

Client: City of Grand Prairie, Texas
Project: Water Utilities Facility Improvements - Phase 2
Material Storage Bunker Building

Date: 16-Jul-19

By: JRC

ENGINEER'S OPINION OF CONSTRUCTION COST

Item No.	Description	Quantity	Unit	Price	Amount
1	Site Preparation, Clearing & Grubbing	0.65	Ac.	\$ 50,000.00	\$ 32,500.00
2	Construct Unclassified Excavation (Building, Wall, Pavement & Channel)	540	C.Y.	\$ 27.00	\$ 14,580.00
3	Construct Unclassified Embankment (Fill)	820	C.Y.	\$ 35.00	\$ 28,700.00
4	Construct 8-inch Reinforced Concrete Pavement	1,751	S.Y.	\$ 68.00	\$ 119,068.00
5	Construct 8-inch Flexible Base Subgrade (TxDOT Item 247)	395	C.Y.	\$ 110.00	\$ 43,450.00
6	Dowel Into Existing Reinforced Concrete Pavement	218	L.F.	\$ 15.00	\$ 3,270.00
7	Construct Material Storage Bunker Building	1	L.S.	\$ 790,000.00	\$ 790,000.00
8	Construct 3' Wide x 5" Thick Reinf. Concrete Mow Strip	667	S.F.	\$ 10.00	\$ 6,670.00
9	Furnish & Install Precast Concrete Safety Barrier	80	L.F.	\$ 135.00	\$ 10,800.00
10	Construct TxDOT Type RW 1 (L) C Retaining Wall	743	S.F.	\$ 67.00	\$ 49,781.00
11	Connect to Existing 5'x 5' Drop Inlet, Remove Top and Extend with Manhole Frame & Cover	1	Ea.	\$ 8,000.00	\$ 8,000.00
12	Connect to Existing Storm Drain Junction Box	2	Ea.	\$ 2,000.00	\$ 4,000.00
13	Furnish & Install 18" Class III RCP with Cement Stabilized Embedment	83	L.F.	\$ 130.00	\$ 10,790.00
14	Construct 4' x 4' Drop Wye Inlet with Concrete Apron	1	Ea.	\$ 8,500.00	\$ 8,500.00
15	Construct Six-Grate Inlet	2	Ea.	\$ 10,000.00	\$ 20,000.00
16	Construct 24" Drilled Shaft or Column for Foundation	480	V.F.	\$ 120.00	\$ 57,600.00
17	Construct 30" Drilled Shaft or Column for Foundation	192	V.F.	\$ 150.00	\$ 28,800.00
18	Design and Implement SWPPP	1	L.S.	\$ 1,000.00	\$ 1,000.00
19	Furnish & Install Silt Fence for Erosion Control	300	L.F.	\$ 2.00	\$ 600.00
20	Remove & Dispose of Silt Fence	300	L.F.	\$ 1.00	\$ 300.00
21	Furnish & Install Inlet Protection Device	3	Ea.	\$ 500.00	\$ 1,500.00

BIRKHOFF, HENDRICKS & CARTER, L.L.P.
PROFESSIONAL ENGINEERS
Texas Firm 526

Project No. 2019114

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Item No.	Description	Quantity	Unit	Price	Amount
22	Remove Inlet Protection Device	3	Ea.	\$ 50.00	\$ 150.00
23	Design and Provide Trench Safety Systems	83	L.F.	\$ 5.00	\$ 415.00
24	Furnish, Install and Maintain Block Sod	685	S.Y.	\$ 12.00	\$ 8,220.00
25	Furnish, Install and Maintain Concrete Truck Wash Area (And Remove)	1	L.S.	\$ 3,000.00	\$ 3,000.00
26	Furnish & Install Project Sign	1	Ea.	\$ 800.00	\$ 800.00
					\$ -
	Subtotal:				\$ 1,252,494.00
	Contingencies and Miscellaneous Items:	0%			\$ -
	Total:				\$ 1,252,494.00
	USE (Roundup to Nearest \$10,000):				\$ 1,260,000.00