



## 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
<b>Total Bridge Items:</b>					<b>\$1,573,916</b>
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
<b>Total Stormwater Items:</b>					<b>\$6,000</b>
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
<b>Total Paving Items:</b>					<b>\$142,200</b>
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
<b>Total Earthwork Items:</b>					<b>\$34,962</b>
*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
<b>Total Miscellaneous Items:</b>					<b>\$175,708</b>
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
<b>Total Construction Cost:</b>					<b>\$1,932,786</b>