

**Appendix J -**  
**PCSWMM Modeled Water Surface Elevations at Key**  
**Roadway Crossings**

**Table J-1: Modeled Water Surface Elevations (WSEs) at key roadway crossings**

Location	Maximum Water Surface Elevation (WSE; ft. NAVD88)				Depth of Flooding (above ground/roadway surface, per 2013 LiDAR)			
	Present Day, 10-year	2070 10-year	Present Day 100-year	2070 100-year	Present Day, 10-year	2070 10-year	Present Day 100-year	2070 100-year
	Neponset Street, at Neponset River	45.2	45.32	45.74	46.28	2.46	2.58	2.99
Washington Street at Pond Street	130.59	130.64	130.73	130.83	3.27	3.33	3.41	3.51
Washington Street at High Street	120.14	120.14	120.15	120.15	0.01	0.01	0.02	0.03
Old Shephard Street at Old Shepard Street Dam	110.68	110.78	110.99	111.17	1.25	1.35	1.56	1.74
Neponset/Walpole Street at Canton Viaduct	65.42	65.76	66.51	67.05	1.54	1.89	2.63	3.17
Bolivar Street at Bolivar Pond Dam	100.46	100.56	100.78	100.93	0.46	0.56	0.78	0.93
Massapoag Brook at Walnut Street (d/s of Messinger Park)	103.91	103.97	104.05	104.18	0.76	0.82	0.89	1.02
Wetland adjacent Messinger St south of Bailey St	123.68	123.68	123.69	123.69	0.01	0.01	0.02	0.02
Turnpike St./Rte. 138 north of D'Angelos (culvert)	156.2	156.3	156.54	156.76	0.74	0.84	1.08	1.3
Rte 138 Turnpike St./Rte. 138 /York Brook near Dan Road	160.4	160.51	160.9	161.32	0.47	0.59	0.98	1.4
Rte 138 Turnpike St./Rte 138/York Brook near Canton Point Rd	157.55	157.7	158.1	158.49	2.72	2.87	3.27	3.66
Rte 138 Turnpike St./Rte. 138 between Randolph and Stoughton Town Line	183.49	183.49	183.5	183.51	1.38	1.38	1.39	1.4
Pleasant Street (Lower Pequit Brook, just d/s of Reservoir Pond)	136.72	136.82	136.99	137.19	0.49	0.59	0.77	0.96
Pleasant Street, near Devoll Field	150	150.04	150.17	150.34	0.11	0.15	0.27	0.45
Randolph Street, west of Blue Hills Regional Technical School (b/w Hillsview St and Randolph Terrace)	157	157.07	157.24	157.42	0.33	0.4	0.58	0.75
East Canton nuisance flooding (Woodcliff Ave)	189.99	190.08	190.3	190.45	3.26	3.36	3.58	3.72