



# Department of Environmental Protection

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## Comprehensive Review of Revised Water Management Act Permit Requirements, July 1, 2017 Summary of Culvert Removal Projects referenced in Table 9.11 – Habitat Improvements

Location	Cost	Reference
Worthington	\$370,000	Mass Department of Fish and Game and Division of Ecological Restoration, "Economic & Community Benefits from Stream Barrier Removal Projects in Massachusetts Report & Summary", March 2015. Exhibit ES-2; Pages ES-5-6.
Raynham	\$440,000	Mass Department of Fish and Game and Division of Ecological Restoration, "Economic & Community Benefits from Stream Barrier Removal Projects in Massachusetts Report & Summary", March 2015. Exhibit ES-2; Pages ES-5-6.
Westport	\$230,000	Mass Department of Fish and Game and Division of Ecological Restoration, "Economic & Community Benefits from Stream Barrier Removal Projects in Massachusetts Report & Summary", March 2015. Exhibit ES-2; Pages ES-5-6.
Cummington	\$355,000	Stantec, "Conceptual Evaluation for Culvert Replacement: Stage Road Stream Crossing," Cummington, June 2012. Table 3. Page 3-6.
Bronson Brook, Worthington	\$283,499	American Rivers and DER, Massachusetts Stream Crossing Case Studies, Page 19.
Central St Culvert	\$ 860,000	Tighe & Bond, Sawmill Brook Watershed Flood Mitigation Study, Manchester by the Sea, 2016, Page 1.
School St Culvert	\$1,040,000	Tighe & Bond, Sawmill Brook Watershed Flood Mitigation Study, Manchester by the Sea, 2016, Page 1.
Norwood Ave Culvert	\$910,000	Tighe & Bond, Sawmill Brook Watershed Flood Mitigation Study, Manchester by the Sea, 2016, Page 1.
Lincoln St Culvert	\$400,000	Tighe & Bond, Sawmill Brook Watershed Flood Mitigation Study, Manchester by the Sea, 2016, Page 1.
Old School St Culverts	\$220,000	Tighe & Bond, Sawmill Brook Watershed Flood Mitigation Study, Manchester by the Sea, 2016, Page 1.
Lexington, Bikeway	\$128,300	CEI, Preliminary Cost Estimate
Lexington, Concord Ave	\$172,382	CEI, Bid Result Summary
Lexington, Revere St	\$321,300	CEI, Preliminary Cost Estimate
Min (rounded)	\$128,000	
Median (rounded)	\$355,000	
Average (rounded)	\$441,000	
Max	\$1,040,000	