



OPINION OF PROBABLE COSTS
Broken Arrow Tiger Hill Retaining Wall

9/21/2018

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Structural Items	Item No.	Quantity	Unit	Unit Cost	Item Cost
CLSM Backfill	501(G) 6309	200	CY	\$175.00	\$35,000
Structural Steel	506(A) 1322	354,260	LB	\$1.60	\$566,816
Class C Concrete	509(D) 0325	88	CY	\$300.00	\$26,400
Retaining Wall	510(A) 6334	1,780	SY	\$300.00	\$534,000
(SP) Graffiti Treatment	510(D) 0350	14,990	SF	\$2.50	\$37,475
(PL) Pilot Holes	514(K) 6260	2,038	LF	\$175.00	\$356,650
8" Perforated Pipe Underdrain Round	613(H) 0500	1,020	LF	\$15.00	\$15,300
Removal of Concrete Pavement	619(B) 4727	455	SY	\$5.00	\$2,275
Total Bridge Items:					\$1,573,916

Stormwater Items	Item No.	Quantity	Unit	Unit Cost	Item Cost
Nyloplast 24" Drain Basin w/Standard H-20 Rated Grate (Part No. 2824AG01)		1	EA	\$1,800.00	\$1,800
Nyloplast Concrete Area Inlet with Base Plate and Dog Box		1	EA	\$3,000.00	\$3,000
15" HDPE Pipe	616(P)	48	LF	\$25.00	\$1,200
Total Stormwater Items:					\$6,000

Paving Items	Item No.	Quantity	Unit	Unit Cost	Item Cost
Class A Concrete (Paved Ditches Behind Walls)	509(B) 321	237	CY	\$600.00	\$142,200
Total Paving Items:					\$142,200

Earthwork Items*	Item No.	Quantity	Unit	Unit Cost	Item Cost
Embankment	202(F) 0110	7,682	CY	\$3.50	\$26,887
Unclassified Excavation	202(A) 0183	563	CY	\$5.00	\$2,815
Type A-Salvaged Topsoil	205(A) 4229	1	LSUM	\$4,850.00	\$4,850
Seeding Method A	232(A) 2813	0.41	AC	\$1,000.00	\$410
Total Earthwork Items:					\$34,962

*Note: All earthwork quantities are calculated within 5 feet of the face of the proposed lower retaining wall. All other earthwork quantity calculations needed beyond 5 feet of the face of the proposed lower retaining wall are the sole responsibility of the developer.

Miscellaneous Items	Item No.	Percent / Formula	Item Cost
(percentages of Construction Total)			
Mobilization	641 1552	10%	\$175,707.80
Total Miscellaneous Items:			\$175,708

Construction Cost	Item Cost
Total Structural Items	\$1,573,916
Total Stormwater Items	\$6,000
Total Paving Items	\$142,200
Total Earthwork Items	\$34,962
Total Miscellaneous Items	\$175,708
Total Construction Cost:	\$1,932,786