

Millis, Massachusetts
Forest Road Roadway Improvements
 Construction Estimate-Phase III
 12+50 to Sta.48+50 (To Town Line)
 (3600lf x 22lf of Road)

02/15/12

Description	Unit	Unit Cost	Quantity	Cost
<u>Drainage System</u>				
12" RCP	L.F.	\$35.00	120	\$4,200.00
18" RCP Culvert	L.F.	\$75.00	50	\$3,750.00
Headwalls	EA	\$3,000.00	2	\$6,000.00
4'5'Dia. Leaching Catch Basin	EA	\$3,000.00	12	\$36,000.00
2" Trench Paving	L.F.	\$12.00	170	\$2,040.00
			Drain Total	\$51,990.00
<u>Road Reconstruction</u>				
Reclamation	S.Y.	\$6.00	8800	\$52,800.00
Unclassified Excavation*	C.Y.	\$20.00	100	\$2,000.00
Gravel Borrow*	C.Y.	\$20.00	100	\$2,000.00
Fine Grading	S.Y.	\$1.50	7822	\$11,733.00
1 1/2" Top Course Paving	TONS	\$80.00	790	\$63,200.00
2 1/2" Binder Course Paving	TONS	\$80.00	1320	\$105,600.00
Hand Paving	TONS	\$150.00	50	\$7,500.00
Monolithic Bit Berm	L.F.	\$2.00	7000	\$14,000.00
			Road Total	\$258,833.00
<u>Water System</u>				
8" Ductile Iron Pipe	L.F.	\$60.00	3600	\$216,000.00
6" Ductile Iron Pipe	L.F.	\$50.00	100	\$5,000.00
8" Gate Valves	EA	\$2,500.00	5	\$12,500.00
6" Gate Valves	EA	\$2,000.00	8	\$16,000.00
Hydrants	EA	\$3,000.00	8	\$24,000.00
1" Copper Tubing	L.F.	\$35.00	225	\$7,875.00
1" Corporation Taps	EA	\$500.00	10	\$5,000.00
1" Curbstops	EA	\$300.00	10	\$3,000.00
Abandon Exist. Water System	L.S.	\$1,000.00	1	\$1,000.00
2" Trench Paving	L.F.	\$12.00	3930	\$47,160.00
			Water Total	\$337,535.00
<u>Misc. Items</u>				
Rock Excavation*	C.Y.	\$80.00	50	\$4,000.00
Police-30dx2eax9hr	M.H.	\$48.00	540	\$25,920.00
Loam/Seed	S.Y.	\$5.00	1000	\$5,000.00
Misc. Work	L.S.	\$5,000.00	1	\$5,000.00
Mobilization	L.S.	\$10,000.00	1	\$10,000.00
Traffic Control	L.S.	\$2,500.00	1	\$2,500.00
Haybales/Siltfence	EA	\$10.00	1000	\$10,000.00
			Misc. Total	\$62,420.00
* Indeterminate quantity				

CONSTRUCTION COST SUBTOTAL	\$710,778.00
10% CONST. CONTINGENCIES	\$71,077.80
SubTotal	\$781,855.80
ENGINEERING DESIGN/BID	\$12,500.00
CONSTRUCTION ADMIN./INSPECTION	\$29,600.00
PERMITS-CONCOM/STORMWATER/ETC	\$3,500.00
TOTAL ESTIMATED COST	\$827,455.80