

2020-2021 Planning Study Alternatives

ALTERNATIVE	DESCRIPTION	Fish passage	Restoration of tidal flow	Other	Landward Water Surface Elevation (WSEL) (NAVD88)	Increased Acreage Impact	Number of Properties	Hazardous Waste Sites	Wells/Septic (hand-dug)
NOTE: Impacts noted are from differences in normal water levels for normal tides and normal riverine flow (impacts do <u>NOT</u> include riverine floods, spring tides, storm surges or SLR)									
Number*	Culvert or Bridge, Span and Size	Improved landward fish passage	Ranges from no change to full restoration (i.e. no tidal restriction)	Causeway Parking/Vending; Multi-Use Trail; Stride Bridge	MHW Water Surface Elevation LOW (<2') MEDIUM (2' to 4') HIGH (>4')	Additional acreage impacts due to change in WSEL	Parcels impacted by change in WSEL	Number of potential hazmat sites impacted by change in WSEL	Number of parcels with water supply wells & septic impacted by change in WSEL
1	Replacement in-kind	No	None	Maintains parking and trail on causeway	LOW (EL. -2.5' Change = -3.7' to -1.7')	N/A	N/A	N/A	N/A
4	5 culverts, 4 gated, 1 open, all at EL-6.05	Yes (advection)	Improvement	Maintains parking and trail on causeway	LOW (EL. 0.8' Change = -0.5' to +1.5')	0 to 40	6 to 10	0	0
4 modified	3 larger culverts, 2 gated @ -4.05, 1 open @ -6.05	Yes (advection)	Improvement	Maintains parking and trail on causeway	MEDIUM (EL. 2.3' Change = +1.0' to +3.0')	47 to 92	28 to 30	0	0
9	4 open box culverts	Yes (advection)	Improvement	<ul style="list-style-type: none"> Maintains full parking Requires changes at Stride Bridge 	MEDIUM/HIGH (EL. 4.1' Change = +2.8' to +4.8')	123 to 168	38	0	1
10	120 ft bridge, no parking on bridge	Yes (volitional)	Restoration	<ul style="list-style-type: none"> May not maintain full parking Requires increasing hydraulic opening at the Stride Bridge 	HIGH (EL. 8.6' Change = +7.4' to +9.3')	370 to 415	54	5	15
10A	120 ft bridge, with parking on bridge	Yes (volitional)	Restoration	<ul style="list-style-type: none"> Maintains parking on causeway Requires increasing hydraulic opening at the Stride Bridge 	HIGH (EL. 8.6' Change = +7.3' to +9.3')	370 to 415	54	5	15

*Not all alternatives considered in the current study are shown here. The shown alternatives were selected for detailed study as being representative of a wider range of alternatives.