7:59	0:14:51	0:10:37	1.5	0:17:43	0:17:43	1
Monday	8:00 - 8:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Monday	9:00 - 9:59	0:10:37	0:10:37	1	0:35:16	0:19:21	2
Monday	10:00 - 10:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Monday	11:00 - 11:59	0:27:21	0:12:04	2.5	0:19:24	0:19:24	1
Monday	12:00 - 12:59	0:20:42	0:10:36	2	0:19:17	0:19:17	1
Monday	13:00 - 13:59	0:22:07	0:11:30	1.5	0:00:00	0:00:00	0
Monday	14:00 - 14:59	0:23:38	0:13:02	2	0:13:51	0:13:51	0.5
Monday	15:00 - 15:59	0:13:23	0:10:37	1.5	0:05:33	0:05:33	0.5
Monday	16:00 - 16:59	0:36:26	0:28:03	1.5	0:19:06	0:19:06	1
Monday	17:00 - 17:59	0:11:47	0:11:47	1	0:19:43	0:19:43	1
Monday	18:00 - 18:59	0:29:42	0:23:29	1.5	0:32:10	0:19:12	1.5
Monday	19:00 - 19:59	0:20:48	0:10:55	1.5	0:06:17	0:06:17	0.5
Monday	20:00 - 20:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Monday	21:00 - 21:59	0:29:05	0:17:50	2	0:19:00	0:19:00	1
Monday	22:00 - 22:59	0:31:19	0:20:52	2	0:23:34	0:18:59	1.5
Monday	23:00 - 23:59	0:17:33	0:13:25	1.5	0:33:56	0:19:15	1.5
Tuesday	0:00 - 0:59	0:12:47	0:12:47	1	0:18:43	0:18:43	1
Tuesday	1:00 - 1:59	0:13:04	0:13:04	1	0:00:00	0:00:00	0
Tuesday	2:00 - 2:59	0:00:00	0:00:00	0	0:14:48	0:14:48	0.5
Tuesday	3:00 - 3:59	0:03:41	0:03:41	0.5	0:32:03	0:32:03	0.5
Tuesday	4:00 - 4:59	0:21:58	0:12:33	1.5	0:19:19	0:19:19	1
Tuesday	5:00 - 5:59	0:13:04	0:13:04	1	0:00:00	0:00:00	0
Tuesday	6:00 - 6:59	0:23:32	0:13:08	2	0:19:15	0:19:15	1
Tuesday	7:00 - 7:59	0:10:37	0:10:37	1	0:19:21	0:19:21	1
Tuesday	8:00 - 8:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Tuesday	9:00 - 9:59	0:10:37	0:10:37	1	0:15:55	0:15:55	1
Tuesday	10:00 - 10:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Tuesday	11:00 - 11:59	0:43:21	0:20:40	3	0:26:48	0:15:47	1.5
Tuesday	12:00 - 12:59	0:15:21	0:10:36	1.5	0:33:05	0:19:16	2.5
Tuesday	13:00 - 13:59	0:10:37	0:10:37	1	0:13:06	0:13:06	0.5
Tuesday	14:00 - 14:59	0:24:17	0:13:12	2	0:09:47	0:07:06	1
Tuesday	15:00 - 15:59	0:21:46	0:11:09	2	0:12:18	0:12:18	0.5
Tuesday	16:00 - 16:59	0:28:37	0:28:37	1	0:19:06	0:19:06	1
Tuesday	17:00 - 17:59	0:11:26	0:11:26	1	0:19:43	0:19:43	1
Tuesday	18:00 - 18:59	0:37:22	0:37:22	1	0:20:14	0:19:16	1.5
Tuesday	19:00 - 19:59	0:11:19	0:10:53	1.5	0:18:16	0:18:16	0.5
Tuesday	20:00 - 20:59	0:12:53	0:12:53	1	0:00:00	0:00:00	0
Tuesday	21:00 - 21:59	0:27:01	0:23:44	1.5	0:10:45	0:10:45	0.5
Tuesday	22:00 - 22:59	0:40:35	0:17:50	2.5	0:20:29	0:20:29	0.5
Tuesday	23:00 - 23:59	0:13:25	0:13:25	1	0:27:29	0:27:29	1
Wednesday	0:00 - 0:59	0:12:47	0:12:47	1	0:18:43	0:18:43	1
Wednesday	1:00 - 1:59	0:13:09	0:13:09	1	0:00:00	0:00:00	0
Wednesday	2:00 - 2:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Wednesday	3:00 - 3:59	0:00:00	0:00:00	0	0:31:12	0:19:07	1.5
Wednesday	4:00 - 4:59	0:25:39	0:13:06	2	0:30:07	0:19:23	1.5
Wednesday	5:00 - 5:59	0:13:08	0:13:08	1	0:19:21	0:19:21	1
Wednesday	6:00 - 6:59	0:10:24	0:10:24	1	0:00:00	0:00:00	0
Wednesday	7:00 - 7:59	0:28:15	0:28:15	1	0:12:40	0:12:40	0.5
Wednesday	8:00 - 8:59	0:10:36	0:10:36	1	0:06:37	0:06:37	0.5
Wednesday	9:00 - 9:59	0:10:37	0:10:37	1	0:15:55	0:15:55	1
Wednesday	10:00 - 10:59	0:13:42	0:13:42	1	0:00:00	0:00:00	0

New River Bridge Closures

Day of week	Time bucket	Full Build			No Build		
		Total closure	Longest closure	No. of Closures	Total closure	Longest closure	No. of Closures
Wednesday	11:00 - 11:59	0:27:44	0:12:04	2.5	0:18:20	0:15:47	1.5
Wednesday	12:00 - 12:59	0:20:19	0:10:36	2	0:36:16	0:19:24	1.5
Wednesday	13:00 - 13:59	0:22:07	0:11:30	1.5	0:15:54	0:15:54	1
Wednesday	14:00 - 14:59	0:21:44	0:11:08	1.5	0:19:24	0:19:24	1
Wednesday	15:00 - 15:59	0:27:20	0:14:04	3	0:00:00	0:00:00	0
Wednesday	16:00 - 16:59	0:29:12	0:16:15	1.5	0:19:06	0:19:06	1
Wednesday	17:00 - 17:59	0:23:59	0:13:22	2	0:19:43	0:19:43	1
Wednesday	18:00 - 18:59	0:30:45	0:17:47	2	0:22:09	0:22:09	1
Wednesday	19:00 - 19:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Wednesday	20:00 - 20:59	0:22:07	0:22:07	1	0:00:00	0:00:00	0
Wednesday	21:00 - 21:59	0:23:41	0:13:04	2	0:18:59	0:18:59	1
Wednesday	22:00 - 22:59	0:34:28	0:21:28	2	0:19:00	0:19:00	1
Wednesday	23:00 - 23:59	0:13:25	0:13:25	1	0:34:48	0:19:22	1.5
Thursday	0:00 - 0:59	0:12:47	0:12:47	1	0:18:43	0:18:43	1
Thursday	1:00 - 1:59	0:13:10	0:13:10	1	0:00:00	0:00:00	0
Thursday	2:00 - 2:59	0:00:00	0:00:00	0	0:13:34	0:13:34	0.5
Thursday	3:00 - 3:59	0:00:00	0:00:00	0	0:21:15	0:15:36	1
Thursday	4:00 - 4:59	0:13:39	0:13:06	1.5	0:29:00	0:25:14	1.5
Thursday	5:00 - 5:59	0:25:05	0:13:05	1.5	0:12:37	0:12:37	0.5
Thursday	6:00 - 6:59	0:21:09	0:10:45	1.5	0:06:45	0:06:45	0.5
Thursday	7:00 - 7:59	0:13:00	0:10:37	1.5	0:00:00	0:00:00	0
Thursday	8:00 - 8:59	0:10:36	0:10:36	1	0:19:18	0:19:18	1
Thursday	9:00 - 9:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Thursday	10:00 - 10:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Thursday	11:00 - 11:59	0:10:37	0:10:37	1	0:19:24	0:19:24	1
Thursday	12:00 - 12:59	0:22:31	0:20:53	1.5	0:15:46	0:15:46	1
Thursday	13:00 - 13:59	0:22:07	0:11:30	1.5	0:19:11	0:19:11	1
Thursday	14:00 - 14:59	0:23:44	0:13:08	2	0:15:47	0:15:47	1
Thursday	15:00 - 15:59	0:10:37	0:10:37	1	0:19:24	0:19:24	1
Thursday	16:00 - 16:59	0:27:14	0:16:38	2	0:19:06	0:19:06	1
Thursday	17:00 - 17:59	0:30:37	0:30:37	1	0:19:43	0:19:43	1
Thursday	18:00 - 18:59	0:33:09	0:22:33	2	0:12:33	0:12:33	0.5
Thursday	19:00 - 19:59	0:11:26	0:11:26	1	0:20:40	0:13:57	1
Thursday	20:00 - 20:59	0:18:33	0:10:24	1.5	0:05:22	0:05:22	0.5
Thursday	21:00 - 21:59	0:26:11	0:12:57	2.5	0:18:59	0:18:59	1
Thursday	22:00 - 22:59	0:31:13	0:18:59	1.5	0:22:08	0:22:08	1
Thursday	23:00 - 23:59	0:14:12	0:13:25	1.5	0:19:15	0:19:15	1
Friday	0:00 - 0:59	0:25:47	0:13:00	2	0:18:43	0:18:43	1
Friday	1:00 - 1:59	0:06:36	0:06:36	0.5	0:00:00	0:00:00	0
Friday	2:00 - 2:59	0:06:33	0:06:33	0.5	0:00:00	0:00:00	0
Friday	3:00 - 3:59	0:00:00	0:00:00	0	0:19:14	0:19:14	1
Friday	4:00 - 4:59	0:25:39	0:13:06	2	0:19:13	0:19:13	1
Friday	5:00 - 5:59	0:13:05	0:13:05	1	0:00:00	0:00:00	0
Friday	6:00 - 6:59	0:17:26	0:17:26	1	0:19:23	0:19:23	1
Friday	7:00 - 7:59	0:10:37	0:10:37	1	0:20:37	0:17:36	1.5
Friday	8:00 - 8:59	0:10:36	0:10:36	1	0:34:10	0:17:51	1.5
Friday	9:00 - 9:59	0:10:37	0:10:37	1	0:15:55	0:15:55	1
Friday	10:00 - 10:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Friday	11:00 - 11:59	0:35:43	0:13:02	3	0:27:58	0:15:47	1.5
Friday	12:00 - 12:59	0:21:58	0:21:58	1	0:22:59	0:19:16	1.5
Friday	13:00 - 13:59	0:10:37	0:10:37	1	0:15:54	0:15:54	1
Friday	14:00 - 14:59	0:17:00	0:11:34	1.5	0:33:34	0:33:34	1
Friday	15:00 - 15:59	0:20:42	0:11:48	2	0:00:00	0:00:00	0
Friday	16:00 - 16:59	0:22:47	0:11:52	1.5	0:19:06	0:19:06	1
Friday	17:00 - 17:59	0:27:27	0:14:05	2	0:13:24	0:13:24	0.5
Friday	18:00 - 18:59	0:16:15	0:16:15	1	0:06:19	0:06:19	0.5
Friday	19:00 - 19:59	0:23:41	0:13:04	2	0:19:21	0:19:21	1
Friday	20:00 - 20:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Friday	21:00 - 21:59	0:22:32	0:22:32	1	0:19:00	0:19:00	1

New River Bridge Closures

Day of week	Time bucket	Full Build			No Build		
		Total closure	Longest closure	No. of Closures	Total closure	Longest closure	No. of Closures
Friday	22:00 - 22:59	0:23:30	0:13:03	2	0:23:16	0:19:22	1.5
Friday	23:00 - 23:59	0:13:25	0:13:25	1	0:15:21	0:15:21	0.5
Saturday	0:00 - 0:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Saturday	1:00 - 1:59	0:00:00	0:00:00	0	0:11:02	0:11:02	0.5
Saturday	2:00 - 2:59	0:13:05	0:13:05	1	0:08:20	0:08:20	0.5
Saturday	3:00 - 3:59	0:00:00	0:00:00	0	0:13:30	0:13:30	0.5
Saturday	4:00 - 4:59	0:13:06	0:13:06	1	0:05:49	0:05:49	0.5
Saturday	5:00 - 5:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Saturday	6:00 - 6:59	0:13:06	0:13:06	1	0:19:18	0:19:18	1
Saturday	7:00 - 7:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Saturday	8:00 - 8:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Saturday	9:00 - 9:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Saturday	10:00 - 10:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Saturday	11:00 - 11:59	0:20:54	0:10:37	1.5	0:30:13	0:19:26	2
Saturday	12:00 - 12:59	0:22:39	0:10:36	2	0:19:18	0:19:18	1
Saturday	13:00 - 13:59	0:14:28	0:10:37	1.5	0:15:54	0:15:54	1
Saturday	14:00 - 14:59	0:23:44	0:13:08	2	0:19:24	0:19:24	1
Saturday	15:00 - 15:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Saturday	16:00 - 16:59	0:23:46	0:13:10	2	0:19:06	0:19:06	1
Saturday	17:00 - 17:59	0:12:30	0:12:30	1	0:00:00	0:00:00	0
Saturday	18:00 - 18:59	0:23:17	0:14:11	1.5	0:19:12	0:19:12	1
Saturday	19:00 - 19:59	0:18:53	0:14:56	1.5	0:00:00	0:00:00	0
Saturday	20:00 - 20:59	0:20:51	0:10:27	2	0:00:00	0:00:00	0
Saturday	21:00 - 21:59	0:23:49	0:12:55	2	0:19:05	0:19:05	1
Saturday	22:00 - 22:59	0:23:30	0:13:03	2	0:15:47	0:15:47	0.5
Saturday	23:00 - 23:59	0:00:00	0:00:00	0	0:03:28	0:03:28	0.5
Sunday	0:00 - 0:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Sunday	1:00 - 1:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Sunday	2:00 - 2:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Sunday	3:00 - 3:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Sunday	4:00 - 4:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Sunday	5:00 - 5:59	0:00:00	0:00:00	0	0:00:00	0:00:00	0
Sunday	6:00 - 6:59	0:10:24	0:10:24	1	0:00:00	0:00:00	0
Sunday	7:00 - 7:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Sunday	8:00 - 8:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Sunday	9:00 - 9:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Sunday	10:00 - 10:59	0:10:36	0:10:36	1	0:00:00	0:00:00	0
Sunday	11:00 - 11:59	0:23:49	0:13:12	2	0:28:24	0:28:24	1
Sunday	12:00 - 12:59	0:21:58	0:21:58	1	0:00:00	0:00:00	0
Sunday	13:00 - 13:59	0:10:37	0:10:37	1	0:00:00	0:00:00	0
Sunday	14:00 - 14:59	0:11:01	0:11:01	1	0:00:00	0:00:00	0
Sunday	15:00 - 15:59	0:10:37	0:10:37	1	0:03:15	0:03:15	0.5
Sunday	16:00 - 16:59	0:23:15	0:23:15	1	0:15:51	0:15:51	0.5
Sunday	17:00 - 17:59	0:17:54	0:17:54	1	0:09:42	0:09:42	0.5
Sunday	18:00 - 18:59	0:41:27	0:17:48	3	0:17:05	0:10:30	1
Sunday	19:00 - 19:59	0:10:37	0:10:37	1	0:12:41	0:12:41	0.5
Sunday	20:00 - 20:59	0:11:05	0:11:05	1	0:00:00	0:00:00	0
Sunday	21:00 - 21:59	0:10:46	0:10:37	1.5	0:08:36	0:08:36	0.5
Sunday	22:00 - 22:59	0:34:22	0:12:55	2	0:30:02	0:19:16	1.5
Sunday	23:00 - 23:59	0:27:33	0:14:08	1.5	0:17:30	0:17:30	1

Lower drawbridge	2:00:00
Desired closure time before train arrival	5:00:00
Bridge raise	3:00:00

Lower drawbridge	02:00
Desired closure time before train arrival	10:07
Bridge raise	03:00