



City of Duluth

DEPARTMENT OF PUBLIC WORKS/UTILITIES
Engineering Division
211 City Hall • Duluth MN 55802
(218) 730-5200 Fax: (218) 730-5907

Date: May 07, 2010

City of Duluth Bid # 10-0224

Job Description: Reconstruction of Glenwood Street – 43rd Avenue East to 60th Avenue East

City Project No. 0647TR

S.P. 118-162-013

Addendum #2

Bid Form:

The attached Exhibit A includes two new line items (Remove Gas Main and Manhole Vacuum Testing) and replaces the Exhibit A in the bound Project Proposal. Complete the attached Exhibit A and include it with your bid.

Specifications:

SP-34 shall be removed in its entirety. Manhole Vacuum Testing refers to the City of Duluth's Standard Construction Specifications 2009 section 2506 Manhole Vacuum Testing.

SP-13 is hereby replaced with the following:

- SP-13 (2103) SURVEY EQUIPMENT
This work shall be performed in accordance with the applicable City of Duluth Standard Specifications and the following:
- SP-13.1 The Contractor shall furnish the City with TWO (2) Survey grade GPS units with data collectors and two spare sets of rechargeable batteries.
- SP-13.2 Furnished GPS units need to be capable of listening to up to 220 channels including L1, L2, L2C, L5, Glonass and Galileo; and DTM's to the Civil 3D export list
- SP-13.3 Furnished GPS units need to be WAAS enabled; Integrated GPS antenna; GPS receiver; Bluetooth Technology; Li-Ion Battery; and 1 Hz, 2 Hz, 5 Hz, and 10 Hz Positioning
- SP-13.4 Furnished GPS units must be able to Input and Output CMRx, CMR+, CMRII, RCTCM 3.0 formats; broadcast Real Time corrections at the same time logging

- Static Observations for Processing; operate in Temperatures of -40°F to 149°F; and take a 2 meter drop to concrete
- SP-13.5 Furnished GPS units must have completely cable-free design capabilities; be able to fully integrate with existing S6 and 5600 Robotic Total Stations; be able to be used on the MnDOT VRS Network; and operate with existing TSC2 Survey Controller (V 12.46).
- SP-13.6 Equipment must be furnished and functional at the start of construction and throughout the duration of the Contract. If the equipment becomes unusable for any reason, the Contractor is allowed 3 days for repair or replacement. If the Contractor fails to provide the equipment within the 3 day limit, the Contractor shall be subject to a monetary deduction of \$500.00 per day per unit.
- SP-13.7 The Contractor shall provide field support personnel capable of instructing City of Duluth inspection personnel on proper use and operation of the equipment as needed throughout the duration of the Project.
- SP-13.8 The equipment will remain the property of the Contractor. However, the Contractor shall determine residual value of the equipment unit based on the portion of the bid price unit accumulated rental cost of the equipment vendor versus purchase price and shall make the equipment available to the City of Duluth for option to purchase at the residual value at the completion of the Contract.
- SP-13.9 No measurement will be made of the various Items that constitute Survey Equipment but furnishing all such items as specified will be construed to be included in the single Lump Sum payment under Item 2013.601 (Survey Equipment). Such payment shall be considered full compensation for all costs of providing, repairing, and maintaining the equipment.

Plansheets:

Replace Sheet No. 2 and 3 with attached Sheet No. 2R and 3R.

All other items remain the same.

Be sure to acknowledge this addendum and all others on the back cover sheet of your bid. Return the entire bound Project Proposal and all addenda as your bid.

Sincerely,

A handwritten signature in black ink, reading "Matthew J. Decur". The signature is written in a cursive style with a large, stylized 'M' and 'D'.

Matt Decur
Project Engineer

BID # 10-0224 CITY OF DULUTH PROJECT # 0647TR
 RECONSTRUCTION OF GLENWOOD STREET
 S.P. 118-162-013

EXHIBIT A

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
1	2013.601	SURVEY EQUIPMENT	LUMP SUM	1.00		
2	2021.501	MOBILIZATION	LUMP SUM	1.00		
3	2101.502	CLEARING	TREE	83.00		
4	2101.507	GRUBBING	TREE	83.00		
5	2101.511	CLEARING AND GRUBBING	LUMP SUM	1.00		
6	2104.501	REMOVE CURB AND GUTTER	LIN FT	13,819.00		
7	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	4,813.00		
8	2104.501	REMOVE SEWER PIPE (SANITARY)	LIN FT	2,320.00		
9	2104.501	REMOVE WATERMAIN	LIN FT	458.30		
10	2104.501	REMOVE FENCE	LIN FT	176.00		
11	2104.501	REMOVE GASMAIN	LIN FT	885.00		
12	2104.501	REMOVE CONCRETE STEPS	CU YD	5.90		
13	2104.503	REMOVE CONCRETE SIDEWALK	SQ FT	36,312.00		
14	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	29,350.00		
15	2104.505	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	387.50		
16	2104.505	REMOVE CONCRETE PAVEMENT	SQ YD	23,308.00		
17	2104.505	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	803.20		
18	2104.509	REMOVE HYDRANT	EACH	5.00		
19	2104.509	REMOVE GATE VALVE & BOX	EACH	12.00		
20	2104.509	REMOVE CATCH BASIN	EACH	55.00		
21	2104.509	REMOVE MANHOLE	EACH	44.00		
22	2104.509	REMOVE CURB STOP & BOX	EACH	134.00		
23	2104.509	REMOVE SIGN	EACH	45.00		
24	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	1,667.20		
25	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	1,484.90		
26	2104.523	SALVAGE CASTING	EACH	99.00		
27	2104.523	SALVAGE SIGN	EACH	17.00		
28	2104.603	ABANDON WATER MAIN	LIN FT	3,773.00		
29	2105.501	COMMON EXCAVATION (P)	CU YD	33,831.00		
30	2105.522	SELECT GRANULAR BORROW MOD 7% (CV)	CU YD	19,541.00		
31	2105.604	GEOTEXTILE FABRIC TYPE V	SQ YD	35,381.00		

INITIAL _____

BID # 10-0224

CITY OF DULUTH PROJECT # 0647TR

RECONSTRUCTION OF GLENWOOD STREET

S.P. 118-162-013

EXHIBIT A

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
32	2211.502	AGGREGATE BASE (LV) CLASS 5	CU YD	2,000.00		
33	2211.503	AGGREGATE BASE (CV) CLASS 5 (P)	CU YD	7,862.00		
34	2360.501	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	3,547.00		
35	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	8,133.00		
36	2360.505	TYPE SP 9.5 BITUMINOUS MIXTURE FOR PATCHING	TON	143.90		
37	2451.503	GRANULAR BACKFILL (CV)	CU YD	2,500.00		
38	2451.511	COARSE FILTER AGGREGATE (CV)	CU YD	500.00		
39	2501.515	12" RC PIPE APRON	EACH	3.00		
40	2501.515	15" RC PIPE APRON	EACH	2.00		
41	2502.521	10" PVC PIPE DRAIN	LIN FT	1,814.40		
42	2502.541	4" PERFORATED PVC PIPE DRAIN	LIN FT	13,446.00		
43	2502.541	8" PERFORATED PVC PIPE DRAIN	LIN FT	380.00		
44	2502.602	10" PVC PIPE DRAIN CLEANOUT	EACH	28.00		
45	2502.602	YARD DRAIN	EACH	24.00		
46	2503.511	8" PVC PIPE SEWER SDR 35	LIN FT	6,418.90		
47	2503.511	12" PVC PIPE SEWER SDR 35	LIN FT	278.90		
48	2503.511	15" PVC PIPE SEWER SDR 35	LIN FT	105.40		
49	2503.511	6" PVC PIPE SEWER SERVICE SDR 35	LIN FT	5,643.00		
50	2503.541	12" RC SEWER PIPE DESIGN 3006, CLASS III	LIN FT	4,837.00		
51	2503.541	15" RC SEWER PIPE DESIGN 3006, CLASS III	LIN FT	1,012.40		
52	2503.541	18" RC SEWER PIPE DESIGN 3006, CLASS III	LIN FT	227.30		
53	2503.541	24" RC SEWER PIPE DESIGN 3006, CLASS III	LIN FT	626.20		
54	2503.602	CONNECT TO EXISTING SANITARY SEWER SERVICE	EACH	151.00		
55	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	8.00		
56	2503.602	MAGNETIZED TRACER BOX	EACH	151.00		
57	2503.602	8" X 6" PVC WYE SDR 35	EACH	151.00		
58	2503.603	CONSTRUCT 8" INSIDE DROP	LIN FT	4.00		
59	2504.601	TEMPORARY WATER SERVICE	LUMP SUM	1.00		
60	2504.602	ADJUST VALVE & BOX	EACH	5.00		
61	2504.602	0.75" TAPPING TEE WITH ELECTROFUSION SADDLE	EACH	77.00		

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RECONSTRUCTION OF GLENWOOD STREET

S.P. 118-162-013

EXHIBIT A

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
62	2504.602	1.0" TAPPING TEE WITH ELECTROFUSION SADDLE	EACH	47.00		
63	2504.602	1.25" TAPPING TEE WITH ELECTROFUSION SADDLE	EACH	3.00		
64	2504.602	0.75" CURB STOP & BOX	EACH	77.00		
65	2504.602	1.0" CURB STOP & BOX	EACH	47.00		
66	2504.602	1.25" CURB STOP & BOX	EACH	3.00		
67	2504.602	HYDRANT	EACH	12.00		
68	2504.602	6" GAVE VALVE AND BOX	EACH	2.00		
69	2504.602	8" GATE VALVE AND BOX	EACH	11.00		
70	2504.602	10" GATE VALVE AND BOX	EACH	7.00		
71	2504.602	CONNECT TO EXISTING WATERMAIN	EACH	12.00		
72	2504.602	CONNECT TO EXISTING WATER SERVICE	EACH	128.00		
73	2504.602	MAGNETIZED TRACER BOX	EACH	127.00		
74	2504.603	0.75" HDPE SDR 11 TAP SERVICE PIPE	LIN FT	2,533.00		
75	2504.603	1.0" HDPE SDR 11 TAP SERVICE PIPE	LIN FT	1,584.00		
76	2504.603	1.25" HDPE SDR 11 TAP SERVICE PIPE	LIN FT	123.00		
77	2504.603	8" DIPS HDPE WATERMAIN SDR 11	LIN FT	3,107.90		
78	2504.603	10" DIPS HDPE WATERMAIN SDR 11	LIN FT	2,471.80		
79	2504.603	8" DIPS DIRECTIONAL DRILL WATERMAIN SDR 11	LIN FT	380.00		
80	2504.603	10" DIPS DIRECTIONAL DRILL WATERMAIN SDR 11	LIN FT	100.00		
81	2504.604	3" POLYSTYRENE INSULATION	SQ YD	43.20		
82	2504.608	WATERMAIN FITTINGS	POUND	576.00		
83	2505.603	3" HP POLYETHYLENE GAS MAIN	LIN FT	2,175.00		
84	2505.603	6" HP POLYETHYLENE GAS MAIN	LIN FT	670.00		
85	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 4007C	LIN FT	278.80		
86	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	134.82		
87	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	317.80		
88	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	11.32		
89	2506.516	CASTING ASSEMBLY	EACH	122.00		
90	2506.602	MANHOLE FRAME SEAL	EACH	27.00		
91	2506.602	MANHOLE VACUUM TESTING	EACH	27.00		
92	2506.602	CONNECT TO EXISTING STORM SEWER	EACH	13.00		

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RECONSTRUCTION OF GLENWOOD STREET

S.P. 118-162-013

EXHIBIT A

LINE NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE	TOTAL PRICE
93	2511.501	RANDOM RIP RAP CLASS II	CU YD	33.00		
94	2521.501	4" CONCRETE WALK	SQ FT	58,361.00		
95	2521.501	6" CONCRETE WALK	SQ FT	2,730.00		
96	2521.501	7" CONCRETE WALK	SQ FT	5,305.20		
97	2531.501	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	14,017.00		
98	2531.507	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	1,599.60		
99	2531.521	STRUCTURAL CONCRETE	CU YD	7.20		
100	2531.618	TRUNCATED DOMES	SQ FT	696.00		
101	2540.602	INSTALL MONUMENT BOX	EACH	3.00		
102	2563.601	TRAFFIC CONTROL	LUMP SUM	1.00		
103	2563.601	DETOUR SIGNING	LUMP SUM	1.00		
104	2564.533	FURNISH SIGN PANELS TYPE C	SQ FT	267.10		
105	2564.536	INSTALL SIGN PANELS TYPE C	EACH	65.00		
106	2564.537	INSTALL SIGN TYPE C	EACH	17.00		
107	2571.502	DECIDUOUS TREE 2.5" CAL B&B	EACH	229.00		
108	2571.602	TREE PRUNING	EACH	27.00		
109	2572.502	CLEAN ROOT CUTTING	LIN FT	735.00		
110	2573.502	SILT FENCE, TYPE HEAVY DUTY	LIN FT	3,040.00		
111	2573.530	STORM DRAIN INLET PROTECTION	EACH	76.00		
112	2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	4.00		
113	2573.602	TEMPORARY SEDIMENT TRAP	EACH	2.00		
114	2575.505	SODDING TYPE LAWN	SQ YD	11,237.00		
115	2580.603	INTERIM PAVEMENT MARKING	LIN FT	22,600.00		
116	2582.501	PAVT MSSG (RT ARROW) POLY PREFORM (GROUND IN)	EACH	1.00		
117	2582.501	PAVT MSSG (THRU ARROW) POLY PREFORM (GROUND IN)	EACH	1.00		
118	2582.502	24" STOP LINE WHITE- POLY PREFORM (GROUND IN)	LIN FT	440.00		
119	2582.502	4" SOLID LINE WHITE- EPOXY	LIN FT	11,300.00		
120	2582.502	4" DOUBLE SOLID LINE YELLOW - EPOXY	LIN FT	5,650.00		
121	2582.502	12" SOLID LINE WHITE POLY PREFORM (GROUND IN)	LIN FT	1,680.00		

INITIAL

TOTAL