AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
COUNTY OF JOHNSON)

Nathan Baldwin, P.E., of lawful age, being first duly sworn upon his oath, states:

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

2. The attached detailed estimate of the cost for the Sheridan Street Arterial Mill and Overlay Project, PN 3-P-003-24, East Sheridan Street and South Clairborne Road Waterline Improvements, PN 5-R-002-22, and Santa Fe Street Arterial Mill and Overlay Projects, PN 3-P-004-24 is attached and I am providing the estimate of the cost under oath (Exhibit A).

Nathan Baldwin

Subscribed in my presence and sworn under oath before me this 20th day of March, 2024.

Stephani C. Stark
Notary Public

My Appointment Expires
August 19, 2024

STATE OF KANSAS NOTARY PUBLIC
STEPHANI C. STARK
My Appointment Expires
August 19, 2024

HNTB

CITY OF OLATHE, KANSAS
Sheridan Street Arterial Mill and Overlay Project (Dennis Avenue to Mur-Len Road)
City Project No. 3-P-003-24
Engineer's Estimate **Date: March 12, 2024**

NO.	ITEM DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
	Sheridan Street Improvements				
101	Mobilization	LS	1	$ 75,000.00	$ 75,000.00
102	Contractor Construction Staking	LS	1	$ 15,000.00	$ 15,000.00
103	Milling (2")	SY	26,227	$ 3.00	$ 78,681.00
104	Asphaltic Surface (KCMMB A2) (2") (Alternate)	TONS	3,099	$ 105.00	$ 325,395.00
105	Aggregate Base Course (Modified AB-3) (4") (Sidewalk)	TONS	492	$ 80.00	$ 39,360.00
106	Crack Repair (6" Depth)	SY	1,311	$ 110.00	$ 144,210.00
107	Asphalt Base Repair (4" Depth)	SY	760	$ 85.00	$ 64,600.00
108	Remove Concrete Sidewalk (3')	LF	5	$ 17.00	$ 85.00
109	Remove Concrete Sidewalk (4')	LF	2,738	$ 18.00	$ 49,284.00
110	Remove Concrete Sidewalk (5')	LF	288	$ 20.00	$ 5,760.00
111	Remove Concrete Sidewalk (8')	LF	526	$ 25.00	$ 13,150.00
112	Remove Concrete Trail (10')	LF	12	$ 30.00	$ 360.00
113	Remove Asphalt Trail (10')	LF	137	$ 30.00	$ 4,110.00
114	Remove Type A Curb & Gutter	LF	475	$ 15.00	$ 7,125.00
115	Remove Type A-1 Curb & Gutter	LF	140	$ 15.00	$ 2,100.00
116	Remove Type B Curb & Gutter	LF	1,369	$ 15.00	$ 20,535.00
117	Remove Type C Curb & Gutter	LF	139	$ 15.00	$ 2,085.00
118	Remove Type E Curb & Gutter	LF	175	$ 15.00	$ 2,625.00
119	Remove ADA Ramp (Type I)	EA	4	$ 700.00	$ 2,800.00
120	Remove ADA Ramp (Type II)	EA	3	$ 750.00	$ 2,250.00
121	Remove ADA Ramp (Type III)	EA	8	$ 800.00	$ 6,400.00
122	Remove Concrete Drive Pavement (7")	SY	297	$ 50.00	$ 14,850.00
123	Remove Colored Stamped Concrete (8")	SY	65	$ 35.00	$ 2,275.00
124	Concrete Sidewalk (3')	LF	5	$ 30.00	$ 150.00
125	Concrete Sidewalk (4')	LF	1,097	$ 35.00	$ 38,395.00
126	Concrete Sidewalk (5')	LF	288	$ 40.00	$ 11,520.00
127	Concrete Sidewalk (8')	LF	2,167	$ 60.00	$ 130,020.00
128	Concrete Trail (10')	LF	149	$ 75.00	$ 11,175.00
129	Type A Curb & Gutter	LF	475	$ 40.00	$ 19,000.00
130	Type A-1 Curb & Gutter	LF	140	$ 40.00	$ 5,600.00
131	Type B Curb & Gutter	LF	1,369	$ 40.00	$ 54,760.00
132	Type C Curb & Gutter	LF	139	$ 40.00	$ 5,560.00
133	Type E Curb & Gutter	LF	175	$ 40.00	$ 7,000.00
134	ADA Ramp (Type I) (4')	EA	1	$ 2,000.00	$ 2,000.00
135	ADA Ramp (Type I) (8')	EA	3	$ 2,250.00	$ 6,750.00
136	ADA Ramp (Type II) (4')	EA	1	$ 2,250.00	$ 2,250.00
137	ADA Ramp (Type II) (8')	EA	2	$ 2,500.00	$ 5,000.00
138	ADA Ramp (Type III) (8')	EA	8	$ 2,750.00	$ 22,000.00
139	Concrete Drive Pavement (7")	SY	416	$ 100.00	$ 41,600.00
140	Colored Stamped Concrete (8")	SY	65	$ 110.00	$ 7,150.00
141	Remove and Replace Curb Inlet Top with Cantilevered Lid (Street)	EA	1	$ 3,600.00	$ 3,600.00
142	Bike Rack Pad (7")	SF	201	$ 12.00	$ 2,412.00
143	Bike Garden Bike Rack, Configuration A	EA	1	$ 1,250.00	$ 1,250.00
144	Bike Garden Bike Rack, Configuration B	EA	1	$ 1,500.00	$ 1,500.00
145	Sodding	SY	1,375	$ 10.00	$ 13,750.00
146	Erosion Control	LS	1	$ 6,000.00	$ 6,000.00
147	Pavement Marking, 4" Yellow Line (HPS-8)	LF	11,356	$ 3.00	$ 34,068.00
148	Pavement Marking, 6" White Line (HPS-8)	LF	8,029	$ 3.00	$ 24,087.00
149	Pavement Marking, 12" Yellow Line (Preformed Thermoplastic)	LF	225	$ 10.00	$ 2,250.00
150	Pavement Marking, 6" White Line (Preformed Thermoplastic)	LF	1,575	$ 6.00	$ 9,450.00
151	Pavement Marking, 12" White Line (Preformed Thermoplastic)	LF	329	$ 12.00	$ 3,948.00
152	Pavement Marking, 24" White Line (Preformed Thermoplastic)	LF	213	$ 24.00	$ 5,112.00
153	Pavement Marking, White Turn Arrow (Preformed Thermoplastic)	EA	19	$ 300.00	$ 5,700.00
154	Pavement Marking, White Thru/Turn Arrow (Preformed Thermoplastic)	EA	14	$ 450.00	$ 6,300.00
155	Pavement Marking, White Thru Arrow (Preformed Thermoplastic)	EA	4	$ 300.00	$ 1,200.00
156	Pavement Marking, White Bike Lane Helmeted Bicyclist (Preformed Thermoplastic)	EA	10	$ 450.00	$ 4,500.00
157	Pavement Marking, White Bike Lane Arrow (Preformed Thermoplastic)	EA	10	$ 300.00	$ 3,000.00
158	Permanent Signing	LS	1	$ 5,000.00	$ 5,000.00
159	Traffic Signal Modification (Sheridan St. & Lindenwood Dr.)	LS	1	$ 34,000.00	$ 34,000.00
160	Traffic Signal Modification (Sheridan St. & Mur-Len Rd.)	LS	1	$ 30,000.00	$ 30,000.00
161	Street Maintenance Sales Tax Sign	EA	2	$ 150.00	$ 300.00
162	Lawn Sprinkler System Modifications (Mid America Nazarene)	LS	1	$ 8,000.00	$ 8,000.00
163	Adjust Water Valve in Concrete Pad	EA	5	$ 2,000.00	$ 10,000.00
164	Relocate Fire Hydrant Assembly	EA	1	$ 7,500.00	$ 7,500.00
165	Traffic Control	LS	1	$ 15,000.00	$ 15,000.00
				Street Improvements Subtotal	**$ 1,485,897.00**

HNTB

CITY OF OLATHE, KANSAS
Sheridan Street Arterial Mill and Overlay Project (Dennis Avenue to Mur-Len Road)
City Project No. 3-P-003-24
Engineer's Estimate — **Date: March 12, 2024**

	Sheridan Street Stormwater Improvements				
201	Remove and Replace Curb Inlet Top (Stormwater)	EA	6	$ 3,200.00	$ 19,200.00
202	Remove and Replace Curb Inlet Top with Cantilevered Lid (Stormwater)	EA	1	$ 3,600.00	$ 3,600.00
203	Curb Inlet (8' x 4') with Cantilevered Lid	EA	2	$ 12,000.00	$ 24,000.00
204	Junction Box (6' x 6')	EA	1	$ 9,000.00	$ 9,000.00
205	Remove Existing Curb Inlet	EA	2	$ 1,275.00	$ 2,550.00
206	Remove Existing Storm Sewer	LF	333	$ 25.00	$ 8,325.00
207	Storm Sewer (15") (RCP)	LF	71	$ 275.00	$ 19,525.00
208	Storm Sewer (18") (RCP)	LF	320	$ 300.00	$ 96,000.00
209	Storm Sewer (24") (RCP)	LF	159	$ 315.00	$ 50,085.00
210	Full Depth Street Patch	SY	313	$ 220.00	$ 68,860.00
211	Flowable Fill (Low Strength)	CY	7	$ 210.00	$ 1,470.00
212	Traffic Control	LS	1	$ 10,000.00	$ 10,000.00
	Stormwater Improvements Subtotal				**$ 312,615.00**
	Mur-Len Road Improvements				
301	Contractor Construction Staking	LS	1	$ 10,000.00	$ 10,000.00
302	Clearing and Grubbing	LS	1	$ 20,000.00	$ 20,000.00
303	Aggregate Base Course (Modified AB-3) (4") (Sidewalk)	TONS	364	$ 80.00	$ 29,120.00
304	Remove Concrete Sidewalk (4')	LF	1,623	$ 18.00	$ 29,214.00
305	Remove Concrete Sidewalk (5')	LF	116	$ 20.00	$ 2,320.00
306	Remove Type B Curb & Gutter	LF	371	$ 15.00	$ 5,565.00
307	Remove Type C Curb & Gutter	LF	193	$ 15.00	$ 2,895.00
308	Remove ADA Ramp (Type I)	EA	7	$ 700.00	$ 4,900.00
309	Remove Sidewalk with Abutting Retaining Wall	LF	84	$ 75.00	$ 6,300.00
310	Remove Concrete Drive Pavement (7")	SY	404	$ 50.00	$ 20,200.00
311	Remove Chain Link Fence	LF	44	$ 25.00	$ 1,100.00
312	Concrete Sidewalk (3') (6" Special)	LF	190	$ 50.00	$ 9,500.00
313	Concrete Sidewalk (4') (6" Special)	LF	79	$ 60.00	$ 4,740.00
314	Concrete Sidewalk (8')	LF	1,739	$ 60.00	$ 104,340.00
315	Type A Curb & Gutter	LF	40	$ 40.00	$ 1,600.00
316	Type B Curb & Gutter	LF	384	$ 40.00	$ 15,360.00
317	Type C Curb & Gutter	LF	140	$ 40.00	$ 5,600.00
318	ADA Ramp (Type I) (8')	EA	6	$ 2,250.00	$ 13,500.00
319	ADA Ramp (Type III) (8')	EA	1	$ 2,750.00	$ 2,750.00
320	Sidewalk with Abutting Retaining Wall (with Form Liner)	LF	94	$ 320.00	$ 30,080.00
321	Concrete Drive Pavement (7")	SY	594	$ 100.00	$ 59,400.00
322	Street Trees	EA	66	$ 650.00	$ 42,900.00
323	Sodding	SY	3,798	$ 10.00	$ 37,980.00
324	Erosion Control	LS	1	$ 6,000.00	$ 6,000.00
325	Traffic Signal Modification (Mur-Len Rd. & 139th/Pioneer Way)	LS	1	$ 91,000.00	$ 91,000.00
326	Pedestrian Lighting (Sheridan St. / Mur-Len Rd.)	LS	1	$ 225,000.00	$ 225,000.00
327	Remove and Replace Type 3 Fiber Optic Junction Box	EA	3	$ 2,500.00	$ 7,500.00
328	Adjust Fiber Optic Junction Box	EA	2	$ 1,000.00	$ 2,000.00
329	Pavement Marking, 6" White Line (Preformed Thermoplastic)	LF	132	$ 6.00	$ 792.00
330	Permanent Signing	LS	1	$ 5,000.00	$ 5,000.00
331	Lawn Sprinkler System Modifications (Mid America Nazarene)	LS	1	$ 8,000.00	$ 8,000.00
332	Wood Privacy Fence (6') with Metal Posts (Mid America Nazarene)	LF	86	$ 90.00	$ 7,740.00
333	Traffic Control	LS	1	$ 15,000.00	$ 15,000.00
	Mur-Len Road Improvements Subtotal				**$ 827,396.00**
	3-P-003-24 - Sheridan Street (Dennis Avenue to Mur-Len Road) Construction Cost				**$ 2,625,908.00**
	Owner's Contingency Allowance				**$ 50,000.00**
	3-P-003-24 - Sheridan Street (Dennis Avenue to Mur-Len Road) Total Construction Cost				**$ 2,675,908.00**

Note: All Unit Prices based on 2024 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. This estimate does not include costs for right-of-way, utility relocation, and engineering or administration.

ZACHARY AARON JARCHOW
LICENSED
25715
KANSAS
PROFESSIONAL ENGINEER

3/12/24

HNTB

CITY OF OLATHE, KANSAS
Santa Fe Street Arterial Mill and Overlay Project (I-35 to Mur-Len Road)
City Project No. 3-P-004-24
Engineer's Estimate **Date: March 12, 2015**

NO.	ITEM DESCRIPTION	UNIT	TOTAL	UNIT PRICE	TOTAL COST
	Street Improvements				
401	Mobilization	LS	1	$ 10,000.00	$ 10,000.00
402	Milling (2")	SY	25,455	$ 3.00	$ 76,365.00
403	Asphaltic Surface (KCMMB A2) (2") (Alternate)	TONS	3,007	$ 105.00	$ 315,735.00
404	Pavement Marking, 4" Yellow Line (HPS-8)	LF	272	$ 3.00	$ 816.00
405	Pavement Marking, 6" White Line (HPS-8)	LF	5,974	$ 3.00	$ 17,922.00
406	Pavement Marking, 6" White Line (Preformed Thermoplastic)	LF	1,242	$ 6.00	$ 7,452.00
407	Pavement Marking, 24" White Line (Preformed Thermoplastic)	LF	187	$ 24.00	$ 4,488.00
408	Pavement Marking, White Turn Arrow (Preformed Thermoplastic)	EA	49	$ 300.00	$ 14,700.00
409	Pavement Marking, White "Only" Marking (Preformed Thermoplastic)	EA	3	$ 500.00	$ 1,500.00
410	Loop Detector Replacement (Santa Fe St. & Clairborne Rd.)	LS	1	$ 45,000.00	$ 45,000.00
411	Loop Detector Replacement (Santa Fe St. & Lindenwood Dr.)	LS	1	$ 35,000.00	$ 35,000.00
412	Loop Detector Replacement (Santa Fe St. & Mur-Len Rd.)	LS	1	$ 17,000.00	$ 17,000.00
413	Street Maintenance Sales Tax Sign	EA	2	$ 150.00	$ 300.00
414	Traffic Control	LS	1	$ 10,000.00	$ 10,000.00
	3-P-004-24 - Santa Fe Street Arterial Mill and Overlay Project Construction Cost				**$ 556,278.00**
	Owner's Contingency Allowance				**$ 20,000.00**
	3-P-004-24 - Santa Fe Street Arterial Mill and Overlay Project Total Construction Cost				**$ 576,278.00**
501	Mountable Median Nose	EA	1	$ 5,000.00	$ 5,000.00
502	Milling (2")	SY	22	$ 68.19	$ 1,500.18
503	Asphaltic Surface (KCMMB A2) (2") (Alternate)	TONS	3	$ 750.00	$ 2,250.00
504	Pavement Marking, 6" White Line (Preformed Thermoplastic)	LF	50	$ 10.00	$ 500.00
505	Traffic Control	LS	1	$ 5,000.00	$ 5,000.00
	3-C-110-20 - 135th and Pflumm Median Adjustment (Bid Alternate)				**$ 14,250.18**

Note: All Unit Prices based on 2024 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. This estimate does not include costs for engineering or administration.

ZACHARY AARON JARCHOW
LICENSED
25715
KANSAS
PROFESSIONAL ENGINEER

Zachary Aaron Jarchow
3/12/24

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Final Plans - Water Main Replacement Cost Estimate

Client: City of Olathe, KS

Project: On-Call Waterline Replacement East Sheridan Street and South Clairborne Road

Date: 3/23/2024

Project Number: 021-06699

Item No.	Item	Quantity	Unit	Unit Cost $	Total Cost $
	Water Main Replacement				
1	Mobilization	1	LS	$ 83,700	$ 83,700
2	Traffic Control	1	LS	$ 5,500	$ 5,500
3	Construction Staking	1	LS	$ 6,600	$ 6,600
4	Clearing & Grubbing	1	LS	$ 5,500	$ 5,500
5	Relocate Existing Water Meter	49	EA	$ 1,430	$ 70,070
6	Remove Fire Hydrant Assembly	6	EA	$ 1,100	$ 6,600
7	Abandon Existing Valve	16	EA	$ 1,100	$ 17,600
8	Install 8" PVC Sanitary Sewer Pipe	60	LF	$ 110	$ 6,600
9	Trench & Backfill	60	LF	$ 28	$ 1,680
10	Concrete Encasement	60	LF	$ 550	$ 33,000
11	Open Trench 6" Pipe	261	LF	$ 171	$ 44,631
12	Directional Drill 6" Pipe	137	LF	$ 176	$ 24,112
13	Open Trench 8" Pipe	210	LF	$ 242	$ 50,820
14	Directional Drill 8" Pipe	1,540	LF	$ 242	$ 372,680
15	Open Trench 12" Pipe	401	LF	$ 281	$ 112,681
16	Directional Drill 12" Pipe	1,199	LF	$ 281	$ 336,919
17	Install 2" Foam Glass Pipe Insulation for 12" Pipe	45	LF	$ 220	$ 9,900
18	6" 45 Degree Bend	7	EA	$ 990	$ 6,930
19	8" 45 Degree Bend	8	EA	$ 1,210	$ 9,680
20	12" 22.5 Degree Bend	1	EA	$ 1,320	$ 1,320
21	12" 45 Degree Bend	19	EA	$ 1,650	$ 31,350
22	6" Tee	1	EA	$ 880	$ 880
23	8" Tee	1	EA	$ 1,056	$ 1,056
24	12" Tee	4	EA	$ 2,310	$ 9,240
25	8"x6" Tee	4	EA	$ 1,540	$ 6,160
26	12"x6" Tee	2	EA	$ 1,870	$ 3,740
27	12"x8" Tee	1	EA	$ 2,200	$ 2,200
28	8"x6" Reducer	1	EA	$ 693	$ 693
29	12"x8" Reducer	2	EA	$ 1,320	$ 2,640
30	Install 6" Gate Valve	8	EA	$ 2,200	$ 17,600

31	Install 8" Gate Valve	7	EA	$	2,860	$	20,020
32	Install 12" Gate Valve	8	EA	$	4,400	$	35,200
33	6" Solid Sleeve	8	EA	$	990	$	7,920
34	8" Solid Sleeve	3	EA	$	1,100	$	3,300
35	12" Solid Sleeve	4	EA	$	1,540	$	6,160
36	Install Fire Hydrant Assembly	8	EA	$	5,500	$	44,000
37	Install 3/4" Type K Copper Service Line	2,088	LF	$	61	$	127,368
38	Install 1" Type K Copper Service Line	484	LF	$	66	$	31,944
39	Connection to Existing Pipe	15	EA	$	4,400	$	66,000
40	Install Straddle Block	1	EA	$	1,980	$	1,980
41	Install Curb Stop & Box	8	EA	$	330	$	2,640
42	Remove & Replace Asphalt Pavement	87	SY	$	110	$	9,570
43	Remove & Replace Concrete Sidewalk	45	SY	$	77	$	3,465
44	Install Type I Sidewalk Ramp	1	EA	$	2,200	$	2,200
45	Install Type II Sidewalk Ramp	3	EA	$	2,200	$	6,600
46	Install Type III Sidewalk Ramp	2	EA	$	2,200	$	4,400
47	Remove & Replace Residential Drive	31	SY	$	110	$	3,410
48	Remove & Replace Concrete Curb & Gutter	251	LF	$	55	$	13,805
49	Storm Sewer CCTV (18 to 42-Inch)	1	LS	$	5,500	$	5,500
50	Grading	3,774	LF	$	2.75	$	10,378.50
51	Sodding	11,400	SY	$	6.05	$	68,970
52	Owner's Allowance	1	LS	$	50,000	$	50,000

Total Construction Cost **$1,806,913**

The Engineer, using his or her professional judgment, has developed this stated Opinion of Probable Construction Cost based upon the design status identified above. Development of this Opinion has included consideration of design input level; however, the circumstances under which the work is expected to be undertaken, the cost and availability of materials, labor and services, probable bidder response and the economic conditions at the time of bid solicitation are beyond the control of the Engineer and will impact actual bid costs. Should bidding be delayed, these costs should be reviewed and, if necessary, adjusted to a more applicable *Engineering News Record* Construction Cost Index.

STATE OF MISSOURI
BROOKE
HUDLEMEYER
3/23/2024
NUMBER
PE-2019000177
PROFESSIONAL ENGINEER