



**Purchasing Division**  
*Finance Department*  
Room 120  
411 West First Street  
Duluth, Minnesota 55802

218-730-5340  
purchasing@duluthmn.gov

**Addendum 3**  
**Solicitation 20-99323**  
**2020 Street Preservation Project**

This addendum serves to notify all bidders of the following changes to the solicitation documents:

**1. CHANGES TO PROJECT MANUAL**

- a. Bid items have been updated in the Bid Express solicitation due to a change in scope of work included in the project.

**2. CHANGES TO DRAWINGS**

- a. See attached Sheet 1 which is the plan cover sheet/index. Please note that the City of Duluth is revising the work scope for the project, and that those streets lined out on the index are being removed from the work for this project.
- b. See attached Sheets 2, 3, and 4 which reflect those segments being removed from the work for the project on each of the maps.
- c. See attached Sheets 5-9 (Statement of Estimated Quantities) which are updated to reflect the streets which are being removed from the project. The new totals for pay items show what is to be included in the revised scope of work.
- d. A list of the street segments and plan sheets being removed from the project is as follows:

Overlays

- i. Vermilion Rd, current end of pavement to Claymore Street (Sheets 23-31)
- ii. Elk Street, Vermilion Rd to Lochaire Avenue (Sheets 32-36)
- iii. Millland Avenue West, TH23 to Mission Creek Parkway (Sheets 104-108)
- iv. Vermilion Rd, Oxford (end concrete) to end pavement (Sheets 135-139)
- v. Stuart Court, Brookline Street to West St. Marie Street (Sheets 140-144)
- vi. Melrose Avenue, Arrowhead Road to Brookline Street (Sheets 140-145)
- vii. Restormel Street, 3<sup>rd</sup> Street to dead end (West of Anson Avenue) (Sheets 162-166)

### Reclaims

- viii. Norton Road, Howard Gnesen Road to Rice Lake Road (Sheets 189-202)
- ix. West 5<sup>th</sup> Avenue, 4<sup>th</sup> Street to 6<sup>th</sup> Street (Sheets 203-206)

### 3. CLARIFICATIONS/ADDITIONS

- a. There are a few typical sections shown in the plans that indicate that a SP 9.5 Wearing Course mixture shall be placed over a lift of SP 12.5 Wearing Mixture. All lifts of bituminous pavement are to be constructed of SP 9.5 Wearing Course Mixture as indicated in the Statement of Estimated Quantities and bid form.
- b. The pay item for Casting Assembly indicates 10 castings to be furnished and installed on the project. The castings to be installed on Design G catch basins shall conform to City of Duluth Detail STRM 3-B, and are considered incidental to the Catch Basin Design G pay item (per spec). Contractor shall provide for furnishing and installing ten (10) additional castings of this type (STRM 3-B, 24-inch by 24-inch) to be installed as replacements for broken casting assemblies as needed during project construction.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the [www.bidexpress.com](http://www.bidexpress.com) solicitation. Failure to acknowledge this addendum may disqualify your bid.

Posted: **April 14, 2020**



1:30 PM

3/10/2020

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# CITY OF DULUTH

## DEPARTMENT OF PUBLIC WORKS AND UTILITIES ENGINEERING DIVISION

CONSTRUCTION PLANS FOR: OVERLAY, MILL & OVERLAY, RECLAIMING, GRADING, CURB & GUTTER, ADA IMPROVEMENTS

### GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION  
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.  
AVAILABLE AT:  
<http://www.dot.state.mn.us/pre-letting/spec/index.html>

THE 2019 EDITION OF  
THE CITY OF DULUTH PUBLIC WORKS AND UTILITIES DEPARTMENT  
CONSTRUCTION STANDARDS AND SUPPLEMENTS OR ADDENDUMS SHALL APPLY.  
AVAILABLE AT:  
<http://www.duluthmn.gov/engineering/standard-construction-specifications/>

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MN  
MUTCD, INCLUDING THE FIELD MANUAL DATED JANUARY 2018  
AVAILABLE AT:  
<http://www.dot.state.mn.us/trafficeng/publ/fieldmanual/index.html>

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY LEVEL D.  
THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF  
CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND  
DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

### INDEX

SHEET NO.	DESCRIPTION
1	TITLE
2-4	PROJECT LOCATION MAPS
5-9	STATEMENT OF ESTIMATED QUANTITIES
10	LEGEND-NOTES-TAB INDEX
11	EROSION CONTROL
12	PAVING AND PAVEMENT MARKING DETAILS
13-18	ADA STANDARD PLANS
19-110	OVERLAYS (BY STREET - TABULATIONS, TYPICAL SECTIONS, CONSTRUCTION PLANS)
111-185	MILL & OVERLAYS (BY STREET - TABULATIONS, TYPICAL SECTIONS, CONSTRUCTION PLANS)
186-228	RECLAIMS (BY STREET - TABULATIONS, TYPICAL SECTIONS, CONSTRUCTION PLANS)
229-247	TRAFFIC CONTROL

THIS PLAN CONTAINS 247 SHEETS

### DESIGN TEAM

CJL, JSG, TSM

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY  
DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL  
ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JEFF S. GOETZMAN

PROJECT ENGINEER (TYPED OR PRINTED NAME)

PROJECT ENGINEER 03-13-2020 26422  
DATE LIC. NO.

### CITY APPROVAL

APPROVED 3/13/2020  
CHIEF ENGINEER OF TRANSPORTATION DATE

APPROVED 3-13-2020  
CHIEF ENGINEER OF UTILITIES DATE

APPROVED 3-13-20  
CITY ENGINEER DATE

### OVERLAYS

LOCATED ON NORWOOD ST.	FROM 47TH AVE E.	TO 48TH AVE E.	SHEETS 20 TO 22	LENGTH 700.0 FEET	0.133 MILES
LOCATED ON VERMILION RD	FROM END OF PAVEMENT	TO CLAYMORE ST.	SHEETS 23 TO 31	LENGTH 8087.3 FEET	1.150 MILES
LOCATED ON ELK ST.	FROM VERMILION RD	TO LOCHAIRE AVE	SHEETS 32 TO 36	LENGTH 3671.07 FEET	0.695 MILES
LOCATED ON SOUTH RD	FROM HOWARD GNESEN RD	TO KENWOOD DR.	SHEETS 37 TO 40	LENGTH 2335.1 FEET	0.442 MILES
LOCATED ON KENWOOD AVE	FROM SOUTH RD	TO CATHERINE AVE	SHEETS 41 TO 43	LENGTH 739.05 FEET	0.140 MILES
LOCATED ON W 6TH ST	FROM 466 FT EAST OF 8TH AVE W.	TO 932 FT EAST OF 8TH AVE W.	SHEETS 44 TO 46	LENGTH 556.0 FEET	0.105 MILES
LOCATED ON TYROL ST	FROM CUL-DE-SAC	TO HUTCHINSON RD	SHEETS 47 TO 51	LENGTH 1435.0 FEET	0.272 MILES
LOCATED ON HILLCREST DR	FROM GEARHART ST.	TO SPRINGVALE RD	SHEETS 52 TO 61	LENGTH 3037.85 FEET	0.575 MILES
LOCATED ON MEDINA ST.	FROM CENTRAL AVE W	TO W 8TH ST.	SHEETS 62 TO 68	LENGTH 519.75 FEET	0.098 MILES
LOCATED ON MEDINA ST.	FROM W 6TH ST.	TO W 7TH ST.	SHEETS 62 TO 68	LENGTH 381.25 FEET	0.072 MILES
LOCATED ON N 46TH AVE W.	FROM W 8TH ST.	TO MEDINA ST.	SHEETS 65 TO 68	LENGTH 135.0 FEET	0.026 MILES
LOCATED ON N 56TH AVE W.	FROM HIGHLAND ST.	TO MEDINA ST.	SHEETS 69 TO 71	LENGTH 432.25 FEET	0.082 MILES
LOCATED ON E CARTERETT ST.	FROM COMMONWEALTH AVE	TO GATE	SHEETS 72 TO 74	LENGTH 348.1 FEET	0.066 MILES
LOCATED ON PRESCOTT ST.	FROM TH 23	TO DEAD END EAST	SHEETS 75 TO 80	LENGTH 1561.0 FEET	0.296 MILES
LOCATED ON 96TH AVE W.	FROM HEARD ST.	TO PRESCOTT ST.	SHEETS 81 TO 84	LENGTH 739.28 FEET	0.140 MILES
LOCATED ON 97TH AVE W.	FROM PRESCOTT ST.	TO MCCUEN ST.	SHEETS 85 TO 87	LENGTH 387.45 FEET	0.073 MILES
LOCATED ON HEARD ST.	FROM TH 23	TO DEAD END EAST	SHEETS 88 TO 93	LENGTH 1557.85 FEET	0.295 MILES
LOCATED ON W SKYLINE PKWY	FROM CSAH 14	TO 100TH AVE W.	SHEETS 94 TO 103	LENGTH 9240.0 FEET	1.750 MILES
LOCATED ON 131ST AVE W	FROM TH 23	TO MISSION CR. PKWY.	SHEETS 104 TO 108	LENGTH 1883.0 FEET	0.357 MILES
LOCATED ON W 9TH ST.	FROM 128TH AVE W.	TO 131ST AVE W.	SHEETS 109 TO 112	LENGTH 1406.0 FEET	0.266 MILES

### MILL & OVERLAYS

LOCATED ON OAKLEY ST.	FROM 43RD AVE E.	TO 47TH AVE E.	SHEETS 114 TO 118	LENGTH 1790.9 FEET	0.339 MILES
LOCATED ON NORWOOD ST.	FROM 43RD AVE E.	TO 47TH AVE E.	SHEETS 119 TO 123	LENGTH 1525.00 FEET	0.288 MILES
LOCATED ON CROSLY AVE	FROM GLENWOOD AVE	TO AVONDALE ST.	SHEETS 124 TO 128	LENGTH 2058.6 FEET	0.390 MILES
LOCATED ON N 47TH AVE E	FROM GLENWOOD AVE	TO NORWOOD ST.	SHEETS 129 TO 134	LENGTH 1508.68 FEET	0.286 MILES
LOCATED ON VERMILION RD	FROM OXFORD AVE	TO END OF PAVEMENT	SHEETS 135 TO 139	LENGTH 1716.2 FEET	0.325 MILES
LOCATED ON STUART CT	FROM ST. MARIE ST.	TO BROOKLINE RD.	SHEETS 140 TO 144	LENGTH 602.70 FEET	0.114 MILES
LOCATED ON MELROSE AVE	FROM BROOKLINE RD	TO ARROWHEAD RD.	SHEETS 140 TO 145	LENGTH 842.64 FEET	0.122 MILES
LOCATED ON BASSWOOD AVE	FROM ORANGE ST.	TO QUINCE ST.	SHEETS 146 TO 148	LENGTH 502.05 FEET	0.095 MILES
LOCATED ON ADIRONDACK ST	FROM HUTCHINSON RD	TO PIEDMONT AVE	SHEETS 149 TO 153	LENGTH 1873.0 FEET	0.355 MILES
LOCATED ON WELLINGTON ST.	FROM PACIFIC AVE	TO GRAND FORKS AVE	SHEETS 154 TO 157	LENGTH 1073.5 FEET	0.203 MILES
LOCATED ON EXETER ST.	FROM PACIFIC AVE	TO GRAND FORKS AVE	SHEETS 158 TO 161	LENGTH 1016.5 FEET	0.193 MILES
LOCATED ON RESTORMEL ST.	FROM THIRD ST.	TO ANSON AVE	SHEETS 162 TO 166	LENGTH 1535.35 FEET	0.291 MILES
LOCATED ON PACIFIC AVE	FROM THIRD ST	TO EXETER ST.	SHEETS 167 TO 172	LENGTH 1130.25 FEET	0.214 MILES
LOCATED ON W MICHIGAN ST.	FROM 17-1/2 AVE W	TO 21-1/2 AVE W	SHEETS 173 TO 177	LENGTH 1924.25 FEET	0.364 MILES
LOCATED ON S 63RD AVE W	FROM GRAND AVE	TO RAILROAD TRACKS	SHEETS 178 TO 183	LENGTH 1420.25 FEET	0.269 MILES
LOCATED ON 78TH AVE W	FROM TH 23	TO RAILROAD TRACKS	SHEETS 184 TO 187	LENGTH 1367.6 FEET	0.259 MILES

### RECLAIMS

LOCATED ON NORTON RD	FROM RICE LAKE RD	TO HOWARD GNESEN RD.	SHEETS 189 TO 202	LENGTH 21687.47 FEET	4.107 MILES
LOCATED ON W 5TH AVE	FROM W 4TH ST	TO W 6TH ST	SHEETS 203 TO 206	LENGTH 11640.9 FEET	2.205 MILES
LOCATED ON BASSWOOD AVE	FROM CENTRAL ENTRANCE	TO W IDEAL ST.	SHEETS 207 TO 213	LENGTH 651.74 FEET	0.123 MILES
LOCATED ON MULBERRY ST.	FROM BASSWOOD AVE	TO ARLINGTON AVE	SHEETS 214 TO 217	LENGTH 3227.74 FEET	0.611 MILES
LOCATED ON STANFORD AVE	FROM SWAN LAKE RD	TO TERRACE ST.	SHEETS 218 TO 221	LENGTH 644.97 FEET	0.122 MILES
LOCATED ON W IDEAL ST.	FROM JOSHUA AVE	TO EKLUND AVE	SHEETS 222 TO 226	LENGTH 1194.00 FEET	0.226 MILES
LOCATED ON MEDINA ST.	FROM N 57TH AVE W.	TO CENTRAL AVE W.	SHEETS 227 TO 230	LENGTH 1251.8 FEET	0.237 MILES
	SCALES			LENGTH 662.5 FEET	0.125 MILES
				LENGTH 19273.65 FEET	3.649 MILES

REMOVED BY ADDENDUM 3:  
04/14/2020

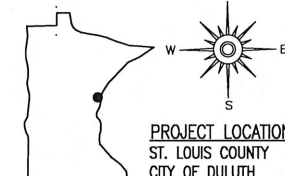
LOCATED ON VERMILION RD

PLAN	40'
INDEX MAP	3325'
ADA PLAN	40'

CITY OF DULUTH, NO. 1692

GROSS LENGTH 78,113.42 FEET 14.789 MILES  
BRIDGES-LENGTH NA FEET NA MILES  
EXCEPTIONS-LENGTH 000 FEET 0.000 MILES  
NET LENGTH 78,113.42 FEET 14.789 MILES

LOCATION OF UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR.  
CALL BEFORE DIGGING. GOPHER STATE ONE CALL 1-800-252-1166  
REQUIRED BY LAW



SCALE 1" = 2500'

CITY OF DULUTH PROJ. NO 1692

SHEET NO. 1 OF 247 SHEETS

PLAN REVISIONS		
DATE	SHEET NO.	APPROVER



11 E. Superior Street,  
Suite 420  
Duluth, MN 55802  
218.724.8578  
tkda.com







— Sales Tax Street Projects

# 2020 Street Projects West

REMOVED BY ADDEDUM 3

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Date Created: 9/16/2019

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE:

Jeffrey S. Goetzman  
TYPE NAME

DATE: 03/13/2020

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.: 1692

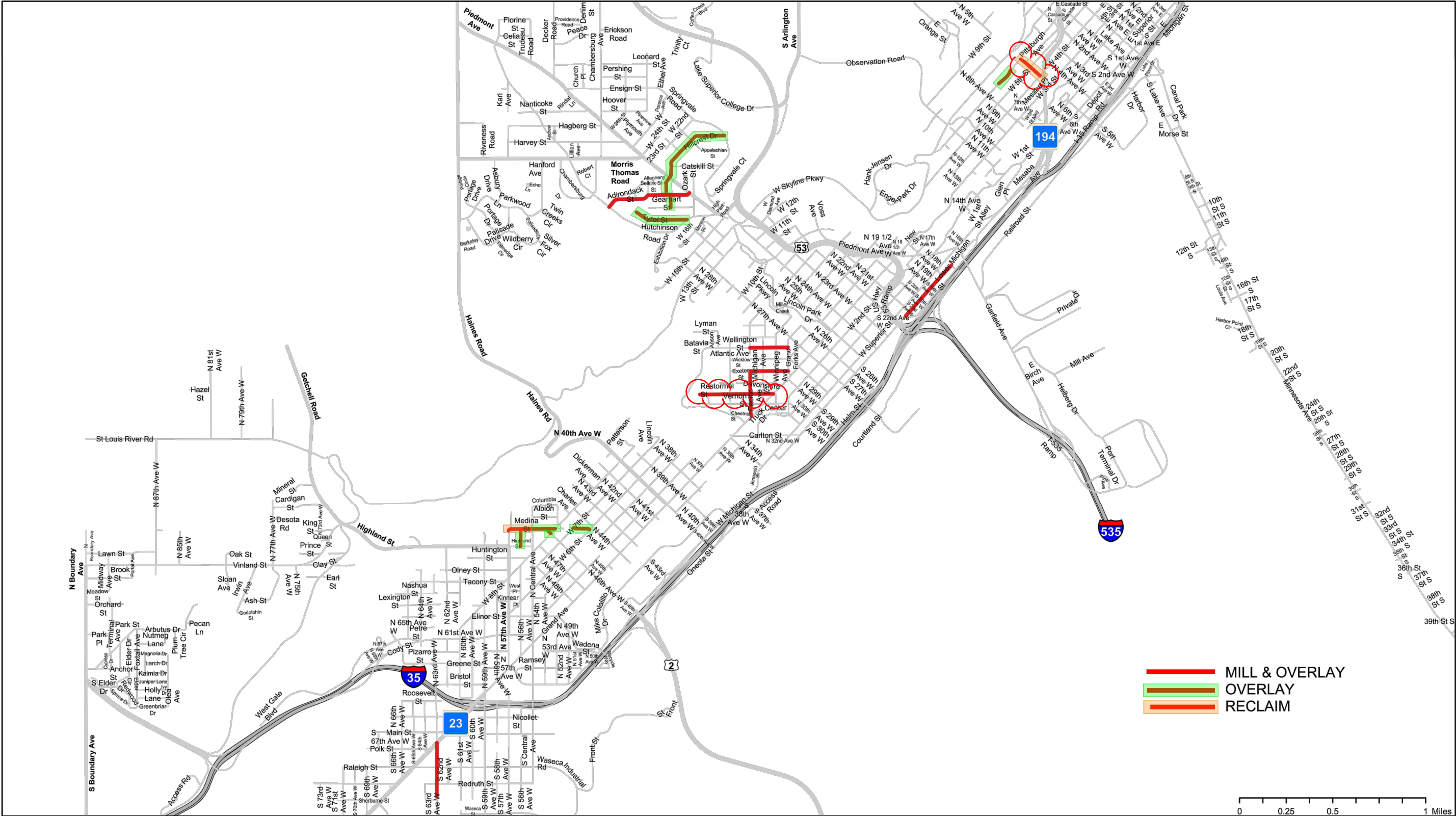
STATE AID PROJECT NO.: N/A

DRAWN BY: CJL

PROJECT LOCATIONS - WEST

SHEET NO. 2 OF 247





— Sales Tax Street Projects

## 2020 Street Projects Central

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SIGNATURE:

Jeffrey S. Goetzman  
TYPE NAME

DATE: 03/13/2020

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.: 1692

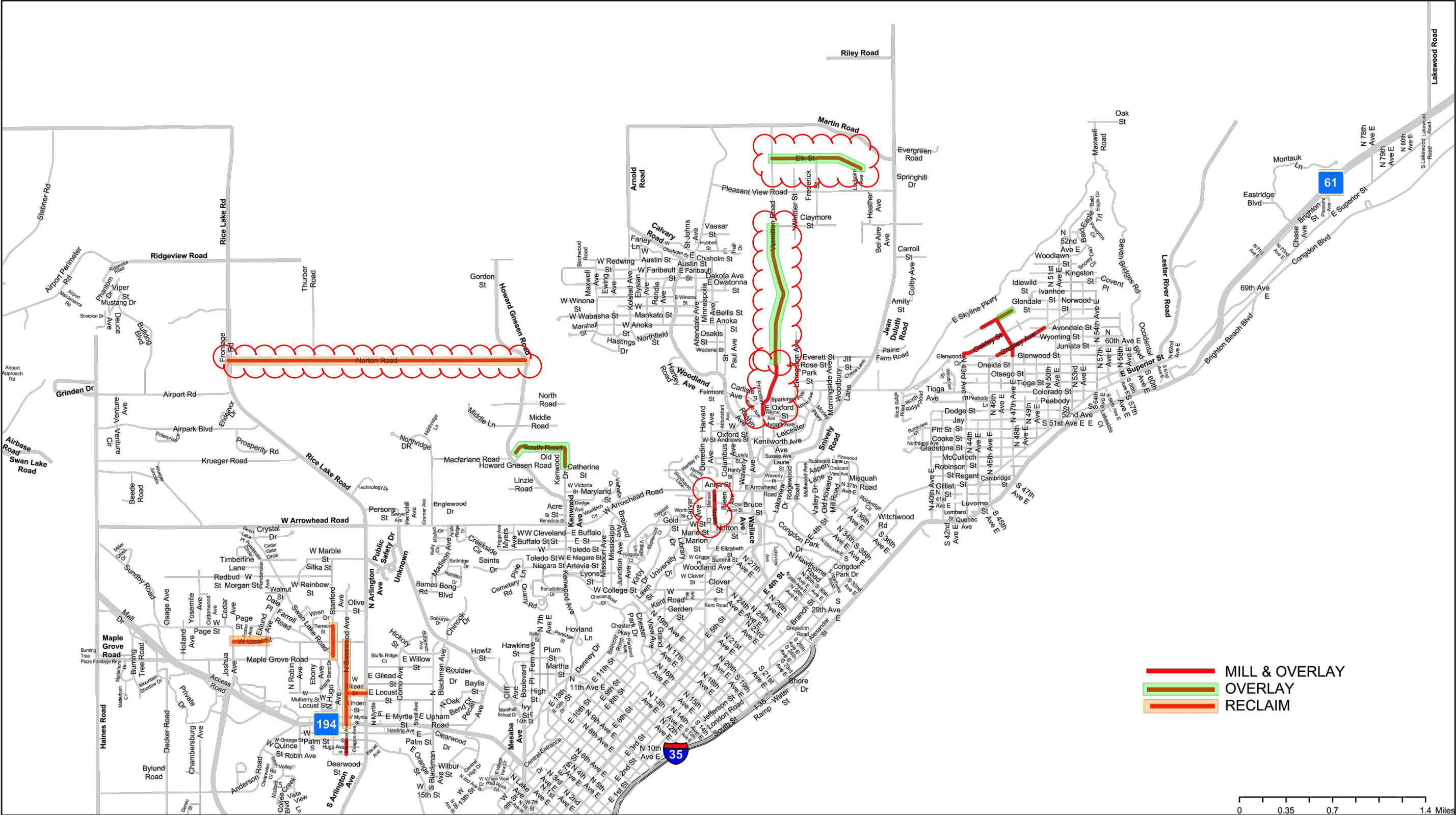
STATE AID PROJECT NO.: N/A

DRAWN BY: CJL

PROJECT LOCATIONS - CENTRAL

SHEET NO. 3 OF 247

Date Created: 9/16/2019



— Sales Tax Street Projects

# 2020 Street Projects East

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Date Created: 9/16/2019

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SIGNATURE:

Jeffrey S. Goetzman  
TYPE NAME

DATE: 03/13/2020

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.: 1692

STATE AID PROJECT NO.: N/A

DRAWN BY: CJL

PROJECT LOCATIONS - EAST

SHEET NO. 4 OF 247



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4/14/2020

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STATEMENT OF ESTIMATED QUANTITIES

OVERLAYS

ITEM NO.	NOTE ON SHEET 10	CHART LETTER	SPEC NO.	ITEM	UNIT	TOTAL	Vermilion Rd - End of Pavement to Claymore	Elk St - Vermilion Rd to Lochaire	South Rd - Howard Gnesen to Kenwood Dr	Kenwood Dr - Catherine to South Road	Tyrol - Hutchinson to Cul-de-Sac	Hillcrest - Gearhart to Springvale	131st Ave W - TH 23 to Mission Creek Parkway	Medina St - 6th St to 7th St & N Central Ave to 8th	N 46th Ave W - 8th St. to Medina St.	Prescott St. - TH 23 to 96th Ave W
1			2021.501	MOBILIZATION	LUMP SUM	1	0.024	0.024	0.030	0.030	0.030	0.030	0.024	0.030	0.030	0.030
2		A	2104.502	REMOVE CATCH BASIN	EACH	7	0	0	0	0	0	0	0	0	0	0
3		A	2104.502	SALVAGE SIGN TYPE C	EACH	9	0	0	0	0	0	0	0	0	0	0
4		A	2104.503	REMOVE PIPE CULVERTS	LIN FT	144	38	0	0	0	0	0	0	0	0	0
5	3	A	2104.503	REMOVE CURB AND GUTTER	LIN FT	5239	0	0	0	0	115	0	0	0	0	0
6	3	A	2104.518	REMOVE CONCRETE WALK	SQ FT	14197	0	0	0	0	0	0	0	98	0	917
7	3	A	2104.518	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	172	0	0	0	0	0	0	0	0	0	0
8	3	A	2104.518	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1037	59	0	0	0	0	0	0	0	0	0
9		C	2105.507	COMMON EXCAVATION	CU YD	408	5	0	384	11	0	0	3	7	0	0
10	15	C	2105.603	CONSTRUCT DRAINAGE DITCH	LIN FT	26	350	0	0	0	0	0	0	0	0	0
11	13	C, D	2118.509	AGGREGATE SURFACING CLASS 5	CU YD	291	11	10	22	4	0	13	8	0	0	16
12	10	B	2123.510	MOTOR GRADER	HOURL	36	40	0	12	0	0	0	0	0	0	0
13	10	B	2123.612	COMPACTOR	HOURL	36	40	0	12	0	0	0	0	0	0	0
14		B	2130.523	WATER	M GALLON	27	27	0	8	0	0	0	0	0	0	0
15	7	B	2131.506	CALCIUM CHLORIDE SOLUTION	GALLON	5179	0	0	0	0	0	0	0	0	0	0
16	1	B	2215.504	FULL DEPTH RECLAMATION	SQ YD	20705	0	0	0	0	0	0	0	0	0	0
17	19	C	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	0	0	0	0	0	0	0	0	0	0	0
18	16, 17	D	2231.509	BITUMINOUS PATCHING MIXTURE	TON	2247	399	98	127	24	56	108	82	30	6	56
19	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (1.5")	SQ YD	44736	0	0	0	0	0	0	0	0	0	0
20	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	16304	0	0	0	0	0	0	0	0	0	0
21	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (3.0")	SQ YD	3174	0	0	0	0	0	0	0	0	0	0
22	6, 8, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	15810	3987	983	1268	236	559	1082	821	304	55	563
23	6, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	4407	0	0	0	0	0	0	0	0	0	0
24	20	F	2501.502	12" CS PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0	0
25	20	F	2501.502	15" CS PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0	0
26	20	F	2501.502	18" CS PIPE APRON	EACH	0	2	0	0	0	0	0	0	0	0	0
27	20	F	2501.502	12" RC PIPE APRON	EACH	1	0	0	0	0	0	0	0	0	0	0
28	20	F	2501.502	18" RC PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0	0
29	20	F	2501.503	12" CS PIPE CULVERT	LIN FT	22	0	0	0	0	0	0	0	0	0	0
30	20	F	2501.503	15" CS PIPE CULVERT	LIN FT	40	0	0	0	0	0	0	0	0	0	0
31	20	F	2501.503	18" CS PIPE CULVERT	LIN FT	0	38	0	0	0	0	0	0	0	0	0
32	20	F	2501.503	12" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	106	0	0	0	0	0	0	0	0	0	0
33	20	F	2501.503	18" RCP PIPE CULVERT DESIGN 3006 CLASS V	EACH	40	0	0	0	0	0	0	0	0	0	0
34		F	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	8	0	0	0	0	0	0	0	0	0	0
35	5	F	2504.602	ADJUST VALVE BOX	EACH	19	1	0	0	0	3	4	15	0	0	2
36		F	2504.602	CONCRETE ENCASED VALVE BOX COLLAR	EACH	12	0	0	0	0	0	0	0	0	0	0
37	20	F	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	EACH	7	0	0	0	0	0	0	0	0	0	0
38		F	2506.502	CASTING ASSEMBLY	EACH	7	0	0	0	0	0	0	0	0	0	0
39		F	2506.602	CONCRETE ENCASED CASTING COLLAR	EACH	28	0	0	0	0	0	0	0	0	0	0
40	12	F	2506.602	ADJUST FRAME AND RING CASTING	EACH	68	0	0	0	0	6	0	0	0	0	5
41		F	2506.602	CONNECT INTO EXISTING MH OR CB	EACH	1	0	0	0	0	0	0	0	0	0	0
42	11	F	2506.602	ADJUST FRAME AND RING CASTING (SPECIAL)	EACH	50	0	0	0	0	10	10	0	2	0	8
43	2, 4, 14	E	2521.518	4" CONCRETE WALK	SQ FT	8125	0	0	0	0	0	0	0	72	0	370
44	2, 4, 14	E	2521.518	6" CONCRETE WALK	SQ FT	6072	0	0	0	0	0	0	0	26	0	547
45	4	E	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	5239	0	0	0	0	115	0	0	0	0	0
46	2	E	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	224	0	0	0	0	0	0	0	0	0	0
47	4	E	2531.603	CONCRETE CURB DESIGN V	LIN FT	38	0	0	0	0	0	0	0	0	0	0
48	4, 14	E	2531.618	TRUNCATED DOMES	SQ FT	1502	0	0	0	0	0	0	0	9	0	72
49		F	2540.602	CONSTRUCT SURVEY MONUMENT	EACH	3	0	0	0	0	0	0	1	0	0	0
50		A	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	4	0	0	3	0	0	0	0	0	0	0
51			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.024	0.024	0.030	0.030	0.030	0.030	0.024	0.030	0.030	0.030
52		G	2564.502	INSTALL SIGN PANEL TYPE C	EACH	9	0	0	0	0	0	0	0	0	0	0
53			2575.601	EROSION CONTROL	LUMP SUM	1	0.024	0.024	0.030	0.030	0.030	0.030	0.024	0.030	0.030	0.030
54	2	C	2575.602	SITE RESTORATION	EACH	87	0	0	0	0	0	0	0	1	0	6
55		G	2582.503	4" SOLID LINE PAINT	LIN FT	11970	0	0	0	0	0	0	0	0	0	0
56		G	2582.503	12" SOLID LINE PAINT	LIN FT	48	0	0	0	0	0	0	0	0	0	0
57		G	2582.503	24" SOLID LINE PAINT	LIN FT	36	0	0	0	0	0	0	0	0	0	0
58		G	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	11167	0	0	0	0	0	0	0	0	0	0
59		G	2582.518	PAVEMENT MESSAGE PAINT	SQ FT	186	0	0	0	0	0	0	0	0	0	0

REMOVED BY ADDEDUM 3

ADDENDUM 3 - REVISION DATE: 04/14/2020

ADDENDUM 1 - REVISION DATE: 04/02/2020

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 03/13/2020

SIGNATURE: 

Jeffrey S. Goetzman  
TYPE NAME

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.:

1692

STATE AID PROJECT NO.:

N/A

DRAWN BY: CJL

STATEMENT OF ESTIMATED QUANTITIES-1 OF 5

SHEET NO. 5 OF 247

4:30 PM

4/14/2020

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STATEMENT OF ESTIMATED QUANTITIES															
ITEM NO.	NOTE ON SHEET 10	CHART LETTER	SPEC NO.	ITEM	UNIT	TOTAL	OVERLAYS								
							96th Ave W - Heard St. to Prescott St.	W Skyline Pkwy - Mountain Dr to 100th Ave W	W 9th St - 128th Ave W to 131st Ave W	97th Ave W - Prescott St to McCuen St	Norwood St - 47th Ave E to 48th Ave E	E Heard St. - TH 23 to Dead End	E Carterett - Commonwealth to Gate	W 6th St - 466 ft E of 8th Ave W to 932 ft E of 8th Ave W	N 56th Ave W - Highland to Medina
1			2021.501	MOBILIZATION	LUMP SUM	1	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
2		A	2104.502	REMOVE CATCH BASIN	EACH	7	1	0	0	0	0	0	0	0	0
3		A	2104.502	SALVAGE SIGN TYPE C	EACH	9	0	0	0	0	0	0	0	0	0
4		A	2104.503	REMOVE PIPE CULVERTS	LIN FT	144	45	0	0	0	0	0	0	0	0
5	3	A	2104.503	REMOVE CURB AND GUTTER	LIN FT	5239	0	0	0	0	0	0	0	0	173
6	3	A	2104.518	REMOVE CONCRETE WALK	SQ FT	14197	0	0	0	0	0	1337	0	0	0
7	3	A	2104.518	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	172	0	0	0	0	0	0	0	0	0
8	3	A	2104.518	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1037	0	0	0	0	0	0	0	0	30
9		C	2105.507	COMMON EXCAVATION	CU YD	408	0	0	0	0	0	0	0	0	0
10	15	C	2105.603	CONSTRUCT DRAINAGE DITCH	LIN FT	26	0	0	0	0	0	0	0	0	0
11	13	C, D	2118.509	AGGREGATE SURFACING CLASS 5	CU YD	291	18	34	16	75	0	44	0	0	0
12	10	B	2123.510	MOTOR GRADER	HOUR	36	0	0	0	0	0	0	0	0	0
13	10	B	2123.612	COMPACTOR	HOUR	36	0	0	0	0	0	0	0	0	0
14		B	2130.523	WATER	M GALLON	27	0	0	0	0	0	0	0	0	0
15	7	B	2131.506	CALCIUM CHLORIDE SOLUTION	GALLON	5179	0	0	0	0	0	0	0	0	0
16	1	B	2215.504	FULL DEPTH RECLAMATION	SQ YD	20705	0	0	0	0	0	0	0	0	0
17	19	C	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	0	0	0	0	0	0	0	0	0	0
18	16, 17	D	2231.509	BITUMINOUS PATCHING MIXTURE	TON	2247	25	308	31	13	23	61	11	16	20
19	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (1.5")	SQ YD	44736	0	0	0	0	0	0	0	0	0
20	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	16304	0	0	0	0	0	0	0	0	0
21	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (3.0")	SQ YD	3174	0	0	0	0	0	0	0	0	0
22	6, 8, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	15810	245	3083	310	132	233	605	113	156	195
23	6, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	4407	0	0	0	0	0	0	0	0	0
24	20	F	2501.502	12" CS PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0
25	20	F	2501.502	15" CS PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0
26	20	F	2501.502	18" CS PIPE APRON	EACH	0	0	0	0	0	0	0	0	0	0
27	20	F	2501.502	12" RC PIPE APRON	EACH	1	0	0	0	0	0	0	0	0	0
28	20	F	2501.502	18" RC PIPE APRON	EACH	2	2	0	0	0	0	0	0	0	0
29	20	F	2501.503	12" CS PIPE CULVERT	LIN FT	22	0	0	0	0	0	0	0	0	0
30	20	F	2501.503	15" CS PIPE CULVERT	LIN FT	40	0	0	0	0	0	0	0	0	0
31	20	F	2501.503	18" CS PIPE CULVERT	LIN FT	0	0	0	0	0	0	0	0	0	0
32	20	F	2501.503	12" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	106	0	0	0	0	0	0	0	0	0
33	20	F	2501.503	18" RCP PIPE CULVERT DESIGN 3006 CLASS V	EACH	40	40	0	0	0	0	0	0	0	0
34		F	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	8	2	0	0	0	0	0	0	0	0
35	5	F	2504.602	ADJUST VALVE BOX	EACH	19	2	0	0	1	2	1	0	0	1
36		F	2504.602	CONCRETE ENCASED VALVE BOX COLLAR	EACH	12	0	0	0	0	0	0	0	0	0
37	20	F	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	EACH	7	0	0	0	0	0	0	0	0	0
38		F	2506.502	CASTING ASSEMBLY	EACH	7	0	0	0	0	0	0	0	0	0
39		F	2506.602	CONCRETE ENCASED CASTING COLLAR	EACH	28	0	0	0	0	0	0	2	0	0
40	12	F	2506.602	ADJUST FRAME AND RING CASTING	EACH	68	2	0	0	0	0	0	0	0	0
41		F	2506.602	CONNECT INTO EXISTING MH OR CB	EACH	1	0	0	0	0	0	0	0	0	0
42	11	F	2506.602	ADJUST FRAME AND RING CASTING (SPECIAL)	EACH	50	1	0	1	1	1	8	0	0	1
43	2, 4, 14	E	2521.518	4" CONCRETE WALK	SQ FT	8125	0	0	0	0	0	129	0	0	0
44	2, 4, 14	E	2521.518	6" CONCRETE WALK	SQ FT	6072	0	0	0	0	0	1208	0	0	0
45	4	E	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	5239	0	0	0	0	0	0	0	0	173
46	2	E	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	224	0	0	0	0	0	0	0	0	30
47	4	E	2531.603	CONCRETE CURB DESIGN V	LIN FT	38	0	0	0	0	0	0	0	0	0
48	4, 14	E	2531.618	TRUNCATED DOMES	SQ FT	1502	0	0	0	0	0	171	0	0	0
49		F	2540.602	CONSTRUCT SURVEY MONUMENT	EACH	3	0	0	0	0	0	0	0	0	0
50		A	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	4	0	0	0	0	0	0	0	0	0
51			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
52		G	2564.502	INSTALL SIGN PANEL TYPE C	EACH	9	0	0	0	0	0	0	0	0	0
53			2575.601	EROSION CONTROL	LUMP SUM	1	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
54	2	C	2575.602	SITE RESTORATION	EACH	87	2	0	0	0	0	12	0	0	0
55		G	2582.503	4" SOLID LINE PAINT	LIN FT	11970	0	11970	0	0	0	0	0	0	0
56		G	2582.503	12" SOLID LINE PAINT	LIN FT	48	0	48	0	0	0	0	0	0	0
57		G	2582.503	24" SOLID LINE PAINT	LIN FT	36	0	0	0	0	0	0	0	0	0
58		G	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	11167	0	5965	0	0	0	0	0	0	0
59		G	2582.518	PAVEMENT MESSAGE PAINT	SQ FT	186	0	0	0	0	0	0	0	0	0

ADDENDUM 3 – REVISION DATE: 04/14/2020

ADDENDUM 1 – REVISION DATE: 04/02/2020

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: 

Jeffrey S. Goetzman  
TYPE NAME

DATE: 03/13/2020

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.:

1692

STATE AID PROJECT NO.:

N/A

DRAWN BY: CJL

STATEMENT OF ESTIMATED QUANTITIES-2 OF 5

SHEET NO. 6 OF 247



4:30 PM

4/14/2020

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STATEMENT OF ESTIMATED QUANTITIES

							MILL & OVERLAYS									
ITEM NO.	NOTE ON SHEET 10	CHART LETTER	SPEC NO.	ITEM	UNIT	TOTAL	Oakley St - 43rd Ave E to 47th Ave E	Norwood St - 43rd Ave E to 47th Ave E	Crosley Ave - Glenwood to Avondale St	47th Ave E - Glenwood to Norwood St	Vermilion Rd - Oxford Ave to End of Pavement	Stuart Court - Brookline to W St. Marie St	Melrose Ave - Arrowhead to Brookline	Basswood Ave - Orange St. to Quince St	Adirondack St - Hutchinson Rd to Allegheny St	Wellington - Pacific to Grand Forks
1			2021.501	MOBILIZATION	LUMP SUM	1	0.030	0.030	0.030	0.030	0.024	0.024	0.024	0.030	0.030	0.030
2		A	2104.502	REMOVE CATCH BASIN	EACH	7	0	0	0	0	0	0	0	0	0	4
3		A	2104.502	SALVAGE SIGN TYPE C	EACH	9	0	0	0	0	0	0	0	0	0	0
4		A	2104.503	REMOVE PIPE CULVERTS	LIN FT	144	0	0	0	22	0	0	0	0	77	0
5	3	A	2104.503	REMOVE CURB AND GUTTER	LIN FT	5239	706	301	1237	385	69	0	0	0	195	454
6	3	A	2104.518	REMOVE CONCRETE WALK	SQ FT	14197	0	115	163	668	116	0	57	110	0	1884
7	3	A	2104.518	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	172	47	7	53	0	0	0	0	0	3	0
8	3	A	2104.518	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1037	0	0	11	0	0	0	0	0	59	0
9		C	2105.507	COMMON EXCAVATION	CU YD	408	0	0	0	0	0	0	0	0	0	0
10	15	C	2105.603	CONSTRUCT DRAINAGE DITCH	LIN FT	26	0	0	0	0	0	0	0	0	0	0
11	13	C, D	2118.509	AGGREGATE SURFACING CLASS 5	CU YD	291	0	0	0	0	0	0	0	0	2	0
12	10	B	2123.510	MOTOR GRADER	HOUR	36	0	0	0	0	0	0	0	0	0	0
13	10	B	2123.612	COMPACTOR	HOUR	36	0	0	0	0	0	0	0	0	0	0
14		B	2130.523	WATER	M GALLON	27	0	0	0	0	0	0	0	0	0	0
15	7	B	2131.506	CALCIUM CHLORIDE SOLUTION	GALLON	5179	0	0	0	0	0	0	0	0	0	0
16	1	B	2215.504	FULL DEPTH RECLAMATION	SQ YD	20705	0	0	0	0	0	0	0	0	0	0
17	19	C	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	0	0	0	0	0	0	0	0	0	0	0
18	16, 17	D	2231.509	BITUMINOUS PATCHING MIXTURE	TON	2247	117	106	231	107	97	35	43	33	123	79
19	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (1.5")	SQ YD	44736	4860	4398	9587	0	4019	1463	1776	1363	0	3282
20	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	16304	0	0	0	4450	0	0	0	0	5075	0
21	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (3.0")	SQ YD	3174	0	0	0	0	0	0	0	0	0	0
22	6, 8, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	15810	583	528	1152	535	483	176	213	164	615	394
23	6, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	4407	0	0	0	0	0	0	0	0	0	0
24	20	F	2501.502	12" CS PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0	0
25	20	F	2501.502	15" CS PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0	0
26	20	F	2501.502	18" CS PIPE APRON	EACH	0	0	0	0	0	0	0	0	0	0	0
27	20	F	2501.502	12" RC PIPE APRON	EACH	1	0	0	0	0	0	0	0	0	1	0
28	20	F	2501.502	18" RC PIPE APRON	EACH	2	0	0	0	0	0	0	0	0	0	0
29	20	F	2501.503	12" CS PIPE CULVERT	LIN FT	22	0	0	0	0	0	0	0	0	0	0
30	20	F	2501.503	15" CS PIPE CULVERT	LIN FT	40	0	0	0	0	0	0	0	0	0	0
31	20	F	2501.503	18" CS PIPE CULVERT	LIN FT	0	0	0	0	0	0	0	0	0	0	0
32	20	F	2501.503	12" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	106	0	0	0	0	0	0	0	0	68	0
33	20	F	2501.503	18" RCP PIPE CULVERT DESIGN 3006 CLASS V	EACH	40	0	0	0	0	0	0	0	0	0	0
34		F	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	8	0	0	0	0	0	0	0	0	0	4
35	5	F	2504.602	ADJUST VALVE BOX	EACH	19	0	0	0	0	0	0	0	0	0	0
36		F	2504.602	CONCRETE ENCASED VALVE BOX COLLAR	EACH	12	0	3	3	0	0	0	0	0	0	0
37	20	F	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	EACH	7	0	0	0	0	0	0	0	0	0	4
38		F	2506.502	CASTING ASSEMBLY	EACH	7	0	0	0	0	0	0	0	0	0	4
39		F	2506.602	CONCRETE ENCASED CASTING COLLAR	EACH	28	1	0	0	2	0	0	0	0	0	0
40	12	F	2506.602	ADJUST FRAME AND RING CASTING	EACH	68	5	1	11	7	4	0	0	0	0	4
41		F	2506.602	CONNECT INTO EXISTING MH OR CB	EACH	1	0	0	0	0	0	0	0	0	0	0
42	11	F	2506.602	ADJUST FRAME AND RING CASTING (SPECIAL)	EACH	50	0	0	0	0	0	0	0	0	0	0
43	2, 4, 14	E	2521.518	4" CONCRETE WALK	SQ FT	8125	0	64	58	457	58	0	19	44	0	1201
44	2, 4, 14	E	2521.518	6" CONCRETE WALK	SQ FT	6072	0	51	105	211	58	0	48	66	0	683
45	4	E	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	5239	706	301	1237	385	69	0	0	0	195	454
46	2	E	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	224	47	7	64	0	0	0	0	0	36	0
47	4	E	2531.603	CONCRETE CURB DESIGN V	LIN FT	38	0	0	0	0	0	0	0	0	0	0
48	4, 14	E	2531.618	TRUNCATED DOMES	SQ FT	1502	0	25	18	89	9	0	9	10	0	254
49		F	2540.602	CONSTRUCT SURVEY MONUMENT	EACH	3	0	1	0	0	0	0	0	0	0	0
50		A	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	4	0	0	0	0	0	0	0	0	0	0
51			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.030	0.030	0.030	0.030	0.024	0.024	0.024	0.030	0.030	0.030
52		G	2564.502	INSTALL SIGN PANEL TYPE C	EACH	9	0	0	0	0	0	0	0	0	0	0
53			2575.601	EROSION CONTROL	LUMP SUM	1	0.030	0.030	0.030	0.030	0.024	0.024	0.024	0.030	0.030	0.030
54	2	C	2575.602	SITE RESTORATION	EACH	87	0	1	2	4	1	0	1	1	0	12
55		G	2582.503	4" SOLID LINE PAINT	LIN FT	11970	0	0	0	0	0	0	0	0	0	0
56		G	2582.503	12" SOLID LINE PAINT	LIN FT	48	0	0	0	0	0	0	0	0	0	0
57		G	2582.503	24" SOLID LINE PAINT	LIN FT	36	0	0	0	0	0	0	0	0	0	0
58		G	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	11167	0	0	1872	0	0	0	0	0	0	0
59		G	2582.518	PAVEMENT MESSAGE PAINT	SQ FT	186	0	0	0	0	0	0	0	0	0	0

REMOVED BY ADDEDUM 3

ADDENDUM 3 - REVISION DATE: 04/14/2020

ADDENDUM 1 - REVISION DATE: 04/02/2020

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 03/13/2020

SIGNATURE: 

Jeffrey S. Goetzman  
TYPE NAME

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.:

1692

STATE AID PROJECT NO.:

N/A

DRAWN BY:

CJL

STATEMENT OF ESTIMATED QUANTITIES-3 OF 5

SHEET NO. 7 OF

247

4:30 PM

4/14/2020

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STATEMENT OF ESTIMATED QUANTITIES												
ITEM NO.	NOTE ON SHEET 10	CHART LETTER	SPEC NO.	ITEM	UNIT	TOTAL	MILL & OVERLAYS					
							Exeter - Pacific to Grand Forks	W Michigan - 17 1/2 Ave W to 21 1/2 Ave W	Restormel St	Pacific Ave - Third St to Exeter St	S 63rd Ave W - Heard St. to Prescott St.	78th Ave W - TH23 to RR Tracks
1			2021.501	MOBILIZATION	LUMP SUM	1	0.030	0.030	0.024	0.030	0.030	0.030
2		A	2104.502	REMOVE CATCH BASIN	EACH	7	0	0	0	0	0	0
3		A	2104.502	SALVAGE SIGN TYPE C	EACH	9	0	0	0	1	0	0
4		A	2104.503	REMOVE PIPE CULVERTS	LIN FT	144	0	0	0	0	0	0
5	3	A	2104.503	REMOVE CURB AND GUTTER	LIN FT	5239	372	638	430	283	357	12
6	3	A	2104.518	REMOVE CONCRETE WALK	SQ FT	14197	1793	3877	2051	1755	1317	0
7	3	A	2104.518	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	172	10	0	0	0	14	0
8	3	A	2104.518	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1037	16	0	0	0	0	0
9		C	2105.507	COMMON EXCAVATION	CU YD	408	0	0	0	0	0	0
10	15	C	2105.603	CONSTRUCT DRAINAGE DITCH	LIN FT	26	0	0	0	0	0	0
11	13	C, D	2118.509	AGGREGATE SURFACING CLASS 5	CU YD	291	0	0	0	0	2	0
12	10	B	2123.510	MOTOR GRADER	HOURL	36	0	0	0	0	0	0
13	10	B	2123.612	COMPACTOR	HOURL	36	0	0	0	0	0	0
14		B	2130.523	WATER	M GALLON	27	0	0	0	0	0	0
15	7	B	2131.506	CALCIUM CHLORIDE SOLUTION	GALLON	5179	0	0	0	0	0	0
16	1	B	2215.504	FULL DEPTH RECLAMATION	SQ YD	20705	0	0	0	0	0	0
17	19	C	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	0	0	0	0	0	0	0
18	16, 17	D	2231.509	BITUMINOUS PATCHING MIXTURE	TON	2247	72	202	95	77	114	70
19	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (1.5")	SQ YD	44736	2992	8473	3939	3195	3720	2926
20	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	16304	0	0	0	0	0	0
21	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (3.0")	SQ YD	3174	0	0	0	0	0	0
22	6, 8, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	15810	360	1011	473	384	571	352
23	6, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	4407	0	0	0	0	0	0
24	20	F	2501.502	12" CS PIPE APRON	EACH	2	0	0	0	0	0	0
25	20	F	2501.502	15" CS PIPE APRON	EACH	2	0	0	0	0	0	0
26	20	F	2501.502	18" CS PIPE APRON	EACH	0	0	0	0	0	0	0
27	20	F	2501.502	12" RC PIPE APRON	EACH	1	0	0	0	0	0	0
28	20	F	2501.502	18" RC PIPE APRON	EACH	2	0	0	0	0	0	0
29	20	F	2501.503	12" CS PIPE CULVERT	LIN FT	22	0	0	0	0	0	0
30	20	F	2501.503	15" CS PIPE CULVERT	LIN FT	40	0	0	0	0	0	0
31	20	F	2501.503	18" CS PIPE CULVERT	LIN FT	0	0	0	0	0	0	0
32	20	F	2501.503	12" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	106	0	0	0	0	0	0
33	20	F	2501.503	18" RCP PIPE CULVERT DESIGN 3006 CLASS V	EACH	40	0	0	0	0	0	0
34		F	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	8	0	2	0	0	0	0
35	5	F	2504.602	ADJUST VALVE BOX	EACH	19	0	0	0	0	0	0
36		F	2504.602	CONCRETE ENCASED VALVE BOX COLLAR	EACH	12	0	0	0	0	0	0
37	20	F	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	EACH	7	0	2	0	0	0	0
38		F	2506.502	CASTING ASSEMBLY	EACH	7	0	2	0	0	0	0
39		F	2506.602	CONCRETE ENCASED CASTING COLLAR	EACH	28	0	0	0	0	0	0
40	12	F	2506.602	ADJUST FRAME AND RING CASTING	EACH	68	6	7	7	4	7	0
41		F	2506.602	CONNECT INTO EXISTING MH OR CB	EACH	1	0	0	0	0	0	0
42	11	F	2506.602	ADJUST FRAME AND RING CASTING (SPECIAL)	EACH	50	0	0	0	0	0	0
43	2, 4, 14	E	2521.518	4" CONCRETE WALK	SQ FT	8125	1159	2374	1368	1224	893	0
44	2, 4, 14	E	2521.518	6" CONCRETE WALK	SQ FT	6072	634	1503	683	531	424	0
45	4	E	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	5239	372	638	430	283	357	12
46	2	E	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	224	26	0	0	0	14	0
47	4	E	2531.603	CONCRETE CURB DESIGN V	LIN FT	38	0	0	0	38	0	0
48	4, 14	E	2531.618	TRUNCATED DOMES	SQ FT	1502	208	314	236	188	128	0
49		F	2540.602	CONSTRUCT SURVEY MONUMENT	EACH	3	0	0	0	0	0	0
50		A	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	4	0	0	0	0	0	0
51			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.030	0.030	0.024	0.030	0.030	0.030
52		G	2564.502	INSTALL SIGN PANEL TYPE C	EACH	9	0	0	0	1	0	0
53			2575.601	EROSION CONTROL	LUMP SUM	1	0.030	0.030	0.024	0.030	0.030	0.030
54	2	C	2575.602	SITE RESTORATION	EACH	87	10	18	12	8	8	0
55		G	2582.503	4" SOLID LINE PAINT	LIN FT	11970	0	0	0	0	0	0
56		G	2582.503	12" SOLID LINE PAINT	LIN FT	48	0	0	0	0	0	0
57		G	2582.503	24" SOLID LINE PAINT	LIN FT	36	0	0	0	0	36	0
58		G	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	11167	0	1641	0	0	0	0
59		G	2582.518	PAVEMENT MESSAGE PAINT	SQ FT	186	0	0	0	0	186	0

REMOVED BY ADDEDUM 3

ADDENDUM 3 - REVISION DATE: 04/14/2020

ADDENDUM 1 - REVISION DATE: 04/02/2020

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: 

Jeffrey S. Goetzman  
TYPE NAME

DATE: 03/13/2020

LIC. NO: 26422



CITY OF DULUTH  
ENGINEERING DIVISION  
411 W. 1ST ST. STE. 211  
DULUTH, MN 55802

Duluth 2020 Street Preservation

CITY PROJECT NO.:

1692

STATE AID PROJECT NO.:

N/A

DRAWN BY: CJL

STATEMENT OF ESTIMATED QUANTITIES-4 OF 5

SHEET NO. 8 OF 247



4:30 PM

4/14/2020

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STATEMENT OF ESTIMATED QUANTITIES

RECLAIMS

ITEM NO.	NOTE ON SHEET 10	CHART LETTER	SPEC NO.	ITEM	UNIT	TOTAL	Norton Rd	W 5th Ave - 4th St to 6th St	Basswood Ave - Central Entrance to Ideal St	Mulberry - Basswood to Arlington	Stanford - Swan Lake Rd to Terrace St	Medina St. - Central Ave to Dead End West	Ideal - Joshua to Eklund
1			2021.501	MOBILIZATION	LUMP SUM	1	0.024	0.024	0.030	0.030	0.030	0.030	0.030
2		A	2104.502	REMOVE CATCH BASIN	EACH	7	0	8	0	0	0	0	0
3		A	2104.502	SALVAGE SIGN TYPE C	EACH	9	0	0	0	0	0	0	0
4		A	2104.503	REMOVE PIPE CULVERTS	LIN FT	144	0	8	0	0	0	0	0
5	3	A	2104.503	REMOVE CURB AND GUTTER	LIN FT	5239	0	55	0	0	0	11	0
6	3	A	2104.518	REMOVE CONCRETE WALK	SQ FT	14197	0	953	163	0	0	0	0
7	3	A	2104.518	REMOVE CONCRETE DRIVEWAY PAVEMENT	SQ YD	172	72	0	0	38	0	0	0
8	3	A	2104.518	REMOVE BITUMINOUS DRIVEWAY PAVEMENT	SQ YD	1037	879	125	381	95	125	51	269
9		C	2105.507	COMMON EXCAVATION	CU YD	408	0	5	10	0	0	0	0
10	15	C	2105.603	CONSTRUCT DRAINAGE DITCH	LIN FT	26	0	0	0	26	0	0	0
11	13	C, D	2118.509	AGGREGATE SURFACING CLASS 5	CU YD	291	50	0	13	5	4	15	8
12	10	B	2123.510	MOTOR GRADER	HOURL	36	32	3	12	2	4	2	4
13	10	B	2123.612	COMPACTOR	HOURL	36	32	3	12	2	4	2	4
14		B	2130.523	WATER	M GALLON	27	21	2	8	2	4	2	3
15	7	B	2131.506	CALCIUM CHLORIDE SOLUTION	GALLON	5179	7832	604	2525	476	809	465	904
16	1	B	2215.504	FULL DEPTH RECLAMATION	SQ YD	20709	31326	2414	10095	1901	3235	1860	3614
17	19	C	2215.507	HAUL FULL DEPTH RECLAMATION (LV)	CU YD	0	0	30	0	0	0	0	0
18	16, 17	D	2231.509	BITUMINOUS PATCHING MIXTURE	TON	2247	2	0	0	0	2	0	0
19	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (1.5")	SQ YD	44736	0	0	0	0	0	0	0
20	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	16304	31326	0	3137	1901	1732	0	0
21	1, 18	B	2232.504	MILL BITUMINOUS SURFACE (3.0")	SQ YD	3174	0	0	1314	0	0	1860	0
22	6, 8, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	15810	15	0	0	0	21	0	0
23	6, 9, 17	D	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	4407	7519	507	2121	400	680	447	759
24	20	F	2501.502	12" CS PIPE APRON	EACH	2	0	0	0	2	0	0	0
25	20	F	2501.502	15" CS PIPE APRON	EACH	2	0	0	2	0	0	0	0
26	20	F	2501.502	18" CS PIPE APRON	EACH	0	0	0	0	0	0	0	0
27	20	F	2501.502	12" RC PIPE APRON	EACH	1	0	0	0	0	0	0	0
28	20	F	2501.502	18" RC PIPE APRON	EACH	2	0	0	0	0	0	0	0
29	20	F	2501.503	12" CS PIPE CULVERT	LIN FT	22	0	0	0	22	0	0	0
30	20	F	2501.503	15" CS PIPE CULVERT	LIN FT	40	0	0	40	0	0	0	0
31	20	F	2501.503	18" CS PIPE CULVERT	LIN FT	0	0	0	0	0	0	0	0
32	20	F	2501.503	12" RC PIPE CULVERT DESIGN 3006 CLASS V	LIN FT	106	0	8	38	0	0	0	0
33	20	F	2501.503	18" RCP PIPE CULVERT DESIGN 3006 CLASS V	EACH	40	0	0	0	0	0	0	0
34		F	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	8	0	1	0	0	0	0	0
35	5	F	2504.602	ADJUST VALVE BOX	EACH	19	0	0	3	0	0	0	0
36		F	2504.602	CONCRETE ENCASED VALVE BOX COLLAR	EACH	12	1	3	1	0	4	0	1
37	20	F	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	EACH	7	0	2	1	0	0	0	0
38		F	2506.502	CASTING ASSEMBLY	EACH	7	0	3	1	0	0	0	0
39		F	2506.602	CONCRETE ENCASED CASTING COLLAR	EACH	28	0	5	12	1	5	2	3
40	12	F	2506.602	ADJUST FRAME AND RING CASTING	EACH	68	0	6	2	0	0	1	0
41		F	2506.602	CONNECT INTO EXISTING MH OR CB	EACH	1	0	0	1	0	0	0	0
42	11	F	2506.602	ADJUST FRAME AND RING CASTING (SPECIAL)	EACH	50	0	0	6	0	1	0	0
43	2, 4, 14	E	2521.518	4" CONCRETE WALK	SQ FT	8125	0	664	80	0	0	0	0
44	2, 4, 14	E	2521.518	6" CONCRETE WALK	SQ FT	6072	0	289	83	0	0	0	0
45	4	E	2531.503	CONCRETE CURB AND GUTTER DESIGN B624	LIN FT	5239	0	55	0	0	0	11	0
46	2	E	2531.504	7" CONCRETE DRIVEWAY PAVEMENT	SQ YD	224	0	0	0	0	0	0	0
47	4	E	2531.603	CONCRETE CURB DESIGN V	LIN FT	38	0	0	0	0	0	0	0
48	4, 14	E	2531.618	TRUNCATED DOMES	SQ FT	1502	0	43	16	0	0	0	0
49		F	2540.602	CONSTRUCT SURVEY MONUMENT	EACH	3	0	0	0	0	1	1	0
50		A	2540.602	RELOCATE MAIL BOX SUPPORT	EACH	4	0	0	1	0	0	0	0
51			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.024	0.024	0.030	0.030	0.030	0.030	0.030
52		G	2564.502	INSTALL SIGN PANEL TYPE C	EACH	9	0	0	0	0	0	0	0
53			2575.601	EROSION CONTROL	LUMP SUM	1	0.024	0.024	0.030	0.030	0.030	0.030	0.030
54	2	C	2575.602	SITE RESTORATION	EACH	87	0	4	2	0	0	0	0
55		G	2582.503	4" SOLID LINE PAINT	LIN FT	11970	22922	0	0	0	0	0	0
56		G	2582.503	12" SOLID LINE PAINT	LIN FT	48	0	0	0	0	0	0	0
57		G	2582.503	24" SOLID LINE PAINT	LIN FT	36	0	0	0	0	0	0	0
58		G	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	11167	11461	0	1029	660	0	0	0
59		G	2582.518	PAVEMENT MESSAGE PAINT	SQ FT	186	0	0	0	0	0	0	0

REMOVED BY ADDEDUM 3

ADDENDUM 3 -- REVISION DATE: 04/14/2020

ADDENDUM 1 -- REVISION DATE: 04/02/2020

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

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STATEMENT OF ESTIMATED QUANTITIES--5 OF 5

SHEET NO. 9 OF 247