Attachment A

AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

Elizabeth Wright, P.E., of lawful age, being first duly sworn upon her oath, states:

1. I am the City Engineer for the City of Olathe, Kansas.

2. The attached detailed estimate of the cost for the Lake Side Acres Street Reconstruction Project, PN 3-R-002-20; the Lake Side Acres Sanitary Sewer Rehabilitation Project, PN 1-R-104-17; and the Stevenson Street Stormwater Improvements Project, PN 2-C-014-18 is attached and I am providing the estimate of the cost under oath (Exhibit A).

Elizabeth Wright

Subscribed in my presence and sworn under oath before me this 5th day of February, 2020.

LINDA M. WOLLSCHLAGER
My Appointment Expires
January 3, 2023

Linda M Wollschlager
Notary Public

My Appointment Expires

January 3, 2023

HNTB

Date: February 4, 2020

CITY OF OLATHE KANSAS
Stevenson St (Grace Terrace to Oak Street) Stormwater Improvements
Lake Side Acres Street Reconstruction Project
Lake Side Acres Sanitary Sewer Improvements
City Project No. 2-C-014-18, 3-R-002-20, 1-R-104-17
Johnson County SMP Project No. MC-09-028
Engineer's Construction Cost Estimate

			Stevenson St (Grace Terrace to Oak Street) Stormwater Improvements City No. 2-C-014-18 / SMP No. MC-09-028			Lake Side Acres Street Reconstruction Project City Project No. 3-R-002-20			Lake Side Acres Street Reconstruction Project Bid Alternate / Optional Work (Curtis Street) City Project No. 3-R-002-20			Lake Side Acres Sanitary Sewer Improvements City Project No. 1-R-104-17		
ITEM DESCRIPTION	UNIT	UNIT PRICE	NO.	TOTAL	TOTAL COST	NO.	TOTAL	TOTAL COST	NO.	TOTAL	TOTAL COST	NO.	TOTAL	TOTAL COST
Mobilization	LS	-	1	1	$ 85,400.00	100	1	$ 57,300.00	200	1	$ 6,100.00	300	1	$ 16,600.00
Clearing and Grubbing	LS	-	2	1	$ 32,500.00	101	1	$ 5,000.00		0	$ -		0	$ -
Remove Existing Pavement	SY	$ 20.00	3	2,077	$ 41,540.00	102	4,202	$ 84,040.00		0	$ -		0	$ -
Remove Existing Driveway	SY	$ 40.00	4	747	$ 29,880.00	103	1,172	$ 46,880.00		0	$ -	301	119	$ 4,760.00
Remove Existing Curb	LF	$ 14.00	5	86	$ 1,204.00	104	2,445	$ 34,230.00	201	648	$ 9,072.00		0	$ -
Remove Existing Sidewalk	LF	$ 12.00		0	$ -	105	741	$ 8,892.00		0	$ -		0	$ -
Remove Existing Structures	LS	-	6	1	$ 62,684.50	106	1	$ 8,000.00	202	1	$ 2,000.00	302	1	$ 25,670.00
Contractor Construction Staking	LS	-	7	1	$ 15,000.00	107	1	$ 15,000.00	203	1	$ 2,500.00	303	1	$ 2,500.00
Unclassified Excavation	CY	$ 22.00	8	780	$ 17,160.00	108	3,618	$ 79,596.00		0	$ -		0	$ -
Compaction of Earthwork (All Types)	CY	$ 8.00		0	$ -	109	137	$ 1,096.00		0	$ -		0	$ -
Subgrade Repair (Geogrid) (Est.)	SY	$ 12.00	9	2,426	$ 29,112.00	110	3,320	$ 39,840.00		0	$ -		0	$ -
Cold Milling (2")	SY	$ 4.00		0	$ -	111	4,569	$ 18,276.00	204	883	$ 3,532.00		0	$ -
2" Asphaltic Surface (BM-2FR)	TON	$ 90.00	10	218	$ 19,620.00	112	981	$ 88,290.00	205	105	$ 9,450.00		0	$ -
6" Asphaltic Base (BM-2BFR)	TON	$ 85.00	11	651	$ 55,335.00	113	1,308	$ 111,180.00		0	$ -		0	$ -
6" Aggregate Base Course (Modified AB-3)	TON	$ 30.00	12	1,187	$ 35,610.00	114	1,495	$ 44,850.00		0	$ -		0	$ -
Full Depth Street Patch	SY	$ 75.00	13	194	$ 14,550.00	115	527	$ 39,525.00	206	194	$ 14,550.00		0	$ -
Full Depth Crack Repair	SY	$ 55.00		0	$ -	116	162	$ 8,910.00	207	33	$ 1,815.00		0	$ -
Curb and Gutter, Combined (Type A)	LF	$ 27.00	14	1,383	$ 37,341.00	117	2,966	$ 80,082.00	208	648	$ 17,496.00		0	$ -
Curb and Gutter, Combined (Type B)	LF	$ 27.00		0	$ -	118	2,043	$ 55,161.00		0	$ -		0	$ -
Curb and Gutter, Combined (Type C)	LF	$ 27.00		0	$ -	119	384	$ 10,368.00		0	$ -		0	$ -
4" Concrete Sidewalk	SF	$ 6.00	15	2,410	$ 14,460.00	120	8,739	$ 52,434.00		0	$ -		0	$ -
Type I ADA Ramp	EA	$ 1,500.00		0	$ -	121	9	$ 13,500.00		0	$ -		0	$ -
Type III ADA Ramp	EA	$ 3,000.00		0	$ -	122	5	$ 15,000.00		0	$ -		0	$ -
6" Concrete Driveway (Residential)	SY	$ 56.00	16	725	$ 40,600.00	123	1,051	$ 58,856.00		0	$ -	304	90	$ 5,040.00
7" Concrete Driveway (Commercial)	SY	$ 70.00	17	34	$ 2,380.00	124	171	$ 11,970.00		0	$ -	305	42	$ 2,940.00
Adjust Existing Sanitary Sewer Manhole	EA	$ 1,500.00	18	1	$ 1,500.00		0	$ -		0	$ -		0	$ -
Adjust Existing Water Riser	EA	$ 1,000.00	19	6	$ 6,000.00	125	9	$ 9,000.00		0	$ -		0	$ -
Relocate Existing Water Meter	EA	$ 5,000.00		0	$ -		0	$ -		0	$ -	306	3	$ 15,000.00
Relocate Fire Hydrant Assembly	EA	$ 5,000.00		0	$ -	126	1	$ 5,000.00		0	$ -		0	$ -
Inlet (6' x 3') (Curb)	EA	$ 4,500.00	20	11	$ 49,500.00		0	$ -		0	$ -		0	$ -
Inlet (6' x 4') (Curb)	EA	$ 5,500.00	21	6	$ 33,000.00		0	$ -		0	$ -		0	$ -
Inlet (6' x 4') (Curb) (Non-Setback)	EA	$ 5,755.00	22	2	$ 11,510.00		0	$ -		0	$ -		0	$ -
Inlet (8' x 3') (Curb)	EA	$ 6,400.00	23	1	$ 6,400.00		0	$ -		0	$ -		0	$ -
Inlet (8' x 4') (Curb)	EA	$ 6,800.00	24	4	$ 27,200.00		0	$ -		0	$ -		0	$ -
Inlet (4' x 4') (Area)	EA	$ 6,000.00	25	1	$ 6,000.00		0	$ -		0	$ -		0	$ -
Storm Sewer (15" RCP) (RCP Class III)	LF	$ 80.00	26	21	$ 1,680.00		0	$ -		0	$ -		0	$ -
Storm Sewer (18" RCP) (RCP Class III)	LF	$ 90.00	27	1,289	$ 116,010.00		0	$ -		0	$ -		0	$ -
Storm Sewer (24" RCP) (RCP Class III)	LF	$ 120.00	28	163	$ 19,560.00		0	$ -		0	$ -		0	$ -
Storm Sewer (30" RCP) (RCP Class III)	LF	$ 150.00	29	7	$ 1,050.00		0	$ -		0	$ -		0	$ -
Concrete (Grade 4.0) (RCB)	CY	$ 1,200.00	30	32	$ 38,400.00		0	$ -		0	$ -		0	$ -
Concrete (Grade 4.0)(AE) (RCB)	CY	$ 1,000.00	31	13	$ 13,000.00		0	$ -		0	$ -		0	$ -
Precast 10'x3' RCB	LF	$ 1,082.00	32	757	$ 819,074.00		0	$ -		0	$ -		0	$ -
Bridge Backwall Protection System (RCB)	SY	$ 40.00	33	939	$ 37,560.00		0	$ -		0	$ -		0	$ -
Reinforcing Steel (Grade 60) (RCB)	LB	$ 1.50	34	1,636	$ 2,454.00		0	$ -		0	$ -		0	$ -
Reinforcing Steel (Grade 60)(Epoxy Coated) (RCB)	LB	$ 2.00	35	4,739	$ 9,478.00		0	$ -		0	$ -		0	$ -
Foundation Stabilization (RCB)	CY	$ 75.00	36	229	$ 17,175.00		0	$ -		0	$ -		0	$ -
Concrete for Seal Course (Set) (RCB)	CY	$ 175.00	37	1	$ 175.00		0	$ -		0	$ -		0	$ -
Granular Backfill (Wingwalls) (RCB)	CY	$ 80.00	38	37	$ 2,960.00		0	$ -		0	$ -		0	$ -
Handrail (Metal) (3'-6") (RCB Wingwalls)	LF	$ 200.00	39	69	$ 13,800.00		0	$ -		0	$ -		0	$ -
Slope Protection (Riprap Stone)(200 lb)	CY	$ 95.00	40	862	$ 81,890.00		0	$ -		0	$ -		0	$ -
Slope Protection (Riprap Stone)(1/4 Ton)	CY	$ 95.00	41	75	$ 7,125.00		0	$ -		0	$ -		0	$ -
Bedding for Slope Protection	CY	$ 70.00	42	231	$ 16,170.00		0	$ -		0	$ -		0	$ -
End Section (12" RC)	EA	$ 1,700.00	43	1	$ 1,700.00		0	$ -		0	$ -		0	$ -
End Section (24" RC)	EA	$ 2,400.00	44	2	$ 4,800.00		0	$ -		0	$ -		0	$ -
Concrete Pipe Collar (15" RCP)	EA	$ 900.00	45	1	$ 900.00		0	$ -		0	$ -		0	$ -
Sanitary Sewer (8") (PVC SDR 26)	LF	$ 130.00	46	636	$ 82,680.00		0	$ -		0	$ -		0	$ -
Sanitary Sewer (12") (PVC SDR 26)	LF	$ 150.00	47	172	$ 25,800.00		0	$ -		0	$ -	307	136	$ 20,400.00
Sanitary Sewer (8") (HDPE DR 11) (Pipe Burst)	LF	$ 290.00		0	$ -		0	$ -		0	$ -	308	471	$ 136,590.00
Sanitary Sewer (8") (PVC SDR 26 or Pipe Burst)	LF	$ 200.00		0	$ -		0	$ -		0	$ -	309	388	$ 77,600.00
Sanitary Sewer Service Line (6")(Est.)	LF	$ 90.00	48	424	$ 38,160.00		0	$ -		0	$ -	310	215	$ 19,350.00

HNTB | Date: **February 4, 2020**

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ITEM DESCRIPTION	**UNIT**	**UNIT PRICE**	**NO.**	**TOTAL**	**TOTAL COST**	**NO.**	**TOTAL**	**TOTAL COST**	**NO.**	**TOTAL**	**TOTAL COST**	**NO.**	**TOTAL**	**TOTAL COST**
Casing Pipe (20") (Steel) (Bored)	LF	$ 600.00		0	$ -		0	$ -		0	$ -	311	100	$ 60,000.00
Install Concrete Encasement (Sanitary)	LF	$ 125.00	49	88	$ 11,000.00		0	$ -		0	$ -		0	$ -
Manhole (Sanitary) (4' Dia.)	EA	$ 6,500.00	50	5	$ 32,500.00		0	$ -		0	$ -	312	5	$ 32,500.00
Waterline (6")	LF	$ 110.00	51	150	$ 16,500.00	127	222	$ 24,420.00		0	$ -		0	$ -
Waterline (8")	LF	$ 130.00		0	$ -	128	93	$ 12,090.00		0	$ -		0	$ -
Waterline (12")	LF	$ 150.00		0	$ -	129	1,463	$ 219,450.00	209	307	$ 46,050.00		0	$ -
3/4" Type "K" Copper Service Line	LF	$ 60.00	52	359	$ 21,540.00	130	228	$ 13,680.00	210	228	$ 13,680.00		0	$ -
Gate Valve (6")	EA	$ 1,500.00	53	1	$ 1,500.00	131	2	$ 3,000.00		0	$ -		0	$ -
Gate Valve (8")	EA	$ 2,000.00		0	$ -	132	1	$ 2,000.00		0	$ -		0	$ -
Gate Valve (12")	EA	$ 3,000.00		0	$ -	133	5	$ 15,000.00		0	$ -		0	$ -
Fire Hydrant Assembly	EA	$ 5,500.00	54	1	$ 5,500.00	134	2	$ 11,000.00	211	1	$ 5,500.00		0	$ -
Street Lighting Installation	LS	-		0	$ -	135	1	$ 125,000.00	212	1	$ 17,000.00		0	$ -
Permanent Signing	LS	-		0	$ -	136	1	$ 2,500.00		0	$ -		0	$ -
SMP Project Sign	EA	$ 600.00	55	2	$ 1,200.00		0	$ -		0	$ -		0	$ -
Street Maintenance Sales Tax Sign	EA	$ 250.00		0	$ -	137	2	$ 500.00		0	$ -		0	$ -
Erosion and Sediment Control	LS	-	56	1	$ 18,000.00	138	1	$ 5,000.00	213	1	$ 2,000.00	313	1	$ 2,000.00
Temporary Seeding and Hydraulic Mulching	AC	$ 2,000.00	57	2	$ 4,000.00	139	2	$ 4,000.00	214	1	$ 2,000.00	314	1	$ 2,000.00
Sodding	SY	$ 6.00	58	5,367	$ 32,202.00	140	6,093	$ 36,558.00	215	263	$ 1,578.00	315	1,327	$ 7,962.00
Traffic Control	LS	-	59	1	$ 10,000.00	141	1	$ 12,500.00	216	1	$ 5,000.00		0	
Temporary 6" Aggregate Base Course (Modified AB-3)	SY	$ 10.00	60	962	$ 9,620.00		0	$ -		0	$ -		0	$ -
Fencing (6' Wood Privacy Fence)	LF	$ 45.00	61	191	$ 8,595.00		0	$ -		0	$ -		0	$ -
Fencing (6' Chain Link Fence)	LF	$ 40.00	62	74	$ 2,960.00		0	$ -		0	$ -		0	$ -
Fencing (4' Chain Link Fence)	LF	$ 30.00	63	299	$ 8,970.00		0	$ -		0	$ -		0	$ -
Fencing (4' Split Rail Wood Fence)	LF	$ 40.00	64	257	$ 10,280.00		0	$ -		0	$ -		0	$ -
Construction Cost (2020 Dollars)					**$ 2,221,454.50**			**$ 1,488,974.00**			**$ 159,323.00**			**$ 430,912.00**
Total Construction Cost														**$ 4,300,663.50**

Note: Note: All Unit Prices based on 2020 values. The costs shown on this estimate represent an estimate of probable costs prepared in good faith and with reasonable care. HNTB has no control over the costs of construction labor, materials, or equipment, nor over competitive bidding or negotiating methods and does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from this estimate. Total project cost does not include staff time or construction inspection.

ZACHARY AARON JARCHOW
LICENSED
25715
KANSAS
PROFESSIONAL ENGINEER

1/4/20