



June 25, 2012

Honorable Mayor and City Council
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Re: SAP 199-020-010 / S.A.P. 199-104-010 / C.P. 12-20

Armstrong Blvd & Sunwood Drive Improvements
City of Ramsey, Anoka County
WSB Project No. 1973-010

Dear Mayor and Council Members:

Bids were received for the above-referenced project on June 25, 2012, and were opened and read aloud. A total of six (6) bids were received. The bids were checked for mathematical accuracy and tabulated. Please find enclosed the bid tabulation indicating the low bidder as North Pine Aggregate, Inc., Forest Lake, MN in the amount of \$2,342,825.82

We recommend that the City Council consider these bids and award a contract to North Pine Aggregate, Inc. based on the results of the bids received.

Sincerely,

WSB & Associates, Inc.

A handwritten signature in black ink, appearing to read "Nicholas Hentges", with a long horizontal flourish extending to the right.

Nicholas Hentges, P.E.
Project Manager

Enclosures

cc: North Pine Aggregate, Inc.



BID TABULATION SUMMARY

Project: ARMSTRONG BLVD. AND 147TH AVE. SUNWOOD DR. INTERSECTION IMPROVEMENTS
Location: City of Ramsey, MN
Project Nos. S.A.P. 199-020-010 / S.A.P. 199-104-010 / C.P. 12-20
WSB Project No. 1973-010

Date: June 25, 2012, 10:00 a.m.

Contractor	Bid Security	Addendums 1 - 2	Total Bid
1 North Pine Aggregate, Inc.	X	Yes	\$2,342,825.82
2 R.L. Larson Excavating, Inc.	X	Yes	\$2,596,343.35
3 Forest Lake Contracting, Inc.	X	Yes	\$2,604,749.56
4 C.S. McCrossan Construction, Inc.	X	Yes	\$2,918,036.05
5 Park Construction Company	X	Yes	\$3,134,094.19
6 Kuechle Underground	X	Yes	\$3,212,878.37
Engineer's Estimate			\$2,780,420.48

I hereby certify that this is a true and correct tabulation of the bids as received on June 25, 2012.

Nicholas E. Hentges, PE, Project Manager

Denotes corrected figure



**WSB
Project Bid Abstract**

Project Name: CSAH 83 &147th Ave/Sunwood Drive Intersection Improvements

Contract No.:

Client: City of Ramsey

Project No.: 01973-01

Bid Opening: 6/25/2012 10:00 AM

Owner: Minneapolis

Item No.	Item	Units	Quantity	Engineers Estimate		North Pine Aggregate, Inc.		R. L. Larson Excavating, Inc.		Forest Lake Contracting, Inc.		
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
Schedule A												
1	2021.501	MOBILIZATION	LUMP SUM	1	\$55,000.00	\$55,000.00	\$55,000.00	\$55,000.00	\$185,000.00	\$185,000.00	\$68,000.00	\$68,000.00
2	2031.501	FIELD OFFICE TYPE D	LUMP SUM	1	\$10,000.00	\$10,000.00	\$6,500.00	\$6,500.00	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00
3	2101.502	CLEARING	TREE	53	\$75.00	\$3,975.00	\$79.00	\$4,187.00	\$50.00	\$2,650.00	\$75.00	\$3,975.00
4	2101.507	GRUBBING	TREE	53	\$30.00	\$1,590.00	\$26.50	\$1,404.50	\$50.00	\$2,650.00	\$25.00	\$1,325.00
5	2102.502	PAVEMENT MARKING REMOVAL	LIN FT	2250	\$0.55	\$1,237.50	\$0.63	\$1,417.50	\$0.55	\$1,237.50	\$0.60	\$1,350.00
6	2102.602	PAVEMENT MARKING REMOVAL-SPECIAL	EACH	9	\$50.00	\$450.00	\$105.50	\$949.50	\$60.00	\$540.00	\$100.00	\$900.00
7	2104.501	REMOVE CONCRETE CULVERT	LIN FT	298	\$8.00	\$2,384.00	\$7.75	\$2,309.50	\$7.00	\$2,086.00	\$12.00	\$3,576.00
8	2104.501	REMOVE METAL CULVERT	LIN FT	115	\$8.00	\$920.00	\$5.00	\$575.00	\$6.00	\$690.00	\$7.00	\$805.00
9	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	119	\$5.00	\$595.00	\$8.50	\$1,011.50	\$7.00	\$833.00	\$13.00	\$1,547.00
10	2104.501	REMOVE CURB AND GUTTER	LIN FT	1139	\$5.00	\$5,695.00	\$1.40	\$1,594.60	\$2.50	\$2,847.50	\$2.00	\$2,278.00
11	2104.501	REMOVE CHAIN LINK FENCE	LIN FT	395	\$6.00	\$2,370.00	\$7.45	\$2,942.75	\$3.50	\$1,382.50	\$3.00	\$1,185.00
12	2104.503	REMOVE CONCRETE WALK	SQ FT	140	\$2.00	\$280.00	\$2.00	\$280.00	\$1.00	\$140.00	\$1.00	\$140.00
13	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	16430	\$2.00	\$32,860.00	\$1.10	\$18,073.00	\$1.50	\$24,645.00	\$1.75	\$28,752.50
14	2104.509	REMOVE VEHICULAR GATE	EACH	1	\$250.00	\$250.00	\$150.00	\$150.00	\$100.00	\$100.00	\$75.00	\$75.00
15	2104.509	REMOVE CONCRETE APRON	EACH	6	\$250.00	\$1,500.00	\$75.00	\$450.00	\$150.00	\$900.00	\$325.00	\$1,950.00
16	2104.509	REMOVE METAL APRON	EACH	6	\$200.00	\$1,200.00	\$105.00	\$630.00	\$100.00	\$600.00	\$100.00	\$600.00
17	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	2	\$200.00	\$400.00	\$200.00	\$400.00	\$200.00	\$400.00	\$350.00	\$700.00
18	2104.509	REMOVE SIGN TYPE C	EACH	16	\$25.00	\$400.00	\$16.00	\$256.00	\$30.00	\$480.00	\$15.00	\$240.00
19	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	3	\$200.00	\$600.00	\$26.50	\$79.50	\$30.00	\$90.00	\$25.00	\$75.00
20	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	20	\$6.00	\$120.00	\$8.65	\$173.00	\$10.00	\$200.00	\$4.00	\$80.00
21	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	2224	\$3.00	\$6,672.00	\$2.85	\$6,338.40	\$3.00	\$6,672.00	\$2.75	\$6,116.00
22	2104.523	SALVAGE CASTING	EACH	5	\$175.00	\$875.00	\$90.00	\$450.00	\$150.00	\$750.00	\$100.00	\$500.00
23	2104.523	SALVAGE CATCH BASIN	EACH	2	\$200.00	\$400.00	\$585.00	\$1,170.00	\$375.00	\$750.00	\$400.00	\$800.00
24	2104.523	SALVAGE GATE VALVE & BOX	EACH	1	\$175.00	\$175.00	\$300.00	\$300.00	\$375.00	\$375.00	\$150.00	\$150.00

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements			Engineers Estimate				North Pine Aggregate, Inc.		R. L. Larson Excavating, Inc.		Forest Lake Contracting, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
25	2104.523	SALVAGE HYDRANT	EACH	1	\$350.00	\$350.00	\$300.00	\$300.00	\$750.00	\$750.00	\$600.00	\$600.00
26	2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	1	\$200.00	\$200.00	\$26.50	\$26.50	\$100.00	\$100.00	\$200.00	\$200.00
27	2104.523	SALVAGE VEHICULAR GATE	EACH	1	\$300.00	\$300.00	\$250.00	\$250.00	\$100.00	\$100.00	\$100.00	\$100.00
28	2105.501	COMMON EXCAVATION (P)	CU YD	11119	\$5.00	\$55,595.00	\$3.00	\$33,357.00	\$10.00	\$111,190.00	\$7.50	\$83,392.50
29	2105.507	SUBGRADE EXCAVATION (P)	CU YD	2207	\$5.50	\$12,138.50	\$1.55	\$3,420.85	\$4.50	\$9,931.50	\$5.00	\$11,035.00
30	2105.522	SELECT GRANULAR BORROW (CV) (P)	CU YD	5861	\$9.00	\$52,749.00	\$4.05	\$23,737.05	\$5.00	\$29,305.00	\$5.00	\$29,305.00
31	2105.523	COMMON BORROW (CV) (P)	CU YD	9937	\$7.00	\$69,559.00	\$3.75	\$37,263.75	\$4.00	\$39,748.00	\$5.00	\$49,685.00
32	2105.525	TOPSOIL BORROW (LV) (P)	CU YD	3555	\$14.00	\$49,770.00	\$3.90	\$13,864.50	\$4.00	\$14,220.00	\$16.00	\$56,880.00
33	2105.601	DEWATERING	LUMP SUM	1	\$10,000.00	\$10,000.00	\$20,500.00	\$20,500.00	\$17,500.00	\$17,500.00	\$15,000.00	\$15,000.00
34	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	95	\$120.00	\$11,400.00	\$125.00	\$11,875.00	\$100.00	\$9,500.00	\$110.00	\$10,450.00
35	2130.501	WATER	M GALLONS	100	\$30.00	\$3,000.00	\$34.00	\$3,400.00	\$35.00	\$3,500.00	\$28.00	\$2,800.00
36	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	5447	\$17.00	\$92,599.00	\$20.00	\$108,940.00	\$19.00	\$103,493.00	\$24.00	\$130,728.00
37	2221.503	AGGREGATE SHOULDERING (CV) CLASS 5 MOD	CU YD	234	\$30.00	\$7,020.00	\$35.00	\$8,190.00	\$33.60	\$7,862.40	\$33.00	\$7,722.00
38	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	3887	\$65.00	\$252,655.00	\$64.80	\$251,877.60	\$63.00	\$244,881.00	\$61.50	\$239,050.50
39	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	1420	\$61.00	\$86,620.00	\$62.75	\$89,105.00	\$61.30	\$87,046.00	\$59.50	\$84,490.00
40	2411.618	MODULAR BLOCK RETAINING WALL	SQ FT	455	\$30.00	\$13,650.00	\$23.00	\$10,465.00	\$22.50	\$10,237.50	\$23.00	\$10,465.00
41	2501.511	15" CS PIPE CULVERT	LIN FT	388	\$23.00	\$8,924.00	\$25.50	\$9,894.00	\$25.00	\$9,700.00	\$35.00	\$13,580.00
42	2501.511	15" RC PIPE CULVERT CLASS V	LIN FT	80	\$29.00	\$2,320.00	\$28.50	\$2,280.00	\$30.00	\$2,400.00	\$30.00	\$2,400.00
43	2501.515	15" RC PIPE APRON	EACH	1	\$400.00	\$400.00	\$575.00	\$575.00	\$370.00	\$370.00	\$650.00	\$650.00
44	2501.515	18" RC PIPE APRON	EACH	1	\$450.00	\$450.00	\$595.00	\$595.00	\$400.00	\$400.00	\$700.00	\$700.00
45	2501.515	27" RC PIPE APRON	EACH	1	\$700.00	\$700.00	\$995.00	\$995.00	\$600.00	\$600.00	\$800.00	\$800.00
46	2501.569	15" RC SAFETY APRON	EACH	4	\$550.00	\$2,200.00	\$615.00	\$2,460.00	\$350.00	\$1,400.00	\$700.00	\$2,800.00
47	2501.602	TRASH GUARD FOR 27" PIPE APRON	EACH	1	\$450.00	\$450.00	\$475.00	\$475.00	\$700.00	\$700.00	\$850.00	\$850.00
48	2503.541	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	810	\$29.00	\$23,490.00	\$27.50	\$22,275.00	\$29.00	\$23,490.00	\$31.00	\$25,110.00
49	2503.541	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	358	\$31.00	\$11,098.00	\$30.50	\$10,919.00	\$34.00	\$12,172.00	\$33.00	\$11,814.00
50	2503.541	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	386	\$37.00	\$14,282.00	\$35.50	\$13,703.00	\$39.00	\$15,054.00	\$34.00	\$13,124.00
51	2503.541	27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	166	\$45.00	\$7,470.00	\$50.50	\$8,383.00	\$44.00	\$7,304.00	\$52.00	\$8,632.00
52	2503.602	DISCONNECT SANITARY SEWER SERVICE	EACH	1	\$1,000.00	\$1,000.00	\$510.00	\$510.00	\$750.00	\$750.00	\$300.00	\$300.00
53	2503.602	RECONNECT TO EXISTING SANITARY SEWER SERVICE	EACH	1	\$1,500.00	\$1,500.00	\$535.00	\$535.00	\$800.00	\$800.00	\$300.00	\$300.00
54	2503.602	CONSTRUCT BULKHEAD	EACH	1	\$750.00	\$750.00	\$675.00	\$675.00	\$300.00	\$300.00	\$200.00	\$200.00
55	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	2	\$1,500.00	\$3,000.00	\$2,750.00	\$5,500.00	\$4,000.00	\$8,000.00	\$2,500.00	\$5,000.00
56	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	2	\$500.00	\$1,000.00	\$585.00	\$1,170.00	\$1,800.00	\$3,600.00	\$350.00	\$700.00
57	2503.602	6" PIPE PLUG	EACH	1	\$100.00	\$100.00	\$58.75	\$58.75	\$30.00	\$30.00	\$50.00	\$50.00
58	2503.603	6" PVC PIPE SEWER	LIN FT	99	\$20.00	\$1,980.00	\$36.50	\$3,613.50	\$26.00	\$2,574.00	\$26.00	\$2,574.00
59	2504.602	CONNECT TO EXISTING WATERMAIN	EACH	1	\$1,000.00	\$1,000.00	\$750.00	\$750.00	\$750.00	\$750.00	\$700.00	\$700.00

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements					Engineers Estimate		North Pine Aggregate, Inc.		R. L. Larson Excavating, Inc.		Forest Lake Contracting, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
60	2504.602	HYDRANT	EACH	1	\$3,100.00	\$3,100.00	\$3,885.00	\$3,885.00	\$3,300.00	\$3,300.00	\$3,800.00	\$3,800.00
61	2504.602	INSTALL HYDRANT	EACH	1	\$700.00	\$700.00	\$1,275.00	\$1,275.00	\$1,030.00	\$1,030.00	\$1,000.00	\$1,000.00
62	2504.602	ADJUST HYDRANT AND GATE VALVE	EACH	1	\$5,000.00	\$5,000.00	\$950.00	\$950.00	\$730.00	\$730.00	\$900.00	\$900.00
63	2504.602	INSTALL GATE VALVE AND BOX	EACH	1	\$200.00	\$200.00	\$785.00	\$785.00	\$275.00	\$275.00	\$200.00	\$200.00
64	2504.602	ADJUST GATE VALVE AND BOX	EACH	1	\$300.00	\$300.00	\$705.00	\$705.00	\$200.00	\$200.00	\$300.00	\$300.00
65	2504.602	6" GATE VALVE AND BOX	EACH	5	\$1,200.00	\$6,000.00	\$1,625.00	\$8,125.00	\$1,345.00	\$6,725.00	\$1,500.00	\$7,500.00
66	2504.602	12" GATE VALVE AND BOX	EACH	2	\$4,000.00	\$8,000.00	\$3,700.00	\$7,400.00	\$2,835.00	\$5,670.00	\$3,100.00	\$6,200.00
67	2504.602	SPRINKLER HEAD	EACH	30	\$120.00	\$3,600.00	\$25.00	\$750.00	\$21.00	\$630.00	\$20.00	\$600.00
68	2504.603	SPRINKLER SYSTEM PVC	LIN FT	580	\$8.00	\$4,640.00	\$6.20	\$3,596.00	\$6.00	\$3,480.00	\$6.00	\$3,480.00
69	2504.603	6" WATERMAIN DUCTILE IRON CL 53	LIN FT	252	\$33.00	\$8,316.00	\$43.50	\$10,962.00	\$37.00	\$9,324.00	\$40.00	\$10,080.00
70	2504.603	12" WATERMAIN DUCTILE IRON CL 52	LIN FT	629	\$44.00	\$27,676.00	\$56.00	\$35,224.00	\$48.00	\$30,192.00	\$56.00	\$35,224.00
71	2504.604	6" POLYSTYRENE INSULATION	SQ YD	24	\$46.00	\$1,104.00	\$50.00	\$1,200.00	\$30.00	\$720.00	\$45.00	\$1,080.00
72	2504.608	DUCTILE IRON FITTINGS	POUND	3250	\$3.50	\$11,375.00	\$2.80	\$9,100.00	\$2.70	\$8,775.00	\$2.50	\$8,125.00
73	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	47.9	\$225.00	\$10,777.50	\$125.00	\$5,987.50	\$150.00	\$7,185.00	\$200.00	\$9,580.00
74	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	11.7	\$265.00	\$3,100.50	\$265.00	\$3,100.50	\$320.00	\$3,744.00	\$275.00	\$3,217.50
75	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	3.8	\$275.00	\$1,045.00	\$285.00	\$1,083.00	\$275.00	\$1,045.00	\$225.00	\$855.00
76	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	50.6	\$280.00	\$14,168.00	\$215.00	\$10,879.00	\$260.00	\$13,156.00	\$275.00	\$13,915.00
77	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	34.9	\$350.00	\$12,215.00	\$315.00	\$10,993.50	\$370.00	\$12,913.00	\$325.00	\$11,342.50
78	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL	EACH	3	\$1,200.00	\$3,600.00	\$1,500.00	\$4,500.00	\$1,550.00	\$4,650.00	\$1,600.00	\$4,800.00
79	2506.516	CASTING ASSEMBLY	EACH	20	\$900.00	\$18,000.00	\$800.00	\$16,000.00	\$685.00	\$13,700.00	\$925.00	\$18,500.00
80	2506.521	INSTALL CASTING	EACH	5	\$250.00	\$1,250.00	\$150.00	\$750.00	\$250.00	\$1,250.00	\$375.00	\$1,875.00
81	2506.522	ADJUST FRAME & RING CASTING	EACH	1	\$200.00	\$200.00	\$150.00	\$150.00	\$250.00	\$250.00	\$375.00	\$375.00
82	2506.602	RECONSTRUCT MANHOLES	EACH	3	\$1,500.00	\$4,500.00	\$1,700.00	\$5,100.00	\$1,200.00	\$3,600.00	\$1,900.00	\$5,700.00
83	2506.602	INSTALL CATCH BASIN	EACH	2	\$250.00	\$500.00	\$1,060.00	\$2,120.00	\$1,300.00	\$2,600.00	\$700.00	\$1,400.00
84	2511.501	RANDOM RIPRAP CLASS II	CU YD	24	\$75.00	\$1,800.00	\$85.00	\$2,040.00	\$75.00	\$1,800.00	\$115.00	\$2,760.00
85	2521.501	4" CONCRETE WALK	SQ FT	10129	\$3.00	\$30,387.00	\$3.55	\$35,957.95	\$2.50	\$25,322.50	\$3.00	\$30,387.00
86	2521.511	2" BITUMINOUS WALK	SQ FT	6738	\$2.00	\$13,476.00	\$1.30	\$8,759.40	\$1.80	\$12,128.40	\$1.40	\$9,433.20
87	2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	1348	\$10.00	\$13,480.00	\$12.00	\$16,176.00	\$9.35	\$12,603.80	\$9.10	\$12,266.80
88	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	1126	\$11.00	\$12,386.00	\$13.25	\$14,919.50	\$11.00	\$12,386.00	\$11.00	\$12,386.00
89	2531.501	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	392	\$10.00	\$3,920.00	\$12.00	\$4,704.00	\$20.00	\$7,840.00	\$19.00	\$7,448.00
90	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	779	\$12.00	\$9,348.00	\$12.15	\$9,464.85	\$10.00	\$7,790.00	\$10.00	\$7,790.00
91	2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	6	\$65.00	\$390.00	\$70.00	\$420.00	\$50.00	\$300.00	\$75.00	\$450.00
92	2531.602	CONCRETE ENTRANCE NOSE DESIGN 7113	EACH	4	\$400.00	\$1,600.00	\$265.00	\$1,060.00	\$360.00	\$1,440.00	\$350.00	\$1,400.00
93	2531.604	6" CONCRETE VALLEY GUTTER	SQ YD	12	\$50.00	\$600.00	\$55.00	\$660.00	\$47.50	\$570.00	\$50.00	\$600.00
94	2531.618	TRUNCATED DOMES	SQ FT	124	\$40.00	\$4,960.00	\$36.90	\$4,575.60	\$37.00	\$4,588.00	\$36.00	\$4,464.00

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Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
95	2533.507	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	300	\$13.00	\$3,900.00	\$16.00	\$4,800.00	\$15.00	\$4,500.00	\$15.25	\$4,575.00
96	2533.508	RELOCATE PORTABLE PRECAST CONC BARRIER DESIGN 8337	LIN FT	380	\$3.50	\$1,330.00	\$5.00	\$1,900.00	\$3.50	\$1,330.00	\$4.75	\$1,805.00
97	2554.509	GUIDE POST TYPE B	EACH	12	\$35.00	\$420.00	\$58.00	\$696.00	\$50.00	\$600.00	\$55.00	\$660.00
98	2554.615	IMPACT ATTENUATOR NO 1	ASSEMBLY	2	\$1,800.00	\$3,600.00	\$1,325.00	\$2,650.00	\$1,200.00	\$2,400.00	\$1,250.00	\$2,500.00
99	2554.615	IMPACT ATTENUATOR NO 2	ASSEMBLY	1	\$500.00	\$500.00	\$2,550.00	\$2,550.00	\$3,000.00	\$3,000.00	\$2,400.00	\$2,400.00
100	2554.615	RELOCATE IMPACT ATTENUATOR NO 2	ASSEMBLY	1	\$500.00	\$500.00	\$605.00	\$605.00	\$450.00	\$450.00	\$575.00	\$575.00
101	2557.501	WIRE FENCE DESIGN 60-9322	LIN FT	150	\$15.00	\$2,250.00	\$20.25	\$3,037.50	\$20.00	\$3,000.00	\$19.20	\$2,880.00
102	2557.522	METAL BRACE ASSEMBLY	EACH	6	\$250.00	\$1,500.00	\$140.00	\$840.00	\$140.00	\$840.00	\$135.00	\$810.00
103	2557.527	ELECTRICAL GROUND	EACH	2	\$150.00	\$300.00	\$105.50	\$211.00	\$110.00	\$220.00	\$100.00	\$200.00
104	2557.602	INSTALL VEHICULAR GATE	EACH	1	\$200.00	\$200.00	\$635.00	\$635.00	\$625.00	\$625.00	\$600.00	\$600.00
105	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$22,500.00	\$22,500.00	\$23,500.00	\$23,500.00
106	2564.531	SIGN PANELS TYPE C	SQ FT	178	\$32.50	\$5,785.00	\$32.45	\$5,776.10	\$31.50	\$5,607.00	\$30.75	\$5,473.50
107	2564.537	INSTALL SIGN TYPE SPECIAL	EACH	1	\$200.00	\$200.00	\$79.00	\$79.00	\$100.00	\$100.00	\$75.00	\$75.00
108	2564.552	HAZARD MARKER X4-2	EACH	4	\$70.00	\$280.00	\$79.00	\$316.00	\$100.00	\$400.00	\$75.00	\$300.00
109	2564.553	CLEARANCE MARKER X4-4	EACH	3	\$70.00	\$210.00	\$110.00	\$330.00	\$120.00	\$360.00	\$105.00	\$315.00
110	2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	1	\$250,000.00	\$250,000.00	\$180,000.00	\$180,000.00	\$200,000.00	\$200,000.00	\$203,000.00	\$203,000.00
111	2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$10,000.00	\$10,000.00	\$3,675.00	\$3,675.00	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00
112	2571.502	DECIDUOUS TREE 10' HT B&B	TREE	10	\$350.00	\$3,500.00	\$290.00	\$2,900.00	\$285.00	\$2,850.00	\$275.00	\$2,750.00
113	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	8566	\$1.70	\$14,562.20	\$1.50	\$12,849.00	\$1.50	\$12,849.00	\$1.60	\$13,705.60
114	2573.505	FLOTATION SILT CURTAIN TYPE STILL WATER	LIN FT	266	\$10.00	\$2,660.00	\$14.75	\$3,923.50	\$11.00	\$2,926.00	\$12.00	\$3,192.00
115	2573.530	STORM DRAIN INLET PROTECTION	EACH	32	\$125.00	\$4,000.00	\$140.00	\$4,480.00	\$125.00	\$4,000.00	\$125.00	\$4,000.00
116	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	835	\$3.50	\$2,922.50	\$4.10	\$3,423.50	\$2.85	\$2,379.75	\$4.00	\$3,340.00
117	2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	8	\$1,500.00	\$12,000.00	\$1,175.00	\$9,400.00	\$700.00	\$5,600.00	\$0.01	\$0.08
118	2573.602	CULVERT PROTECTION	EACH	8	\$100.00	\$800.00	\$150.00	\$1,200.00	\$150.00	\$1,200.00	\$350.00	\$2,800.00
119	2575.501	SEEDING	ACRE	5.5	\$350.00	\$1,925.00	\$158.25	\$870.38	\$100.00	\$550.00	\$150.00	\$825.00
120	2575.502	SEED MIXTURE 240	POUND	369	\$2.50	\$922.50	\$3.25	\$1,199.25	\$2.65	\$977.85	\$3.05	\$1,125.45
121	2575.502	SEED MIXTURE 260	POUND	41	\$2.50	\$102.50	\$2.50	\$102.50	\$1.80	\$73.80	\$2.50	\$102.50
122	2575.511	MULCH MATERIAL TYPE 1	TON	6.5	\$180.00	\$1,170.00	\$132.00	\$858.00	\$180.00	\$1,170.00	\$125.00	\$812.50
123	2575.519	DISK ANCHORING	ACRE	6	\$80.00	\$480.00	\$58.00	\$348.00	\$80.00	\$480.00	\$55.00	\$330.00
124	2575.523	EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	8400	\$1.10	\$9,240.00	\$0.90	\$7,560.00	\$1.00	\$8,400.00	\$0.85	\$7,140.00
125	2575.532	FERTILIZER TYPE 3	POUND	2114	\$0.95	\$2,008.30	\$0.58	\$1,226.12	\$0.55	\$1,162.70	\$0.55	\$1,162.70
126	2575.570	RAPID STABILIZATION METHOD 2	ACRE	0.5	\$1,000.00	\$500.00	\$1,900.00	\$950.00	\$1,300.00	\$650.00	\$1,800.00	\$900.00
127	2575.571	RAPID STABILIZATION METHOD 3	M GALLONS	4.9	\$600.00	\$2,940.00	\$316.50	\$1,550.85	\$300.00	\$1,470.00	\$300.00	\$1,470.00
128	2581.501	REMOVABLE PREFORMED PLASTIC MARKING	LIN FT	3200	\$1.50	\$4,800.00	\$1.40	\$4,480.00	\$1.35	\$4,320.00	\$1.30	\$4,160.00
129	2582.501	PAVEMENT MESSAGE (RIGHT ARROW) PAINT	EACH	2	\$250.00	\$500.00	\$73.85	\$147.70	\$120.00	\$240.00	\$70.00	\$140.00

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements				Engineers Estimate		North Pine Aggregate, Inc.		R. L. Larson Excavating, Inc.		Forest Lake Contracting, Inc.		
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
130	2582.501 PAVEMENT MESSAGE (RR XING) PAINT	EACH	1	\$300.00	\$300.00	\$158.25	\$158.25	\$850.00	\$850.00	\$150.00	\$150.00	
131	2582.501 PAVEMENT MESSAGE (LEFT ARROW) PREFORMED THERMOPLASTIC	EACH	14	\$450.00	\$6,300.00	\$295.40	\$4,135.60	\$310.00	\$4,340.00	\$280.00	\$3,920.00	
132	2582.501 PAVEMENT MESSAGE (RIGHT ARROW) PREFORMED THERMOPLASTIC	EACH	8	\$450.00	\$3,600.00	\$295.40	\$2,363.20	\$310.00	\$2,480.00	\$280.00	\$2,240.00	
133	2582.501 PAVEMENT MESSAGE (LT-THRU ARROW) PREFORMED THERMOPLASTIC	EACH	1	\$600.00	\$600.00	\$501.00	\$501.00	\$480.00	\$480.00	\$475.00	\$475.00	
134	2582.501 PAVEMENT MESSAGE (RIGHT-THRU ARROW) PREFORM THERMOPLASTIC	EACH	3	\$600.00	\$1,800.00	\$501.00	\$1,503.00	\$480.00	\$1,440.00	\$475.00	\$1,425.00	
135	2582.501 PAVEMENT MESSAGE (RR XING) PREFORMED THERMOPLASTIC	EACH	2	\$450.00	\$900.00	\$1,265.00	\$2,530.00	\$1,900.00	\$3,800.00	\$1,200.00	\$2,400.00	
136	2582.502 4" SOLID LINE WHITE-PAINT	LIN FT	4804	\$0.20	\$960.80	\$0.32	\$1,537.28	\$0.45	\$2,161.80	\$0.30	\$1,441.20	
137	2582.502 4" SOLID LINE YELLOW-PAINT	LIN FT	500	\$0.20	\$100.00	\$0.33	\$165.00	\$0.45	\$225.00	\$0.31	\$155.00	
138	2582.502 4" DOUBLE SOLID LINE YELLOW-PAINT	LIN FT	2923	\$0.40	\$1,169.20	\$0.65	\$1,899.95	\$0.90	\$2,630.70	\$0.62	\$1,812.26	
139	2582.502 24" STOP LINE WHITE-PREFORMED THERMOPLASTIC	LIN FT	321	\$20.00	\$6,420.00	\$21.10	\$6,773.10	\$19.00	\$6,099.00	\$20.00	\$6,420.00	
140	2582.502 24" SOLID LINE YELLOW-PREFORMED THERMOPLASTIC	LIN FT	542	\$9.00	\$4,878.00	\$21.10	\$11,436.20	\$19.00	\$10,298.00	\$20.00	\$10,840.00	
141	2582.502 4" SOLID LINE WHITE-EPOXY	LIN FT	9886	\$0.30	\$2,965.80	\$0.32	\$3,163.52	\$0.60	\$5,931.60	\$0.30	\$2,965.80	
142	2582.502 4" BROKEN LINE WHITE-EPOXY	LIN FT	563	\$0.30	\$168.90	\$0.32	\$180.16	\$0.60	\$337.80	\$0.30	\$168.90	
143	2582.502 8" DOTTED LINE WHITE-EPOXY	LIN FT	100	\$0.60	\$60.00	\$3.15	\$315.00	\$1.75	\$175.00	\$3.00	\$300.00	
144	2582.502 4" SOLID LINE YELLOW-EPOXY	LIN FT	2283	\$0.30	\$684.90	\$0.33	\$753.39	\$0.60	\$1,369.80	\$0.31	\$707.73	
145	2582.502 4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	3140	\$0.60	\$1,884.00	\$0.65	\$2,041.00	\$1.20	\$3,768.00	\$0.62	\$1,946.80	
146	2582.503 CROSSWALK MARKING- PREFORMED THERMOPLASTIC	SQ FT	612	\$16.50	\$10,098.00	\$9.25	\$5,661.00	\$11.85	\$7,252.20	\$8.80	\$5,385.60	
Total Schedule A:						\$1,610,279.60		\$1,387,624.10		\$1,612,059.60		\$1,537,618.12
Schedule B												
147	2021.501 MOBILIZATION	LUMP SUM	1	\$50,000.00	\$50,000.00	\$35,000.00	\$35,000.00	\$15,000.00	\$15,000.00	\$45,000.00	\$45,000.00	
148	2101.501 CLEARING	ACRE	16.33	\$2,500.00	\$40,825.00	\$1,002.24	\$16,366.58	\$800.00	\$13,064.00	\$950.00	\$15,513.50	
149	2101.502 CLEARING	TREE	7	\$30.00	\$210.00	\$79.12	\$553.84	\$50.00	\$350.00	\$75.00	\$525.00	
150	2101.507 GRUBBING	TREE	7	\$30.00	\$210.00	\$26.37	\$184.59	\$50.00	\$350.00	\$25.00	\$175.00	
151	2102.502 PAVEMENT MARKING REMOVAL	LIN FT	209	\$0.55	\$114.95	\$1.05	\$219.45	\$0.55	\$114.95	\$1.00	\$209.00	
152	2104.501 REMOVE SEWER PIPE (STORM)	LIN FT	129	\$5.00	\$645.00	\$8.45	\$1,090.05	\$7.00	\$903.00	\$12.00	\$1,548.00	
153	2104.501 REMOVE CURB AND GUTTER	LIN FT	883	\$5.00	\$4,415.00	\$1.35	\$1,192.05	\$3.00	\$2,649.00	\$2.00	\$1,766.00	
154	2104.503 REMOVE CONCRETE WALK	SQ FT	4767	\$2.00	\$9,534.00	\$1.03	\$4,910.01	\$1.00	\$4,767.00	\$0.60	\$2,860.20	
155	2104.503 REMOVE CONCRETE PAVEMENT	SQ YD	48	\$10.00	\$480.00	\$9.96	\$478.08	\$6.00	\$288.00	\$12.00	\$576.00	
156	2104.505 REMOVE BITUMINOUS PAVEMENT	SQ YD	2976	\$2.00	\$5,952.00	\$2.32	\$6,904.32	\$2.00	\$5,952.00	\$2.00	\$5,952.00	
157	2104.509 REMOVE DRAINAGE STRUCTURE	EACH	2	\$200.00	\$400.00	\$342.83	\$685.66	\$200.00	\$400.00	\$1,500.00	\$3,000.00	
158	2104.509 REMOVE SIGN TYPE C	EACH	1	\$25.00	\$25.00	\$527.40	\$527.40	\$100.00	\$100.00	\$200.00	\$200.00	
159	2104.511 SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	239	\$6.00	\$1,434.00	\$6.00	\$1,434.00	\$5.00	\$1,195.00	\$3.25	\$776.75	
160	2104.513 SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	374	\$3.00	\$1,122.00	\$2.88	\$1,077.12	\$3.00	\$1,122.00	\$2.75	\$1,028.50	
161	2105.501 COMMON EXCAVATION (P)	CU YD	693	\$5.00	\$3,465.00	\$4.75	\$3,291.75	\$10.00	\$6,930.00	\$5.00	\$3,465.00	
162	2105.507 SUBGRADE EXCAVATION (P)	CU YD	5153	\$5.50	\$28,341.50	\$1.55	\$7,987.15	\$4.00	\$20,612.00	\$4.00	\$20,612.00	

Project: 01973-01 - CSAH 83 &147th Ave/Sunwood Drive Intersection Improvements					Engineers Estimate		North Pine Aggregate, Inc.		R. L. Larson Excavating, Inc.		Forest Lake Contracting, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
163	2105.522	SELECT GRANULAR BORROW (CV) (P)	CU YD	3162	\$6.00	\$18,972.00	\$3.55	\$11,225.10	\$4.00	\$12,648.00	\$6.50	\$20,553.00
164	2105.523	COMMON BORROW (CV) (P)	CU YD	41316	\$5.00	\$206,580.00	\$2.15	\$88,829.40	\$5.00	\$206,580.00	\$3.75	\$154,935.00
165	2105.525	TOPSOIL BORROW (LV) (P)	CU YD	5369	\$14.00	\$75,166.00	\$3.80	\$20,402.20	\$4.00	\$21,476.00	\$12.00	\$64,428.00
166	2105.525	SELECT TOPSOIL BORROW (LV) (P)	CU YD	271	\$35.00	\$9,485.00	\$24.00	\$6,504.00	\$20.00	\$5,420.00	\$55.00	\$14,905.00
167	2105.535	SALVAGED TOPSOIL (LV) (P)	CU YD	3689	\$5.50	\$20,289.50	\$1.30	\$4,795.70	\$2.00	\$7,378.00	\$6.00	\$22,134.00
168	2105.601	DEWATERING	LUMP SUM	1	\$5,000.00	\$5,000.00	\$23,250.00	\$23,250.00	\$12,000.00	\$12,000.00	\$15,000.00	\$15,000.00
169	2130.501	WATER	M GALLONS	50	\$30.00	\$1,500.00	\$30.00	\$1,500.00	\$35.00	\$1,750.00	\$28.00	\$1,400.00
170	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	1897	\$17.00	\$32,249.00	\$20.75	\$39,362.75	\$19.00	\$36,043.00	\$25.00	\$47,425.00
171	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	1465	\$65.00	\$95,225.00	\$64.85	\$95,005.25	\$63.40	\$92,881.00	\$61.00	\$89,365.00
172	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	975	\$61.00	\$59,475.00	\$62.75	\$61,181.25	\$61.30	\$59,767.50	\$59.00	\$57,525.00
173	2503.541	15" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	71.2	\$26.00	\$1,851.20	\$30.55	\$2,175.16	\$32.00	\$2,278.40	\$31.00	\$2,207.20
174	2503.541	18" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	578.9	\$31.00	\$17,945.90	\$30.00	\$17,367.00	\$32.00	\$18,524.80	\$32.00	\$18,524.80
175	2503.541	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	751.5	\$37.00	\$27,805.50	\$31.00	\$23,296.50	\$37.00	\$27,805.50	\$33.00	\$24,799.50
176	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	1	\$1,500.00	\$1,500.00	\$1,025.00	\$1,025.00	\$800.00	\$800.00	\$750.00	\$750.00
177	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	2	\$500.00	\$1,000.00	\$2,050.00	\$4,100.00	\$850.00	\$1,700.00	\$350.00	\$700.00
178	2503.602	PLUG & ABANDON PIPE SEWER	EACH	2	\$500.00	\$1,000.00	\$750.00	\$1,500.00	\$1,200.00	\$2,400.00	\$700.00	\$1,400.00
179	2503.602	PLUG AND ABANDON PIPE WATER	EACH	2	\$500.00	\$1,000.00	\$750.00	\$1,500.00	\$400.00	\$800.00	\$750.00	\$1,500.00
180	2503.603	8" PVC PIPE SEWER	LIN FT	135	\$40.00	\$5,400.00	\$30.00	\$4,050.00	\$35.00	\$4,725.00	\$23.00	\$3,105.00
181	2504.601	IRRIGATION SYSTEM	LUMP SUM	1	\$22,000.00	\$22,000.00	\$17,000.00	\$17,000.00	\$16,500.00	\$16,500.00	\$17,000.00	\$17,000.00
182	2504.602	CONNECT TO EXISTING WATERMAIN	EACH	1	\$1,706.00	\$1,706.00	\$7,000.00	\$7,000.00	\$750.00	\$750.00	\$8,500.00	\$8,500.00
183	2504.602	HYDRANT	EACH	3	\$3,291.00	\$9,873.00	\$3,950.00	\$11,850.00	\$3,300.00	\$9,900.00	\$3,800.00	\$11,400.00
184	2504.602	INSTALL PLUG	EACH	5	\$225.00	\$1,125.00	\$255.00	\$1,275.00	\$150.00	\$750.00	\$125.00	\$625.00
185	2504.602	6" GATE VALVE	EACH	3	\$1,371.00	\$4,113.00	\$1,750.00	\$5,250.00	\$1,310.00	\$3,930.00	\$1,500.00	\$4,500.00
186	2504.602	8" GATE VALVE	EACH	3	\$1,647.00	\$4,941.00	\$2,350.00	\$7,050.00	\$1,705.00	\$5,115.00	\$1,900.00	\$5,700.00
187	2504.602	12" GATE VALVE	EACH	8	\$2,700.00	\$21,600.00	\$3,700.00	\$29,600.00	\$2,760.00	\$22,080.00	\$3,200.00	\$25,600.00
188	2504.602	ADJUST VALVE BOX	EACH	2	\$300.00	\$600.00	\$650.00	\$1,300.00	\$150.00	\$300.00	\$300.00	\$600.00
189	2504.602	ADJUST HYDRANT AND GATE VALVE	EACH	1	\$162.00	\$162.00	\$2,000.00	\$2,000.00	\$800.00	\$800.00	\$900.00	\$900.00
190	2504.603	6" WATER MAIN-DUCT IRON CL 53	LIN FT	156	\$33.00	\$5,148.00	\$45.75	\$7,137.00	\$32.00	\$4,992.00	\$40.00	\$6,240.00
191	2504.603	8" WATER MAIN-DUCT IRON CL 52	LIN FT	275	\$39.00	\$10,725.00	\$40.00	\$11,000.00	\$34.00	\$9,350.00	\$37.00	\$10,175.00
192	2504.603	12" WATER MAIN-DUCT IRON CL 52	LIN FT	1234	\$44.00	\$54,296.00	\$55.00	\$67,870.00	\$45.00	\$55,530.00	\$50.00	\$61,700.00
193	2504.604	4" POLYSTYRENE INSULATION	SQ YD	11	\$39.00	\$429.00	\$50.00	\$550.00	\$20.00	\$220.00	\$50.00	\$550.00
194	2504.608	DIP FITTINGS	LBS	2435	\$3.75	\$9,131.25	\$3.10	\$7,548.50	\$3.00	\$7,305.00	\$2.50	\$6,087.50
195	2504.602	8" PVC PIPE PLUG	EACH	1	\$100.00	\$100.00	\$200.00	\$200.00	\$45.00	\$45.00	\$50.00	\$50.00
196	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	EACH	6	\$800.00	\$4,800.00	\$1,135.00	\$6,810.00	\$1,225.00	\$7,350.00	\$1,300.00	\$7,800.00
197	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	EACH	2	\$1,000.00	\$2,000.00	\$1,100.00	\$2,200.00	\$1,050.00	\$2,100.00	\$900.00	\$1,800.00

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Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
198	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	EACH	5	\$1,360.00	\$6,800.00	\$1,400.00	\$7,000.00	\$1,385.00	\$6,925.00	\$1,500.00	\$7,500.00
199	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	EACH	4	\$2,000.00	\$8,000.00	\$2,450.00	\$9,800.00	\$3,035.00	\$12,140.00	\$2,200.00	\$8,800.00
200	2506.601	CONSTRUCT DRAINAGE STRUCTURE DESIGN 144-4022	EACH	1	\$3,320.00	\$3,320.00	\$16,500.00	\$16,500.00	\$16,400.00	\$16,400.00	\$21,000.00	\$21,000.00
201	2506.516	FURNISH AND INSTALL CASTING ASSEMBLY	EACH	19	\$750.00	\$14,250.00	\$490.00	\$9,310.00	\$400.00	\$7,600.00	\$600.00	\$11,400.00
202	2506.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	2	\$500.00	\$1,000.00	\$1,925.00	\$3,850.00	\$1,400.00	\$2,800.00	\$650.00	\$1,300.00
203	2506.602	RECONSTRUCT DRAINAGE STRUCTURE	EACH	1	\$675.00	\$675.00	\$9,750.00	\$9,750.00	\$6,200.00	\$6,200.00	\$6,500.00	\$6,500.00
204	2506.602	FURNISH AND INSTALL CASTING	EACH	1	\$750.00	\$750.00	\$500.00	\$500.00	\$550.00	\$550.00	\$900.00	\$900.00
205	2506.602	ADJUST CASTINGS	EACH	1	\$250.00	\$250.00	\$150.00	\$150.00	\$250.00	\$250.00	\$350.00	\$350.00
206	2506.603	48" SANITARY MANHOLE	EACH	1	\$2,000.00	\$2,000.00	\$2,400.00	\$2,400.00	\$1,815.00	\$1,815.00	\$2,700.00	\$2,700.00
207	2506.603	48" EXCESS DEPTH MANHOLE	LF	3	\$250.00	\$750.00	\$400.00	\$1,200.00	\$100.00	\$300.00	\$80.00	\$240.00
208	2521.501	4" CONCRETE SIDEWALK	SQ FT	18114	\$4.00	\$72,456.00	\$3.30	\$59,776.20	\$2.50	\$45,285.00	\$2.70	\$48,907.80
209	2531.501	CONCRETE CURB & GUTTER DESIGN D418	LIN FT	342	\$16.25	\$5,557.50	\$12.90	\$4,411.80	\$21.50	\$7,353.00	\$21.00	\$7,182.00
210	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	4273	\$12.00	\$51,276.00	\$12.15	\$51,916.95	\$10.00	\$42,730.00	\$9.30	\$39,738.90
211	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	636	\$65.00	\$41,340.00	\$56.50	\$35,934.00	\$37.50	\$23,850.00	\$50.00	\$31,800.00
212	2531.618	TRUNCATED DOMES	SQ FT	250	\$40.00	\$10,000.00	\$36.90	\$9,225.00	\$37.00	\$9,250.00	\$36.00	\$9,000.00
213	2540.602	BOLLARD	EACH	4	\$600.00	\$2,400.00	\$250.00	\$1,000.00	\$300.00	\$1,200.00	\$250.00	\$1,000.00
214	2564.552	HAZARD MARKER X4-2	EACH	4	\$70.00	\$280.00	\$80.00	\$320.00	\$100.00	\$400.00	\$75.00	\$300.00
215	2564.618	SIGN PANELS TYPE C	SQ FT	238	\$32.50	\$7,735.00	\$32.45	\$7,723.10	\$31.50	\$7,497.00	\$31.00	\$7,378.00
216	2571.502	DECIDUOUS TREE 2.5" CAL B&B	TREE	53	\$500.00	\$26,500.00	\$316.50	\$16,774.50	\$310.00	\$16,430.00	\$300.00	\$15,900.00
217	2571.504	CONIFEROUS SHRUB 3' HT B&B	SHRUB	10	\$45.00	\$450.00	\$42.20	\$422.00	\$42.00	\$420.00	\$40.00	\$400.00
218	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	5568	\$1.70	\$9,465.60	\$1.50	\$8,352.00	\$1.50	\$8,352.00	\$1.60	\$8,908.80
219	2573.530	STORM DRAIN INLET PROTECTION	EACH	25	\$125.00	\$3,125.00	\$140.00	\$3,500.00	\$125.00	\$3,125.00	\$125.00	\$3,125.00
220	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	6	\$3.50	\$21.00	\$4.10	\$24.60	\$2.85	\$17.10	\$4.00	\$24.00
221	2575.502	SEED MIXTURE 190	POUND	337	\$1.72	\$579.64	\$3.00	\$1,011.00	\$4.00	\$1,348.00	\$2.85	\$960.45
222	2575.505	SEED MIXTURE 340	LBS	21	\$3.25	\$68.25	\$4.35	\$91.35	\$6.25	\$131.25	\$4.15	\$87.15
223	2575.505	SODDING TYPE SALT RESISTANT	SQ YD	1626	\$4.00	\$6,504.00	\$3.15	\$5,121.90	\$2.85	\$4,634.10	\$3.00	\$4,878.00
224	2575.532	FERTILIZER TYPE 1	POUND	2021	\$0.41	\$828.61	\$0.58	\$1,172.18	\$0.50	\$1,010.50	\$0.55	\$1,111.55
225	2575.532	FERTILIZER TYPE 3	POUND	75	\$0.41	\$30.75	\$0.58	\$43.50	\$0.55	\$41.25	\$0.55	\$41.25
226	2575.511	MULCH MATERIAL TYPE 1	TON	12	\$99.00	\$1,188.00	\$132.00	\$1,584.00	\$230.00	\$2,760.00	\$125.00	\$1,500.00
227	2582.501	PAVEMENT MESSAGE (LT-THRU ARROW) ONLY PREFORMED	EACH	2	\$100.00	\$200.00	\$525.00	\$1,050.00	\$600.00	\$1,200.00	\$500.00	\$1,000.00
228	2582.501	PAVEMENT MESSAGE (THRU ARROW) POLY PREFORM	EACH	1	\$100.00	\$100.00	\$316.50	\$316.50	\$300.00	\$300.00	\$300.00	\$300.00
229	2582.501	PAVEMENT MESSAGE (LEFT ARROW) POLY PREFORMED	EACH	7	\$328.00	\$2,296.00	\$316.50	\$2,215.50	\$375.00	\$2,625.00	\$300.00	\$2,100.00
230	2582.501	PAVEMENT MESSAGE (RIGHT ARROW) POLY PREFORM	EACH	2	\$341.00	\$682.00	\$316.50	\$633.00	\$375.00	\$750.00	\$300.00	\$600.00
231	2582.501	PAVEMENT MESSAGE (ONLY) POLY PREFORM	EACH	8	\$310.00	\$2,480.00	\$370.00	\$2,960.00	\$600.00	\$4,800.00	\$350.00	\$2,800.00
232	2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	223	\$0.47	\$104.81	\$0.65	\$144.95	\$1.20	\$267.60	\$0.62	\$138.26

Project: 01973-01 - CSAH 83 &147th Ave/Sunwood Drive Intersection Improvements				Engineers Estimate		North Pine Aggregate, Inc.		R. L. Larson Excavating, Inc.		Forest Lake Contracting, Inc.			
Item No.	Item			Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price		
233	2582.502	4" SOLID LINE YELLOW-EPOXY		LIN FT	2297	\$0.25	\$574.25	\$0.33	\$758.01	\$0.60	\$1,378.20	\$0.31	\$712.07
234	2582.502	4" SOLID LINE WHITE-EPOXY		LIN FT	1686	\$0.23	\$387.78	\$0.32	\$539.52	\$0.60	\$1,011.60	\$0.30	\$505.80
235	2582.502	4" BROKEN LINE YELLOW-EPOXY		LIN FT	276	\$0.30	\$82.80	\$0.33	\$91.08	\$0.60	\$165.60	\$0.31	\$85.56
236	2582.502	4" BROKEN LINE WHITE-EPOXY		LIN FT	66	\$0.30	\$19.80	\$0.32	\$21.12	\$0.60	\$39.60	\$0.30	\$19.80
237	2582.502	8" DOTTED LINE WHITE-POLY PREFORM		LIN FT	42	\$5.78	\$242.76	\$7.15	\$300.30	\$18.00	\$756.00	\$6.80	\$285.60
238	2582.502	4" DOTTED LINE WHITE-EPOXY		LIN FT	33	\$1.41	\$46.53	\$2.60	\$85.80	\$0.60	\$19.80	\$2.50	\$82.50
239	2582.502	24" SOLID LINE YELLOW-EPOXY		LIN FT	42	\$10.00	\$420.00	\$5.25	\$220.50	\$7.50	\$315.00	\$5.00	\$210.00
240	2582.503	CROSSWALK MARKING-POLY PREFORM		SQ FT	270	\$13.10	\$3,537.00	\$8.85	\$2,389.50	\$15.00	\$4,050.00	\$8.40	\$2,268.00
Total Schedule B:							\$1,170,140.88		\$955,201.72		\$984,283.75		\$1,067,131.44
Total Schedule A:							\$1,610,279.60		\$1,387,624.10		\$1,612,059.60		\$1,537,618.12
Total Schedule B:							\$1,170,140.88		\$955,201.72		\$984,283.75		\$1,067,131.44
Totals for Project 01973-01							\$2,780,420.48		\$2,342,825.82		\$2,596,343.35		\$2,604,749.56
% of Estimate for Project 01973-01									-15.74%		-6.62%		-6.32%

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements					Engineers Estimate		C. S. McCrossan Construction, Inc.		Park Construction Company - Mpls		Kuechle Underground	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
Schedule A												
1	2021.501	MOBILIZATION	LUMP SUM	1	\$55,000.00	\$55,000.00	\$75,500.00	\$75,500.00	\$61,750.00	\$61,750.00	\$79,000.00	\$79,000.00
2	2031.501	FIELD OFFICE TYPE D	LUMP SUM	1	\$10,000.00	\$10,000.00	\$20,500.00	\$20,500.00	\$9,890.00	\$9,890.00	\$0.01	\$0.01
3	2101.502	CLEARING	TREE	53	\$75.00	\$3,975.00	\$82.00	\$4,346.00	\$30.70	\$1,627.10	\$200.00	\$10,600.00
4	2101.507	GRUBBING	TREE	53	\$30.00	\$1,590.00	\$27.50	\$1,457.50	\$30.70	\$1,627.10	\$50.00	\$2,650.00
5	2102.502	PAVEMENT MARKING REMOVAL	LIN FT	2250	\$0.55	\$1,237.50	\$0.65	\$1,462.50	\$0.61	\$1,372.50	\$1.00	\$2,250.00
6	2102.602	PAVEMENT MARKING REMOVAL-SPECIAL	EACH	9	\$50.00	\$450.00	\$110.00	\$990.00	\$93.60	\$842.40	\$80.00	\$720.00
7	2104.501	REMOVE CONCRETE CULVERT	LIN FT	298	\$8.00	\$2,384.00	\$12.00	\$3,576.00	\$13.10	\$3,903.80	\$10.00	\$2,980.00
8	2104.501	REMOVE METAL CULVERT	LIN FT	115	\$8.00	\$920.00	\$12.00	\$1,380.00	\$7.65	\$879.75	\$10.00	\$1,150.00
9	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	119	\$5.00	\$595.00	\$12.00	\$1,428.00	\$13.10	\$1,558.90	\$17.00	\$2,023.00
10	2104.501	REMOVE CURB AND GUTTER	LIN FT	1139	\$5.00	\$5,695.00	\$2.30	\$2,619.70	\$2.45	\$2,790.55	\$2.00	\$2,278.00
11	2104.501	REMOVE CHAIN LINK FENCE	LIN FT	395	\$6.00	\$2,370.00	\$3.30	\$1,303.50	\$3.05	\$1,204.75	\$3.00	\$1,185.00
12	2104.503	REMOVE CONCRETE WALK	SQ FT	140	\$2.00	\$280.00	\$0.75	\$105.00	\$12.20	\$1,708.00	\$2.00	\$280.00
13	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	16430	\$2.00	\$32,860.00	\$1.90	\$31,217.00	\$3.50	\$57,505.00	\$2.50	\$41,075.00
14	2104.509	REMOVE VEHICULAR GATE	EACH	1	\$250.00	\$250.00	\$82.00	\$82.00	\$76.60	\$76.60	\$100.00	\$100.00
15	2104.509	REMOVE CONCRETE APRON	EACH	6	\$250.00	\$1,500.00	\$170.00	\$1,020.00	\$191.00	\$1,146.00	\$150.00	\$900.00
16	2104.509	REMOVE METAL APRON	EACH	6	\$200.00	\$1,200.00	\$170.00	\$1,020.00	\$134.00	\$804.00	\$150.00	\$900.00
17	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	2	\$200.00	\$400.00	\$285.00	\$570.00	\$341.00	\$682.00	\$230.00	\$460.00
18	2104.509	REMOVE SIGN TYPE C	EACH	16	\$25.00	\$400.00	\$16.50	\$264.00	\$15.30	\$244.80	\$40.00	\$640.00
19	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	3	\$200.00	\$600.00	\$27.00	\$81.00	\$25.60	\$76.80	\$100.00	\$300.00
20	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	20	\$6.00	\$120.00	\$5.40	\$108.00	\$5.90	\$118.00	\$8.00	\$160.00
21	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	2224	\$3.00	\$6,672.00	\$3.20	\$7,116.80	\$1.90	\$4,225.60	\$3.00	\$6,672.00
22	2104.523	SALVAGE CASTING	EACH	5	\$175.00	\$875.00	\$135.00	\$675.00	\$105.00	\$525.00	\$100.00	\$500.00
23	2104.523	SALVAGE CATCH BASIN	EACH	2	\$200.00	\$400.00	\$220.00	\$440.00	\$402.00	\$804.00	\$230.00	\$460.00
24	2104.523	SALVAGE GATE VALVE & BOX	EACH	1	\$175.00	\$175.00	\$155.00	\$155.00	\$216.00	\$216.00	\$300.00	\$300.00
25	2104.523	SALVAGE HYDRANT	EACH	1	\$350.00	\$350.00	\$945.00	\$945.00	\$372.00	\$372.00	\$380.00	\$380.00
26	2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	1	\$200.00	\$200.00	\$27.00	\$27.00	\$23.40	\$23.40	\$500.00	\$500.00
27	2104.523	SALVAGE VEHICULAR GATE	EACH	1	\$300.00	\$300.00	\$110.00	\$110.00	\$102.00	\$102.00	\$100.00	\$100.00
28	2105.501	COMMON EXCAVATION (P)	CU YD	11119	\$5.00	\$55,595.00	\$4.10	\$45,587.90	\$11.40	\$126,756.60	\$5.65	\$62,822.35
29	2105.507	SUBGRADE EXCAVATION (P)	CU YD	2207	\$5.50	\$12,138.50	\$8.60	\$18,980.20	\$19.00	\$41,933.00	\$5.65	\$12,469.55
30	2105.522	SELECT GRANULAR BORROW (CV) (P)	CU YD	5861	\$9.00	\$52,749.00	\$13.00	\$76,193.00	\$10.90	\$63,884.90	\$12.50	\$73,262.50
31	2105.523	COMMON BORROW (CV) (P)	CU YD	9937	\$7.00	\$69,559.00	\$9.50	\$94,401.50	\$11.60	\$115,269.20	\$7.50	\$74,527.50
32	2105.525	TOPSOIL BORROW (LV) (P)	CU YD	3555	\$14.00	\$49,770.00	\$16.50	\$58,657.50	\$20.10	\$71,455.50	\$23.00	\$81,765.00
33	2105.601	DEWATERING	LUMP SUM	1	\$10,000.00	\$10,000.00	\$48,000.00	\$48,000.00	\$48,000.00	\$48,000.00	\$1,000.00	\$1,000.00
34	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	95	\$120.00	\$11,400.00	\$130.00	\$12,350.00	\$138.00	\$13,110.00	\$120.00	\$11,400.00

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements			Engineers Estimate				C. S. McCrossan Construction, Inc.		Park Construction Company - Mpls		Kuechle Underground	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
35	2130.501 WATER	M GALLONS	100	\$30.00	\$3,000.00	\$27.00	\$2,700.00	\$35.20	\$3,520.00	\$50.00	\$5,000.00	
36	2211.503 AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	5447	\$17.00	\$92,599.00	\$25.50	\$138,898.50	\$22.40	\$122,012.80	\$22.00	\$119,834.00	
37	2221.503 AGGREGATE SHOULDERING (CV) CLASS 5 MOD	CU YD	234	\$30.00	\$7,020.00	\$30.00	\$7,020.00	\$31.40	\$7,347.60	\$36.00	\$8,424.00	
38	2360.501 TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	3887	\$65.00	\$252,655.00	\$65.00	\$252,655.00	\$67.00	\$260,429.00	\$65.00	\$252,655.00	
39	2360.502 TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	1420	\$61.00	\$86,620.00	\$59.50	\$84,490.00	\$64.30	\$91,306.00	\$63.00	\$89,460.00	
40	2411.618 MODULAR BLOCK RETAINING WALL	SQ FT	455	\$30.00	\$13,650.00	\$24.00	\$10,920.00	\$39.50	\$17,972.50	\$24.00	\$10,920.00	
41	2501.511 15" CS PIPE CULVERT	LIN FT	388	\$23.00	\$8,924.00	\$32.00	\$12,416.00	\$33.50	\$12,998.00	\$41.00	\$15,908.00	
42	2501.511 15" RC PIPE CULVERT CLASS V	LIN FT	80	\$29.00	\$2,320.00	\$28.00	\$2,240.00	\$32.50	\$2,600.00	\$41.00	\$3,280.00	
43	2501.515 15" RC PIPE APRON	EACH	1	\$400.00	\$400.00	\$450.00	\$450.00	\$583.00	\$583.00	\$1,000.00	\$1,000.00	
44	2501.515 18" RC PIPE APRON	EACH	1	\$450.00	\$450.00	\$505.00	\$505.00	\$615.00	\$615.00	\$1,000.00	\$1,000.00	
45	2501.515 27" RC PIPE APRON	EACH	1	\$700.00	\$700.00	\$720.00	\$720.00	\$642.00	\$642.00	\$1,500.00	\$1,500.00	
46	2501.569 15" RC SAFETY APRON	EACH	4	\$550.00	\$2,200.00	\$560.00	\$2,240.00	\$624.00	\$2,496.00	\$1,500.00	\$6,000.00	
47	2501.602 TRASH GUARD FOR 27" PIPE APRON	EACH	1	\$450.00	\$450.00	\$400.00	\$400.00	\$867.00	\$867.00	\$1,900.00	\$1,900.00	
48	2503.541 15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	810	\$29.00	\$23,490.00	\$25.50	\$20,655.00	\$32.50	\$26,325.00	\$49.00	\$39,690.00	
49	2503.541 18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	358	\$31.00	\$11,098.00	\$28.50	\$10,203.00	\$35.00	\$12,530.00	\$51.00	\$18,258.00	
50	2503.541 24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	386	\$37.00	\$14,282.00	\$34.00	\$13,124.00	\$40.40	\$15,594.40	\$66.00	\$25,476.00	
51	2503.541 27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	166	\$45.00	\$7,470.00	\$42.50	\$7,055.00	\$48.70	\$8,084.20	\$84.00	\$13,944.00	
52	2503.602 DISCONNECT SANITARY SEWER SERVICE	EACH	1	\$1,000.00	\$1,000.00	\$110.00	\$110.00	\$655.00	\$655.00	\$300.00	\$300.00	
53	2503.602 RECONNECT TO EXISTING SANITARY SEWER SERVICE	EACH	1	\$1,500.00	\$1,500.00	\$120.00	\$120.00	\$721.00	\$721.00	\$1,500.00	\$1,500.00	
54	2503.602 CONSTRUCT BULKHEAD	EACH	1	\$750.00	\$750.00	\$105.00	\$105.00	\$655.00	\$655.00	\$120.00	\$120.00	
55	2503.602 CONNECT TO EXISTING SANITARY SEWER	EACH	2	\$1,500.00	\$3,000.00	\$6,970.00	\$13,940.00	\$3,550.00	\$7,100.00	\$4,900.00	\$9,800.00	
56	2503.602 CONNECT TO EXISTING STORM SEWER	EACH	2	\$500.00	\$1,000.00	\$205.00	\$410.00	\$721.00	\$1,442.00	\$1,500.00	\$3,000.00	
57	2503.602 6" PIPE PLUG	EACH	1	\$100.00	\$100.00	\$4.70	\$4.70	\$118.00	\$118.00	\$100.00	\$100.00	
58	2503.603 6" PVC PIPE SEWER	LIN FT	99	\$20.00	\$1,980.00	\$33.50	\$3,316.50	\$31.30	\$3,098.70	\$64.00	\$6,336.00	
59	2504.602 CONNECT TO EXISTING WATERMAIN	EACH	1	\$1,000.00	\$1,000.00	\$290.00	\$290.00	\$1,050.00	\$1,050.00	\$4,600.00	\$4,600.00	
60	2504.602 HYDRANT	EACH	1	\$3,100.00	\$3,100.00	\$3,860.00	\$3,860.00	\$4,040.00	\$4,040.00	\$4,100.00	\$4,100.00	
61	2504.602 INSTALL HYDRANT	EACH	1	\$700.00	\$700.00	\$1,370.00	\$1,370.00	\$981.00	\$981.00	\$1,600.00	\$1,600.00	
62	2504.602 ADJUST HYDRANT AND GATE VALVE	EACH	1	\$5,000.00	\$5,000.00	\$585.00	\$585.00	\$789.00	\$789.00	\$2,000.00	\$2,000.00	
63	2504.602 INSTALL GATE VALVE AND BOX	EACH	1	\$200.00	\$200.00	\$270.00	\$270.00	\$554.00	\$554.00	\$970.00	\$970.00	
64	2504.602 ADJUST GATE VALVE AND BOX	EACH	1	\$300.00	\$300.00	\$275.00	\$275.00	\$210.00	\$210.00	\$300.00	\$300.00	
65	2504.602 6" GATE VALVE AND BOX	EACH	5	\$1,200.00	\$6,000.00	\$1,370.00	\$6,850.00	\$1,370.00	\$6,850.00	\$1,900.00	\$9,500.00	
66	2504.602 12" GATE VALVE AND BOX	EACH	2	\$4,000.00	\$8,000.00	\$2,990.00	\$5,980.00	\$3,430.00	\$6,860.00	\$3,700.00	\$7,400.00	
67	2504.602 SPRINKLER HEAD	EACH	30	\$120.00	\$3,600.00	\$22.00	\$660.00	\$18.70	\$561.00	\$30.00	\$900.00	
68	2504.603 SPRINKLER SYSTEM PVC	LIN FT	580	\$8.00	\$4,640.00	\$6.40	\$3,712.00	\$5.50	\$3,190.00	\$6.00	\$3,480.00	
69	2504.603 6" WATERMAIN DUCTILE IRON CL 53	LIN FT	252	\$33.00	\$8,316.00	\$39.00	\$9,828.00	\$44.80	\$11,289.60	\$59.00	\$14,868.00	

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements				Engineers Estimate		C. S. McCrossan Construction, Inc.		Park Construction Company - Mpls		Kuechle Underground		
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
70	2504.603	12" WATERMAIN DUCTILE IRON CL 52	LIN FT	629	\$44.00	\$27,676.00	\$49.00	\$30,821.00	\$62.10	\$39,060.90	\$73.00	\$45,917.00
71	2504.604	6" POLYSTYRENE INSULATION	SQ YD	24	\$46.00	\$1,104.00	\$30.00	\$720.00	\$55.20	\$1,324.80	\$38.00	\$912.00
72	2504.608	DUCTILE IRON FITTINGS	POUND	3250	\$3.50	\$11,375.00	\$3.90	\$12,675.00	\$3.55	\$11,537.50	\$5.00	\$16,250.00
73	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	47.9	\$225.00	\$10,777.50	\$335.00	\$16,046.50	\$160.00	\$7,664.00	\$460.00	\$22,034.00
74	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN G	LIN FT	11.7	\$265.00	\$3,100.50	\$265.00	\$3,100.50	\$318.00	\$3,720.60	\$460.00	\$5,382.00
75	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	LIN FT	3.8	\$275.00	\$1,045.00	\$190.00	\$722.00	\$167.00	\$634.60	\$500.00	\$1,900.00
76	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	50.6	\$280.00	\$14,168.00	\$470.00	\$23,782.00	\$312.00	\$15,787.20	\$460.00	\$23,276.00
77	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	34.9	\$350.00	\$12,215.00	\$405.00	\$14,134.50	\$322.00	\$11,237.80	\$510.00	\$17,799.00
78	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL	EACH	3	\$1,200.00	\$3,600.00	\$825.00	\$2,475.00	\$1,730.00	\$5,190.00	\$500.00	\$1,500.00
79	2506.516	CASTING ASSEMBLY	EACH	20	\$900.00	\$18,000.00	\$1,040.00	\$20,800.00	\$1,120.00	\$22,400.00	\$670.00	\$13,400.00
80	2506.521	INSTALL CASTING	EACH	5	\$250.00	\$1,250.00	\$550.00	\$2,750.00	\$298.00	\$1,490.00	\$500.00	\$2,500.00
81	2506.522	ADJUST FRAME & RING CASTING	EACH	1	\$200.00	\$200.00	\$550.00	\$550.00	\$298.00	\$298.00	\$500.00	\$500.00
82	2506.602	RECONSTRUCT MANHOLES	EACH	3	\$1,500.00	\$4,500.00	\$875.00	\$2,625.00	\$2,770.00	\$8,310.00	\$460.00	\$1,380.00
83	2506.602	INSTALL CATCH BASIN	EACH	2	\$250.00	\$500.00	\$1,050.00	\$2,100.00	\$818.00	\$1,636.00	\$1,100.00	\$2,200.00
84	2511.501	RANDOM RIPRAP CLASS II	CU YD	24	\$75.00	\$1,800.00	\$145.00	\$3,480.00	\$108.00	\$2,592.00	\$98.00	\$2,352.00
85	2521.501	4" CONCRETE WALK	SQ FT	10129	\$3.00	\$30,387.00	\$3.20	\$32,412.80	\$2.95	\$29,880.55	\$3.98	\$40,313.42
86	2521.511	2" BITUMINOUS WALK	SQ FT	6738	\$2.00	\$13,476.00	\$1.20	\$8,085.60	\$1.15	\$7,748.70	\$2.58	\$17,384.04
87	2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	1348	\$10.00	\$13,480.00	\$11.00	\$14,828.00	\$14.70	\$19,815.60	\$12.00	\$16,176.00
88	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	1126	\$11.00	\$12,386.00	\$13.50	\$15,201.00	\$15.80	\$17,790.80	\$15.00	\$16,890.00
89	2531.501	CONCRETE CURB & GUTTER DESIGN B612	LIN FT	392	\$10.00	\$3,920.00	\$12.50	\$4,900.00	\$14.60	\$5,723.20	\$14.00	\$5,488.00
90	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	779	\$12.00	\$9,348.00	\$13.50	\$10,516.50	\$14.70	\$11,451.30	\$15.00	\$11,685.00
91	2531.507	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	6	\$65.00	\$390.00	\$49.50	\$297.00	\$40.90	\$245.40	\$55.00	\$330.00
92	2531.602	CONCRETE ENTRANCE NOSE DESIGN 7113	EACH	4	\$400.00	\$1,600.00	\$380.00	\$1,520.00	\$255.00	\$1,020.00	\$350.00	\$1,400.00
93	2531.604	6" CONCRETE VALLEY GUTTER	SQ YD	12	\$50.00	\$600.00	\$50.50	\$606.00	\$49.20	\$590.40	\$56.00	\$672.00
94	2531.618	TRUNCATED DOMES	SQ FT	124	\$40.00	\$4,960.00	\$38.50	\$4,774.00	\$35.80	\$4,439.20	\$37.00	\$4,588.00
95	2533.507	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	300	\$13.00	\$3,900.00	\$16.50	\$4,950.00	\$15.60	\$4,680.00	\$16.00	\$4,800.00
96	2533.508	RELOCATE PORTABLE PRECAST CONC BARRIER DESIGN 8337	LIN FT	380	\$3.50	\$1,330.00	\$5.20	\$1,976.00	\$4.85	\$1,843.00	\$5.00	\$1,900.00
97	2554.509	GUIDE POST TYPE B	EACH	12	\$35.00	\$420.00	\$60.00	\$720.00	\$56.20	\$674.40	\$50.00	\$600.00
98	2554.615	IMPACT ATTENUATOR NO 1	ASSEMBLY	2	\$1,800.00	\$3,600.00	\$1,360.00	\$2,720.00	\$1,280.00	\$2,560.00	\$1,400.00	\$2,800.00
99	2554.615	IMPACT ATTENUATOR NO 2	ASSEMBLY	1	\$500.00	\$500.00	\$2,620.00	\$2,620.00	\$2,450.00	\$2,450.00	\$3,000.00	\$3,000.00
100	2554.615	RELOCATE IMPACT ATTENUATOR NO 2	ASSEMBLY	1	\$500.00	\$500.00	\$625.00	\$625.00	\$588.00	\$588.00	\$600.00	\$600.00
101	2557.501	WIRE FENCE DESIGN 60-9322	LIN FT	150	\$15.00	\$2,250.00	\$21.00	\$3,150.00	\$19.60	\$2,940.00	\$20.00	\$3,000.00
102	2557.522	METAL BRACE ASSEMBLY	EACH	6	\$250.00	\$1,500.00	\$145.00	\$870.00	\$138.00	\$828.00	\$135.00	\$810.00
103	2557.527	ELECTRICAL GROUND	EACH	2	\$150.00	\$300.00	\$110.00	\$220.00	\$102.00	\$204.00	\$100.00	\$200.00
104	2557.602	INSTALL VEHICULAR GATE	EACH	1	\$200.00	\$200.00	\$655.00	\$655.00	\$613.00	\$613.00	\$600.00	\$600.00

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105	2563.601 TRAFFIC CONTROL	LUMP SUM	1	\$50,000.00	\$50,000.00	\$25,500.00	\$25,500.00	\$24,000.00	\$24,000.00	\$24,000.00	\$24,000.00
106	2564.531 SIGN PANELS TYPE C	SQ FT	178	\$32.50	\$5,785.00	\$33.50	\$5,963.00	\$31.40	\$5,589.20	\$32.00	\$5,696.00
107	2564.537 INSTALL SIGN TYPE SPECIAL	EACH	1	\$200.00	\$200.00	\$81.50	\$81.50	\$76.60	\$76.60	\$600.00	\$600.00
108	2564.552 HAZARD MARKER X4-2	EACH	4	\$70.00	\$280.00	\$81.50	\$326.00	\$76.60	\$306.40	\$100.00	\$400.00
109	2564.553 CLEARANCE MARKER X4-4	EACH	3	\$70.00	\$210.00	\$115.00	\$345.00	\$107.00	\$321.00	\$100.00	\$300.00
110	2565.511 TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	1	\$250,000.00	\$250,000.00	\$260,000.00	\$260,000.00	\$248,100.00	\$248,100.00	\$173,500.00	\$173,500.00
111	2565.601 EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$10,000.00	\$10,000.00	\$6,640.00	\$6,640.00	\$6,280.00	\$6,280.00	\$6,000.00	\$6,000.00
112	2571.502 DECIDUOUS TREE 10' HT B&B	TREE	10	\$350.00	\$3,500.00	\$300.00	\$3,000.00	\$281.00	\$2,810.00	\$380.00	\$3,800.00
113	2573.502 SILT FENCE, TYPE MACHINE SLICED	LIN FT	8566	\$1.70	\$14,562.20	\$1.60	\$13,705.60	\$1.50	\$12,849.00	\$1.50	\$12,849.00
114	2573.505 FLOTATION SILT CURTAIN TYPE STILL WATER	LIN FT	266	\$10.00	\$2,660.00	\$11.50	\$3,059.00	\$11.00	\$2,926.00	\$11.00	\$2,926.00
115	2573.530 STORM DRAIN INLET PROTECTION	EACH	32	\$125.00	\$4,000.00	\$105.00	\$3,360.00	\$409.00	\$13,088.00	\$300.00	\$9,600.00
116	2573.540 FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	835	\$3.50	\$2,922.50	\$3.00	\$2,505.00	\$2.80	\$2,338.00	\$3.00	\$2,505.00
117	2573.602 TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	8	\$1,500.00	\$12,000.00	\$1,970.00	\$15,760.00	\$1,390.00	\$11,120.00	\$1,200.00	\$9,600.00
118	2573.602 CULVERT PROTECTION	EACH	8	\$100.00	\$800.00	\$160.00	\$1,280.00	\$322.00	\$2,576.00	\$200.00	\$1,600.00
119	2575.501 SEEDING	ACRE	5.5	\$350.00	\$1,925.00	\$96.50	\$530.75	\$92.00	\$506.00	\$100.00	\$550.00
120	2575.502 SEED MIXTURE 240	POUND	369	\$2.50	\$922.50	\$2.80	\$1,033.20	\$2.65	\$977.85	\$3.00	\$1,107.00
121	2575.502 SEED MIXTURE 260	POUND	41	\$2.50	\$102.50	\$1.90	\$77.90	\$1.80	\$73.80	\$3.00	\$123.00
122	2575.511 MULCH MATERIAL TYPE 1	TON	6.5	\$180.00	\$1,170.00	\$190.00	\$1,235.00	\$179.00	\$1,163.50	\$200.00	\$1,300.00
123	2575.519 DISK ANCHORING	ACRE	6	\$80.00	\$480.00	\$80.50	\$483.00	\$76.60	\$459.60	\$100.00	\$600.00
124	2575.523 EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	8400	\$1.10	\$9,240.00	\$1.00	\$8,400.00	\$0.99	\$8,316.00	\$1.00	\$8,400.00
125	2575.532 FERTILIZER TYPE 3	POUND	2114	\$0.95	\$2,008.30	\$0.60	\$1,268.40	\$0.55	\$1,162.70	\$0.60	\$1,268.40
126	2575.570 RAPID STABILIZATION METHOD 2	ACRE	0.5	\$1,000.00	\$500.00	\$1,340.00	\$670.00	\$1,280.00	\$640.00	\$1,300.00	\$650.00
127	2575.571 RAPID STABILIZATION METHOD 3	M GALLONS	4.9	\$600.00	\$2,940.00	\$315.00	\$1,543.50	\$301.00	\$1,474.90	\$300.00	\$1,470.00
128	2581.501 REMOVABLE PREFORMED PLASTIC MARKING	LIN FT	3200	\$1.50	\$4,800.00	\$1.40	\$4,480.00	\$1.35	\$4,320.00	\$1.50	\$4,800.00
129	2582.501 PAVEMENT MESSAGE (RIGHT ARROW) PAINT	EACH	2	\$250.00	\$500.00	\$84.00	\$168.00	\$80.70	\$161.40	\$100.00	\$200.00
130	2582.501 PAVEMENT MESSAGE (RR XING) PAINT	EACH	1	\$300.00	\$300.00	\$180.00	\$180.00	\$173.00	\$173.00	\$150.00	\$150.00
131	2582.501 PAVEMENT MESSAGE (LEFT ARROW) PREFORMED THERMOPLASTIC	EACH	14	\$450.00	\$6,300.00	\$335.00	\$4,690.00	\$323.00	\$4,522.00	\$300.00	\$4,200.00
132	2582.501 PAVEMENT MESSAGE (RIGHT ARROW) PREFORMED THERMOPLASTIC	EACH	8	\$450.00	\$3,600.00	\$335.00	\$2,680.00	\$323.00	\$2,584.00	\$300.00	\$2,400.00
133	2582.501 PAVEMENT MESSAGE (LT-THRU ARROW) PREFORMED THERMOPLASTIC	EACH	1	\$600.00	\$600.00	\$570.00	\$570.00	\$547.00	\$547.00	\$500.00	\$500.00
134	2582.501 PAVEMENT MESSAGE (RIGHT-THRU ARROW) PREFORM THERMOPLASTIC	EACH	3	\$600.00	\$1,800.00	\$570.00	\$1,710.00	\$547.00	\$1,641.00	\$500.00	\$1,500.00
135	2582.501 PAVEMENT MESSAGE (RR XING) PREFORMED THERMOPLASTIC	EACH	2	\$450.00	\$900.00	\$1,440.00	\$2,880.00	\$1,380.00	\$2,760.00	\$1,300.00	\$2,600.00
136	2582.502 4" SOLID LINE WHITE-PAINT	LIN FT	4804	\$0.20	\$960.80	\$0.35	\$1,681.40	\$0.35	\$1,681.40	\$0.30	\$1,441.20
137	2582.502 4" SOLID LINE YELLOW-PAINT	LIN FT	500	\$0.20	\$100.00	\$0.35	\$175.00	\$0.36	\$180.00	\$0.35	\$175.00
138	2582.502 4" DOUBLE SOLID LINE YELLOW-PAINT	LIN FT	2923	\$0.40	\$1,169.20	\$0.75	\$2,192.25	\$0.71	\$2,075.33	\$0.70	\$2,046.10
139	2582.502 24" STOP LINE WHITE-PREFORMED THERMOPLASTIC	LIN FT	321	\$20.00	\$6,420.00	\$24.00	\$7,704.00	\$23.00	\$7,383.00	\$22.00	\$7,062.00

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140	2582.502	24" SOLID LINE YELLOW-PREFORMED THERMOPLASTIC	LIN FT	542	\$9.00	\$4,878.00	\$24.00	\$13,008.00	\$23.00	\$12,466.00	\$22.00	\$11,924.00
141	2582.502	4" SOLID LINE WHITE-EPOXY	LIN FT	9886	\$0.30	\$2,965.80	\$0.35	\$3,460.10	\$0.35	\$3,460.10	\$0.35	\$3,460.10
142	2582.502	4" BROKEN LINE WHITE-EPOXY	LIN FT	563	\$0.30	\$168.90	\$0.35	\$197.05	\$0.35	\$197.05	\$0.35	\$197.05
143	2582.502	8" DOTTED LINE WHITE-EPOXY	LIN FT	100	\$0.60	\$60.00	\$3.60	\$360.00	\$3.45	\$345.00	\$4.00	\$400.00
144	2582.502	4" SOLID LINE YELLOW-EPOXY	LIN FT	2283	\$0.30	\$684.90	\$0.35	\$799.05	\$0.36	\$821.88	\$0.35	\$799.05
145	2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	3140	\$0.60	\$1,884.00	\$0.75	\$2,355.00	\$0.71	\$2,229.40	\$0.70	\$2,198.00
146	2582.503	CROSSWALK MARKING- PREFORMED THERMOPLASTIC	SQ FT	612	\$16.50	\$10,098.00	\$10.50	\$6,426.00	\$10.10	\$6,181.20	\$9.00	\$5,508.00
Total Schedule A:						\$1,610,279.60		\$1,791,957.90		\$1,922,424.31		\$1,771,876.27
Schedule B												
147	2021.501	MOBILIZATION	LUMP SUM	1	\$50,000.00	\$50,000.00	\$62,500.00	\$62,500.00	\$50,000.00	\$50,000.00	\$34,000.00	\$34,000.00
148	2101.501	CLEARING	ACRE	16.33	\$2,500.00	\$40,825.00	\$1,040.00	\$16,983.20	\$409.00	\$6,678.97	\$1,000.00	\$16,330.00
149	2101.502	CLEARING	TREE	7	\$30.00	\$210.00	\$82.00	\$574.00	\$102.00	\$714.00	\$300.00	\$2,100.00
150	2101.507	GRUBBING	TREE	7	\$30.00	\$210.00	\$27.50	\$192.50	\$51.10	\$357.70	\$50.00	\$350.00
151	2102.502	PAVEMENT MARKING REMOVAL	LIN FT	209	\$0.55	\$114.95	\$1.10	\$229.90	\$1.15	\$240.35	\$1.50	\$313.50
152	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	129	\$5.00	\$645.00	\$12.00	\$1,548.00	\$13.10	\$1,689.90	\$12.00	\$1,548.00
153	2104.501	REMOVE CURB AND GUTTER	LIN FT	883	\$5.00	\$4,415.00	\$2.30	\$2,030.90	\$2.45	\$2,163.35	\$2.00	\$1,766.00
154	2104.503	REMOVE CONCRETE WALK	SQ FT	4767	\$2.00	\$9,534.00	\$0.75	\$3,575.25	\$3.70	\$17,637.90	\$2.00	\$9,534.00
155	2104.503	REMOVE CONCRETE PAVEMENT	SQ YD	48	\$10.00	\$480.00	\$6.80	\$326.40	\$3.70	\$177.60	\$3.00	\$144.00
156	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	2976	\$2.00	\$5,952.00	\$1.80	\$5,356.80	\$3.50	\$10,416.00	\$2.00	\$5,952.00
157	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	2	\$200.00	\$400.00	\$285.00	\$570.00	\$341.00	\$682.00	\$200.00	\$400.00
158	2104.509	REMOVE SIGN TYPE C	EACH	1	\$25.00	\$25.00	\$545.00	\$545.00	\$204.00	\$204.00	\$200.00	\$200.00
159	2104.511	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	239	\$6.00	\$1,434.00	\$5.40	\$1,290.60	\$2.95	\$705.05	\$6.00	\$1,434.00
160	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	374	\$3.00	\$1,122.00	\$3.20	\$1,196.80	\$2.20	\$822.80	\$3.00	\$1,122.00
161	2105.501	COMMON EXCAVATION (P)	CU YD	693	\$5.00	\$3,465.00	\$3.00	\$2,079.00	\$2.90	\$2,009.70	\$7.50	\$5,197.50
162	2105.507	SUBGRADE EXCAVATION (P)	CU YD	5153	\$5.50	\$28,341.50	\$6.10	\$31,433.30	\$2.90	\$14,943.70	\$7.50	\$38,647.50
163	2105.522	SELECT GRANULAR BORROW (CV) (P)	CU YD	3162	\$6.00	\$18,972.00	\$6.60	\$20,869.20	\$2.90	\$9,169.80	\$13.00	\$41,106.00
164	2105.523	COMMON BORROW (CV) (P)	CU YD	41316	\$5.00	\$206,580.00	\$3.70	\$152,869.20	\$3.90	\$161,132.40	\$8.00	\$330,528.00
165	2105.525	TOPSOIL BORROW (LV) (P)	CU YD	5369	\$14.00	\$75,166.00	\$16.50	\$88,588.50	\$19.80	\$106,306.20	\$23.00	\$123,487.00
166	2105.525	SELECT TOPSOIL BORROW (LV) (P)	CU YD	271	\$35.00	\$9,485.00	\$19.00	\$5,149.00	\$24.20	\$6,558.20	\$23.00	\$6,233.00
167	2105.535	SALVAGED TOPSOIL (LV) (P)	CU YD	3689	\$5.50	\$20,289.50	\$3.90	\$14,387.10	\$3.45	\$12,727.05	\$7.00	\$25,823.00
168	2105.601	DEWATERING	LUMP SUM	1	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$30,800.00	\$30,800.00	\$500.00	\$500.00
169	2130.501	WATER	M GALLONS	50	\$30.00	\$1,500.00	\$27.00	\$1,350.00	\$38.40	\$1,920.00	\$50.00	\$2,500.00
170	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	1897	\$17.00	\$32,249.00	\$27.50	\$52,167.50	\$23.50	\$44,579.50	\$23.00	\$43,631.00
171	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	1465	\$65.00	\$95,225.00	\$65.50	\$95,957.50	\$66.40	\$97,276.00	\$65.00	\$95,225.00
172	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	975	\$61.00	\$59,475.00	\$59.50	\$58,012.50	\$62.70	\$61,132.50	\$63.00	\$61,425.00

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173	2503.541 15" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	71.2	\$26.00	\$1,851.20	\$26.50	\$1,886.80	\$32.50	\$2,314.00	\$49.00	\$3,488.80
174	2503.541 18" RC PIPE SEWER DESIGN 3006 CLASS IV	LIN FT	578.9	\$31.00	\$17,945.90	\$28.00	\$16,209.20	\$35.00	\$20,261.50	\$51.00	\$29,523.90
175	2503.541 24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	751.5	\$37.00	\$27,805.50	\$34.50	\$25,926.75	\$40.40	\$30,360.60	\$66.00	\$49,599.00
176	2503.602 CONNECT TO EXISTING SANITARY SEWER	EACH	1	\$1,500.00	\$1,500.00	\$510.00	\$510.00	\$1,050.00	\$1,050.00	\$2,400.00	\$2,400.00
177	2503.602 CONNECT TO EXISTING STORM SEWER	EACH	2	\$500.00	\$1,000.00	\$1,050.00	\$2,100.00	\$721.00	\$1,442.00	\$1,600.00	\$3,200.00
178	2503.602 PLUG & ABANDON PIPE SEWER	EACH	2	\$500.00	\$1,000.00	\$760.00	\$1,520.00	\$655.00	\$1,310.00	\$300.00	\$600.00
179	2503.602 PLUG AND ABANDON PIPE WATER	EACH	2	\$500.00	\$1,000.00	\$960.00	\$1,920.00	\$655.00	\$1,310.00	\$300.00	\$600.00
180	2503.603 8" PVC PIPE SEWER	LIN FT	135	\$40.00	\$5,400.00	\$31.50	\$4,252.50	\$32.80	\$4,428.00	\$74.00	\$9,990.00
181	2504.601 IRRIGATION SYSTEM	LUMP SUM	1	\$22,000.00	\$22,000.00	\$17,500.00	\$17,500.00	\$16,600.00	\$16,600.00	\$19,000.00	\$19,000.00
182	2504.602 CONNECT TO EXISTING WATERMAIN	EACH	1	\$1,706.00	\$1,706.00	\$4,100.00	\$4,100.00	\$4,920.00	\$4,920.00	\$3,400.00	\$3,400.00
183	2504.602 HYDRANT	EACH	3	\$3,291.00	\$9,873.00	\$3,860.00	\$11,580.00	\$4,040.00	\$12,120.00	\$4,200.00	\$12,600.00
184	2504.602 INSTALL PLUG	EACH	5	\$225.00	\$1,125.00	\$160.00	\$800.00	\$131.00	\$655.00	\$170.00	\$850.00
185	2504.602 6" GATE VALVE	EACH	3	\$1,371.00	\$4,113.00	\$1,340.00	\$4,020.00	\$1,370.00	\$4,110.00	\$1,900.00	\$5,700.00
186	2504.602 8" GATE VALVE	EACH	3	\$1,647.00	\$4,941.00	\$1,760.00	\$5,280.00	\$2,010.00	\$6,030.00	\$2,200.00	\$6,600.00
187	2504.602 12" GATE VALVE	EACH	8	\$2,700.00	\$21,600.00	\$2,990.00	\$23,920.00	\$3,430.00	\$27,440.00	\$3,400.00	\$27,200.00
188	2504.602 ADJUST VALVE BOX	EACH	2	\$300.00	\$600.00	\$170.00	\$340.00	\$210.00	\$420.00	\$300.00	\$600.00
189	2504.602 ADJUST HYDRANT AND GATE VALVE	EACH	1	\$162.00	\$162.00	\$800.00	\$800.00	\$789.00	\$789.00	\$1,000.00	\$1,000.00
190	2504.603 6" WATER MAIN-DUCT IRON CL 53	LIN FT	156	\$33.00	\$5,148.00	\$39.00	\$6,084.00	\$44.70	\$6,973.20	\$59.00	\$9,204.00
191	2504.603 8" WATER MAIN-DUCT IRON CL 52	LIN FT	275	\$39.00	\$10,725.00	\$39.00	\$10,725.00	\$44.50	\$12,237.50	\$59.00	\$16,225.00
192	2504.603 12" WATER MAIN-DUCT IRON CL 52	LIN FT	1234	\$44.00	\$54,296.00	\$48.00	\$59,232.00	\$61.50	\$75,891.00	\$73.00	\$90,082.00
193	2504.604 4" POLYSTYRENE INSULATION	SQ YD	11	\$39.00	\$429.00	\$22.00	\$242.00	\$37.40	\$411.40	\$25.00	\$275.00
194	2504.608 DIP FITTINGS	LBS	2435	\$3.75	\$9,131.25	\$4.00	\$9,740.00	\$4.10	\$9,983.50	\$5.00	\$12,175.00
195	2504.602 8" PVC PIPE PLUG	EACH	1	\$100.00	\$100.00	\$16.50	\$16.50	\$130.00	\$130.00	\$120.00	\$120.00
196	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN F	EACH	6	\$800.00	\$4,800.00	\$1,800.00	\$10,800.00	\$1,420.00	\$8,520.00	\$460.00	\$2,760.00
197	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN H	EACH	2	\$1,000.00	\$2,000.00	\$735.00	\$1,470.00	\$661.00	\$1,322.00	\$500.00	\$1,000.00
198	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	EACH	5	\$1,360.00	\$6,800.00	\$2,090.00	\$10,450.00	\$1,500.00	\$7,500.00	\$460.00	\$2,300.00
199	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	EACH	4	\$2,000.00	\$8,000.00	\$2,840.00	\$11,360.00	\$2,350.00	\$9,400.00	\$510.00	\$2,040.00
200	2506.601 CONSTRUCT DRAINAGE STRUCTURE DESIGN 144-4022	EACH	1	\$3,320.00	\$3,320.00	\$20,500.00	\$20,500.00	\$18,900.00	\$18,900.00	\$15,000.00	\$15,000.00
201	2506.516 FURNISH AND INSTALL CASTING ASSEMBLY	EACH	19	\$750.00	\$14,250.00	\$1,000.00	\$19,000.00	\$788.00	\$14,972.00	\$390.00	\$7,410.00
202	2506.602 CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	2	\$500.00	\$1,000.00	\$360.00	\$720.00	\$721.00	\$1,442.00	\$1,600.00	\$3,200.00
203	2506.602 RECONSTRUCT DRAINAGE STRUCTURE	EACH	1	\$675.00	\$675.00	\$7,050.00	\$7,050.00	\$8,740.00	\$8,740.00	\$1,100.00	\$1,100.00
204	2506.602 FURNISH AND INSTALL CASTING	EACH	1	\$750.00	\$750.00	\$855.00	\$855.00	\$780.00	\$780.00	\$570.00	\$570.00
205	2506.602 ADJUST CASTINGS	EACH	1	\$250.00	\$250.00	\$550.00	\$550.00	\$239.00	\$239.00	\$500.00	\$500.00
206	2506.603 48" SANITARY MANHOLE	EACH	1	\$2,000.00	\$2,000.00	\$2,240.00	\$2,240.00	\$2,240.00	\$2,240.00	\$4,700.00	\$4,700.00
207	2506.603 48" EXCESS DEPTH MANHOLE	LF	3	\$250.00	\$750.00	\$190.00	\$570.00	\$150.00	\$450.00	\$74.00	\$222.00

Project: 01973-01 - CSAH 83 & 147th Ave/Sunwood Drive Intersection Improvements				Engineers Estimate		C. S. McCrossan Construction, Inc.		Park Construction Company - Mpls		Kuechle Underground		
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
208	2521.501	4" CONCRETE SIDEWALK	SQ FT	18114	\$4.00	\$72,456.00	\$2.90	\$52,530.60	\$4.25	\$76,984.50	\$4.00	\$72,456.00
209	2531.501	CONCRETE CURB & GUTTER DESIGN D418	LIN FT	342	\$16.25	\$5,557.50	\$15.50	\$5,301.00	\$15.40	\$5,266.80	\$14.00	\$4,788.00
210	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	4273	\$12.00	\$51,276.00	\$11.00	\$47,003.00	\$14.70	\$62,813.10	\$13.00	\$55,549.00
211	2531.507	8" CONCRETE DRIVEWAY PAVEMENT	SQ YD	636	\$65.00	\$41,340.00	\$52.00	\$33,072.00	\$51.40	\$32,690.40	\$58.00	\$36,888.00
212	2531.618	TRUNCATED DOMES	SQ FT	250	\$40.00	\$10,000.00	\$38.50	\$9,625.00	\$35.80	\$8,950.00	\$35.00	\$8,750.00
213	2540.602	BOLLARD	EACH	4	\$600.00	\$2,400.00	\$820.00	\$3,280.00	\$624.00	\$2,496.00	\$200.00	\$800.00
214	2564.552	HAZARD MARKER X4-2	EACH	4	\$70.00	\$280.00	\$81.50	\$326.00	\$76.60	\$306.40	\$100.00	\$400.00
215	2564.618	SIGN PANELS TYPE C	SQ FT	238	\$32.50	\$7,735.00	\$33.50	\$7,973.00	\$31.40	\$7,473.20	\$32.00	\$7,616.00
216	2571.502	DECIDUOUS TREE 2.5" CAL B&B	TREE	53	\$500.00	\$26,500.00	\$325.00	\$17,225.00	\$307.00	\$16,271.00	\$380.00	\$20,140.00
217	2571.504	CONIFEROUS SHRUB 3' HT B&B	SHRUB	10	\$45.00	\$450.00	\$43.50	\$435.00	\$40.90	\$409.00	\$60.00	\$600.00
218	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	5568	\$1.70	\$9,465.60	\$1.60	\$8,908.80	\$1.50	\$8,352.00	\$1.50	\$8,352.00
219	2573.530	STORM DRAIN INLET PROTECTION	EACH	25	\$125.00	\$3,125.00	\$105.00	\$2,625.00	\$409.00	\$10,225.00	\$300.00	\$7,500.00
220	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	6	\$3.50	\$21.00	\$3.00	\$18.00	\$2.80	\$16.80	\$5.00	\$30.00
221	2575.502	SEED MIXTURE 190	POUND	337	\$1.72	\$579.64	\$4.20	\$1,415.40	\$4.05	\$1,364.85	\$5.00	\$1,685.00
222	2575.505	SEED MIXTURE 340	LBS	21	\$3.25	\$68.25	\$6.50	\$136.50	\$6.20	\$130.20	\$7.00	\$147.00
223	2575.505	SODDING TYPE SALT RESISTANT	SQ YD	1626	\$4.00	\$6,504.00	\$3.00	\$4,878.00	\$2.80	\$4,552.80	\$3.00	\$4,878.00
224	2575.532	FERTILIZER TYPE 1	POUND	2021	\$0.41	\$828.61	\$0.55	\$1,111.55	\$0.50	\$1,010.50	\$0.50	\$1,010.50
225	2575.532	FERTILIZER TYPE 3	POUND	75	\$0.41	\$30.75	\$0.60	\$45.00	\$0.55	\$41.25	\$1.00	\$75.00
226	2575.511	MULCH MATERIAL TYPE 1	TON	12	\$99.00	\$1,188.00	\$240.00	\$2,880.00	\$230.00	\$2,760.00	\$240.00	\$2,880.00
227	2582.501	PAVEMENT MESSAGE (LT-THRU ARROW) ONLY PREFORMED	EACH	2	\$100.00	\$200.00	\$600.00	\$1,200.00	\$576.00	\$1,152.00	\$500.00	\$1,000.00
228	2582.501	PAVEMENT MESSAGE (THRU ARROW) POLY PREFORM	EACH	1	\$100.00	\$100.00	\$360.00	\$360.00	\$346.00	\$346.00	\$300.00	\$300.00
229	2582.501	PAVEMENT MESSAGE (LEFT ARROW) POLY PREFORMED	EACH	7	\$328.00	\$2,296.00	\$360.00	\$2,520.00	\$346.00	\$2,422.00	\$300.00	\$2,100.00
230	2582.501	PAVEMENT MESSAGE (RIGHT ARROW) POLY PREFORM	EACH	2	\$341.00	\$682.00	\$360.00	\$720.00	\$346.00	\$692.00	\$300.00	\$600.00
231	2582.501	PAVEMENT MESSAGE (ONLY) POLY PREFORM	EACH	8	\$310.00	\$2,480.00	\$420.00	\$3,360.00	\$403.00	\$3,224.00	\$350.00	\$2,800.00
232	2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	223	\$0.47	\$104.81	\$0.75	\$167.25	\$0.71	\$158.33	\$0.80	\$178.40
233	2582.502	4" SOLID LINE YELLOW-EPOXY	LIN FT	2297	\$0.25	\$574.25	\$0.35	\$803.95	\$0.36	\$826.92	\$0.40	\$918.80
234	2582.502	4" SOLID LINE WHITE-EPOXY	LIN FT	1686	\$0.23	\$387.78	\$0.35	\$590.10	\$0.35	\$590.10	\$0.40	\$674.40
235	2582.502	4" BROKEN LINE YELLOW-EPOXY	LIN FT	276	\$0.30	\$82.80	\$0.35	\$96.60	\$0.36	\$99.36	\$0.40	\$110.40
236	2582.502	4" BROKEN LINE WHITE-EPOXY	LIN FT	66	\$0.30	\$19.80	\$0.35	\$23.10	\$0.35	\$23.10	\$0.30	\$19.80
237	2582.502	8" DOTTED LINE WHITE-POLY PREFORM	LIN FT	42	\$5.78	\$242.76	\$8.20	\$344.40	\$7.85	\$329.70	\$6.80	\$285.60
238	2582.502	4" DOTTED LINE WHITE-EPOXY	LIN FT	33	\$1.41	\$46.53	\$3.00	\$99.00	\$2.90	\$95.70	\$3.00	\$99.00
239	2582.502	24" SOLID LINE YELLOW-EPOXY	LIN FT	42	\$10.00	\$420.00	\$6.00	\$252.00	\$5.75	\$241.50	\$5.00	\$210.00
240	2582.503	CROSSWALK MARKING-POLY PREFORM	SQ FT	270	\$13.10	\$3,537.00	\$10.00	\$2,700.00	\$9.70	\$2,619.00	\$9.00	\$2,430.00
				Total Schedule B:		\$1,170,140.88		\$1,126,078.15		\$1,211,669.88		\$1,441,002.10

Project: 01973-01 - CSAH 83 &147th Ave/Sunwood Drive Intersection Improvements				Engineers Estimate		C. S. McCrossan Construction, Inc.		Park Construction Company - Mpls		Kuechle Underground	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
	Total Schedule A:				\$1,610,279.60		\$1,791,957.90		\$1,922,424.31		\$1,771,876.27
	Total Schedule B:				\$1,170,140.88		\$1,126,078.15		\$1,211,669.88		\$1,441,002.10
Totals for Project 01973-01					\$2,780,420.48		\$2,918,036.05		\$3,134,094.19		\$3,212,878.37
% of Estimate for Project 01973-01							4.95%		12.72%		15.55%

I hereby certify that this is an exact reproduction of bids received.

Certified By: _____ License No. _____

Date: _____

