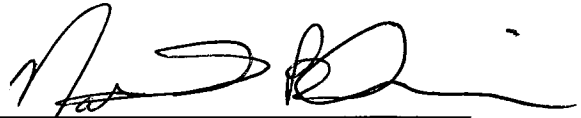


AFFIDAVIT OF ESTIMATE OF COST

STATE OF KANSAS)
) ss.
 COUNTY OF JOHNSON)

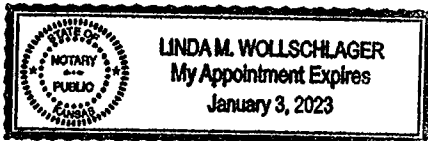
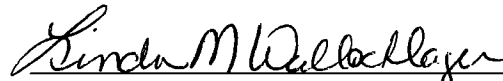
Nathan S. Baldwin, P.E., of lawful age, being first duly sworn upon his oath,
 states:

1. I am the City Engineer for the City of Olathe, Kansas.
2. The attached detailed estimate of the cost for the Mill Creek, Prairie to Cedar, Phase 1, Stormwater Improvements Project, PN 2-C-030-18, is attached and I am providing the estimate of the cost under oath (Exhibit A).



Nathan S. Baldwin, City Engineer

Subscribed in my presence and sworn under oath before me this 23rd
 day of April, 2021.



 Notary Public

My Appointment Expires

January 3, 2023



CITY OF OLATHE KANSAS

Upper Mill Creek, Prairie to Cedar, Phase 1

City Project No. 2-C-030-18

Johnson County SMP No. MC-09-026

Date:

April 15, 2021

Engineer's Opinion of Probable Project Costs

Upper Mill Creek Stormwater Improvements 2-C-030-18					
No.	Item Description	Unit	Quant.	Unit Price	Total Cost
1	Mobilization	LS	1	\$ 445,000.00	\$ 445,000.00
2	Contractor Construction Staking	LS	1	\$ 60,000.00	\$ 60,000.00
3	Clearing and Grubbing	LS	1	\$ 75,000.00	\$ 75,000.00
4	Unclassified Excavation	CY	32,054	\$ 23.00	\$ 737,242.00
5	Compaction of Earthwork	CY	14,536	\$ 10.00	\$ 145,360.00
6	Remove Existing Pavement	SY	7,257	\$ 10.00	\$ 72,570.00
7	Remove Existing Driveway	SY	1,271	\$ 10.00	\$ 12,710.00
8	Sidewalk Removal	LF	2,566	\$ 7.00	\$ 17,962.00
9	Removal of Exist. Structures	LS	1	\$ 325,000.00	\$ 325,000.00
Roadway Construction					
10	Cold Milling	SY	79	\$ 15.00	\$ 1,185.00
11	Full Depth Street Patch	EACH	2	\$ 6,500.00	\$ 13,000.00
12	2" Asphaltic Concrete Surface (BM-2FR)	TONS	488	\$ 90.00	\$ 43,920.00
13	6" Asphaltic Concrete Base (BM-2BFR)	TONS	1,226	\$ 95.00	\$ 116,470.00
14	8" Asphaltic Concrete Base (BM-2BFR)	TONS	228	\$ 95.00	\$ 21,660.00
15	Aggregate Base Course (AB-3 Modified) (6")	SY	6,881	\$ 9.00	\$ 61,929.00
16	Aggregate Base Course (AB-3 Modified) (4")	SY	377	\$ 6.00	\$ 2,262.00
17	Subgrade Repair (Geogrid) (Est.)	SY	5,323	\$ 5.00	\$ 26,615.00
18	Concrete Pavement (10" Unif.) (AE) (Br App)	SY	527	\$ 250.00	\$ 131,750.00
19	Install Curb and Gutter (Type B)	LF	2,232	\$ 30.00	\$ 66,960.00
20	Install Curb and Gutter (Type C)	LF	341	\$ 30.00	\$ 10,230.00
21	Concrete Safety Barrier	LF	306	\$ 225.00	\$ 68,850.00
22	Pipe Underdrain (6")	LF	385	\$ 22.00	\$ 8,470.00
23	4" Asphaltic Concrete Surface (BM-2FR)	TONS	171	\$ 90.00	\$ 15,390.00
24	Install Concrete Sidewalk	SF	10,414	\$ 6.50	\$ 67,691.00
25	Concrete Sidewalk Construction (Br App)	SY	115	\$ 150.00	\$ 17,250.00
26	Install Type I Sidewalk Ramp	EA	9	\$ 1,500.00	\$ 13,500.00
27	Install Type II Sidewalk Ramp	EA	4	\$ 2,000.00	\$ 8,000.00
28	Install Type III Sidewalk Ramp	EA	2	\$ 2,000.00	\$ 4,000.00
29	Install Type IV Sidewalk Ramp	EA	3	\$ 2,500.00	\$ 7,500.00
30	Install Concrete Drive (6")	SY	843	\$ 60.00	\$ 50,580.00
31	Install Concrete Drive (Commercial Entrance) (7")	SY	195	\$ 70.00	\$ 13,650.00
32	Install Aggregate Drive (6")	SY	346	\$ 30.00	\$ 10,380.00
Utility Adjustments					
33	Adjust Existing Sanitary Sewer Manhole	EA	11	\$ 1,500.00	\$ 16,500.00
34	Adjust Existing Sanitary Sewer Manhole & Install Bolt-Down Locking Floodplain Lid	EA	2	\$ 1,500.00	\$ 3,000.00
35	Adjust. Exist. Water Valve Box or Meter Box	EA	3	\$ 1,500.00	\$ 4,500.00
36	Concrete Encasement (Sanitary)	EA	255	\$ 200.00	\$ 51,000.00
Storm Sewer					
37	6' x 4' Curb Inlet	EA	3	\$ 6,000.00	\$ 18,000.00
38	6' x 5' Curb Inlet	EA	3	\$ 6,600.00	\$ 19,800.00
39	8' x 5' Curb Inlet	EA	5	\$ 8,600.00	\$ 43,000.00
40	6' x 4' Non-Setback Curb Inlet	EA	2	\$ 6,300.00	\$ 12,600.00
41	6' x 4' Non-Setback Curb Inlet With Special Top Slab	EA	2	\$ 6,700.00	\$ 13,400.00
42	8' x 4' Non-Setback Curb Inlet With Special Top Slab	EA	1	\$ 8,100.00	\$ 8,100.00
43	6'x4' Curb Inlet With Special Top Slab	EA	4	\$ 6,600.00	\$ 26,400.00
44	8'x4' Curb Inlet With Special Top Slab	EA	1	\$ 7,900.00	\$ 7,900.00
45	6'x4' Combination Inlet	EA	1	\$ 6,600.00	\$ 6,600.00
46	6'x6' Combination Inlet	EA	1	\$ 8,100.00	\$ 8,100.00
47	4' x 4' Junction Box	EA	3	\$ 6,600.00	\$ 19,800.00
48	5' x 5' Junction Box	EA	1	\$ 7,600.00	\$ 7,600.00
49	7' x 7' Junction Box	EA	1	\$ 8,500.00	\$ 8,500.00
50	10' x 10' Junction Box	EA	1	\$ 11,500.00	\$ 11,500.00
51	5' x 5' Grate Inlet	EA	1	\$ 7,000.00	\$ 7,000.00
52	1.5' Diameter Drain Basin	EA	3	\$ 2,000.00	\$ 6,000.00
53	Trench Drain	EA	1	\$ 3,000.00	\$ 3,000.00
54	Pipe Collar	EA	3	\$ 1,500.00	\$ 4,500.00
55	Storm Sewer (15") (RCP)	LF	294	\$ 90.00	\$ 26,460.00
56	Storm Sewer (18") (RCP)	LF	331	\$ 100.00	\$ 33,100.00
57	Storm Sewer (24") (RCP)	LF	199	\$ 120.00	\$ 23,880.00
58	Storm Sewer (30") (RCP)	LF	211	\$ 150.00	\$ 31,650.00
59	Storm Sewer (30") (RCP Class V)	LF	21	\$ 200.00	\$ 4,200.00
60	Storm Sewer (36") (RCP)	LF	260	\$ 170.00	\$ 44,200.00
61	Storm Sewer (48") (RCP)	LF	37	\$ 230.00	\$ 8,510.00
62	Storm Sewer (48" x 76") (RCPHE)	LF	22	\$ 500.00	\$ 11,000.00
63	Storm Sewer (12") HDPE	LF	56	\$ 50.00	\$ 2,800.00
64	Storm Sewer (15") HDPE	LF	20	\$ 75.00	\$ 1,500.00

65	End Section (15") (RC)	EA	3	\$ 1,500.00	\$ 4,500.00
66	End Section (24") (RC)	EA	1	\$ 2,000.00	\$ 2,000.00
67	End Section (30") (RC)	EA	1	\$ 3,000.00	\$ 3,000.00
68	End Section (36") (RC)	EA	1	\$ 3,500.00	\$ 3,500.00
69	End Section (48") (RC)	EA	1	\$ 3,800.00	\$ 3,800.00
70	End Section (48" x 76") (RCPHE)	EA	1	\$ 4,000.00	\$ 4,000.00
RFB					
71	12'x4' RFB	LF	51	\$ 1,100.00	\$ 56,100.00
72	Concrete (Grade 4.0) (RFB)	CY	72.4	\$ 1,000.00	\$ 72,400.00
73	Foundation Stabilization (RFB)	CY	207	\$ 75.00	\$ 15,525.00
74	Reinforcing Steel (Grade 60) (RFB)	LB.	12,550	\$ 1.50	\$ 18,825.00
75	Concrete for Seal Course (Set Price) (RFB)	CY	1	\$ 175.00	\$ 175.00
76	Granular Backfill (Wingwalls) (RFB)	CY	24	\$ 80.00	\$ 1,920.00
77	Handrail (Metal)(3'-6") (RFB)	LF	36	\$ 200.00	\$ 7,200.00
Slope Protection					
78	Flume Inlet and Concrete Slope Drain	EA	1	\$ 2,500.00	\$ 2,500.00
79	Slope Protection (Riprap Stone)(200 LB.)	CY	4,318	\$ 80.00	\$ 345,440.00
80	Bedding for Slope Protection (6")	CY	1,080	\$ 65.00	\$ 70,200.00
81	1' Thick Stockpiled In-Situ Channel Bottom Stone	CY	473	\$ 60.00	\$ 28,380.00
Sanitary Sewer					
82	5' Dia. Manhole (Sanitary)	EA	3	\$ 8,000.00	\$ 24,000.00
83	5' Dia. Manhole (Sanitary) & Install Bolt-Down Locking Floodplain Lid	EA	6	\$ 8,250.00	\$ 49,500.00
84	5' Dia. Manhole (Sanitary) with Outside Drop	EA	2	\$ 9,000.00	\$ 18,000.00
85	6' Dia. Manhole (Sanitary)	EA	2	\$ 9,000.00	\$ 18,000.00
86	6' Dia. Manhole (Sanitary) & Install Bolt-Down Locking Floodplain Lid	EA	1	\$ 9,250.00	\$ 9,250.00
87	8' Dia. Manhole (Sanitary)	EA	1	\$ 20,000.00	\$ 20,000.00
88	Sanitary Sewer (24") (PVC PS 115)	LF	1,346	\$ 250.00	\$ 336,500.00
89	Sanitary Sewer (36") (PVC PS 115)	LF	427	\$ 400.00	\$ 170,800.00
90	6" Service Line (SDR 26) (Sanitary)	LF	300	\$ 100.00	\$ 30,000.00
91	8" Service Line (SDR 26) (Sanitary)	LF	10	\$ 120.00	\$ 1,200.00
Waterline					
92	6" Waterline (DIP) (Polywrapped) (Pressure Class 350)	LF	244	\$ 115.00	\$ 28,060.00
93	8" Waterline (DIP) (Polywrapped) (Pressure Class 350)	LF	242	\$ 150.00	\$ 36,300.00
94	12" Waterline (DIP) (Polywrapped) (Pressure Class 350)	LF	377	\$ 175.00	\$ 65,975.00
95	3/4" Type "K" Copper Service Line	LF	317	\$ 50.00	\$ 15,850.00
96	1" Type "K" Copper Service Line	LF	282	\$ 75.00	\$ 21,150.00
97	3" Type "K" Copper Service Line	LF	55	\$ 100.00	\$ 5,500.00
98	Replace Water Meter	EA	6	\$ 1,800.00	\$ 10,800.00
99	Gate Valve (6")	EA	2	\$ 1,300.00	\$ 2,600.00
100	Gate Valve (8")	EA	1	\$ 1,900.00	\$ 1,900.00
101	Gate Valve (12")	EA	2	\$ 3,000.00	\$ 6,000.00
102	Straddle Block (6")	EA	2	\$ 1,000.00	\$ 2,000.00
103	Straddle Block (8")	EA	1	\$ 1,500.00	\$ 1,500.00
104	Straddle Block (12")	EA	1	\$ 2,000.00	\$ 2,000.00
105	Concrete Encasement (Waterline)	LF	132	\$ 150.00	\$ 19,800.00
106	Fire Hydrant Assembly	EA	4	\$ 5,500.00	\$ 22,000.00
Feature Restoration					
107	Fencing (4' Split Rail Wood Fence)	LF	64	\$ 30.00	\$ 1,920.00
108	Fencing (4' Chain Link Fence)	LF	210	\$ 35.00	\$ 7,350.00
109	Fencing (5' Chain Link Fence)	LF	62	\$ 40.00	\$ 2,480.00
110	Fencing (6' Chain Link Fence)	LF	70	\$ 45.00	\$ 3,150.00
111	Fencing (6' Wood Privacy)	LF	67	\$ 50.00	\$ 3,350.00
112	Handrail (Metal) (3'-6")	LF	454	\$ 220.00	\$ 99,880.00
113	Handrail (Metal) (4'-6")	LF	12	\$ 270.00	\$ 3,240.00
114	Stairs	EA	1	\$ 5,000.00	\$ 5,000.00
115	Salvage & Reconstruct Monument	EA	1	\$ 2,000.00	\$ 2,000.00
116	Install Relocated Bench	EA	2	\$ 1,000.00	\$ 2,000.00
117	Patio Reconstruction (6" Concrete)	SY	46	\$ 65.00	\$ 2,990.00
118	Patio Reconstruction (Brick)	SY	10	\$ 80.00	\$ 800.00
119	Patio Reconstruction (6" Stamped)	SY	26	\$ 70.00	\$ 1,820.00
120	Landscaping Wall	SF	10	\$ 100.00	\$ 1,000.00
121	Curb (Intermittent)	LF	77	\$ 30.00	\$ 2,310.00
122	Reset Private Light Pole	EA	1	\$ 500.00	\$ 500.00
123	Remove & Reset Wood Ramp	EA	1	\$ 4,000.00	\$ 4,000.00
124	Reinstall Carport Wall	EA	1	\$ 4,000.00	\$ 4,000.00
Poplar Street Over Upper Mill Creek					
125	Class I Excavation (Poplar St Bridge)	CY	6	\$ 50.00	\$ 300.00
126	Class II Excavation (Poplar St Bridge)	CY	165	\$ 90.00	\$ 14,850.00
127	Concrete (Grade 4.0)(AE) (Poplar St Bridge)	CY	58	\$ 650.00	\$ 37,700.00
128	Concrete (Grade 4.0)(AE)(SA) (Poplar St Bridge)	CY	150	\$ 700.00	\$ 105,000.00
129	Reinforcing Steel (Grade 60) (Poplar St Bridge)	LB.	12,440	\$ 1.15	\$ 14,306.00
130	Reinforcing Steel (Grade 60)(Epoxy Coated) (Poplar St Bridge)	LB.	33,890	\$ 1.40	\$ 47,446.00
131	Drilled Shaft (30") (Poplar St Bridge)	LF	95	\$ 550.00	\$ 52,250.00
132	Permanent Casing (30")(Set Price) (Poplar St Bridge)	LF	1	\$ 120.00	\$ 120.00
133	Sonic Test (Drilled Shaft)(Set Price) (Poplar St Bridge)	EA	1	\$ 1,800.00	\$ 1,800.00
134	Bridge Handrail (Metal)(1'-10") (Poplar St Bridge)	LF	94	\$ 200.00	\$ 18,800.00
135	Bridge Handrail (Metal)(4'-6") (Poplar St Bridge)	LF	121	\$ 200.00	\$ 24,200.00
136	Electric Conduit (2.0")(Non-Metallic) (Poplar St Bridge)	LF	99	\$ 10.00	\$ 990.00
137	Abutment Aggregate Drain (Poplar St Bridge)	CY	248	\$ 150.00	\$ 37,200.00
138	Bridge Backwall Protection System (Poplar St Bridge)	SY	34	\$ 45.00	\$ 1,530.00
139	Multi-Layer Polymer Concrete Overlay (Poplar St Bridge)	SY	228	\$ 65.00	\$ 14,820.00
140	Concrete Masonry Coating (Poplar St Bridge)	SY	193	\$ 45.00	\$ 8,685.00

Spruce Street Over Upper Mill Creek					
141	Class I Excavation (Spruce St Bridge)	CY	19	\$ 50.00	\$ 950.00
142	Class II Excavation (Spruce St Bridge)	CY	151	\$ 90.00	\$ 13,590.00
143	Concrete (Grade 4.0)(AE) (Spruce St Bridge)	CY	58	\$ 650.00	\$ 37,700.00
144	Concrete (Grade 4.0)(AE)(SA) (Spruce St Bridge)	CY	160.5	\$ 700.00	\$ 112,350.00
145	Reinforcing Steel (Grade 60) (Spruce St Bridge)	LB.	11,680	\$ 1.15	\$ 13,432.00
146	Reinforcing Steel (Grade 60)(Epoxy Coated) (Spruce St Bridge)	LB.	32,400	\$ 1.40	\$ 45,360.00
147	Drilled Shaft (30") (Spruce St Bridge)	LF	69	\$ 550.00	\$ 37,950.00
148	Permanent Casing (30")(Set Price) (Spruce St Bridge)	LF	1	\$ 120.00	\$ 120.00
149	Sonic Test (Drilled Shaft)(Set Price) (Spruce St Bridge)	EA	1	\$ 1,800.00	\$ 1,800.00
150	Bridge Handrail (Metal)(1'-10") (Spruce St Bridge)	LF	94	\$ 200.00	\$ 18,800.00
151	Bridge Handrail (Metal)(4'-6") (Spruce St Bridge)	LF	107	\$ 200.00	\$ 21,400.00
152	Electric Conduit (2.0")(Non-Metallic) (Spruce St Bridge)	LF	49	\$ 10.00	\$ 490.00
153	Abutment Aggregate Drain (Spruce St Bridge)	CY	276	\$ 150.00	\$ 41,400.00
154	Bridge Backwall Protection System (Spruce St Bridge)	SY	37	\$ 45.00	\$ 1,665.00
155	Multi-Layer Polymer Concrete Overlay (Spruce St Bridge)	SY	249	\$ 65.00	\$ 16,185.00
156	Concrete Masonry Coating (Spruce St Bridge)	SY	179	\$ 45.00	\$ 8,055.00
Chestnut Street Over Upper Mill Creek					
157	Class I Excavation (Chestnut St Bridge)	CY	13	\$ 50.00	\$ 650.00
158	Class II Excavation (Chestnut St Bridge)	CY	127	\$ 90.00	\$ 11,430.00
159	Concrete (Grade 4.0)(AE) (Chestnut St Bridge)	CY	43.6	\$ 650.00	\$ 28,340.00
160	Concrete (Grade 4.0)(AE)(SA) (Chestnut St Bridge)	CY	187.7	\$ 700.00	\$ 131,390.00
161	Reinforcing Steel (Grade 60) (Chestnut St Bridge)	LB.	14,670	\$ 1.15	\$ 16,870.50
162	Reinforcing Steel (Grade 60)(Epoxy Coated) (Chestnut St Bridge)	LB.	38,500	\$ 1.40	\$ 53,900.00
163	Drilled Shaft (30") (Chestnut St Bridge)	LF	89	\$ 550.00	\$ 48,950.00
164	Permanent Casing (30")(Set Price) (Chestnut St Bridge)	LF	1	\$ 120.00	\$ 120.00
165	Sonic Test (Drilled Shaft)(Set Price) (Chestnut St Bridge)	EA	1	\$ 1,800.00	\$ 1,800.00
166	Bridge Handrail (Metal)(1'-10") (Chestnut St Bridge)	LF	57	\$ 200.00	\$ 11,400.00
167	Bridge Handrail (Metal)(4'-6") (Chestnut St Bridge)	LF	57	\$ 200.00	\$ 11,400.00
168	Electric Conduit (2.0")(Non-Metallic) (Chestnut St Bridge)	LF	59	\$ 10.00	\$ 590.00
169	Abutment Aggregate Drain (Chestnut St Bridge)	CY	234	\$ 150.00	\$ 35,100.00
170	Bridge Backwall Protection System (Chestnut St Bridge)	SY	44	\$ 45.00	\$ 1,980.00
171	Multi-Layer Polymer Concrete Overlay (Chestnut St Bridge)	SY	233	\$ 65.00	\$ 15,145.00
172	Concrete Masonry Coating (Chestnut St Bridge)	SY	161	\$ 45.00	\$ 7,245.00
Pedestrian Bridge Over Upper Mill Creek					
173	Prefabricated Bridge (Steel)(78 ft)	LS	1	\$ 120,000.00	\$ 120,000.00
174	Concrete (Grade 4.0)(AE) (Pedestrian Bridge)	CY	9.4	\$ 650.00	\$ 6,110.00
175	Reinforcing Steel (Grade 60) (Pedestrian Bridge)	LB.	900	\$ 1.15	\$ 1,035.00
Walls					
176	Concrete (Grade 4.0) (Wall No. 1)	CY	12.7	\$ 1,200.00	\$ 15,240.00
177	Flowable Fill (Low Strength) (Wall No. 1)	CY	51.9	\$ 200.00	\$ 10,380.00
178	Concrete (Grade 4.0) (Wall No. 2)	CY	12.3	\$ 1,200.00	\$ 14,760.00
179	Flowable Fill (Low Strength) (Wall No. 2)	CY	47	\$ 200.00	\$ 9,400.00
180	Concrete (Grade 4.0) (Wall No. 3)	CY	12.7	\$ 1,200.00	\$ 15,240.00
181	Flowable Fill (Low Strength) (Wall No. 3)	CY	51.2	\$ 200.00	\$ 10,240.00
182	Concrete (Grade 4.0) (Wall No. 4)	CY	12.4	\$ 1,200.00	\$ 14,880.00
183	Flowable Fill (Low Strength) (Wall No. 4)	CY	46.2	\$ 200.00	\$ 9,240.00
184	Concrete (Grade 4.0) (Wall No. 5)	CY	12.4	\$ 1,200.00	\$ 14,880.00
185	Flowable Fill (Low Strength) (Wall No. 5)	CY	35.5	\$ 200.00	\$ 7,100.00
186	Concrete (Grade 4.0) (Wall No. 6)	CY	12.4	\$ 1,200.00	\$ 14,880.00
187	Flowable Fill (Low Strength) (Wall No. 6)	CY	19.9	\$ 200.00	\$ 3,980.00
188	Concrete (Grade 4.0) (Wall No. 7)	CY	105	\$ 1,400.00	\$ 147,000.00
189	Concrete (Grade 4.0) (Wall No. 8)	CY	122.5	\$ 1,400.00	\$ 171,500.00
190	Flowable Fill (Low Strength) (Wall No. 8)	CY	1.7	\$ 200.00	\$ 340.00
191	Concrete (Grade 4.0) (Wall No. 9)	CY	89.7	\$ 1,400.00	\$ 125,580.00
192	Concrete (Grade 4.0) (Wall No. 10)	CY	80.5	\$ 1,400.00	\$ 112,700.00
193	Flowable Fill (Low Strength) (Wall No. 10)	CY	13.5	\$ 200.00	\$ 2,700.00
194	Concrete (Grade 4.0) (Wall No. 11)	CY	24	\$ 1,200.00	\$ 28,800.00
195	Flowable Fill (Low Strength) (Wall No. 11)	CY	9.3	\$ 200.00	\$ 1,860.00
196	Concrete (Grade 4.0) (Wall No. 12)	CY	22.8	\$ 1,200.00	\$ 27,360.00
197	Flowable Fill (Low Strength) (Wall No. 12)	CY	58.7	\$ 200.00	\$ 11,740.00
198	Concrete (Grade 4.0) (Wall No. 13)	CY	219	\$ 1,400.00	\$ 306,600.00
199	Handrail (Metal)(4'-6") (Walls)	LF	96	\$ 225.00	\$ 21,600.00
200	Handrail (Metal)(3'-6") (Walls)	LF	677	\$ 200.00	\$ 135,400.00
Landscaping					
201	Sodding	SY	12,918	\$ 6.50	\$ 83,967.00
202	Seeding (Lawn Grass)	SY	9,359	\$ 2.00	\$ 18,718.00
203	Seeding (Wildflower Planting)	SY	195	\$ 2.00	\$ 390.00
204	Seeding (Flood Bench Seeding)	SY	2,512	\$ 1.50	\$ 3,768.00
205	Turf Reinforcement Mat (TRM)	SY	10,894	\$ 11.00	\$ 119,834.00
206	Tree Replacement	EA	141	\$ 500.00	\$ 70,500.00
207	Temporary Tree Protection	EA	1	\$ 200.00	\$ 200.00
208	Deep Cell Plug (Native Grasses)	EA	2,686	\$ 5.00	\$ 13,430.00
209	Temporary Seeding & Mulching	Acre	11	\$ 1,600.00	\$ 17,600.00
210	Erosion Control	LS	1	\$ 45,000.00	\$ 45,000.00
Traffic and Misc.					
211	Street Lighting Installation	LS	1	\$ 125,000.00	\$ 125,000.00
212	Permanent Signing & Striping	LS	1	\$ 15,000.00	\$ 15,000.00
213	SMP Project Sign	EA	6	\$ 800.00	\$ 4,800.00
214	Wayfinding Sign	EA	11	\$ 5,000.00	\$ 55,000.00
215	Traffic Control	LS	1	\$ 40,000.00	\$ 40,000.00
216	Salvage Johnson County Benchmark 504 & Reinstall on Bridge Post Construction	EA	1	\$ 2,000.00	\$ 2,000.00

217	As-Built Plans	LS	1	\$ 2,000.00	\$ 2,000.00
218	Owner's Allowance (Set Price)	LS	1	\$ 450,000.00	\$ 450,000.00
Downtown Streets Reconstruction 3-R-001-21					
219	Remove Existing Pavement	SY	601	\$ 10.00	\$ 6,010.00
220	Remove Existing Driveway	SY	64	\$ 10.00	\$ 640.00
221	Sidewalk Removal	LF	345	\$ 7.00	\$ 2,415.00
222	Cold Milling	SY	51	\$ 15.00	\$ 765.00
223	2" Asphaltic Concrete Surface (BM-2FR)	TONS	82	\$ 90.00	\$ 7,380.00
224	8" Asphaltic Concrete Base (BM-2BFR)	TONS	302	\$ 95.00	\$ 28,690.00
225	Aggregate Base Course (AB-3 Modified) (6")	SY	779	\$ 9.00	\$ 7,011.00
226	Aggregate Base Course (AB-3 Modified) (4")	SY	178	\$ 6.00	\$ 1,068.00
227	Subgrade Repair (Geogrid) (Est.)	SY	585	\$ 5.00	\$ 2,925.00
228	Install Curb and Gutter (Type B)	LF	402	\$ 30.00	\$ 12,060.00
229	Install Curb and Gutter (Type C)	LF	39	\$ 30.00	\$ 1,170.00
230	Install Concrete Sidewalk	SF	2,703	\$ 6.50	\$ 17,569.50
231	Install Concrete Drive (6")	SY	99	\$ 60.00	\$ 5,940.00
232	Sodding	SY	574	\$ 6.50	\$ 3,731.00

2021 Construction 2-C-030-18 (SMP Eligible) Subtotal \$ 8,427,432.50

2021 Construction 3-R-001-21 (Not-SMP Eligible) Subtotal \$ 97,374.50

2021 Total Construction Cost (2-C-030-18 and 3-R-001-21) \$ 8,524,807.00

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. Assumes bid in Q1 of 2021.

