

Request for Quote – DBE Subcontractors and Suppliers

Project: West Broadway Bridges Reconstruction (SP 027-681-038; CP 2167500/2167600)
Robbinsdale and Minneapolis, MN
Hennepin County

Bid Date: Tuesday, January 19, 2021

Bid Time: 2:00 pm

DBE Goal: 15.5%

C.S. McCrossan Construction, Inc. is soliciting quotations from qualified bidders to develop pricing for the above referenced project. Please see the attached sheet for a list of potential work types that are available on this project.

C.S. McCrossan Construction, Inc. is an Equal Opportunity Employer and encourages participation from all certified DBE subcontractors and suppliers. If you can provide us with pricing in any of the areas listed above please return the attached form to our office. Plans are available for free in our online plan room; please contact us for more information.

If you need any assistance in the following areas, please contact our office:

1. Locating plans
2. Bonding, insurance, lines of credit
3. Technical assistance in preparing your quote
4. Breaking down work types into more economically feasible units
5. Locating equipment & supplies to prepare your quote

Thank you,

CSM Estimating Department

estimating@mccrossan.com

763-425-4167 (p) | 763-488-1649 (f)

We have identified the following work types for this project:

Project: West Broadway Bridges Reconstruction (SP 027-681-038; CP 2167500/2167600)
Robbinsdale and Minneapolis, MN
Hennepin County

Aggregates	Asphalt Paving
Borrow	Bridge / Structures
Clearing & Grubbing	Concrete Curb & Gutter / Sidewalk
Concrete Paving	Dewatering
Dumpsters	Electrical
Erosion Control	Excavation / Grading
Fencing	Field Office
Guardrail	Hardscape / Brick Pavers
Irrigation	Milling
Piling	Portable Restrooms
Rebar / Structural Steel	Removals
RipRap / Geotextiles	Sawcutting
Seed, Sod & Turf Establishment	Signing
Striping	Structure Excavation & Backfill
Sweeping	Testing
Traffic Control	Trees / Shrubs / Landscaping
Trucking	Underground Pipe/Structures

This list is of the work types we have determined as of this time. Additional work types may be determined as we continue to review the plans and specifications. If you are interested in bidding on this project but do not see your type of work listed, please contact our office to see if additional opportunities may be available.

REQUEST FOR QUOTE

RESPONSE FORM

C.S. McCrossan Construction, Inc. is bidding the following upcoming project. Potential Bidders are requested to check the appropriate box below and let us know of their intentions by email (estimating@mccrossan.com) or fax (763-488-1649).

Project**Interest**

Yes

No

Hennepin County

☐☐

West Broadway Bridges

Name of Firm:

Contact Person:

Phone / Fax Number:

Email:

Type of Work:

(Please list work types you are
interested in quoting.)

Assistance Needed:

(Please list any assistance we can
provide you in preparing your
quote.)

C.S. McCrossan Construction, Inc. is an Equal Opportunity Employer and encourages participation from all certified DBE subcontractors and suppliers. If you are interested in providing us a quote please return this form to our office via email (estimating@mccrossan.com) or by fax (763-488-1649).

If you need assistance or any additional information (plans / specifications), please contact our office.

**MINNESOTA DEPARTMENT OF TRANSPORTATION
HENNEPIN COUNTY TRANSPORTATION DEPARTMENT**

CONSTRUCTION PLAN FOR: BITUMINOUS SURFACING, CURB AND GUTTER, RETAINING WALL, LIGHTING
BRIDGE NO. 27C62, BRIDGE NO. 27C63, AND BRIDGE NO. 27C64

WEST BROADWAY AVENUE BRIDGES RECONSTRUCTION

CITY OF MINNEAPOLIS / CITY OF ROBBINSDALE

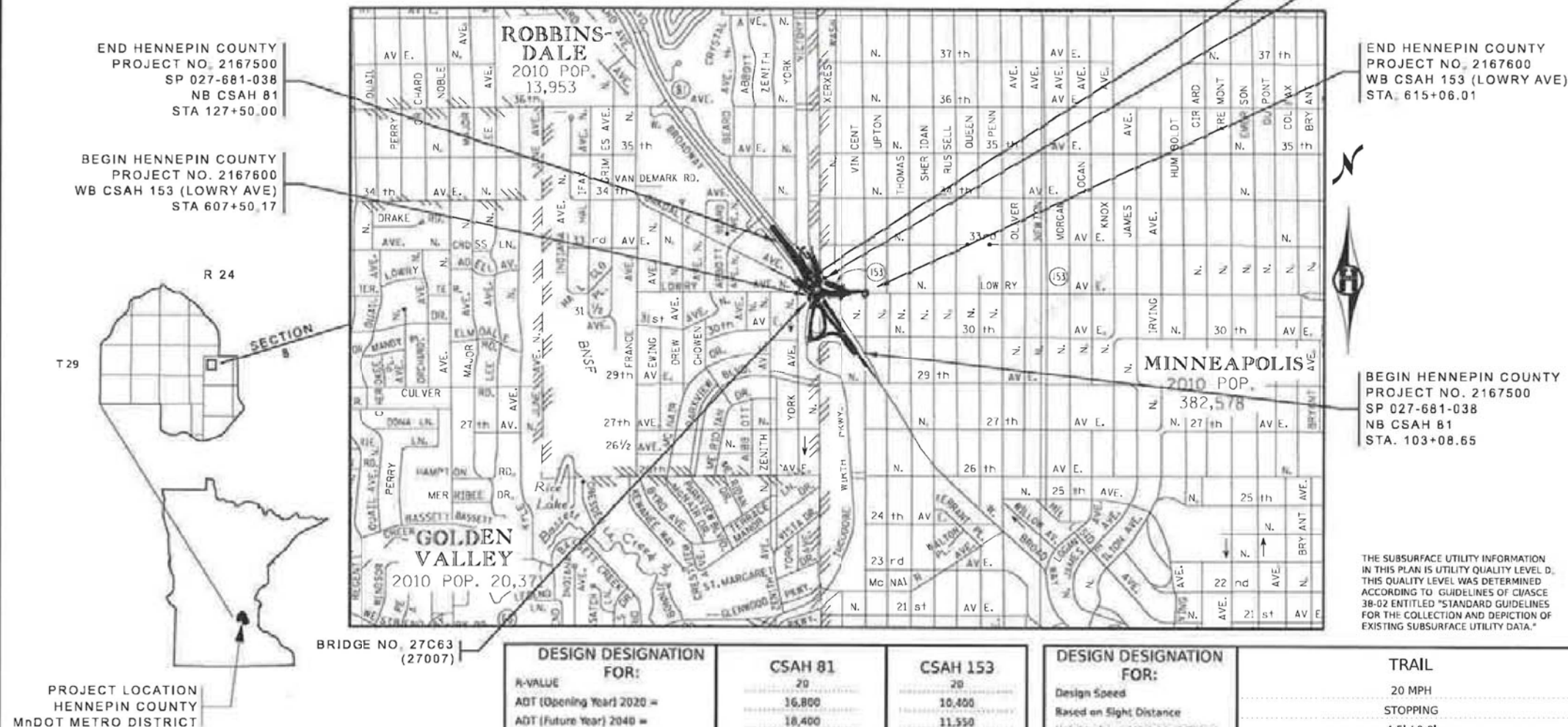
FROM: APPROXIMATELY 600 FEET NORTH OF N 29TH AVENUE TO
APPROXIMATELY 150 FEET SOUTH OF ABBOTT AVENUE N

GROSS LENGTH	2,441.35	FEET	0.462	MILES
BRIDGE LENGTH	294.00	FEET	0.056	MILES
EXCEPTION LENGTH	0.00	FEET	0.000	MILES
NET LENGTH	2,441.35	FEET	0.462	MILES

LENGTH AND DESCRIPTION BASED UPON NB CSAH 8

SCALES

PLAN	60'
GENERAL LAYOUT	300'
INDEX MAP	2000'
PROFILE	100' HORIZ. 10' VERT.
DRAIN PROFILE	100' HORIZ. 10' VERT.



I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS,
IF ANY WERE 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.

PRINT NAME: _____

DATE: _____ LICENSE # _____

DESIGN DESIGNATION FOR:	CSAH 81	CSAH 153	DESIGN DESIGNATION FOR:	TRAIL
A-VALUE	20	20	Design Speed	20 MPH
ADT (Opening Year) 2020 =	16,800	10,400	Based on Sight Distance	STOPPING
ADT (Future Year) 2040 =	18,400	11,550	Height of eye / Height of Object	4.5' / 0.0'
T (HEAVY COMMERCIAL)	4.8% (EST.)	4.4% (EST.)	Design Speed not achieved at:	TRAIL A 1101+92.77 TO STA 1102+55.42 (STOP CONDITION)
PAVEMENT DESIGN	10 TON	10 TON		TRAIL B 1201+20.88 TO STA 1201+52.46 (STOP CONDITION)
FUNCTIONAL CLASSIFICATION	A-MINOR AUGMENTOR	A-MINOR AUGMENTOR		TRAIL D 1400+00.00 TO STA 1400+60.00 (18 MPH)
NO. OF TRAFFIC LANES	4	2		TRAIL D 1401+47.59 TO STA 1401+72.59 (9.5 MPH)
NO. OF PARKING LANES	0	0		TRAIL D 1401+57.59 TO STA 1402+51.56 (12.8 MPH)
SHOULDER WIDTH	N/A	N/A		TRAIL D 1403+34.89 TO STA 1403+75.35 (STOP CONDITION)
ESALS (20)	2,109,000 (20 YRS.)	1,431,000 (20 YRS.)		TRAIL E 1500+82.28 TO STA 1501+64.55 (15.6 MPH)
Design Speed	35 MPH (103+00 TO 118+00)	30 MPH		TRAIL E 1504+55.53 TO STA 1504+80.30 (STOP CONDITION)
	40 MPH (118+00 TO 117+50)			TRAIL F 1600+05.49 TO STA 1600+80.35 (STOP CONDITION)
Based on Sight Distance	STOPPING	STOPPING		
Height of eye / Height of Object	3.5' / 2.0'	3.5' / 2.0'		
Design Speed not achieved at:	N/A	N/A		

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.

Brandon J. Maas
BRANDON J. MAAS, PROFESSIONAL ENGINEER
SRF CONSULTING GROUP, INC.

53788 05/20/20
LICENSE NO. DATE

SRF CONSULTING GROUP, INC.

CSAH 81 BRIDGES OVER LOWRY/ THEODORE WIRTH PKWY
HENNEPIN COUNTY PROJECT NO. 2167500, 2167600
SP 027-681-038

MINN. PROJ. NO. STPF 2720(170)

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE TO THE LATEST EDITION OF THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) INCLUDING THE LATEST "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS".

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL LAYOUT
3 - 8	STATEMENT OF ESTIMATED QUANTITIES
9	CONSTRUCTION/SOILS NOTES
10	STANDARD PLATES AND INDEX OF TABULATIONS
11 - 13	EARTHWORK SUMMARY AND TABULATIONS
14 - 24	EXISTING UTILITY TABULATIONS
25 - 28	TABULATIONS
29 - 36	MISCELLANEOUS DETAILS
37 - 77	STANDARD PLANS
78 - 89	TYPICAL SECTIONS
90 - 97	ALIGNMENT PLAN AND TABULATIONS
98 - 173	STAGING AND TRAFFIC CONTROL PLANS AND DETAILS
174 - 179	EXISTING TOPOGRAPHY AND UTILITY PLANS
180 - 185	REMOVAL PLANS
186 - 191	CONSTRUCTION PLANS
192 - 195	CONSTRUCTION DETAILS
196 - 206	PROFILES
207 - 211	PEDESTRIAN CURB RAMP DETAILS
212 - 214	CURB PROFILES
215 - 218	RETAINING WALL PLANS
219	WATER RESOURCES NOTES
220 - 225	DRAINAGE AND SUPERELEVATION PLANS
226 - 245	DRAINAGE PROFILES, TABULATIONS, AND DETAILS
246 - 251	TURF ESTABLISHMENT PLANS
252 - 301	SIGNING AND STRIPING PLANS AND DETAILS
302 - 330	LIGHTING PLANS AND DETAILS
331 - 344	LANDSCAPE PLANS AND DETAILS
345 - 356	MONUMENT PLANS AND DETAILS
357 - 359	CONTOUR PLANS
360	CROSS SECTION LAYOUT PLANS
361 - 409	CROSS SECTIONS
RB1 - RB72	BRIDGE NO. 27C62 PLANS
SB1 - SB60	BRIDGE NO. 27C63 PLANS
NB1 - NB58	BRIDGE NO. 27C64 PLANS

THIS PLAN CONTAINS 599 SHEETS

APPROVED	<i>Carla Stuebe</i> HENNEPIN COUNTY, COUNTY HIGHWAY ENGINEER	5/22/2020 DATE
RECOMMENDED FOR APPROVAL	<i>John Brader</i> HENNEPIN COUNTY, BRIDGE DIVISION MANAGER	5/22/2020 DATE
RECOMMENDED FOR APPROVAL	<i>344</i> HENNEPIN COUNTY, BRIDGE DIVISION ENGINEER	5/21/2020 DATE
APPROVED	<i>Byron Danks</i> CITY OF MINNEAPOLIS, CITY ENGINEER	5/31/2020 DATE
APPROVED	<i>ARELI</i> CITY OF ROBBINSDALE, CITY ENGINEER	28 May 20 DATE
APPROVED	<i>D/L C</i> DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AND FEDERAL AID RULES/POLICY	6/11/2020 DATE
APPROVED	<i>D/L C</i> for APPROVED FOR STATE AID AND FEDERAL AID FUNDING: STATE AID ENGINEER	6/11/2020 DATE

TITLE SHEET

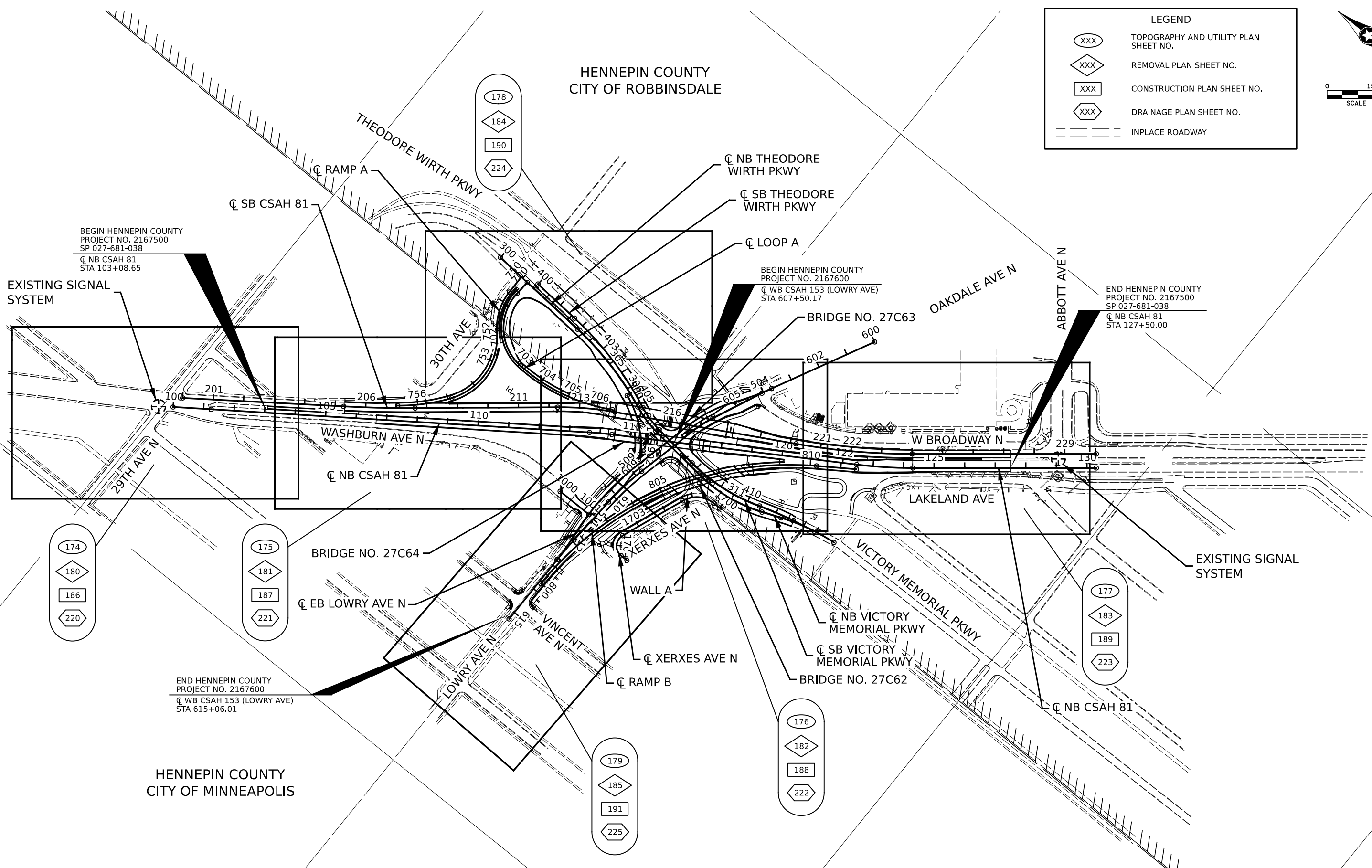
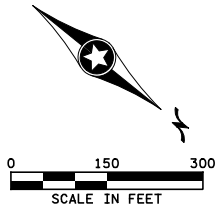
SHEET



1
409

HENNEPIN COUNTY
CITY OF ROBBINSDALE

LEGEND

- TOPOGRAPHY AND UTILITY PLAN SHEET NO.
- REMOVAL PLAN SHEET NO.
- CONSTRUCTION PLAN SHEET NO.
- DRAINAGE PLAN SHEET NO.
- INPLACE ROADWAY



	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.			DESIGN BY:	K. STRANDBERG	GENERAL LAYOUT		SHEET
				CAD BY:	J. VAN BECK	CSAH 81 BRIDGES OVER LOWRY/ THEODORE WIRTH PKWY HENNEPIN COUNTY PROJECT NO. 2167500, 2167600 SP 027-681-038		2
	BRANDON J. MAAS, PROFESSIONAL ENGINEER			CHECKED BY:	B. MAAS			409
	SRF CONSULTING GROUP, INC.			53788	05/20/20			
				LICENSE NO.	DATE			
			LAST REVISION:					

STATEMENT OF ESTIMATED QUANTITIES																		
NOTES	TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL	PARTICIPATING										NON-PARTICIPATING	
						ESTIMATED	SP 027-681-038 (A)										SAP 027-681-038	HENNEPIN COUNTY (C)
							ROADWAY	STORM SEWER	BRIDGE 27C62 (RAMP)	BRIDGE 27C62 (RAMP) BONDS	BRIDGE 27C64 (NB81)	BRIDGE 27C64 (NB81) BONDS	BRIDGE 27C63 (SB81)	BRIDGE 27C63 (SB81) BONDS	TRAIL (B)	LANDSCAPE (D)		
						QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	
			2011.601	VIBRATION MONITORING	LUMP SUM	1	1											
			2021.501	MOBILIZATION	LUMP SUM	1	0.33	0.03	0.05	0.13	0.04	0.16	0.05	0.19			0.02	
			2031.502	FIELD OFFICE TYPE D	EACH	1	0.33	0.03	0.05	0.13	0.04	0.16	0.05	0.19			0.02	
			2031.502	FIELD LABORATORY TYPE DX	EACH	1	0.33	0.03	0.05	0.13	0.04	0.16	0.05	0.19			0.02	
			2041.610	TRAINEES	HOUR	2500	2500											
	C	25	2101.505	CLEARING (P)	ACRE	0.44	0.44											
	C	25	2101.505	GRUBBING (P)	ACRE	0.44	0.44											
	C	25	2101.524	CLEARING	TREE	129	129											
	C	25	2101.524	GRUBBING	TREE	129	129											
	AC	115	2102.503	PAVEMENT MARKING REMOVAL	LIN FT	3000	3000											
	AC	115	2102.518	PAVEMENT MARKING REMOVAL	SQ FT	300	300											
	E	26	2104.502	REMOVE LIGHTING UNIT	EACH	31	31											
	E	26	2104.502	REMOVE TWISTED END TREATMENT	EACH	2	2											
	S, V	19 , 230	2104.502	REMOVE DRAINAGE STRUCTURE	EACH	67	67											
	CC	275	2104.502	REMOVE MARKER	EACH	12	12											
	CC	275	2104.502	REMOVE SIGN TYPE C	EACH	60	60											
	EE	275	2104.502	REMOVE SIGN TYPE D	EACH	9	9											
	GG	276	2104.502	REMOVE SIGN TYPE SPECIAL	EACH	8	8											
	E	26	2104.502	REMOVE EQUIPMENT PAD	EACH	1	1											
	E	26	2104.502	REMOVE HANDHOLE	EACH	1	1											
	E	26	2104.502	REMOVE LIGHT FOUNDATION	EACH	41	41											
	E	26	2104.502	REMOVE SERVICE CABINET	EACH	1	1											
	CC	275	2104.502	REMOVE SIGN PANEL TYPE C	EACH	13	13											
	E	26	2104.502	REMOVE ENERGY ABSORBING TERMINAL	EACH	5	5											
			2104.502	SALVAGE LIGHTING UNIT	EACH	10	10											
	FF	276	2104.502	SALVAGE SIGN TYPE SPECIAL	EACH	3	3											
	HH	276	2104.502	SALVAGE SIGN PANEL TYPE SPECIAL	EACH	6	6											
	DD	275	2104.502	REMOVE SIGN PANEL SPECIAL	EACH	1	1											
	D	25	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	31	31											
	D	25	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	12980	12980											
	S, V	19 , 230	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	3848	3848											
	E	26	2104.503	REMOVE CURB & GUTTER	LIN FT	15430	15430											
	E	26	2104.503	REMOVE RETAINING WALL	LIN FT	165	165											
	E	26	2104.503	REMOVE FENCE	LIN FT	145	145											
	E	26	2104.503	REMOVE GUARDRAIL-PLATE BEAM	LIN FT	1750	1750											
	E	26	2104.504	REMOVE CONCRETE PAVEMENT (P)	SQ YD	300	300											
	E	26	2104.504	REMOVE BITUMINOUS PAVEMENT (P)	SQ YD	22930	22930											
	E	26	2104.518	REMOVE BITUMINOUS WALK (P)	SQ FT	11290	11290											
	E	26	2104.518	REMOVE CONCRETE WALK (P)	SQ FT	22800	22800											
	E	26	2104.518	REMOVE CONCRETE DRIVEWAY PAVEMENT (P)	SQ FT	500	500											
	E	26	2104.518	REMOVE CONCRETE MEDIAN (P)	SQ FT	5680	5680											
(1)			2104.601	REMOVE CONDUIT SYSTEM	LUMP SUM	1	1											
(5)			2104.601	REMOVE MISCELLANEOUS STRUCTURES	LUMP SUM	1	1											
	E	26	2104.618	SALVAGE CONCRETE PAVERS (P)	SQ FT	2460	2460											
			2105.601	DEWATERING	LUMP SUM	1	1											

NOTES:

- (1) SEE REMOVAL PLANS. INCLUDES HANDHOLES AND CONDUIT FROM ABANDONED SIGNAL SYSTEM.
- (5) REMOVAL OF COMMUNITY ENTRANCE SIGN FOR MINNEAPOLIS AND ROBBINSDALE.
- (P) DENOTES PLAN QUANTITY

- (A) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY SA FUNDS) (CAPPED)
REMAINDER 100% HENNEPIN COUNTY SA FUNDS
- (B) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY LOCAL FUNDS)
- (C) 100% HENNEPIN COUNTY LOCAL FUNDS
- (D) 100% HENNEPIN COUNTY SA FUNDS

STATEMENT OF ESTIMATED QUANTITIES																
NOTES	TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL	PARTICIPATING									
						ESTIMATED	SP 027-681-038 (A)									
							ROADWAY	STORM SEWER	BRIDGE 27C62 (RAMP)	BRIDGE 27C62 (RAMP) BONDS	BRIDGE 27C64 (NB81)	BRIDGE 27C64 (NB81) BONDS	BRIDGE 27C63 (SB81)	BRIDGE 27C63 (SB81) BONDS	TRAIL (B)	NON-PARTICIPATING
						QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
	A	11	2106.507	EXCAVATION - COMMON (P)	CU YD	21776	21776									
	A	11	2106.507	EXCAVATION - SUBGRADE (P)	CU YD	9823	9823									
	A	11	2106.507	GRANULAR EMBANKMENT (CV) (P)	CU YD	565	565									
	A	11	2106.507	SELECT GRANULAR EMBANKMENT (CV) (P)	CU YD	11580	11580									
	A	11	2106.507	SELECT GRANULAR EMBANKMENT MOD 10% (CV) (P)	CU YD	9118	9118									
	A	11	2106.507	COMMON EMBANKMENT (CV) (P)	CU YD	20775	20775									
			2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOOR	300	300									
	J	27	2211.507	AGGREGATE BASE (CV) CLASS 5 (P)	CU YD	6800	6500								300	
(4)	Y	28	2231.604	BITUMINOUS PATCH SPECIAL	SQ YD	3576	3576									
	F	26	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	2080	2080									
	G	27	2301.504	CONCRETE PAVEMENT 8.0"	SQ YD	50	50									
	H	25	2301.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EACH	147	147									
	F	26	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (3.B)	TON	3520	3520									
	F	26	2360.509	TYPE SP 12.5 WEARING COURSE MIX (3.C)	TON	5070	5070									
(2)			2401.503	TYPE P-1 BARRIER CONCRETE (3S52) (P)	LIN FT	490			241	249						
(2)			2401.503	TYPE P-4 (TL-4) BARRIER CONCRETE (3S52) (P)	LIN FT	500							115	385		
(2)			2401.503	TYPE S (TL-4) 36" BARRIER CONC (3S52) (P)	LIN FT	1900			85	525	150	690	74	376		
(2)			2401.507	STRUCTURAL CONCRETE (1G52) (P)	CU YD	1756			255	274	288	371	219	349		
(2)	L	215	2401.507	STRUCTURAL CONCRETE (3B52) (P)	CU YD	2237	62		245	446	266	490	236	492		
(2)			2401.508	REINFORCEMENT BARS (P)	POUND	164690			25485	21565	26990	33030	24626	32994		
(2)	L	215	2401.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	544600	2860		44538	114062	46520	144460	41011	151149		
(2)			2401.601	STRUCTURE EXCAVATION (BR NO 27C62)	LUMP SUM	1			0.1	0.9						
(2)			2401.601	STRUCTURE EXCAVATION (BR NO 27C64)	LUMP SUM	1						1				
(2)			2401.601	STRUCTURE EXCAVATION (BR NO 27C63)	LUMP SUM	1							0.1	0.9		
(2) (6)			2401.618	BRIDGE DECK PLANING (P)	SQ FT	31971			569	4602		9580	1429	15791		
(2)			2401.618	BRIDGE SLAB CONCRETE (3YHPC-M) (P)	SQ FT	28210						10280	1488	16442		
(2)			2401.618	BRIDGE SLAB CONCRETE (3YHPC-S) (P)	SQ FT	8110			892	7218						
(2)			2402.502	BEARING ASSEMBLY	EACH	74			3	21		20	2	28		
(2)			2402.503	ORNAMENTAL METAL RAILING TYPE SPECIAL (P)	LIN FT	490			54	436						
(2)			2402.503	EXPANSION JOINT DEVICES TYPE 4 (P)	LIN FT	170						70	8	92		
(2)			2402.503	EXPANSION JOINT DEVICES TYPE 5 (P)	LIN FT	90			10	80						
(2)			2404.618	CONCRETE WEARING COURSE (3U17A) 2.0" (P)	SQ FT	6202			682	5520						
(2)			2405.503	PRESTRESSED CONCRETE BEAMS 40MH (P)	LIN FT	1300			143	1157						
(2)			2405.503	PRESTRESSED CONCRETE BEAMS 82 MW (P)	LIN FT	4282						1532	228	2522		
(2)			2405.503	DIAPHRAGMS FOR TYPE 82 MW PREST BEAMS (P)	LIN FT	610						230	31	349		
(2)			2405.503	DIAPHRAGMS FOR TYPE 40MH PREST BEAMS (P)	LIN FT	190			21	169						
			2406.503	EXPANSION JOINTS, DESIGN E8H (P)	LIN FT	229			8	65		65	7	84		
			2406.504	BRIDGE APPROACH PANELS (P)	SQ YD	669			36	288		143	17	185		
	A	11	2411.507	STRUCTURE EXCAVATION CLASS U	CU YD	9974	9974									
(2)			2411.602	ARCHITECTURAL CONCRETE EMBLEM (P)	EACH	2										2
(2)	L	215	2411.618	ANTI-GRAFFITI COATING (P)	SQ FT	18404										18404
(2)	L	215	2411.618	ARCH SURFACE FINISH (SINGLE COLOR) (P)	SQ FT	5542										5542
(2)	L	215	2411.618	ARCH CONC TEXTURE (FRACTURED FIN) (P)	SQ FT	5542										5542
(2)			2442.501	REMOVE EXISTING BRIDGE (BR NO 27006)	LUMP SUM	1				1						
(2)			2442.501	REMOVE EXISTING BRIDGE (BR NO 27008)	LUMP SUM	1						1				

NOTES:
(2) SEE BRIDGE PLANS
(4) TEMPORARY PAVEMENT PROVIDED FOR USE DURING CONSTRUCTION STAGING. SEE INSET G AND INSET I OF THE TYPICAL SECTIONS.
(6) BRIDGE PLANING FOR 27C63 TO BE PERFORMED AFTER COMPLETION OF STAGE 2
(P) DENOTES PLAN QUANTITY

(A) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY SA FUNDS) (CAPPED)
REMAINDER 100% HENNEPIN COUNTY SA FUNDS
(B) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY LOCAL FUNDS)
(C) 100% HENNEPIN COUNTY LOCAL FUNDS
(D) 100% HENNEPIN COUNTY SA FUNDS

STATEMENT OF ESTIMATED QUANTITIES																
NOTES	TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL	PARTICIPATING									
						ESTIMATED	SP 027-681-038 (A)									
							ROADWAY	STORM SEWER	BRIDGE 27C62 (RAMP)	BRIDGE 27C62 (RAMP) BONDS	BRIDGE 27C64 (NB81)	BRIDGE 27C64 (NB81) BONDS	BRIDGE 27C63 (SB81)	BRIDGE 27C63 (SB81) BONDS	TRAIL (B)	NON-PARTICIPATING
						QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
(2)			2442.501	REMOVE EXISTING BRIDGE (BR NO 27007)	LUMP SUM	1								1		
(2)			2452.502	C-I-P CONC TEST PILE 60 FT LONG 12"	EACH	29			7	5	5	4	4	4		
(2)			2452.603	C-I-P CONCRETE PILING 12"	LIN FT	25050			2734	3516	4050	5600	3144	6006		
	L	215	2452.618	STEEL SHEET PILING (PERMANENT)	SQ FT	3718	3718									
	V	230 - 234	2501.502	15" RC PIPE APRON	EACH	1		1								
	V	230 - 234	2501.502	18" RC PIPE APRON	EACH	4		4								
	V	230 - 234	2501.602	TRASH GUARD FOR 18" PIPE APRON	EACH	2		2								
(2)			2502.501	DRAINAGE SYSTEM TYPE (B910) (BR NO 27C62)	LUMP SUM	1			0.1	0.9						
(2)			2502.501	DRAINAGE SYSTEM TYPE (B910) (BR NO 27C64)	LUMP SUM	1						1				
(2)			2502.501	DRAINAGE SYSTEM TYPE (B910) (BR NO 27C63)	LUMP SUM	1							0.1	0.9		
	M	25	2502.503	4" PERF TP PIPE DRAIN	LIN FT	2700	2700									
	V	230 - 234	2503.503	15" CP PIPE SEWER (SMOOTH)	LIN FT	133										
	V	230 - 234	2503.503	15" RC PIPE SEWER DES 3006 CL V	LIN FT	2323		2323								
	V	230 - 234	2503.503	18" RC PIPE SEWER DES 3006 CL III	LIN FT	379		379								
	V	230 - 234	2503.503	24" RC PIPE SEWER DES 3006 CL III	LIN FT	35		35								
	V	230 - 234	2503.503	27" RC PIPE SEWER DES 3006 CL III	LIN FT	247		247								
	V	230 - 234	2503.503	30" RC PIPE SEWER DES 3006 CL III	LIN FT	390		390								
	V	230 - 234	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	14		14								
	V	230 - 234	2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	3		3								
(3)			2503.602	INSPECTION HOLE	EACH	15	15									
	Z, U	17 , 331	2504.601	IRRIGATION SYSTEM	LUMP SUM	1	1									
	R	18 - 19	2504.602	RELOCATE HYDRANT	EACH	1	1									
	R	18 - 19	2504.602	ADJUST GATE VALVE & BOX	EACH	3	3									
	R	18 - 19	2504.602	ADJUST WATER MANHOLES	EACH	1	1									
	R	18 - 19	2504.602	RECONSTRUCT WATER MANHOLE	EACH	6	6									
	V	230 - 234	2504.604	4" POLYSTYRENE INSULATION	SQ YD	21.3		21.3								
	X	219	2506.502	CASTING ASSEMBLY	EACH	94		94								
	Q, S	17 , 19	2506.502	ADJUST FRAME & RING CASTING	EACH	9	9									
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN G	LIN FT	62.3		62.3								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN H	LIN FT	48.7		48.7								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN N	LIN FT	18.9		18.9								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN SD-48	LIN FT	38.4		38.4								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN SPEC 1	LIN FT	37.5		37.5								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN SPEC 2	LIN FT	16.7		16.7								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	LIN FT	6.6		6.6								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	155		155								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DES 54-4020	LIN FT	59		59								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	15.6		15.6								
	V	230 - 234	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	18.1		18.1								
	Q, S	17 , 19	2506.503	RECONSTRUCT DRAINAGE STRUCTURE	LIN FT	38.9	38.9									
	V	230 - 234	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	62.8		62.8								
	V	230 - 234	2511.507	RANDOM RIPRAP CLASS II	CU YD	12.7		12.7								
(2)			2514.504	CONCRETE SLOPE PAVING (P)	SQ YD	1038			34	276		292	36	400		
	G	27	2521.518	4" CONCRETE WALK	SQ FT	23050	23050									
	G	27	2521.518	6" CONCRETE WALK	SQ FT	6460	6460									

NOTES:
(2) SEE BRIDGE PLANS
(3) ITEM TO BE USED AT THE DISCRETION OF THE ENGINEER FOR UTILITY INSPECTIONS.
(P) DENOTES PLAN QUANTITY

(A) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY SA FUNDS) (CAPPED)
REMAINDER 100% HENNEPIN COUNTY SA FUNDS
(B) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY LOCAL FUNDS)
(C) 100% HENNEPIN COUNTY LOCAL FUNDS
(D) 100% HENNEPIN COUNTY SA FUNDS



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.

Brandon J. Maas

BRANDON J. MAAS, PROFESSIONAL ENGINEER

SRF CONSULTING GROUP, INC

53788

LICENSE NO.

12/03/20

DATE

DESIGN BY:

K. STRANDBERG

CAD BY:

J. VAN BECK

CHECKED BY:

B. MAAS

LAST REVISION:

STATEMENT OF ESTIMATED QUANTITIES

CSAH 81 BRIDGES OVER LOWRY/ THEODORE WIRTH PKWY
HENNEPIN COUNTY PROJECT NO. 2167500, 2167600
SP 027-681-038

SHEET

5

409

STATEMENT OF ESTIMATED QUANTITIES																
NOTES	TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL	PARTICIPATING									
						ESTIMATED	SP 027-681-038 (A)									
							ROADWAY	STORM SEWER	BRIDGE 27C62 (RAMP)	BRIDGE 27C62 (RAMP) BONDS	BRIDGE 27C64 (NB81)	BRIDGE 27C64 (NB81) BONDS	BRIDGE 27C63 (SB81)	BRIDGE 27C63 (SB81) BONDS	TRAIL (B)	NON-PARTICIPATING
						QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
	F	26	2521.518	3.5" BITUMINOUS WALK	SQ FT	31720	18280								13440	
	U	331	2521.618	SPECIAL SURFACE FINISH TYPE A	SQ FT	7145										7145
	U	331	2521.618	SPECIAL SURFACE FINISH TYPE B	SQ FT	1730										1730
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	1070	1070									
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	350	350									
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN B612 (MOD)	LIN FT	3130	3130									
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	1230	1230									
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	10400	10400									
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN B672	LIN FT	180	180									
	G	27	2531.503	CONCRETE CURB & GUTTER DESIGN D424	LIN FT	200	200									
	G	27	2531.503	CONCRETE CURB DESIGN B6	LIN FT	215	215									
	G	27	2531.503	CONCRETE CURB DESIGN V6	LIN FT	105	105									
	G	27	2531.503	CONCRETE CURB DESIGN V10	LIN FT	125	125									
	G	27	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	30	30									
	H	25	2531.618	TRUNCATED DOMES	SQ FT	624	624									
	G	27	2533.503	CONC MED BAR DES SINGLE SLOPE TYPE 36A	LIN FT	66	66									
	AA, AC	115 , 115	2533.503	PORTABLE PRECAST CONC BARRIER DES 8337	LIN FT	1488	1488									
	AA, AC	115 , 115	2533.503	RELOCATE PORT PRECAST CONC BAR DES 8337	LIN FT	888	888									
	II	276	2540.602	INFORMATION SIGN TYPE A	EACH	3	3									
	JJ	278	2540.602	INFORMATION SIGN TYPE B	EACH	2	2									
	U	331	2540.602	ENTRY MONUMENT TYPE A	EACH	1	1									
	U	331	2540.602	ENTRY MONUMENT TYPE B	EACH	1	1									
	U	331	2540.603	LANDSCAPE EDGER	LIN FT	253									253	
	U	331	2540.618	INSTALL CONCRETE PAVERS	SQ FT	1522	1522									
	U	331	2540.618	CONCRETE PAVERS	SQ FT	1794										1794
	T	302	2545.501	LIGHTING SYSTEM "A"	LUMP SUM	1	0.6									0.4
	T	302	2545.501	LIGHTING SYSTEM "B"	LUMP SUM	1	0.6									0.4
	T	302	2545.501	LIGHTING SYSTEM "C"	LUMP SUM	1	0.6									0.4
(2)			2545.501	CONDUIT SYSTEM TYPE 1 (BR NO 27C62)	LUMP SUM	1			1							
(2)			2545.501	CONDUIT SYSTEM TYPE 1 (BR NO 27C64)	LUMP SUM	1					1					
(2)			2545.501	CONDUIT SYSTEM TYPE 1 (BR NO 27C63)	LUMP SUM	1							1			
(2)			2545.501	CONDUIT SYSTEM TYPE 2 (BR NO 27C62)	LUMP SUM	1			1							
(2)			2545.501	CONDUIT SYSTEM TYPE 2 (BR NO 27C64)	LUMP SUM	1					1					
(2)			2545.501	CONDUIT SYSTEM TYPE 2 (BR NO 27C63)	LUMP SUM	1							1			
	T	302	2545.502	LIGHTING UNIT TYPE SPECIAL 1	EACH	9	9									
	T	302	2545.502	LIGHTING UNIT TYPE SPECIAL 2	EACH	3	3									
	T	302	2545.502	LIGHTING UNIT TYPE SPECIAL 3	EACH	14	14									
	T	302	2545.502	LIGHTING UNIT TYPE SPECIAL 6	EACH	12	12									
	T	302	2545.502	LIGHTING UNIT TYPE SPECIAL 7	EACH	2	2									
	T	302	2545.502	LIGHTING UNIT TYPE SPECIAL 8	EACH	2	2									
	T	302	2545.502	LIGHT FOUNDATION DESIGN SPECIAL 1	EACH	12	12									
	T	302	2545.502	LIGHT FOUNDATION DESIGN SPECIAL 2	EACH	22	22									
	T	302	2545.502	LIGHT FOUNDATION DESIGN SPECIAL 4	EACH	8	8									
	T	302	2545.502	HANDHOLE	EACH	1	1									
	T	302	2545.502	HANDHOLE (MINNEAPOLIS)	EACH	4	4									

NOTES:
(2) SEE BRIDGE PLANS

- (A) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY SA FUNDS) (CAPPED)
REMAINDER 100% HENNEPIN COUNTY SA FUNDS
(B) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY LOCAL FUNDS)
(C) 100% HENNEPIN COUNTY LOCAL FUNDS
(D) 100% HENNEPIN COUNTY SA FUNDS

STATEMENT OF ESTIMATED QUANTITIES																		
NOTES	TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL	PARTICIPATING										NON-PARTICIPATING	
						ESTIMATED	SP 027-681-038 (A)										SAP 027-681-038	HENNEPIN COUNTY (C)
							ROADWAY	STORM SEWER	BRIDGE 27C62 (RAMP)	BRIDGE 27C62 (RAMP) BONDS	BRIDGE 27C64 (NB81)	BRIDGE 27C64 (NB81) BONDS	BRIDGE 27C63 (SB81)	BRIDGE 27C63 (SB81) BONDS	TRAIL (B)	LANDSCAPE (D)		
						QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	
	T	302	2545.502	HANDHOLE (PARK BOARD)	EACH	4	4											
	T	302	2545.503	1" NON-METALLIC CONDUIT	LIN FT	240	240											
	T	302	2545.503	2" NON-METALLIC CONDUIT	LIN FT	5887	5887											
	T	302	2545.503	2" NON-METALLIC COND (DIRECTIONAL BORE)	LIN FT	484	484											
	T	302	2545.503	UNDERGROUND WIRE 1/C 4 AWG	LIN FT	32190	32190											
	T	302	2545.503	UNDERGROUND WIRE 1/C 10 AWG	LIN FT	2019	2019											
	T	302	2545.602	INSTALL LIGHTING UNIT	EACH	10	10											
	V	230 - 234	2554.502	GUIDE POST TYPE B	EACH	7	7											
	K	27	2554.502	ANCHORAGE ASSEMBLY - TYPE 31	EACH	1	1											
	K	27	2554.502	END TREATMENT-TANGENT TERMINAL	EACH	6	6											
	K	27	2554.503	TRAFFIC BARRIER DESIGN SPECIAL	LIN FT	25	25											
	K	27	2554.503	TRAFFIC BARRIER DESIGN TYPE 31	LIN FT	448	448											
	K	27	2554.503	TRAFFIC BARRIER DESIGN TRANS TYPE 31	LIN FT	125	125											
	K	27	2554.503	TRAFFIC BARRIER DESIGN B8307	LIN FT	150	150											
	K	27	2554.615	IMPACT ATTENUATOR	ASSEMBLY	1	1											
			2557.502	ELECTRICAL GROUND	EACH	3	3											
	W	26	2557.503	WIRE FENCE DESIGN 60V-9322	LIN FT	90	90											
(7)			2557.603	TEMPORARY CHAIN LINK FENCE AND GATES	LIN FT	424	424											
			2563.601	TRAFFIC CONTROL SUPERVISOR	LUMP SUM	1	0.3		0.1	0.1	0.1	0.1	0.1	0.2				
			2563.601	TRAFFIC CONTROL	LUMP SUM	1	0.33	0.03	0.05	0.13	0.04	0.16	0.05	0.19			0.02	
	AA, AC	115 , 115	2563.602	PORTABLE CONCRETE BARRIER DELINEATOR	EACH	130	130											
	AA	115	2563.602	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	29	29											
	AC	115	2563.613	PORTABLE CHANGEABLE MESSAGE SIGN	UNIT DAY	500	500											
	AA, AC	115 , 115	2563.615	TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	1	1											
	AA, AC	115 , 115	2563.615	RELOCATE TEMPORARY IMPACT ATTENUATOR	ASSEMBLY	1	1											
	AC	115	2563.618	CONSTRUCTION SIGN-SPECIAL	SQ FT	500	500											
	HH	276	2564.502	INSTALL SIGN PANEL TYPE SPECIAL	EACH	6	6											
	LL	278	2564.502	DELINEATOR TYPE X4-6	EACH	7	7											
	LL	278	2564.502	OBJECT MARKER TYPE X4-2	EACH	10	10											
	LL	278	2564.502	OBJECT MARKER TYPE X4-4	EACH	3	3											
	LL	278	2564.502	OBJECT MARKER TYPE X4-5	EACH	1	1											
	MM	279 - 280	2564.518	SIGN PANELS TYPE C	SQ FT	446	446											
	KK	277 - 278	2564.518	SIGN PANELS TYPE D	SQ FT	363	363											
	MM	279 - 280	2564.602	SIGN COLLAR	EACH	21	21											
	FF	276	2564.602	INSTALL SIGN TYPE SPECIAL	EACH	3	3											
	U	331	2571.524	CONIFEROUS TREE 8' HT B&B	TREE	26	26											
	U	331	2571.524	DECIDUOUS TREE 2" CAL B&B	TREE	110	110											
	U	331	2571.524	ORNAMENTAL TREE 1.5" CAL B&B	TREE	3	3											
	U	331	2571.525	CONIFEROUS SHRUB 18" SPREAD CONT	SHRUB	12										12		
	U	331	2571.525	DECIDUOUS SHRUB NO 2 CONT	SHRUB	72										72		
	U	331	2571.527	PERENNIAL NO 1 CONT	PLANT	247										247		
			2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1	0.4		0.1	0.1	0.1	0.1	0.1	0.1				
			2573.601	TEMPORARY EROSION CONTROL	LUMP SUM	1	0.4		0.1	0.1	0.1	0.1	0.1	0.1				
	N	28	2574.505	SUBSOILING	ACRE	6.8	6.8											
	N	28	2574.505	SOIL BED PREPARATION	ACRE	6.8	6.8											

NOTES:
(7) ITEM TO BE USED AROUND FIELD OFFICE

- (A) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY SA FUNDS) (CAPPED)
REMAINDER 100% HENNEPIN COUNTY SA FUNDS
(B) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY LOCAL FUNDS)
(C) 100% HENNEPIN COUNTY LOCAL FUNDS
(D) 100% HENNEPIN COUNTY SA FUNDS

STATEMENT OF ESTIMATED QUANTITIES																		
NOTES	TAB	SHEET NO.	ITEM NO.	ITEM DESCRIPTION	UNIT	PROJECT TOTAL	PARTICIPATING										NON-PARTICIPATING	
						ESTIMATED	SP 027-681-038 (A)										SAP 027-681-038	HENNEPIN COUNTY (C)
							ROADWAY	STORM SEWER	BRIDGE 27C62 (RAMP)	BRIDGE 27C62 (RAMP) BONDS	BRIDGE 27C64 (NB81)	BRIDGE 27C64 (NB81) BONDS	BRIDGE 27C63 (SB81)	BRIDGE 27C63 (SB81) BONDS	TRAIL (B)	LANDSCAPE (D)		
						QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	
	A, U	11 , 331	2574.507	BOULEVARD TOPSOIL BORROW	CU YD	1405	1405											
	U	331	2574.507	LOAM TOPSOIL BORROW	CU YD	160									160			
	N	28	2574.508	FERTILIZER TYPE 3	POUND	2245	2245											
	V	230 - 234	2575.504	SODDING TYPE LAWN	SQ YD	16	16											
	N	28	2575.505	SEEDING	ACRE	6.8	6.8											
	N	28	2575.505	MOWING	ACRE	13.6	13.6											
	N	28	2575.505	WEED SPRAYING	ACRE	3.6	3.6											
	N	28	2575.506	WEED SPRAY MIXTURE	GALLON	2.1	2.1											
	N	28	2575.508	SEED MIXTURE 25-131	POUND	1386	1386											
	N	28	2575.508	SEED MIXTURE 25-151	POUND	24	24											
	N	28	2575.508	SEED MIXTURE 33-261	POUND	11	11											
	N	28	2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	18124	18124											
	N	28	2575.523	WATER	M GALLON	15	15											
	N	28	2575.604	ROLLED EROSION PREVENTION CATEGORY 25	SQ YD	2671	2671											
	AC	115	2580.603	PAVEMENT MARKING - LATE SEASON	LIN FT	14800	14800											
	AC	115	2580.618	PAVEMENT MESSAGE - LATE SEASON	SQ FT	100	100											
	AB, AC	115 , 115	2581.503	REMOVABLE PREFORM PAVEMENT MARKING TAPE	LIN FT	614	614											
	AB, AC	115 , 115	2582.503	4" SOLID LINE PAINT	LIN FT	21441	21441											
	AB, AC	115 , 115	2582.503	6" SOLID LINE PAINT	LIN FT	4324	4324											
	AB, AC	115 , 115	2582.503	4" BROKEN LINE PAINT	LIN FT	200	200											
	AB	115	2582.503	4" DOTTED LINE PAINT	LIN FT	61	61											
	AB, AC	115 , 115	2582.503	4" DBLE SOLID LINE PAINT	LIN FT	16338	16338											
	AC	115	2582.503	4" SOLID LINE MULTI COMP	LIN FT	6100	6100											
	AC	115	2582.503	4" BROKEN LINE MULTI COMP	LIN FT	1200	1200											
	AC	115	2582.503	4" DBLE SOLID LINE MULTI COMP	LIN FT	1400	1400											
	BB	275	2582.503	4" SOLID LINE MULTI COMP (WR)	LIN FT	666	666											
	BB	275	2582.503	6" SOLID LINE MULTI COMP (WR)	LIN FT	1167	1167											
	BB	275	2582.503	4" BROKEN LINE MULTI COMP (WR)	LIN FT	223	223											
	BB	275	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	2670	2670											
	BB	275	2582.503	6" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	190	190											
	BB	275	2582.503	8" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	664	664											
	BB	275	2582.503	24" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	80	80											
	BB	275	2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	1476	1476											
	BB	275	2582.503	4" DBLE SOLID LINE MULTI COMP GR IN (WR)	LIN FT	634	634											
	BB	275	2582.503	24" SOLID LINE PREF THERMO GR IN	LIN FT	55	55											
	AC	115	2582.518	PAVT MSSG PAINT	SQ FT	100	100											
	AC	115	2582.518	PAVT MSSG MULTI COMP	SQ FT	100	100											
	BB	275	2582.518	PAVT MSSG PREF THERMO GR IN	SQ FT	150	150											
	BB	275	2582.518	CROSSWALK PREF THERMO GR IN	SQ FT	234	234											

- (A) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY SA FUNDS) (CAPPED)
REMAINDER 100% HENNEPIN COUNTY SA FUNDS
- (B) 80% STP FEDERAL, 20% MATCH (HENNEPIN COUNTY LOCAL FUNDS)
- (C) 100% HENNEPIN COUNTY LOCAL FUNDS
- (D) 100% HENNEPIN COUNTY SA FUNDS



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.

Brandon J. Maas

BRANDON J. MAAS, PROFESSIONAL ENGINEER

SRF CONSULTING GROUP, INC

53788

LICENSE NO.

12/03/20

DATE

DESIGN BY:

K. STRANDBERG

CAD BY:

J. VAN BECK

CHECKED BY:

B. MAAS

LAST REVISION:

STATEMENT OF ESTIMATED QUANTITIES

CSAH 81 BRIDGES OVER LOWRY/ THEODORE WIRTH PKWY
HENNEPIN COUNTY PROJECT NO. 2167500, 2167600
SP 027-681-038

SHEET

8

409