

OPINION OF PROBABLE ON-SITE CONSTRUCTION COSTS

Date: December 23, 2011
Project: Wilshire Hills - Phase I - Public Improvements
Description: Construction Contract (does not include mitigation costs)

Revised Date:

Prepared by: Engineering Surveys & Services
 1113 Fay Street, Columbia, MO 65201
 Phone: (573) 449-2646 Fax: (573) 499-1499

Project No.: 11532

	Quantity	Unit	Unit Cost	Total
Earthwork				
Site Prep., Clearing, Grubbing, Stump Removal (chip on site)	24.0	Acres	\$3,500.00	\$84,000.00
Strip Topsoil (6") & Stockpile	19,360	C.Y.	\$2.00	\$38,720.00
Respread Topsoil	19,360	C.Y.	\$2.00	\$38,720.00
On-Site Excavation & Placement, Compaction	93,000	C.Y.	\$3.00	\$279,000.00
Fine Grading (Stream Restoration)	1,600	S.Y.	\$0.60	\$960.00
Proof-Roll Subgrade Roadway	4,200	S.Y.	\$0.65	\$2,730.00
Rock Excavation				
Trench Rock	100	C.Y.	\$100.00	\$10,000.00
Sub-total				\$454,130.00

Erosion Control System

Silt Fence - Reinforced (incl. Maintenance)	1,960	L.F.	\$6.00	\$11,760.00
Tree Protection Barrier	1,610	L.F.	\$5.00	\$8,050.00
Construction Entrance/Exit	1	EACH	\$2,700.00	\$2,700.00
Temporary Rip-Rap	492	Tons	\$47.00	\$23,124.00
Temporary Sediment Trap (incl. Maintenance)	9	EACH	\$1,000.00	\$9,000.00
Rock Filter Dam (incl. Maintenance)	1	EACH	\$500.00	\$500.00
Diversion Ditch	2,428	L.F.	\$3.20	\$7,769.60
Erosion Control Blanket (SC250)	12,092	S.Y.	\$2.00	\$24,184.00
Temporary Inlet Protection	7	EACH	\$400.00	\$2,800.00
Temporary Grassing	24.0	Acres	\$1,050.00	\$25,200.00
Grade Control Structures	10.0	EACH	\$8,120.00	\$81,200.00
Sub-total				\$196,287.60

Storm Sewer

15" HDPE	63	L.F.	\$29.00	\$1,827.00
18" HDPE	455	L.F.	\$27.00	\$12,285.00
24" HDPE	594	L.F.	\$34.00	\$20,196.00
30" HDPE	116	L.F.	\$42.00	\$4,872.00
36" HDPE	27	L.F.	\$58.00	\$1,583.40
Headwall (Downstream)	15	C.Y.	\$500.00	\$7,500.00
Triple Box Culvert	50	L.F.	\$3,350.00	\$167,500.00
Headwall (Upstream & Downstream)	136	C.Y.	\$500.00	\$68,000.00
Rip Rap	900	Tons	\$47.00	\$42,300.00
Sub-total				\$326,063.40

Drainage Structures

15" CMP FES	1	EACH	\$750.00	\$750.00
18" CMP FES	2	EACH	\$800.00	\$1,600.00
24" CMP FES	3	EACH	\$850.00	\$2,550.00
36" CMP FES	1	EACH	\$900.00	\$900.00
Field Inlet 5' x 5' (14' deep)	1	EACH	\$5,000.00	\$5,000.00
Field Inlet 5' x 5' (23' deep)	1	EACH	\$3,500.00	\$3,500.00
Curb Inlet 4' x 4' - Type 3 (6' deep)	1	EACH	\$3,500.00	\$3,500.00
Curb Inlet 4' x 4' Type 3 - (7' deep)	1	EACH	\$3,500.00	\$3,500.00
Curb Inlet 5' x 4' (13' deep)	1	EACH	\$4,000.00	\$4,000.00

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	Quantity	Unit	Unit Cost	Total
Curb Inlet 8' x 4' Type 3 - (6' deep)	1	EACH	\$5,000.00	\$5,000.00
Curb Inlet 8' x 4' - Type 3 (7' deep)	1	EACH	\$5,000.00	\$5,000.00
Junction Box 2.5' x 2.5'	2	EACH	\$2,040.00	\$4,080.00
Junction Box 3' x 3'	2	EACH	\$2,040.00	\$4,080.00
Junction Box 4' x 4'	4	EACH	\$2,135.00	\$8,540.00
Junction Box 5' x 5' (12' deep)	1	EACH	\$4,000.00	\$4,000.00
Sub-total				\$56,000.00

Miscellaneous

Relocate Stream at Road Crossing	1.0	LUMP SUM	\$70,000.00	\$70,000.00
Permanent Seeding, Mulching, etc.	25.0	Acres	\$2,340.00	\$58,500.00
Fence	180.0	L.F.	\$12.00	\$2,160.00
Roadway Lighting (Bases, Wiring, etc.)	3	EACH	\$4,540.00	\$13,620.00
Street Signage (Stop, Etc.)	2	EACH	\$200.00	\$400.00
Street Name Sign	2	EACH	\$150.00	\$300.00
Sub-total				\$144,980.00

Water Service

8" PVC C-900	975	L.F.	\$20.00	\$19,500.00
8" Ductile Iron	110	L.F.	\$27.00	\$2,970.00
8" Gate Valve & Box	5	EACH	\$1,200.00	\$6,000.00
Fire Hydrant Assembly (includes gate valve & box)	4	EACH	\$3,200.00	\$12,800.00
8" Fittings (bends, reducers, etc.)	14	EACH	\$260.00	\$3,640.00
8" Tees	5	EACH	\$600.00	\$3,000.00
Testing & Disinfection	1	LUMP SUM	\$4,500.00	\$4,500.00
Thrust Block	15	EACH	\$130.00	\$1,950.00
Sub-total				\$54,360.00

Sanitary Sewer

8" PVC-SDR26	395	L.F.	\$31.00	\$12,245.00
8" PVC-SDR21	345	L.F.	\$33.50	\$11,557.50
Pre-Cast Manholes (5'-15')	3	EACH	\$3,600.00	\$10,800.00
Pre-Cast Manholes (15'-20')	3	EACH	\$6,000.00	\$18,000.00
Tap Existing Manhole	1	EACH	\$1,500.00	\$1,500.00
Sub-total				\$54,102.50

Paving

Heavy Duty Concrete (incl. base)	4,200	S.Y.	\$40.00	\$168,000.00
6" Integral Curb	1,932	L.F.	\$10.50	\$20,286.00
5' Concrete Sidewalk	1,932	L.F.	\$25.00	\$48,300.00
Sidewalk ADA Ramps	3	EACH	\$700.00	\$2,100.00
Sub-total				\$238,686.00

TOTAL				\$1,524,609.50
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