



Purchasing Division
Finance Department
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Addendum # 2
Solicitation # 20-99322
Second Street Reconstruction

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

1. *The following bid item is added to the solicitation:*

<u>Chart</u>	<u>Line No.</u>	<u>Item No.</u>	<u>Item</u>	<u>Units</u>	<u>Estimated Quantity</u>
P	206	2506.502	CASTING ASSEMBLY	EACH	23

Sheet 7 of the Plans (SEQ) is replaced with the attached Sheet 7.

Sheets 21 and 22 of the Plans (Chart P) are replaced with the attached Sheet 21 and 22

The bid item Casting Assembly is included for furnishing and installing manhole casting assemblies for structures that are measured and paid for by the unit Linear Foot. Furnishing and installing manhole casting assemblies is considered incidental for structures that are measured and paid by the unit Each.

2. *The following bid item is added to the solicitation:*

<u>Chart</u>	<u>Line No.</u>	<u>Item No.</u>	<u>Item</u>	<u>Units</u>	<u>Estimated Quantity</u>
E	207	2301.508	SUPPLEMENTAL PAVEMENT REINFORCEMENT	LB	3,493

Sheet 7 of the Plans (SEQ) is replaced with the attached Sheet 7.

Sheet 11 of the Plans (Chart E) is replaced with the attached Sheet 11

Addendum 2 adds the bid item for Supplemental Pavement Reinforcement to the bid documents. Supplemental Pavement Reinforcement is required at Plan Locations and shall be provided by the Contractor in accordance with MnDOT Standard Plate 1070M.

3. *Bid bonds must be submitted electronically either through BidExpress (SurePath or Surety 2000) or emailed to purchasing@duluthmn.gov. Do not mail bid bonds or attempt to drop them off in person as City Hall offices are closed. If emailing bid bonds, reference solicitation 20-99322 in the subject of the email.*

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation.

Posted: **April 6, 2020**

[illegible]

E	STREET PAVEMENT & BASE AGGREGATE									E
LOCATION	SPEC. 2211	SPEC. 2301				SPEC. 2360		SPEC. 2131	REMARKS	
	AGGREGATE BASE (CV) CLASS 5	CONCRETE PAVEMENT 8"	CONCRETE PAVEMENT 8" HIGH-EARLY	CONCRETE PAVEMENT LUGS	SUPPLEMENTAL PAVEMENT REINFORCEMENT	SP 9.5 WEARING COURSE SPWEA340C (4") [1]	SP 9.5 NON-WEARING COURSE SPNWA330B (2")	WATER		
	CU YD	SQ YD	SQ YD	LF	LB	TON	TON	MGAL		
PHASE 1										
STA 213+25 TO 9TH AVE.	200					110	60	20		
9TH AVE. INTERSECTION	360	400		60	554	170	90	30		
9TH AVE. TO 10TH AVE.	10					290	150	10		
10TH AVE. INTERSECTION	130		620	60	1784	10	10	10		
10TH AVE. TO 11TH AVE.	420					210	110	30		
11TH AVE. INTERSECTION	60	240		20		10	10	10		
11TH AVE. TO 12TH AVE.	550					290	150	40		
PHASE 1 TOTALS	1730	640	620	150	2338	1090	580	150		
PHASE 2										
6TH AVE. TO 7TH AVE.	520					290	150	40		
7TH AVE. INTERSECTION	200	410		100	601	70	40	20		
7TH AVE. TO 8TH AVE.	530					290	150	40		
8TH AVE. INTERSECTION	190	390		100	554	70	40	20		
8TH AVE. TO STA 213+25	350					190	100	30		
PHASE 2 TOTALS	1790	800	0	200	1155	910	480	150		
CHART TOTALS:	3520	1440	620	350	3493	2000	1060	300		

[1] CONSTRUCT THE WEARING COURSE IN (2) 2-INCH LAYERS

F	PERFORATED PVC PIPE DRAIN					F
STATION	STATION	LOCATION	SPEC. 2502	SPEC. 2506	REMARKS	
			4" PERF PVC PIPE DRAIN [1]	STORMSEWER STORM OUTLET		
			LIN FT	[1]		
PHASE 1						
213+25	213+90	LT	65	CB 9.1	CAP AT 213+25 FOR CONNECTION DURING PHASE 2 (INCIDENTAL)	
213+25	214+25	RT	100	CB 9.3	CAP AT 213+25 FOR CONNECTION DURING PHASE 2 (INCIDENTAL)	
213+90	214+10	LT	20	CB 9.2		
214+10	214+76	LT	65	CB 9.6		
214+76	215+05	LT	30	STMH 9.2		
214+25	214+45	RT	20	CB 9.4		
214+45	214+72	RT	25	STMH 9.1		
214+78	218+88	RT	410	CB 10.3		
215+05	215+33	LT	25	CB 9.11		
215+33	218+24	LT	290	CB 10.1		
218+08	219+68	RT	70	CB 10.4		
218+24	218+44	LT	20	CB 10.2		
218+44	219+08	LT	65	CB 10.2		

F	PERFORATED PVC PIPE DRAIN (CONTINUED)					F
STATION	STATION	LOCATION	SPEC. 2502	SPEC. 2506	REMARKS	
			4" PERF PVC PIPE DRAIN [1]	STORM SEWER STORM OUTLET		
			LIN FT	[1]		
PHASE 1						
218+88	219+08	RT	20	CB 10.4		
219+08	219+68	LT	70	CB 10.5		
219+75	220+55	LT	80	CB 10.6		
219+75	220+35	RT	60	CB 10.7		
220+35	220+55	RT	20	CB 10.8		
220+55	220+88	LT	35	CB 10.9		
220+55	222+90	RT	235	CB 10.8		
220+88	222+90	LT	205	CB 10.9		
10TH AVE INTERSECTION		-	110	EXIST PIPE	REMOVE AND REPLACE EXISTING 4" PVC PERF PIPE DRAIN	
222+90	223+60	LT	70	CB 11.1		
222+90	223+80	RT	90	CB 11.3		
223+60	223+80	LT	20	CB 11.2		
223+80	224+84	LT	105	CB 11.5		
223+80	224+84	RT	105	CB 11.4		
224+84	225+04	RT	20	CB 11.6		
224+84	225+22	LT	35	CB 11.7		
225+04	228+86	RT	385	CAP AT 12TH	CAP AT 12TH INTERSECTION	
225+22	226+80	LT	160	CB 11.8		
226+80	227+00	LT	20	CB 11.9		
227+00	228+86	LT	195	CAP AT 12TH	CAP AT 12TH INTERSECTION	
PHASE 1 TOTAL			3245			
PHASE 2						
201+50	204+70	LT	320	CB 6.4	CAP AT 6TH AVE E INTERSECTION	
201+50	203+45	RT	195	CB 6.2	CAP AT 6TH AVE E INTERSECTION	
203+45	203+65	RT	20	CB 6.3		
203+65	205+11	RT	155	CB 6.7		
204+70	204+90	LT	20	CB 6.5		
204+90	205+10	LT	20	CB 6.6		
205+10	205+58	LT	50	CB 7.1		
205+58	205+97	LT	40	CB 7.5		
205+79	207+75	LT	200	CB 7.6		
205+11	207+75	RT	265	CB 7.7		
207+75	209+15	RT	140	CB 8.1		
207+75	209+30	LT	155	CB 8.2		
209+30	209+50	LT	20	CB 8.3		
209+15	209+76	RT	60	CB 8.4		
209+50	210+10	LT	60	CB 8.6		
209+76	210+06	RT	30	STMH 8.1		
210+06	210+38	RT	35	STMH 8.3		
210+10	213+25	LT	315	STUB	TIE INTO STUB FROM PHASE 1 CONSTRUCTION	
210+38	213+25	RT	285	STUB	TIE INTO STUB FROM PHASE 1 CONSTRUCTION	
PHASE 2 TOTAL			2385			
CHART TOTALS:			5630			

[1] GEOTEXTILE FABRIC, COARSE FILTER AGGREGATE, AND STORM SEWER CONNECTIONS ARE INCIDENTAL TO THIS BID ITEM

P	STORM SEWER																												P			
STRUCTURE	STATION	LOCATION OFFSET	DOWNSTREAM STRUCTURE	DESIGN G	SPEC. 2506										2451	SPEC 2105	CONNECT TO EXISTING STORM SEWER STRUCTURE	CONNECT TO EXISTING STORM SEWER	SPEC. 2503										RC PIPE-ARCH SEWER CL IIA DES 3006		PVC PIPE SEWER	REMARKS
					CONSTRUCT DRAINAGE STRUCTURE						ADJUST FRAME AND RING CASTING	[5] CONCRETE ENCASED CASTING COLLAR	CASTING ASSEMBLY [2] [7]	[6] FURNISH GRANULAR BACKFILL	TRENCH EXCAVATION CLASS R	DES 3006 RC PIPE SEWER										51 IN SPAN	58 IN SPAN	15 IN.				
					DESIGN F	DESIGN 60-4020	DESIGN 72-4020	DESIGN 6 X 6	SPECIAL NO. 1 [3]	SPECIAL NO. 2 [4]						12 IN.			15 IN.	18 IN.	24 IN.	30 IN.	33 IN.	36 IN.	42 IN.				48 IN.			
					EACH	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	TYPE	CU YD	CU YD	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	
PHASE 1																																
CB 9.1	213+90.00	18.00' LT	CB 9.2	1								2		15				20														
CB 9.2	214+10.00	18.00' LT	CB 9.6	1								2		5				66														
CB 9.7	214+95.86	35.00' LT	CB 9.6	1								3B						30														
CB 9.8	214+95.15	57.00' LT	CB 9.7	1								3B						22														
CB 9.6	214+76.00	12.00' LT	STMH 9.2		9.63							1	3B	15						29									3' SUMP			
CB 9.3	214+25.00	18.00' RT	CB 9.4	1								2						20														
CB 9.4	214+45.00	18.00' RT	STMH 9.1	1								2						27														
CB 9.5	214.78.00	12.24' RT	STMH 9.1	1								3B						7														
STMH 9.1	214+72.00	17.00' RT	STMH 9.3		10.28							1	1*	20				36											3' SUMP			
CB 9.9	215+28.09	57.00' LT	CB 9.10	1								3B						22														
CB 9.10	215+27.86	35.00' LT	CB 9.11	1								3B						22														
CB 9.11	215+33.00	13.71' LT	STMH 9.2	1								3B		10				28														
EX BRICK ARCH	215+04.82	55.00' LT	STMH 9.2													1								44								
STMH 9.2	215+05.15	11.00' LT	STMH 9.3				13.14					1	1	30	20										31							
STMH 9.3	215+05.18	17.00' RT	STMH 9.4				13.12					1	1	150	100										113							
STMH 9.4	215+04.48	131.90 RT	EX BRICK ARCH					1				1					1													CAST IN PLACE STRUCTURE		
CB 10.1	218+24.00	18.00' LT	CB 10.2	1								2						20														
CB 10.2	218+44.00	18.00' LT	STMH 10.1	1								2						7														
STMH 10.1	218+44.00	11.00' LT	STMH 10.2		5.55							1	1	1				64														
STUB	219+05.94	42.48' LT	CB 10.5														1											25				
CB 10.5	219+08.00	18.00' LT	STMH 10.2	1										3					7													
STMH 10.2	219+08.00	11.00' LT	CB 10.4		7.14							1	1	1					29													
CB 10.3	218+88.00	18.00' RT	CB 10.4	1										2				20														
CB 10.4	219+08.00	18.00' RT	STMH 10.4		7.38							1	2							65												
CB0470447	219+64.85	32.15' LT	EX 10.1								1			EX																		
CB0470444	219+93.00	32.15' LT	EX 10.1								1			EX																		
EX 10.1	219+72.47	42.76' LT	STMH 10.3									1		EX			1						22							ST0470305		
STMH 10.3	219+72.48	21.00' LT	STMH 10.4					1						1												40						
CB 10.9	220+88.00	12.00' LT	CB 10.6	1										2B				33														
STUB	220+62.50	33.00' LT	CB 10.6															22														
CB 10.6	220+55.00	12.00' LT	CB 10.8	1										2B					24													
CB 10.8	220+55.00	12.00' RT	CB 10.7		7.26							1	2B							20												
CB 10.7	220+35.00	12.00' RT	STMH 10.4		7.86							1	2B							63												
STMH 10.4	219+72.51	18.00' RT	EX RCP					1						1			1						6									
CB 11.1	223+60.00	12.00' LT	CB 11.2	1										2B				20														
CB 11.3	223+80.00	12.00' RT	CB 11.2	1										2B				24														
CB 11.2	223+80.00	12.00' LT	STMH 11.1	1										2B	25			60														
EX 11.1	224+39.95	34.60' LT	STMH 11.1									1		EX			1						28							ST0470265		
STMH 11.1	224+39.72	7.00' LT	SSS 11A			7.85							1	1				10														
			STMH 11.2																				8									
SSS 11A	224+50.00	7.00' LT	SSS 11B								1			1			25															
SSS 11B	224+50.00	1.00' RT	STMH 11.2											1				10														
STMH 11.2	224+39.71	1.00' RT	EX 36" PIPE			8.34							1	1	10								21									
CB 11.9	227+00.00	18.00' LT	CB 11.8	1										3				20														
CB 11.8	226+80.00	18.00' LT	STMH 11.5	1										3				13														
STMH 11.5	226+80.00	5.50' LT	STMH 11.4		5.64							1	1	60				196														
CB 11.7	225+22.00	18.00' LT	CB 11.5	1										2				38														
CB 11.5	224+84.00	12.00' LT	STMH 11.4	1										3B				7														
CB 11.6	225+04.00	12.00' RT	CB 11.4	1										3B				20														
CB 11.4	224+84.00	12.00' RT	STMH 11.4	1										3B				18														
STMH 11.4	224+84.00	5.50' LT	SSS 7A		6.33							1	1						34													

P	STORM SEWER (CONTINUED)																												P			
STRUCTURE	STATION	LOCATION OFFSET	DOWNSTREAM STRUCTURE	DESIGN G	SPEC. 2506										2451	SPEC 2105	SPEC. 2503												RC PIPE-ARCH SEWER CL IIA DES 3006		PVC PIPE SEWER	REMARKS
					CONSTRUCT DRAINAGE STRUCTURE						ADJUST FRAME AND RING CASTING	[5] CONCRETE ENCASED CASTING COLLAR	CASTING ASSEMBLY [2] [7]	FURNISH GRANULAR BACKFILL	UTILITY TRENCH EXCAVATION CLASS R	CONNECT TO EXISTING STORM SEWER STRUCTURE	CONNECT TO EXISTING STORM SEWER	DES 3006 RC PIPE SEWER														
					DESIGN	DESIGN	DESIGN	DESIGN	SPECIAL	SPECIAL								12	15	18	24	30	33	36	42	48	51 IN	59 IN	15			
					F	60-4020	72-4020	6 X 6	NO. 1 [3]	NO. 2 [4]								IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	IN.	SPAN	SPAN	IN.			
EACH	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	TYPE	CU YD	CU YD	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT	LIN FT			
PHASE 2																																
STMH 6.2	201+50.00	5.00' RT	STMH 6.3												25		1			175										CONNECT TO PIPE BY OTHERS		
CB 6.2	203+45.00	18.00' RT	CB 6.3	1									3		10				20													
CB 6.3	203+65.00	18.00' RT	STMH 6.3	1									3		5				13													
STMH 6.3	203+65.00	5.00' RT	STMH 6.4		5.81							1	1	1	15					146												
CB 6.7	205+11.00	18.00' RT	STMH 6.4	1									3						13													
STMH 6.4	205+11.00	5.00' RT	STMH 7.1		7.20							1	1	1	10						84											
CB6.4	204+70.00	18.00' LT	CB 6.5	1									3						20													
CB 6.5	204+90.00	18.00' LT	CB 6.6	1									3						20													
CB 6.6	205+10.00	18.00' LT	CB 7.1	1									3							50												
CB 7.1	205+60.08	17.16' LT	CB 7.5	1									3B								35											
CB 7.3	205+61.85	55.00' LT	CB 7.2	1									3B						20													
CB 7.2	205+61.73	35.00' LT	CB 7.4	1									3B							32												
CB 7.4	205+93.73	35.00' LT	CB 7.5	1									3B								16											
CB 7.5	205+94.47	18.96' LT	STMH 7.1	1									3B								24											
STMH 7.1	205+94.83	5.00' RT	STMH 7.2		5.89							1	1	1							101											
STMH 7.2	206+96.00	5.00' RT	STMH 7.3		7.54							1	1	1					5													
SSS 7A	206+96.00	4.00' LT	SSS 7B						1			1		1																		
SSS 7B	207+04.00	4.00' LT	STMH 7.3									1		1					5													
STMH 7.3	207+04.00	5.00' RT	STMH 7.4		7.61							1	1	1	20						49											
CB 7.6	207+75.00	18.00' LT	STMH 7.4		7.69								1	3	25				28													
CB 7.7	207+75.00	18.00' RT	STMH 7.4	1									3	3	10				30													
STMH 7.4	207+52.63	1.55 LT	TUNNEL				11.7					1	1	1																EXISTING TUNNEL OPENING, SEE DETAIL - FIELD VERIFY DEPTH PRIOR TO ORDERING		
CB 8.1	209+15.00	18.00' RT	CB 8.4	1									3	3	45	5			61													
CB 8.4	209+76.00	18.00' RT	STMH 8.1		7.97								1	3	25	10			30													
CB 8.5	210+10.00	12.12' RT	STMH 8.1	1									3B						6													
STMH 8.1	210+06.00	17.00' RT	STMH 8.3		11.7								1	1*	25	10			32											3' SUMP		
CB 8.2	209+30.00	18.00' LT	CB 8.3	1									3	3					20													
CB 8.3	209+50.00	18.00' LT	CB 8.6	1									3	3	10				60													
CB 8.8	210+60.74	35.00' LT	CB 8.7	1									3B						32											SHALLOW STRUCTURE		
CB 8.7	210+28.74	35.00' LT	CB 8.6	1									3B						30											SHALLOW STRUCTURE		
CB 8.6	210+10.00	12.00' LT	STMH 8.2		8.26								1	3B		10					29									3' SUMP		
EX 8.1	210+38.80	29.74' LT	STMH 8.2								1		EX		10		1					24								ST0470275		
STMH 8.2	210+38.44	6.00' LT	STMH 8.3					1					1		10	10										23						
STMH 8.3	210+38.41	16.50' RT	EX BRICK ARCH					1					1		70			1												CAST IN PLACE STRUCTURE		
UNDISTRIBUTED ROCK EXCAVATION															40																	
PHASE 2 TOTALS				18	69.67	0	11.7	2	1	0	1	7	10		240	160	1	2	445	82	401	266	24	0	0	0	0	23	0	0		
CHART TOTALS				43	137	17	38	5	1	1	5	12	23		580	305	3	7	1347	176	578	266	52	28	29	44	144	23	40	25		

[1] MATERIAL CONSIDERED INCIDENTAL TO RESPECTIVE BID ITEM.

[2] (1) CASTING PER CITY OF DULUTH STANDARD DETAIL STRM-1.
(1*) STORM MANHOLE NON-PAVED AREAS PER CITY OF DULUTH STANDARD DETAIL STRM-5.
(2) CASTING PER CITY OF DULUTH STANDARD DETAIL STRM-2 (INLET WITH CURB BOX), STATION, OFFSET AND RIM MEASURED TO CENTER OF STRUCTURE
(2B) CASTING PER CITY OF DULUTH STANDARD DETAIL STRM-2B (INLET WITH CURB BOX - BICYCLE SAFE), STATION, OFFSET AND RIM MEASURED TO CENTER OF STRUCTURE
(3) CASTING PER CITY OF DULUTH STANDARD DETAIL STRM-3 (INLET W/ NO CURB BOX), STATION, OFFSET AND RIM MEASURED TO CENTER OF STRUCTURE
(3B) CASTING PER CITY OF DULUTH STANDARD DETAIL STRM-3B (INLET W/ NO CURB BOX - BICYCLE SAFE), STATION, OFFSET AND RIM MEASURED TO CENTER OF STRUCTURE

[3] SEE "SEDIMENT STRUCTURE 7TH" DETAIL FOR STORM SEDIMENT STRUCTURE INFORMATION

[4] SEE "SEDIMENT STRUCTURE 11TH" DETAIL FOR STORM SEDIMENT STRUCTURE INFORMATION

[5] CONCRETE ENCASED CASTING COLLAR FOR STORM MH IN ROADWAY, WALKS, & DRIVES PER CITY OF DULUTH STANDARD DETAIL STRM-5A.

[6] PAY HEIGHT = (RIM - INVERT) - CASTING HEIGHT = BASE
ASSUMED CASTING HEIGHT =0.67' ASSUMED BASE HEIGHT =0.7'

[7] FURNISHING AND INSTALLING CASTING ASSEMBLY IS CONSIDERED INCIDENTAL TO CONSTRUCT DRAINAGE STRUCTURE ITEMS THAT ARE MEASURED AND PAID BY THE UNIT EACH.