

OPINION OF PROBABLE CONSTRUCTION COSTS
Middlebury River Flood Mitigation Project - Flood Wall Repair and Extension
East Middlebury, Vermont

October 25, 2018

MMI # 5032-02

Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
SITE PREPARATION				
MOBILIZATION / DEMOBILIZATION	LS	1	25,000	25,000
CONSTRUCTION ENTRANCE PADS	EA	1	2,000	2,000
TEMPORARY CONSTRUCTION FENCING	LF	500	3	1,500
TREE PROTECTION	EA	5	100	500
INSTALL EROSION CONTROL SOCK/LOG/FENCE	LS	1	1,000	1,000
CONSTRUCTION STAKING/SURVEY	LS	1	1,000	1,000
WATER CONTROL	LS	1	20,000	20,000
TRAFFIC CONTROL	LS	1	1,000	1,000
PROPOSED FLOOD WALL REPAIR				
FURNISH AND INSTALL PERMANENT SHEETING	SF	1,800	45	81,000
FURNISH AND INSTALL CONCRETE BLOCK AND FLOWABLE FILL	CY	85	300	25,500
REMOVE AND REINSTALL RIPRAP (SUPPLEMENT)	CY	180	100	18,000
MOBILIZE GROUND ANCHOR DRIVER	EA	1	22,000	22,000
FURNISH AND INSTALL GROUND ANCHORS	EA	18	10,000	180,000
PROPOSED FLOOD WALL EXTENSION				
FURNISH AND INSTALL PERMANENT SHEETING	SF	1,500	45	67,500
FURNISH AND INSTALL CALSS B CONCRETE	CY	511	850	434,350
FURNISH AND INSTALL REINFORCING BARS	LBS	17,000	3	42,500
FURNISH AND INSTALL GRAVEL SUBBASE	CY	85	40	3,400
EXCAVATION FOR WALL INSTALLATION	CY	1,320	25	33,000
FURNISH AND INSTALL TYPE IV RIPRAP	CY	356	50	17,800
RESTORATION OF SITES				
RESTORE DRIVEWAYS	EA	2,000	2	4,000
PLACE GRUBBINGS OVER RIPRAP AND SEED	LS	1	2,000	2,000
CONSTRUCTION STABILIZATION SEED AND MULCH	LS	1	1,000	1,000
SUBTOTAL (ROUNDED)				\$ 984,000
BID AND CONSTRUCTION PHASE SERVICES (PART-TIME OVERSIGHT)				\$ 20,000
CONSTRUCTION CONTINGENCY (10%)				\$ 98,000
TOTAL (ROUNDED)				\$ 1,102,000