

**PRELIMINARY COST ESTIMATE  
COMPREHENSIVE ENVIRONMENTAL INC.**

**Town of Lexington - Minuteman Bikeway near Camellia Place & Hancock Avenue**

Item No.	Description	Quantity	Unit	Unit Price	Subtotal	Source
	Mob / Demob	1.0	ls	\$5,500.00	\$5,500.00	Concord Ave Bid
	Erosion Control - Compost Filter Sock	130.0	lf	\$11.00	\$1,430.00	Concord Ave Bid
	Clearing and Grubbing Land	1.0	ls	\$2,500.00	\$2,500.00	CEI Estimate
	Tree Removal and Disposal (4"-6")	2.0	ea	\$536.00	\$1,072.00	Means 31 11 10.10 7040
	Tree Removal and Disposal (12")	2.0	ea	\$790.00	\$1,580.00	Means 31 11 10.10 7080
	Pavement Saw Cut/ Removal	45.0	sy	\$8.00	\$360.00	Means 02 41 13.17 5010
	Maintenance and Protection of Traffic (Detour signs & Pedestrian Walkway Protection)	2.0	week	\$2,000.00	\$4,000.00	CEI Estimate
	Temporary Stream Diversion - 18" Diameter HDPE pipe	70.0	lf	\$51.00	\$3,570.00	Pipe Plus, Inc. Leominster, MA
	Temporary Stream Diversion - Jersey concrete barrier 10'Lx2' by 0.5'Wx32"H / Sandbags OR Drive Steel Plates	4.0	ea	\$679.00	\$2,716.00	Means 34 71 13.17 1500
	Existing Granite Block Culvert Removal	34.0	lf	\$50.00	\$1,700.00	CEI Estimate
	Dewatering Labor	2.0	week	\$4,512.00	\$9,024.00	Means Crew B-10I
	Frac Tank with Pump and Hosing	2.0	week	\$5,200.00	\$10,400.00	Rain for Rent
	Box Culvert Subbase Excavation, Hauling/ Storage and Prep	256.0	cy	\$70.00	\$17,920.00	CEI Estimate
	Box Culvert Subbase 3/4" Crushed Stone, Furnish & Install	14.0	cy	\$60.00	\$840.00	CEI Estimate
	Box Culvert Gravel Borrow - Furnish & Install	47.0	cy	\$60.00	\$2,820.00	CEI Estimate
	8' x 6' Precast Concrete Box Culvert including delivery	35.0	lf	\$806.00	\$28,210.00	Concrete Systems Unit Price
	Precast Cutoff Walls	Included in Box Culvert Total				Concrete Systems Unit Price
	Cemented Stone Masonry Wingwalls (90° and 30°)	2.0	ea	\$2,500.00	\$5,000.00	CEI Estimate
	Cemented Stone Masonry Headwalls	1.0	ea	\$1,000.00	\$1,000.00	CEI Estimate
	Designed Streambed Material	16.0	cy	\$100.00	\$1,600.00	Concord Ave Bid
	Bank Rock	10.0	cy	\$120.00	\$1,200.00	CEI Estimate
	Metro Media Cable Utility Bracing	1.0	ls	\$2,500.00	\$2,500.00	CEI Estimate
	MWRA Sewer Line Protection	1.0	ls	\$2,500.00	\$2,500.00	CEI Estimate
	Bank Stabilization - Compost Socks	50.0	lf	\$36.00	\$1,800.00	CEI Streambank Items Estimate
	Road Subbase Material - Gravel Borrow Subbase 12" deep	15.0	cy	\$85.00	\$1,275.00	Concord Ave Bid
	Culvert Crossing Road & Sidewalk Fine Grading	45.0	sy	\$15.00	\$675.00	CEI Estimate
	Bituminous Binder Course 2 1/2" thick	6.0	tons	\$190.00	\$1,140.00	Concord Ave Bid
	Bituminous Top Course 1 1/2" thick	4.0	tons	\$200.00	\$800.00	Concord Ave Bid
	Wooden Guardrail Remove and Reset	70.0	lf	\$15.00	\$1,050.00	MassDOT Weighted Bid Prices
	Disturbed Areas Restoration - Loam & Seed w/ Blanket	120.0	sy	\$20.00	\$2,400.00	CEI Estimate
<b>Overall Project</b>						
	<b>Subtotal for All Items</b>				<b>\$116,590</b>	
	<b>Contingency Percentage-Construction Contingency</b>	<b>10 %</b>			<b>\$11,660</b>	
	<b>Total</b>				<b>\$128,300</b>	