

DRAFT 2.5.2020



RIDOT/OER Route 95 and Route 295 Solar Site Selection Matrix

SITE #	LOCATION DESCRIPTION	CITY/TOWN	TOTAL AREA (AC)	ENVIRONMENTAL RESOURCE AREAS	FEMA ZONE	ADDITIONAL COMMENTS	DISTANCE TO INTERCONNECT (MI)
1	Rt 95 median- Exit 4 Nooseneck Hill to Dawley Park	Richmond	15.26	Wetlands within 75' of the SW end of the median and within 65' mid-length of the median on the W side.	X	paved drainage ditches on NB & SB side of median to a drainage swale	
2	Rt 95 median- Exit 4 Nooseneck Hill to Teft Hill Trail	Exeter	6.3	Wetlands within 50' of SW corner of median.	X	paved drainage ditches on NB & SB side of median to a drainage swale, toll mast arms on NB & SB sides of median	
4	Rt 95 median- Ten Rod Road to Austin Farm Road	Exeter	8.09	none	X	paved drainage ditches on NB & SB side of median to a drainage swale	
5	Rt 95 median- Austin Farm Road to Victory Highway	West Greenwich	10.48	Roaring Brook within 75' of northwest median edge. Wetland within 100' of SE side of median	X	paved drainage ditches on NB & SB side of median to a drainage swale	
6	Rt 95 Median- Victory Highway to Robin Hallow Road	West Greenwich	20.33	Two wetlands within 75' of west side of median. Raccoon Brook runs thru NW wetland then runs parallel (within 100' to the median and connects to the SW wetland. Raccoon Brook then crosses the median north of Witts Swamp Road and connects to the SE wetland. a 4th wetland within 75' of NE section of median.	X	paved drainage ditches on NB & SB side of median to a drainage swale	
7	Rt 95 median- Robin Hallow Rd to Gardner Matteson Lane	West Greenwich	9.44	Nooseneck River crosses median at northern end of median that connects to Site 8. River appears to run under the paved cut-thru	X	paved drainage ditches on NB & SB side of median to a drainage swale, sign board mast arms on SB side of median	
8	Rt 95 median- Gardner Matteson Lane to Nooseneck Hill Road	West Greenwich	14.49	Nooseneck River crosses median at southern end of median that connects to Site 7. River appears to run under the paved cut-thru	X	paved drainage ditches on NB & SB side of median to a drainage swale	
9	Rt 95/295 median- Exit 12 Toll Gate Road	Warwick	20.48	unnamed water course within 75' of NW corner of median	X	some topographic relief on the site, site is forested, appears easy access could be provided, 2 existing ground mounted solar farms 2 & 2.5 miles east of site, OHW cross median	
10	Rt 295 median- New Londa Avenue to Rt 37	Cranston	37.17	unnamed water course connects two wetlands towards approx. 1500' north of Providence St., SW wetland is in the median, SE wetland is within 25' of median edge. A 2nd unnamed water course 3,500' north of Providence St crosses the median just north of this course to approx. 750' is a wetland in the median. wetland in clover leaf at Rt. 37	0.2% annual chance flood 3,500-5,500' north of Providence Street. There is 0.2% and AE, and AE Floodway (elev. 44) associated with the Meshanticut Brook that crosses the median approx 1,100' south of Wilber Ave. There is 0.2%, AE, and AE floodway (el 50) where Wilber Avenue crosses the median. THIS MUST BE ON WILBER AVE NOT ON THE MEDIAN? 0.2%, AE (ELEV. 51) in cloverleaf at Rt 37	forested	
11	Rt 295 median- Hartford Avenue to Greenville Avenue	Johnston	72.7	Multiple wetlands in the median the length of the site. The Pocasset River crosses the median and has undated water courses branch off it in the median. Unnamed water course crosses median approx. 1,775' south of Greenville Ave.	0.2% annual chance flood, AE and AE Floodway (elev 147-194) associated with the Pocasset River	forested	
12	Rt 295 median- Exit 7b to Farnum Pike (Rt 104)	Smithfield	29.4	4 unnamed water courses approx 1,120' and 4,200', and 6,400' and 6,800' north of Mountindale Rd.	X	has some topographic relief, some forested areas, ledge on NB side, OHW crosses median	
13	Rt 295 median- Exit 9a to Rt 146	North Smithfield	17.89	Crookfall Brook crosses median approx 2,000' west of Eddie Dowling Highway (EDH). 3 wetlands between the Brook and EDH in the median. Large wetland within 50' of south side of median.	X	mostly cleared median, no environmental resources from western side to site to Crookfall Brook, site widens for more panels/row, existing OHW, Solar farm >0.1 mile south of site	
14	Rt 295 median- Route 146 to Old River Road	Lincoln	15.93	wetlands within 100' of south side of median.	X	mostly cleared median, paved drainage ditches on NB&SB	
15	Rt 295 median- Old River Road to Blackstone River	Lincoln	21.21	unnamed water course within 100' of north side side of median	AE and AE floodway associated with the Blackstone River at the eastern end of site. But 295 is over river.	sure looks like there is a lot surface water in the median in the aerials, mostly forested, ledge on SB side	
16A	Rt 95 SB Exit 13 area between SB off-ramp and SB on-ramp	Warwick		none		entire site area within 0.2% annual chance flood	cleared
16B	Rt 95 Exit 13 SB on-ramp clover leaf	Warwick		most of site is wetlands		0.2% annual chance flood, AE and AE Floodway (elev 27) associated with the Pawtuxet River	cleared
16C	RT 95 Exit 13 NB area between SB& NB on-ramps	Warwick		none		entire site within in 0.2% annual chance flood	cleared, solar .35 miles east of site , do not have to cross highway with electric