

Sea Level Rise Scenarios Affecting Roads

City of East Providence

Map Created: 8/11/2016

Map Legend

NOTES:

The Sea Level Rise (SLR) Inundation modified bathtub model does not take into consideration future erosion or storm surge.

Includes Hillshade from USGS 2011 LIDAR

- Current Mean Higher High Water
- 1ft Sea Level Rise
- 3ft Sea Level Rise
- 5ft Sea Level Rise
- 7ft Sea Level Rise
- City and Town Boundaries
- Potentially Affected Roads
- Roads

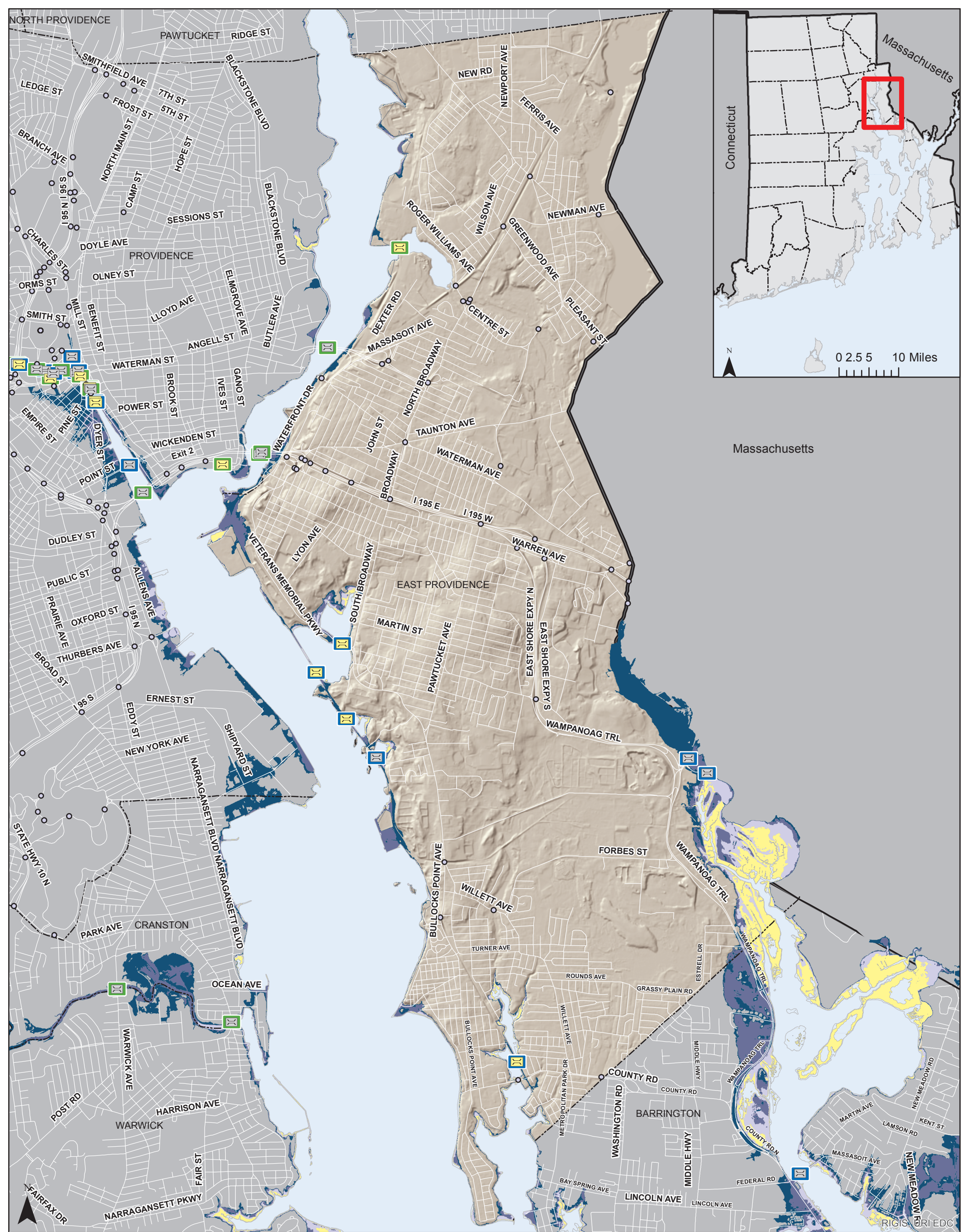
0 0.25 0.5 1 Miles



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Relative Road Vulnerability to Sea Level Rise

East Providence			Linear Feet of Road Inundated At:										
Muni Rank	State Rank	Road Name	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Hazard Score	Evacuation Route	Intermodal Facility	Functional Classification	System Score	Vulnerability Score
1	51	WAMPANOAG TRL			731	686	1,417	1.50	Yes	Yes	Freeways	4.15	5.65
2	61	EXIT 4				166	166	1.50	No	Yes	Interstate	4.00	5.50
3	62	I 195 E		7	164	207	378	1.50	No	Yes	Interstate	4.00	5.50
4	63	I 195 W		9	148	194	350	1.50	No	Yes	Interstate	4.00	5.50
5	66	ON RAMP I-195 W			102	197	299	1.50	No	Yes	Interstate	4.00	5.50
6	104	VETERANS MEMORIAL PKWY	14	113	1,018	207	1,352	3.17	No	No	Minor Art.	1.80	4.97
7	142	HENDERSON BRIDGE	29	53	60	122	265	1.72	No	Yes	Minor Art.	2.80	4.52
8	166	CRESCENT VIEW AVE				138	138	1.50	No	Yes	Minor Art.	2.80	4.30
9	232	WATER ST			99	1,089	1,188	3.33	No	No	Local	0.60	3.93
10	357	MINK RD				192	192	1.50	No	No	Minor Art.	1.80	3.30
11	413	HENDERSON EXPY	7	14	17	90	128	1.50	No	Yes	Local	1.60	3.10
12	488	RIVER RD			298	346	644	1.50	No	No	Major Coll.	1.20	2.70
13	507	ARGYLE AVE			76	220	296	1.50	No	No	Major Coll.	1.20	2.70
14	551	SABIN PT		51	138		189	1.50	No	No	Local	0.60	2.10
15	726	BELL AVE				5	5	1.50	No	No	Local	0.60	2.10
16	727	BLUFF ST			28	13	41	1.50	No	No	Local	0.60	2.10
17	728	BORDEN ST				22	22	1.50	No	No	Local	0.60	2.10
18	729	COVE ST				46	46	1.50	No	No	Local	0.60	2.10
19	730	MAURAN AVE				146	146	1.50	No	No	Local	0.60	2.10
20	731	PIER RD				154	154	1.50	No	No	Local	0.60	2.10
21	732	PRESIDENT AVE				56	56	1.50	No	No	Local	0.60	2.10
22	733	SHORE RD			439	64	504	1.50	No	No	Local	0.60	2.10
23	734	SILVER ST				26	26	1.50	No	No	Local	0.60	2.10
24	735	SQUANTUM RD				153	153	1.50	No	No	Local	0.60	2.10
25	1,342	BEACH RD			29	32	61	1.50	No	No	Local	0.60	2.10
26	1,343	KNOWLTON ST			26	39	66	1.50	No	No	Local	0.60	2.10
27	1,344	MIDDLE ST			51	20	71	1.50	No	No	Local	0.60	2.10
28	1,345	WATERMAN AVE	2	7	7	8	23	1.50	No	No	Local	0.60	2.10
TOTAL LINEAR FEET			52	253	3,431	4,637	8,374						



Sea Level Rise Scenarios Affecting Bridges

City of East Providence

Map Created: 8/11/2016

Map Legend

NOTES:

The Sea Level Rise (SLR) Inundation modified bathtub model does not take into consideration future erosion or storm surge.

Includes Hillshade from USGS 2011 LIDAR

- Freeboard Potentially Affected by SLR
- Freeboard Unlikely to be Affected by SLR
- Not Exposed to SLR
- Bridge Accessible
- Possible Bridge Access Problem
- Current Mean Higher High Water
- 1Ft Sea Level Rise
- 3Ft Sea Level Rise
- 5Ft Sea Level Rise
- 7Ft Sea Level Rise
- City and Town Boundaries
- Roads

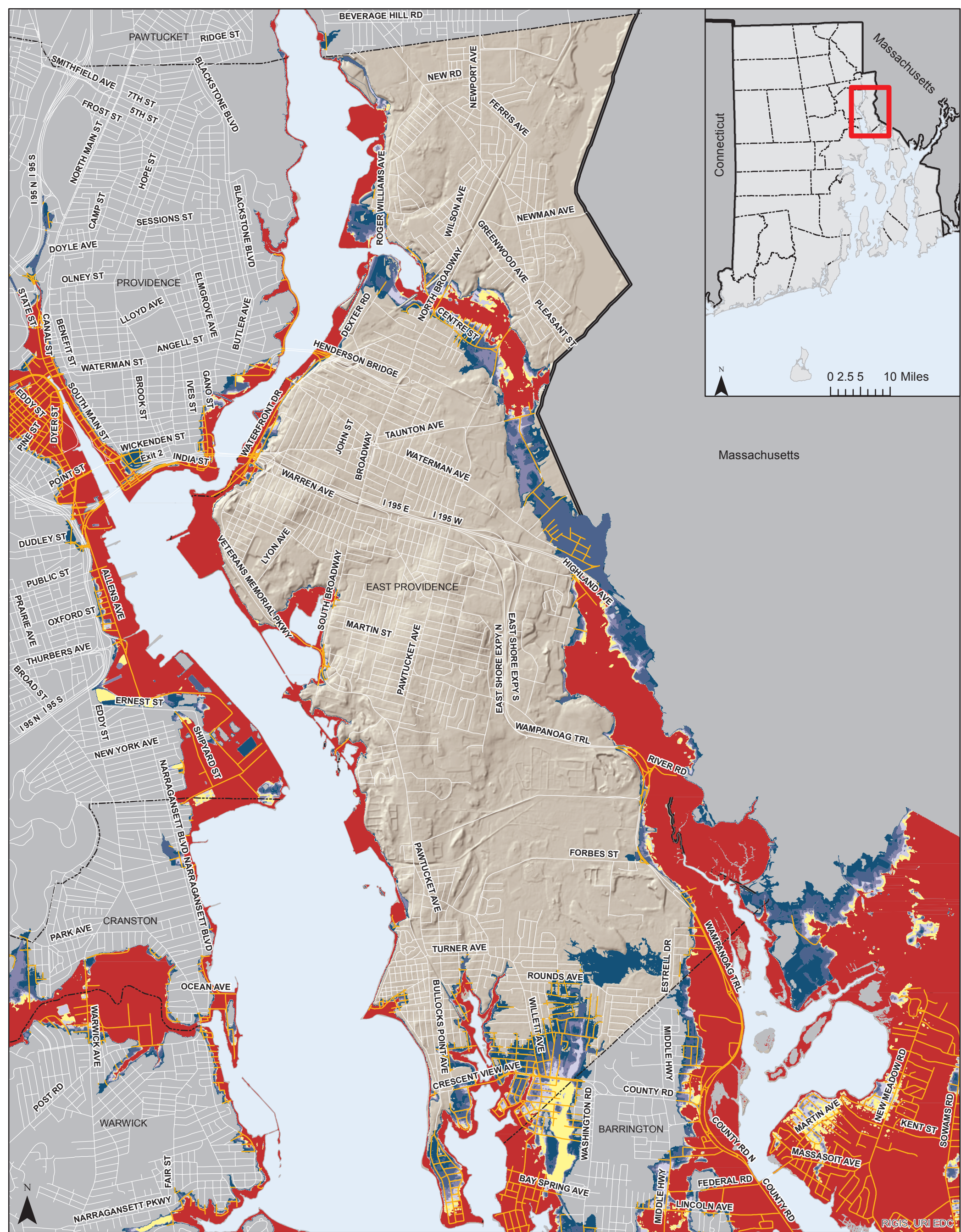
0 0.25 0.5 1 Miles



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Bridges Possibly Affected by Sea Level Rise in the City of East Providence

Mun. Rank	State Rank	Bridge Name	Facility Carried	Feature Intersected	Inches of Freeboard Relative to 7FtSLR	Terrain Crossed	Landing Access	Haz. Score	Intermodal Facility	Evac. Route	AADT	Sys. Score	Vulnerability Score
1	10	Barrington Parkway	VETERANS MEM PKWY	WATCHEMOKET COVE	-4	MHHW	Problem	5.00	No	No	17,362	3.00	8.00
2	51	Burgess Cove EBBF	E BAY BICYCLE FAC	BURGESS COVE	-9	MHHW	Problem	5.00	Yes	No	0	1.00	6.00
3	52	Watchemoket Cove EBBF	E BAY BICYCLE FAC	WATCHEMOKET COVE	-24	MHHW	Problem	5.00	Yes	No	0	1.00	6.00
4	53	Bullock Cove EBBF	E BAY BICYCLE FAC	BULLOCKS COVE	-9	MHHW	Problem	5.00	Yes	No	0	1.00	6.00
5	66	River Road	SCHOOL ST	RUNNINS R	21	Water	Problem	3.30	No	No	5,400	2.10	5.40
6	70	Runnins River Slab	RI 114A MINK ST	RUNNINS R	36	Water	Problem	2.90	No	No	13,300	2.10	5.00
7	79	Squantum Cove EBBF	E BAY BICYCLE FAC	SQUANTUM COVE	22	Water	Problem	3.30	Yes	No	1	1.00	4.30



100 Year Storm Surge Event Plus Sea Level Rise Scenarios Affecting Roads

City of East Providence











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Includes Hillshade from USGS 2011 LiDAR

- | | | | |
|---|--|---|----------------------------|
|  | Current Ponds & Mean Higher High Water |  | City and Town Boundaries |
|  | 100-Year Storm Event |  | Potentially Affected Roads |
|  | 100-Year Plus 1 ft. of SLR |  | Roads |
|  | 100-Year Plus 2 ft. of SLR | | |
|  | 100-Year Plus 3 ft. of SLR | | |
|  | 100-Year Plus 5 ft. of SLR | | |
|  | 100-Year Plus 7 ft. of SLR | | |

0 0.25 0.5 1 Miles



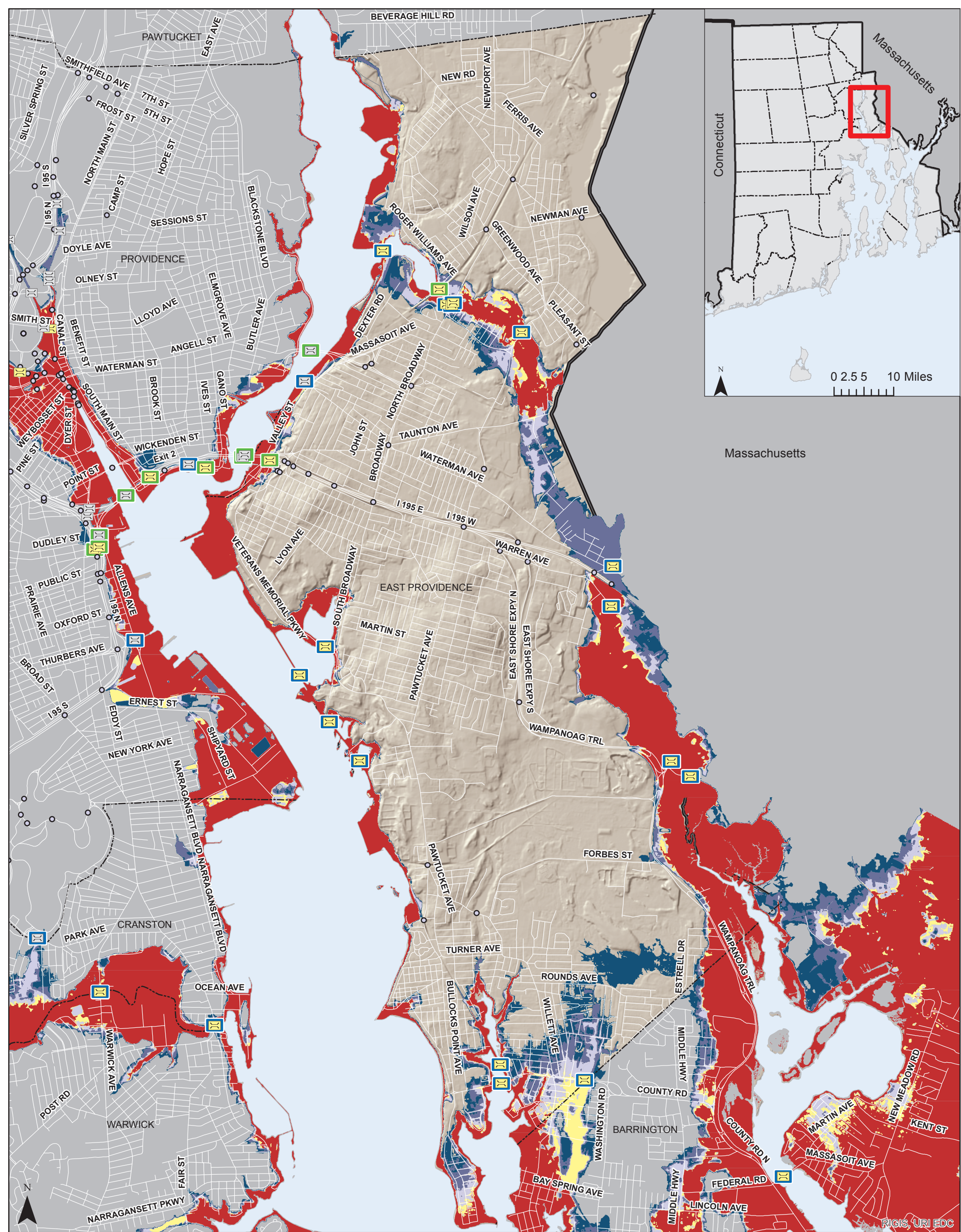
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Relative Road Vulnerability to 100-Year Storm Surge Event Plus Sea Level Rise														
East Providence			Linear Feet Inundated During 100 Year Surge Event Plus:											
Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
1	22	I 195 W	485	77	30	14	67	673	4.25	No	Yes	Interstate	3.92	8.17
2	23	WAMPANOAG TRL	6,044	563	1,085	1,699	2,484	11,875	4.19	Yes	Yes	Freeways	3.92	8.11
3	24	EXIT 4	251	86	35	16	16	404	4.10	No	Yes	Interstate	3.99	8.09
4	26	ON RAMP I-195 W	438	85	164	46	23	757	4.08	No	Yes	Interstate	3.99	8.06
5	27	I 195 E	480	80	30	20	85	695	4.15	No	Yes	Interstate	3.90	8.05
6	52	HENDERSON BRIDGE	983	11	32	61	27	1,114	4.59	No	Yes	Minor Art.	2.80	7.39
7	73	PAWTUCKET AVE	449	131	347	596	304	1,826	3.64	No	Yes	Principal Art.	3.40	7.04
8	85	WILLETT AVE	3	1,335	1,640	988	694	4,660	3.49	Yes	No	Principal Art.	3.43	6.92
9	93	MINK RD	257					257	5.00	No	No	Minor Art.	1.80	6.80
10	109	CRESCENT VIEW AVE	1,814	947	441	440	149	3,791	4.16	No	Yes	Minor Art.	2.45	6.61
11	121	HIGHLAND AVE	1,144	159	344	60	51	1,759	4.24	No	No	Minor Art.	2.28	6.53
12	161	RIVER RD	867					867	5.00	No	No	Major Coll.	1.20	6.20
13	170	VETERANS MEMORIAL PKWY	2,340	54	100	181	197	2,873	4.39	No	No	Minor Art.	1.80	6.19
14	174	OFF RAMP MINK RD	902					902	5.00	No	No	Minor Coll.	1.17	6.17
15	204	WATERFRONT DR	4,296	619	875	481	208	6,478	4.43	No	No	Major Coll.	1.47	5.90
16	205	HENDERSON EXPY	788	12	30	95	68	993	4.28	No	No	Minor Coll.	1.61	5.89
17	218	SOUTH BROADWAY	640	97	176	152	159	1,223	3.49	No	Yes	Minor Art.	2.35	5.83
18	247	ROGER WILLIAMS AVE	590	458	678	835	355	2,915	3.22	No	Yes	Minor Art.	2.43	5.65
19	250	CATAMORE BLVD	500	34	67	61	55	716	4.04	No	Yes	Local	1.60	5.64
20	254	ARGYLE AVE	625	10	30	30	59	753	4.40	No	No	Major Coll.	1.20	5.60
21	258	MURRAY AVE	245	282				527	5.00	No	No	Local	0.60	5.60
22	259	MYRA AVE	71	178				248	5.00	No	No	Local	0.60	5.60
23	487	BEACH POINT DR	882					882	5.00	No	No	Local	0.60	5.60
24	488	BOSTON ST	429					429	5.00	No	No	Local	0.60	5.60
25	489	HAROLD ST	601					601	5.00	No	No	Local	0.60	5.60
26	490	HARRIET ST		379				379	5.00	No	No	Local	0.60	5.60
27	491	OCEAN AVE	294					294	5.00	No	No	Local	0.60	5.60
28	492	ON RAMP RI-114 N	318					318	5.00	No	No	Local	0.60	5.60
29	493	PIER RD	155					155	5.00	No	No	Local	0.60	5.60
30	494	ROGERS AVE	654	195				849	5.00	No	No	Local	0.60	5.60
31	495	ROYAL AVE	293					293	5.00	No	No	Local	0.60	5.60
32	496	SABIN PT	189					189	5.00	No	No	Local	0.60	5.60
33	497	SEA VIEW AVE	540					540	5.00	No	No	Local	0.60	5.60
34	498	SPORTSMANS DR	164					164	5.00	No	No	Local	0.60	5.60
35	499	STAR AVE	611					611	5.00	No	No	Local	0.60	5.60
36	500	VINTNER AVE	643					643	5.00	No	No	Local	0.60	5.60
37	501	WATER ST	1,296					1,296	5.00	No	No	Local	0.60	5.60
38	1,021	TAUNTON AVE		285	550	202	132	1,169	2.82	No	No	Principal Art.	2.77	5.59
39	1,062	PARK SQUARE AVE	399	9				408	4.93	No	No	Local	0.60	5.53
40	1,112	PROMENADE ST	762	487	59			1,309	4.84	No	No	Local	0.60	5.44
41	1,125	BURKE ST	525	73				598	4.82	No	No	Local	0.60	5.42
42	1,190	CENTRE ST		34	909	907	1,322	3,172	3.50	No	No	Minor Art.	1.80	5.30
43	1,192	WATERMAN AVE	98	6	35	1,610	166	1,915	2.94	No	Yes	Minor Art.	2.36	5.30
44	1,199	NORTH BROADWAY	537	133	232	219	190	1,310	3.27	No	No	Minor Art.	2.01	5.28
45	1,203	METROPOLITAN PARK DR		687	594	94		1,375	4.05	No	No	Major Coll.	1.23	5.28
46	1,247	NORTH SHORE DR	424	155	76			655	4.59	No	No	Local	0.60	5.19
47	1,254	ON RAMP RI-114 S	499	64	44			607	4.59	No	No	Local	0.60	5.19
48	1,279	SQUANTUM RD	634	17	34	31	23	739	4.55	No	No	Local	0.60	5.15
49	1,282	COMMERCIAL WAY		101	814	1,406	1,037	3,358	3.55	No	Yes	Local	1.60	5.15
50	1,306	INTERLOCKEN RD	585	118	59	30	30	822	4.49	No	No	Local	0.60	5.09
51	1,360	PECK AVE	8	416	271			694	4.38	No	No	Local	0.60	4.98
52	1,378	WANNISETT AVE	484	230	540			1,254	4.35	No	No	Local	0.60	4.95
53	1,401	RIVERSIDE DR	1,464	392	474	622	133	3,084	4.32	No	No	Local	0.60	4.92
54	1,441	KETTLE POINT AVE	438	87	33	30	30	618	4.26	No	No	Local	0.60	4.86
55	1,489	SHEPARD ST	52	194	73			318	4.20	No	No	Local	0.60	4.80
56	1,492	FRANKLIN ST		473	344			817	4.19	No	No	Local	0.60	4.79
57	1,501	PRESIDENT AVE	404	20	39	39	39	542	4.18	No	No	Local	0.60	4.78
58	1,503	SPRING ST		527	363			890	4.18	No	No	Local	0.60	4.78
59	1,507	CAROUSEL DR	651	179	678	88		1,596	4.17	No	No	Local	0.60	4.77
60	1,512	STRATFORD AVE	315	8	92			415	4.16	No	No	Local	0.60	4.76
61	1,528	KNOWLTON ST	161	10	13	16	13	213	4.14	No	No	Local	0.60	4.74
62	1,530	DEY ST	298	34	58	31		421	4.14	No	No	Local	0.60	4.74
63	1,554	ROUNDS AVE					1,097	1,097	3.50	No	No	Major Coll.	1.20	4.70
64	1,568	EDNA AVE		112	175			287	4.09	No	No	Local	0.60	4.69
65	1,569	MOHAWK DR	403	27	58	41	37	567	4.08	No	No	Local	0.60	4.68
66	1,572	MAURAN AVE	456	27	59	44	53	639	4.08	No	No	Local	0.60	4.68
67	1,594	RAMSAY ST		435	446			881	4.04	No	No	Local	0.60	4.64
68	1,608	WARREN AVE	297	185	236	818	187	1,724	2.61	No	No	Minor Art.	2.01	4.62
69	1,631	HILTON AVE		509	513	547		1,569	3.99	No	No	Local	0.60	4.59
70	1,654	WINTER HARBOR AVE	100	58	181			339	3.94	No	No	Local	0.60	4.54
71	1,665	CAROUSEL DR E		228	598			826	3.91	No	No	Local	0.60	4.51

Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
72	1,676	SILVER ST	167	9	26	30	12	244	3.90	No	No	Local	0.60	4.50
73	1,695	BEACH RD	173	11	28	21	22	255	3.88	No	No	Local	0.60	4.48
74	1,798	SACHEM RD		180	526	524		1,231	3.72	No	No	Local	0.60	4.32
75	1,831	BORDEN ST	167	16	36	33	33	285	3.66	No	No	Local	0.60	4.26
76	1,840	VALLEY ST	42	427	695	559	178	1,901	3.65	No	No	Minor Coll.	0.60	4.25
77	1,853	BULLOCKS POINT AVE	651	320	607	1,274	508	3,360	3.63	No	No	Local	0.60	4.23
78	1,884	PLANET AVE	241	91	681	134		1,147	3.58	No	No	Local	0.60	4.18
79	1,926	POKANOKET AVE	49	73	289			411	3.50	No	No	Local	0.60	4.10
80	1,939	ABBOTT ST				1,099		1,099	3.50	No	No	Local	0.60	4.10
81	1,940	BREEZE WAY				514		514	3.50	No	No	Local	0.60	4.10
82	1,941	CLIFTON AVE	21	81	353			455	3.50	No	No	Local	0.60	4.10
83	1,942	HUMPHREY ST				727		727	3.50	No	No	Local	0.60	4.10
84	1,943	J MEDEIROS WAY				851		851	3.50	No	No	Local	0.60	4.10
85	1,944	JULIEN AVE				527		527	3.50	No	No	Local	0.60	4.10
86	1,945	LUTHER AVE				1,030		1,030	3.50	No	No	Local	0.60	4.10
87	1,946	MARSH ST				516		516	3.50	No	No	Local	0.60	4.10
88	1,947	PLAZA DR			469			469	3.50	No	No	Local	0.60	4.10
89	1,948	PRESCOTT AVE					1,267	1,267	3.50	No	No	Local	0.60	4.10
90	1,949	ROBIN HOOD DR					1,059	1,059	3.50	No	No	Local	0.60	4.10
91	1,950	ROWENA DR				513		513	3.50	No	No	Local	0.60	4.10
92	1,951	STATE ST				621		621	3.50	No	No	Local	0.60	4.10
93	1,961	REARDON AVE	236	30	62	59	56	443	3.50	No	No	Local	0.60	4.10
94	1,964	BYRON AVE	164	181	327	260		931	3.50	No	No	Local	0.60	4.10
95	1,994	TERRACE AVE	534	286	531	1,222	703	3,276	3.45	No	No	Local	0.60	4.05
96	2,010	ROCKAWAY ST				537	20	557	3.43	No	No	Local	0.60	4.03
97	2,017	JILL CT	114	36	95			244	3.42	No	No	Local	0.60	4.02
98	2,024	1ST ST	279	47	135	170	111	743	2.94	No	No	Local	1.07	4.01
99	2,033	MIDDLE ST	188	23	67	53	40	371	3.40	No	No	Local	0.60	4.00
100	2,046	BRISTOL AVE			208	606		814	3.22	No	No	Local	0.74	3.96
101	2,090	ARNOLD ST	337	44	95	124	112	713	3.28	No	No	Local	0.60	3.88
102	2,097	SHORE RD	725	39	61	53	596	1,475	3.27	No	No	Local	0.60	3.87
103	2,119	ANSON DR			41	145	1,226	1,412	3.24	No	No	Local	0.60	3.84
104	2,133	CHANNING AVE	178	93	239	247		758	3.20	No	No	Local	0.60	3.80
105	2,169	MYRTLE AVE				520	113	634	3.14	No	No	Local	0.60	3.74
106	2,170	MAGNOLIA ST		53	402	70	31	556	3.14	No	No	Local	0.60	3.74
107	2,185	WILSON AVE					56	56	1.50	No	Yes	Major Coll.	2.20	3.70
108	2,195	BECKER AVE			537	427	1,100	2,064	3.09	No	No	Local	0.60	3.69
109	2,217	JOSEPHINE AVE	140	22	31	58	100	351	3.02	No	No	Local	0.60	3.62
110	2,223	LEGION WAY			593	1,110	560	2,263	3.01	No	No	Local	0.60	3.61
111	2,225	BLUFF ST	87	7	16	36	56	202	3.00	No	No	Local	0.60	3.60
112	2,231	ANCHOR WAY			327			327	2.99	No	No	Local	0.60	3.59
113	2,234	BOOTH AVE			90	545	97	732	2.99	No	No	Local	0.60	3.59
114	2,262	LEE RD	57	20	34	31	31	172	2.90	No	No	Local	0.60	3.50
115	2,267	ALMEIDA ST				839	369	1,207	2.89	No	No	Local	0.60	3.49
116	2,284	MAIN ST	439	46	112	164	446	1,207	2.85	No	No	Local	0.60	3.45
117	2,286	FRANCIS AVE	130	10	26	70	102	337	2.85	No	No	Local	0.60	3.45
118	2,308	PRISCILLA AVE		151	451	443		1,046	2.77	No	No	Local	0.60	3.37
119	2,324	OAK CREST DR			23	893	543	1,458	2.72	No	No	Local	0.60	3.32
120	2,330	COVE ST	175	13	549	216	454	1,406	2.71	No	No	Local	0.60	3.31
121	2,331	FLOYD AVE	72	19	455	411		957	2.71	No	No	Local	0.60	3.31
122	2,332	BREEZE AVE	68	21	55	87		231	2.71	No	No	Local	0.60	3.31
123	2,333	LOCUST ST	79	47	83	46	50	305	2.71	No	No	Local	0.60	3.31
124	2,338	FORBES ST					172	172	1.50	No	No	Minor Art.	1.80	3.30
125	2,339	OFF RAMP FORBES ST				31	143	175	1.50	No	No	Minor Art.	1.80	3.30
126	2,353	GLENROSE DR				1,305	882	2,187	2.69	No	No	Local	0.60	3.29
127	2,361	PARK DR				943	665	1,608	2.67	No	No	Local	0.60	3.27
128	2,383	ALDEN ST		43	313	121		477	2.62	No	No	Local	0.60	3.22
129	2,388	NARRAGANSETT AVE	124	81	132	91	106	533	2.62	No	No	Local	0.60	3.22
130	2,414	FERNCREST DR			236	589	696	1,520	2.53	No	No	Local	0.60	3.13
131	2,415	CARRIE AVE		149	107	78	171	505	2.53	No	No	Local	0.60	3.13
132	2,416	WILL ANN DR	68	21	45	115	26	275	2.52	No	No	Local	0.60	3.12
133	2,420	HARRINGTON ST			276	268		544	2.51	No	No	Local	0.60	3.11
134	2,424	BRISTOL DR			134			134	1.50	No	Yes	Local	1.60	3.10
135	2,441	PALMER AVE				543	550	1,093	2.49	No	No	Local	0.60	3.09
136	2,475	PEARL AVE	13	102	252	244	173	784	2.39	No	No	Local	0.60	2.99
137	2,485	GLENWOOD AVE	40	55	177	113	87	473	2.34	No	No	Local	0.60	2.94
138	2,494	POPLAR AVE			224	247		472	2.31	No	No	Local	0.60	2.91
139	2,495	WILLOW ST			202	127	170	499	2.31	No	No	Local	0.60	2.91
140	2,520	WAMSETTA AVE			174	248		422	2.23	No	No	Local	0.60	2.83
141	2,530	GLEN ST	80	41	128	134	132	515	2.20	No	No	Local	0.60	2.80
142	2,533	BEACON PARK DR	101	97	212	281	534	1,225	2.19	No	No	Local	0.60	2.79
143	2,537	MEDBERRY ST	34	10	17	17	23	100	2.18	No	No	Local	0.60	2.78
144	2,539	LILLIAN AVE	118	26	63	155	327	688	2.17	No	No	Local	0.60	2.77

Muni. Rank	State Rank	NAME	No SLR	1 Foot of SLR	3 Feet of SLR	5 Feet of SLR	7 Feet of SLR	Total Linear Feet	Haz. Score	Evac. Route	Intermodal Facility	Functional Classification	Sys. Score	Vulnerability Score
145	2,582	TURNER AVE				33	7	39	1.50	No	No	Major Coll.	1.20	2.70
146	2,652	BELL AVE	91	10	81	172	351	705	1.95	No	No	Local	0.60	2.55
147	2,660	HOLLAND AVE			396	336	747	1,479	1.94	No	No	Local	0.60	2.54
148	2,669	HARDING AVE		18	26	23	20	88	1.92	No	No	Local	0.60	2.52
149	2,672	CHAUNCEY AVE		36	203	163	327	729	1.91	No	No	Local	0.60	2.51
150	2,706	CORNELL AVE	22	33	111	84	145	395	1.78	No	No	Local	0.60	2.38
151	2,713	VISION BLVD		58	183	142	88	470	1.74	No	No	Local	0.60	2.34
152	2,722	VIOLA AVE	57	49	125	467	663	1,361	1.72	No	No	Local	0.60	2.32
153	2,723	PROVIDENCE AVE	50	76	142	304	605	1,176	1.71	No	No	Local	0.60	2.31
154	2,737	BEVERLY RD				66	152	217	1.50	No	No	Local	0.60	2.10
155	2,738	LANTERN LN				45	447	492	1.50	No	No	Local	0.60	2.10
156	2,739	REGENT DR			21	57	56	134	1.50	No	No	Local	0.60	2.10
157	2,740	SKYCREST AVE			10	67	26	102	1.50	No	No	Local	0.60	2.10
158	2,842	ALLEN AVE					36	36	1.50	No	No	Local	0.60	2.10
159	2,843	ALLISON CT				385	159	544	1.50	No	No	Local	0.60	2.10
160	2,844	BALTIC AVE				403		403	1.50	No	No	Local	0.60	2.10
161	2,845	BENEDICT ST					794	794	1.50	No	No	Local	0.60	2.10
162	2,846	BENSON AVE					356	356	1.50	No	No	Local	0.60	2.10
163	2,847	BOURNE AVE					44	44	1.50	No	No	Local	0.60	2.10
164	2,848	BROOK AVE					896	896	1.50	No	No	Local	0.60	2.10
165	2,849	CAROUSEL DR W				120	231	351	1.50	No	No	Local	0.60	2.10
166	2,850	CASTRO ST					11	11	1.50	No	No	Local	0.60	2.10
167	2,851	CIRCUIT DR					141	141	1.50	No	No	Local	0.60	2.10
168	2,852	COZZENS AVE				29	30	59	1.50	No	No	Local	0.60	2.10
169	2,853	CRAIGE AVE				337		337	1.50	No	No	Local	0.60	2.10
170	2,854	CRAWFORD RD					89	89	1.50	No	No	Local	0.60	2.10
171	2,855	CREST AVE			67	85	103	254	1.50	No	No	Local	0.60	2.10
172	2,856	CYPRESS ST					31	31	1.50	No	No	Local	0.60	2.10
173	2,857	DALTON ST				63	68	132	1.50	No	No	Local	0.60	2.10
174	2,858	DORR AVE					71	71	1.50	No	No	Local	0.60	2.10
175	2,859	ELSON DR					506	506	1.50	No	No	Local	0.60	2.10
176	2,860	FOREST AVE					803	803	1.50	No	No	Local	0.60	2.10
177	2,861	HARTFORD AVE				90	106	196	1.50	No	No	Local	0.60	2.10
178	2,862	HASCALL ST					330	330	1.50	No	No	Local	0.60	2.10
179	2,863	LARCUM LN					221	221	1.50	No	No	Local	0.60	2.10
180	2,864	LARRY LN					31	31	1.50	No	No	Local	0.60	2.10
181	2,865	LOWELL DR					56	56	1.50	No	No	Local	0.60	2.10
182	2,866	MARGARET AVE					246	246	1.50	No	No	Local	0.60	2.10
183	2,867	MURIEL ST					149	149	1.50	No	No	Local	0.60	2.10
184	2,868	MYSTIC AVE				127	178	304	1.50	No	No	Local	0.60	2.10
185	2,869	NATHANIEL ST					129	129	1.50	No	No	Local	0.60	2.10
186	2,870	NORTH ST			53	242	153	448	1.50	No	No	Local	0.60	2.10
187	2,871	NOYES AV					313	313	1.50	No	No	Local	0.60	2.10
188	2,872	PEACH ORCHARD DR			13	89	400	502	1.50	No	No	Local	0.60	2.10
189	2,873	PINE CREST DR					460	460	1.50	No	No	Local	0.60	2.10
190	2,874	ROLFE ST				140	21	161	1.50	No	No	Local	0.60	2.10
191	2,875	SCOTT DR					635	635	1.50	No	No	Local	0.60	2.10
192	2,876	SOCONY RD					205	205	1.50	No	No	Local	0.60	2.10
193	2,877	SPINNAKER DR			172	370		542	1.50	No	No	Local	0.60	2.10
194	2,878	SUNSET AVE					106	106	1.50	No	No	Local	0.60	2.10
195	2,879	SUTCLIFFE CIR					181	181	1.50	No	No	Local	0.60	2.10
196	2,880	TEMPLE DR					189	189	1.50	No	No	Local	0.60	2.10
197	2,881	THERESA ST				74	402	476	1.50	No	No	Local	0.60	2.10
198	2,882	THURSTON ST					104	104	1.50	No	No	Local	0.60	2.10
199	2,883	VINELAND AVE					330	330	1.50	No	No	Local	0.60	2.10
200	2,884	WOODCLIFFE AVE				399		399	1.50	No	No	Local	0.60	2.10
201	2,885	WOODCREST DR					667	667	1.50	No	No	Local	0.60	2.10
202	2,886	WORCESTER AVE			142	93	113	348	1.50	No	No	Local	0.60	2.10
203	2,887	YALE AVE					411	411	1.50	No	No	Local	0.60	2.10
204	3,274	ALGONQUIN RD				386	490	876	1.50	No	No	Local	0.60	2.10
205	3,275	BROADVIEW RD			97	76	73	245	1.50	No	No	Local	0.60	2.10
206	3,276	CEDARWOOD DR			23	404	338	765	1.50	No	No	Local	0.60	2.10
207	3,277	CLAIRE ST				347	264	611	1.50	No	No	Local	0.60	2.10
208	3,278	DEXTER RD				334	214	548	1.50	No	No	Local	0.60	2.10
209	3,279	EARL AVE			46	59	66	171	1.50	No	No	Local	0.60	2.10
210	3,280	FENNER AVE				122	125	246	1.50	No	No	Local	0.60	2.10
211	3,281	OMEGA WAY				1	8	9	1.50	No	No	Local	0.60	2.10
212	3,282	PEARY ST			51	39	20	110	1.50	No	No	Local	0.60	2.10
213	3,283	RIDGE DR				64	27	91	1.50	No	No	Local	0.60	2.10
214	3,284	SHERMAN ST			17	60	46	123	1.50	No	No	Local	0.60	2.10
215	3,285	TIMBERLAND DR				450	455	905	1.50	No	No	Local	0.60	2.10
		Total Linear Feet	47,581	15,411	28,783	43,513	40,202	175,490						



100 Year Storm Surge Event Plus Sea Level Rise Scenarios Affecting Bridges

City of East Providence

Map Created: 8/11/2016

Map Legend

NOTES:

The Sea Level Rise (SLR) Inundation modified bathtub model does not take into consideration future erosion or storm surge.

Includes Hillshade from USGS 2011 LIDAR

- | | | |
|--|----------------------------|--------------------------|
| Freeboard Potentially Affected by Surge | 100-Year Storm Event | City and Town Boundaries |
| Freeboard Unlikely to be Affected by Surge | 100-Year Plus 1 ft. of SLR | Roads |
| Not Exposed to Surge | 100-Year Plus 3 ft. of SLR | |
| Bridge Accessible | 100-Year Plus 5 ft. of SLR | |
| Possible Bridge Access Problem | 100-Year Plus 7 ft. of SLR | |

0 0.25 0.5 1 Miles



Map Disclaimer: This map is not the product of a Professional Land Survey. It was created by RI Statewide Planning Program for general reference, informational, planning and guidance use, and is not a legally authoritative source as to location of natural or manmade features. Proper interpretation of this map may require the assistance of appropriate professional services. RI Statewide Planning Program makes no warranty, express or implied, related to the spatial accuracy, reliability, completeness, or currentness of this map.

Relative Bridge Vulnerability to 100-Year Storm Surge Event Plus Sea Level Rise in the City of East Providence

Mun. Rank	State Rank	Bridge Name	Facility Carried	Feature Intersected	Inches of Freeboard Relative to 7FtSLR	Terrain Crossed	Landing Access	Haz. Score	Intermodal Facility	Evac. Route	AADT	Sys. Score	Vuln. Score
1	19	Barrington Parkway	VETERANS MEM PKWY	WATCHEMOKET COVE	-184	MHHW	Problem	5.00	No	No	17,362	3.00	8.00
2	23	Roger Williams Ave	ROGER WILLIAMS AV	TEN MILE R	-126	MHHW	Problem	5.00	Yes	No	10,151	2.80	7.80
3	28	Luther's Corner	US 6 FALL RIVER RD	RUNNINS R	-54	Water	Problem	4.50	No	No	25,200	3.00	7.50
4	29	Pecks	RI 103 WILLETT AV	PECKS BROOK	-5	Water	Problem	4.50	No	Yes	12,300	2.80	7.30
5	30	Coles	US1A&RI114PWTCKTAV	TEN MILE R	-99	Water	Problem	4.50	Yes	No	14,747	2.80	7.30
6	31	Crescentview Drive Culvert	CRESCENT VIEW AV	BULLOCK COVE	-116	Water	Problem	4.50	Yes	No	6,868	2.80	7.30
7	48	Ten Mile River South	RI 152 N BROADWAY	TEN MILE R	-142	MHHW	Problem	5.00	No	No	10,807	1.80	6.80
8	57	Runnins River	WARREN AV	RUNNINS R	-84	Water	Problem	4.50	No	No	12,600	1.80	6.30
9	58	Runnins River Slab	RI 114A MINK ST	RUNNINS R	-150	Water	Problem	4.50	No	No	13,300	1.80	6.30
10	59	River Road	SCHOOL ST	RUNNINS R	-164	Water	Problem	4.50	No	No	5,400	1.80	6.30
11	60	Ten Mile River North	RI 152 N BROADWAY	TEN MILE R	-50	Water	Problem	4.50	No	No	10,807	1.80	6.30
12	75	Burgess Cove EBBF	E BAY BICYCLE FAC	BURGESS COVE	-189	MHHW	Problem	5.00	Yes	No		1.00	6.00
13	76	Watchemoket Cove EBBF	E BAY BICYCLE FAC	WATCHEMOKET COVE	-204	MHHW	Problem	5.00	Yes	No		1.00	6.00
14	77	Bullock Cove EBBF	E BAY BICYCLE FAC	BULLOCKS COVE	-177	MHHW	Problem	5.00	Yes	No		1.00	6.00
15	78	Valley Street	I-195 RAMP CR-1	VALLEY ST	-2	Land	Access	2.00	Yes	No	21,600	4.00	6.00
16	101	Squantum Cove EBBF	E BAY BICYCLE FAC	SQUANTUM COVE	-163	Water	Problem	4.50	Yes	No		1.00	5.50
17	117	Proposed_Omaga Pond RR	UNASSIGNED	UNASSIGNED	-276	MHHW	Problem	5.00	No	No		0.00	5.00
18	130	Waterman Ave Spur RR	WATERMAN AV	P&W RR R.O.W.	47	Land	Problem	3.60	No	No	200	0.60	4.20
19	139	Roger Williams Ave RR PW	P&W RR	ROGER WILLIAMS AV	-74	Water	Access	2.50	Yes	No		1.00	3.50