

February 23, 2017

TO THE BOARD OF PUBLIC WORKS  
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 11 to UPI, LLC, 2180 S. Springdale Rd., New Berlin 53146 for Tenny Avenue Utility and Street Improvements - **Concrete**.

Contract No. 3942 3/11/2016 \$ 1,234,411.15

No	Quantity	Description	Cost	Per Unit	Amount
1	1,274	Lin. Ft. of Furnish and Install 8-Inch Water Main and Fittings	@ \$76.00	Lin. Ft.	\$96,824.00
2	1	Furnish and Install 8-Inch Gate Valve & Box	@ \$1,595.00	Each	\$1,595.00
3	4	Furnish and Install Hydrant Assembly	@ \$5,250.00	Each	\$21,000.00
4	6	Connect 1-Inch Service Lateral (SL1)	@ \$800.00	Each	\$4,800.00
5	10	Connect 1-Inch Service Lateral (SL2)	@ \$1,385.00	Each	\$13,850.00
6	16	Connect 1-Inch Service Lateral (SL3)	@ \$2,060.00	Each	\$32,960.00
7	13	Connect 1 1/4-Inch Service Lateral (SL4)	@ \$2,300.00	Each	\$29,900.00
8	1	Connect 1 1/4-Inch Service Lateral (SL5)	@ \$1,385.00	Each	\$1,385.00
9	0	Furnish and Install Curb Box & Rod (if needed)	@ \$575.00	Each	\$0.00
10	0	Furnish and Install Curb Stop (if needed)	@ \$600.00	Each	\$0.00
11	3	Abandon Existing Hydrant	@ \$650.00	Each	\$1,950.00
12	1	Abandon Valve Boxes & Manholes	@ \$3,300.00	Lump Sum	\$3,300.00
13	1,552.0	Lin. Ft. of 8-Inch Sanitary Sewer Relay	@ \$144.00	Lin. Ft.	\$223,488.00
14	30.66	Vert. Ft. of 48-Inch Diameter Sanitary Sewer Manhole	@ \$217.00	Vert. Ft.	\$6,653.22
15	41.59	Vert. Ft. of 48-Inch Diameter Sanitary Sewer Manhole with Outside Drop	@ \$445.00	Vert. Ft.	\$18,507.55
16	6	Sanitary Manhole Chimney Seals	@ \$525.00	Each	\$3,150.00
17	1,396.84	Lin. Ft. of 45 - 6-Inch Sanitary Lateral Replacement (Open Cut)	@ \$87.00	Lin. Ft.	\$121,525.08
18	200.88	Lin. Ft. of 6 - 6-Inch Sanitary Lateral Replacement (Pipe Bursting)	@ \$130.00	Lin. Ft.	\$26,114.40
19	4	Excavation and Lateral Connection at Right-of-Way (Pipe Bursting)	@ \$1,495.00	Each	\$5,980.00
20	45	Vert. Ft. of 6-Inch PVC Sanitary Lateral Riser	@ \$83.00	Vert. Ft.	\$3,735.00
21	1.0	805 E. College Avenue Lateral Installation	@ \$9,600.00	Each	\$9,600.00
22	1.0	117 Tenny Avenue Lateral Installation	@ \$9,600.00	Each	\$9,600.00
23	415	Lin. Ft. of Abandon 8-Inch Sanitary Sewer	@ \$7.00	Lin. Ft.	\$2,905.00
24	1,552	Lin. Ft. of Pre-Paving Main Line Sanitary Sewer Televising	@ \$2.00	Lin. Ft.	\$3,104.00
25	51	Pre-Paving Sanitary Lateral Sewer Televising	@ \$206.00	Each	\$10,506.00
26	900	Lin. Ft. of 12-Inch Storm Sewer Lining (CIPP)	@ \$26.00	Lin. Ft.	\$23,400.00
27	51	Lin. Ft. of 24-Inch Storm Sewer (RCSP)	@ \$138.00	Lin. Ft.	\$7,038.00
28	200	Lin. Ft. of 12-Inch Storm Sewer (RCSP)	@ \$136.00	Lin. Ft.	\$27,200.00
29	1	12-Inch Storm Sewer Spot Repair	@ \$2,240.00	Each	\$2,240.00
30	0	Cu. Yds. of Slurry Backfill	@ \$51.00	Cu. Yd.	\$0.00
31	72.75	Vert. Ft. of Standard Storm Inlets	@ \$263.00	Vert. Ft.	\$19,133.25
32	29.37	Vert. Ft. of Standard Storm Manhole	@ \$324.00	Vert. Ft.	\$9,515.88
33	8.3	Vert. Ft. of Rehabilitate Storm Manhole with Cementious Liner	@ \$350.00	Vert. Ft.	\$2,905.00
34	1	Chimney Replacement	@ \$790.00	Each	\$790.00
35	1,151	Lin. Ft. of Pre-Paving Main Line Storm Sewer Televising	@ \$2.00	Lin. Ft.	\$2,302.00
36	8,100	Sq. Ft. of Walk and Approach Removal	@ \$1.25	Sq. Ft.	\$10,125.00
37	2,959.90	Lin. Ft. of Concrete Curb and Gutter Removal	@ \$4.10	Lin. Ft.	\$12,135.59
38	4,138.7	Sq. Yds. of Pavement Removal - Reconstruction Areas	@ \$6.20	Sq. Yd.	\$25,659.94
39	1,455.3	Sq. Yds. of Pavement Removal - Rehabilitation Areas	@ \$6.20	Sq. Yd.	\$9,022.86
40	150	Lin. Ft. of Sawcutting at Pavement Limits	@ \$3.00	Lin. Ft.	\$450.00
41	3,787.09	Tons of 1 1/4-Inch Dense Aggregate	@ \$14.50	Ton	\$54,912.81
42	0	Tons of 1 1/4-Inch Crushed Stone Backfill (Includes Undercut)	@ \$10.30	Ton	\$0.00
43	19.87	Tons of 3-Inch Crushed Stone Backfill (Includes Undercut)	@ \$12.40	Ton	\$246.39
44	0	Sq. Yds. of Geotextile Fabric, Type SAS	@ \$3.10	Sq. Yd.	\$0.00
45	1	Traffic Control	@ \$8,800.00	Lump Sum	\$8,800.00
46	1,309.2	Lin. Ft. of Shaping and Grading Roadway Base	@ \$20.00	Lin. Ft.	\$26,184.00
47	2,681.8	Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter	@ \$14.50	Lin. Ft.	\$38,886.10
48	0	Lin. Ft. of Concrete Curb and Gutter Removal and Replacement	@ \$41.20	Lin. Ft.	\$0.00
49	10	Lin. Ft. of Concrete Curb - Pedestrian	@ \$41.20	Lin. Ft.	\$412.00

50	4,200	Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps	@	\$4.25	Sq. Ft.	\$17,850.00
51	5,400	Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach	@	\$4.65	Sq. Ft.	\$25,110.00
52	192	Sq. Ft. of Detectable Warning Field	@	\$41.20	Sq. Ft.	\$7,910.40
53	207.41	Tons of HMA Pavement, 19.0 mm, Type E-1, PG 64-28	@	\$75.20	Ton	\$15,597.23
54	149.83	Tons of HMA Pavement, 12.5 mm, Type E-1, PG 64-28	@	\$76.20	Ton	\$11,417.05
55	147.94	Tons of HMA Pavement, 9.5 mm, Type E-1, PG 64-28	@	\$77.25	Ton	\$11,428.37
56	4,138.7	Sq. Yds. of 8-Inch Concrete Pavement	@	\$27.85	Sq. Yd.	\$115,262.80
57	165.4	Sq. Ft. of 8-Inch Concrete Pavement Removal and Replacement	@	\$8.25	Sq. Ft.	\$1,364.55
58	0	Sq. Ft. of 5-Inch HMA Blend Area Pavement	@	\$6.20	Sq. Ft.	\$0.00
59	295.2	Sq. Yds. of Pavement Patching, Temporary, 2-Inch	@	\$31.00	Sq. Yd.	\$9,151.20
60	288.2	Sq. Ft. of 4-Inch HMA Pavement	@	\$14.50	Sq. Ft.	\$4,178.90
61	600.5	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch	@	\$2.50	Lin. Ft.	\$1,501.25
62	986.7	Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch	@	\$7.75	Lin. Ft.	\$7,646.93
63	176.8	Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch	@	\$10.20	Lin. Ft.	\$1,803.36
64	94.0	Lin. Ft. of Pavement Marking, White, Epoxy, 8-Inch	@	\$4.95	Lin. Ft.	\$465.30
65	1	Pavement Marking, White, Epoxy, Type 3 Arrow	@	\$325.00	Each	\$325.00
66	1	Pavement Marking, White, Epoxy, Type 2 Arrow	@	\$280.00	Each	\$280.00
67	1	Pavement Marking, White, Epoxy, Words "Only"	@	\$300.00	Each	\$300.00
68	1	Pavement Marking Removal, Arrows	@	\$62.00	Each	\$62.00
69	2,095.8	Sq. Yds. of Topsoil and Sod (Includes Stripping)	@	\$7.70	Sq. Yd.	\$16,137.66
70	0	Lin. Ft. of Silt Fence, Delivered, Installed and Maintained	@	\$5.00	Lin. Ft.	\$0.00
71	0	Straw Bales Delivered, Installed and Maintained	@	\$15.00	Each	\$0.00
72	27	Filter Fabric Inlet Protection	@	\$46.00	Each	\$1,242.00
73	0	Extra Bags of Cement for High-Early-Strength Concrete	@	\$10.30	Each	\$0.00
74	1	Bench/Invert/Trough Work Minor	@	\$580.00	Each	\$580.00
		Subtotal				\$1,183,405.07
		Retainage				\$5,000.00
		Subtotal				\$1,178,405.07
		Less Previously Paid				\$1,168,744.82
		Total Amount Due				\$9,660.25

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$9,660.25 be allowed.

Respectfully Submitted,



Fred V. Abadi, PhD., P.E.  
Director of Public Works