

August 18, 2016

TO THE BOARD OF PUBLIC WORKS
CITY OF WAUKESHA, WISCONSIN

Periodical estimate for Partial Payment No. 5 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	1,400	Lin. Ft. of 8-Inch Sanitary Sewer Relay	@ \$144.00	Lin. Ft.	\$201,600.00
14	27	Vert. Ft. of 48-Inch Diameter Sanitary Sewer Manhole	@ \$217.00	Vert. Ft.	\$5,859.00
15	37	Vert. Ft. of 48-Inch Diameter Sanitary Sewer Manhole with Outside Drop	@ \$445.00	Vert. Ft.	\$16,465.00
16	0	Sanitary Manhole Chimney Seals	@ \$525.00	Each	\$0.00
17	1,125	Lin. Ft. of 45 - 6-Inch Sanitary Lateral Replacement (Open Cut)	@ \$87.00	Lin. Ft.	\$97,875.00
18	80	Lin. Ft. of 6 - 6-Inch Sanitary Lateral Replacement (Pipe Bursting)	@ \$130.00	Lin. Ft.	\$10,400.00
19	3	Excavation and Lateral Connection at Right-of-Way (Pipe Bursting)	@ \$1,495.00	Each	\$4,485.00
20	40	Vert. Ft. of 6-Inch PVC Sanitary Lateral Riser	@ \$83.00	Vert. Ft.	\$3,320.00
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	0	Lin. Ft. of Pre-Paving Main Line Sanitary Sewer Televising	@ \$2.00	Lin. Ft.	\$0.00
25	0	Pre-Paving Sanitary Lateral Sewer Televising	@ \$206.00	Each	\$0.00
26	900	Lin. Ft. of 12-Inch Storm Sewer Lining (CIPP)	@ \$26.00	Lin. Ft.	\$23,400.00
27	45	Lin. Ft. of 24-Inch Storm Sewer (RCSP)	@ \$138.00	Lin. Ft.	\$6,210.00
28	190	Lin. Ft. of 12-Inch Storm Sewer (RCSP)	@ \$136.00	Lin. Ft.	\$25,840.00
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	65	Vert. Ft. of Standard Storm Inlets	@ \$263.00	Vert. Ft.	\$17,095.00
32	27	Vert. Ft. of Standard Storm Manhole	@ \$324.00	Vert. Ft.	\$8,748.00
33	0	Vert. Ft. of Rehabilitate Storm Manhole with Cementious Liner	@ \$350.00	Vert. Ft.	\$0.00
34	0	Chimney Replacement	@ \$790.00	Each	\$0.00
35	0	Lin. Ft. of Pre-Paving Main Line Storm Sewer Televising	@ \$2.00	Lin. Ft.	\$0.00
36	6,000	Sq. Ft. of Walk and Approach Removal	@ \$1.25	Sq. Ft.	\$7,500.00
37	2,400	Lin. Ft. of Concrete Curb and Gutter Removal	@ \$4.10	Lin. Ft.	\$9,840.00
38	3,500	Sq. Yds. of Pavement Removal - Reconstruction Areas	@ \$6.20	Sq. Yd.	\$21,700.00
39	0	Sq. Yds. of Pavement Removal - Rehabilitation Areas	@ \$6.20	Sq. Yd.	\$0.00
40	150	Lin. Ft. of Sawcutting at Pavement Limits	@ \$3.00	Lin. Ft.	\$450.00
41	2,639.31	Tons of 1 1/4-Inch Dense Aggregate	@ \$14.50	Ton	\$38,270.00
42	0	Tons of 1 1/4-Inch Crushed Stone Backfill (Includes Undercut)	@ \$10.30	Ton	\$0.00
43	0	Tons of 3-Inch Crushed Stone Backfill (Includes Undercut)	@ \$12.40	Ton	\$0.00
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	0	Lin. Ft. of Shaping and Grading Roadway Base	@ \$20.00	Lin. Ft.	\$0.00
47	0	Lin. Ft. of 30-Inch Combination Concrete Curb and Gutter	@ \$14.50	Lin. Ft.	\$0.00
48	0	Lin. Ft. of Concrete Curb and Gutter Removal and Replacement	@ \$41.20	Lin. Ft.	\$0.00
49	0	Lin. Ft. of Concrete Curb - Pedestrian	@ \$41.20	Lin. Ft.	\$0.00

50	0	Sq. Ft. of New 4-Inch Concrete Walk and Curb Ramps	@	\$4.25	Sq. Ft.	\$0.00
51	0	Sq. Ft. of New 6-Inch Concrete Walk and Drive Approach	@	\$4.65	Sq. Ft.	\$0.00
52	0	Sq. Ft. of Detectable Warning Field	@	\$41.20	Sq. Ft.	\$0.00
53	0	Tons of HMA Pavement, 19.0 mm, Type E-1, PG 64-28	@	\$75.20	Ton	\$0.00
54	0	Tons of HMA Pavement, 12.5 mm, Type E-1, PG 64-28	@	\$76.20	Ton	\$0.00
55	0	Tons of HMA Pavement, 9.5 mm, Type E-1, PG 64-28	@	\$77.25	Ton	\$0.00
56	0	Sq. Yds. of 8-Inch Concrete Pavement	@	\$27.85	Sq. Yd.	\$0.00
57	0	Sq. Ft. of 8-Inch Concrete Pavement Removal and Replacement	@	\$8.25	Sq. Ft.	\$0.00
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	0	Sq. Ft. of 4-Inch HMA Pavement	@	\$14.50	Sq. Ft.	\$0.00
61	0	Lin. Ft. of Pavement Markings, Yellow, Epoxy, 4-Inch	@	\$2.50	Lin. Ft.	\$0.00
62	0	Lin. Ft. of Pavement Markings, White, Epoxy, 6-Inch	@	\$7.75	Lin. Ft.	\$0.00
63	0	Lin. Ft. of Pavement Markings, White, Epoxy, 18-Inch	@	\$10.20	Lin. Ft.	\$0.00
64	0	Lin. Ft. of Pavement Marking, White, Epoxy, 8-Inch	@	\$4.95	Lin. Ft.	\$0.00
65	0	Pavement Marking, White, Epoxy, Type 3 Arrow	@	\$325.00	Each	\$0.00
66	0	Pavement Marking, White, Epoxy, Type 2 Arrow	@	\$280.00	Each	\$0.00
67	0	Pavement Marking, White, Epoxy, Words "Only"	@	\$300.00	Each	\$0.00
68	0	Pavement Marking Removal, Arrows	@	\$62.00	Each	\$0.00
69	0	Sq. Yds. of Topsoil and Sod (Includes Stripping)	@	\$7.70	Sq. Yd.	\$0.00
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	25	Filter Fabric Inlet Protection	@	\$46.00	Each	\$1,150.00
73	0	Extra Bags of Cement for High-Early-Strength Concrete	@	\$10.30	Each	\$0.00
74	0	Bench/Invert/Trough Work Minor	@	\$580.00	Each	\$0.00
						\$750,067.20
						\$30,860.28
						\$719,206.92
Less Previously Paid						\$618,046.92
Total Amount Due						\$101,160.00

This estimate has been checked by the Engineering Department and we recommend that the above amount of \$101,160.00 be allowed.

Respectfully Submitted,



Fred V. Abadi, PhD., P.E.

Director of Public Works