




## BID TABULATION SUMMARY

**Project:** Armstrong Boulevard / Bunker Lake Boulevard  
**Location:** Ramsey, MN  
**Project Nos.** SAP 199-020-005 / SAP 199-121-001  
**WSB Project No.** 1973-00

**Date:** May 16, 2011, 10:00 a.m.

Contractor	Bid Security	Addendums 1 - 3	Total Bid
1 Douglas-Kerr Underground, LLC	X	Yes	\$3,458,170.43
2 R.L. Larson Excavating, Inc.	X	Yes	\$3,496,547.40
3 Redstone Construction	X	Yes	\$3,618,367.35
4 Forest Lake Contracting, Inc.	X	Yes	\$3,719,824.85
5 Veit & Company, Inc.	X	Yes	\$3,795,968.09
6 Geislinger & Sons, Inc.	X	Yes	\$3,822,606.80
7 New Look Contracting	X	Yes	\$3,828,751.69
8 Kuechle Underground	X	Yes	\$3,937,001.86
9 Dresel Contracting	X	Yes	\$3,991,680.50
10 Burschville Construction Inc.	X	Yes	\$4,113,181.00
11 Northwest Asphalt, Inc.	X	Yes	\$4,208,669.98
12 S.R. Weidema, Inc.	X	Yes	\$4,246,185.61
Engineer's Estimate			\$3,646,702.70

I hereby certify that this is a true and correct tabulation of the bids as received on May 16, 2011.

  
Jupe G. Hale, PE, Project Manager

 Denotes corrected figure



**WSB  
Project Bid Abstract**

**Project Name:** RAMSEY - Armstrong and Bunker Lake Boulevard Int and Contract No.: Extensions

**Client:** City of Ramsey  
**Bid Opening:** 5/16/2011 1:00 PM

**Project No.:** 01973-00  
**Owner:** Minneapolis

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions				Engineers Estimate		Douglas-Kerr Underground, LLC		R. L. Larson Excavating, Inc.		Redstone Construction		
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
Base Bid												
1	2021.501	MOBILIZATION	LUMP SUM	1	\$110,000.00	\$110,000.00	\$116,195.00	\$116,195.00	\$40,000.00	\$40,000.00	\$138,500.00	\$138,500.00
2	2031.501	FIELD OFFICE TYPE D	EACH	1	\$15,000.00	\$15,000.00	\$6,700.00	\$6,700.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00
3	2101.501	CLEARING	ACRE	0.4	\$2,200.00	\$880.00	\$1,500.00	\$600.00	\$1,000.00	\$400.00	\$600.00	\$240.00
4	2101.502	CLEARING	TREE	127	\$120.00	\$15,240.00	\$60.00	\$7,620.00	\$65.00	\$8,255.00	\$60.00	\$7,620.00
5	2101.506	GRUBBING	ACRE	0.4	\$1,700.00	\$680.00	\$1,500.00	\$600.00	\$2,000.00	\$800.00	\$600.00	\$240.00
6	2101.507	GRUBBING	TREE	127	\$80.00	\$10,160.00	\$20.00	\$2,540.00	\$20.00	\$2,540.00	\$20.00	\$2,540.00
7	2104.501	REMOVE METAL CULVERT	LIN FT	532	\$7.00	\$3,724.00	\$5.00	\$2,660.00	\$3.00	\$1,596.00	\$3.20	\$1,702.40
8	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	148	\$12.00	\$1,776.00	\$8.00	\$1,184.00	\$4.00	\$592.00	\$8.50	\$1,258.00
9	2104.501	REMOVE SEWER PIPE (SANITARY)	LIN FT	6	\$7.00	\$42.00	\$0.01	\$0.06	\$10.00	\$60.00	\$11.00	\$66.00
10	2104.501	REMOVE STEEL CASING	LIN FT	10	\$65.00	\$650.00	\$150.00	\$1,500.00	\$20.00	\$200.00	\$21.30	\$213.00
11	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	20800	\$2.00	\$41,600.00	\$1.50	\$31,200.00	\$1.50	\$31,200.00	\$1.50	\$31,200.00
12	2104.509	REMOVE CONCRETE APRON	EACH	3	\$250.00	\$750.00	\$125.00	\$375.00	\$50.00	\$150.00	\$105.00	\$315.00
13	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	1	\$150.00	\$150.00	\$175.00	\$175.00	\$200.00	\$200.00	\$316.00	\$316.00
14	2104.509	REMOVE SIGN TYPE C	EACH	35	\$25.00	\$875.00	\$35.00	\$1,225.00	\$25.00	\$875.00	\$25.00	\$875.00
15	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	1	\$120.00	\$120.00	\$25.00	\$25.00	\$30.00	\$30.00	\$25.00	\$25.00
16	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	970	\$2.50	\$2,425.00	\$2.90	\$2,813.00	\$2.50	\$2,425.00	\$2.90	\$2,813.00
17	2104.521	SALVAGE FENCE	LIN FT	400	\$8.00	\$3,200.00	\$6.00	\$2,400.00	\$4.00	\$1,600.00	\$7.00	\$2,800.00
18	2104.521	SALVAGE METAL CULVERTS	LIN FT	72	\$7.00	\$504.00	\$5.20	\$374.40	\$5.00	\$360.00	\$3.20	\$230.40
19	2104.523	SALVAGE GATE VALVE	EACH	1	\$150.00	\$150.00	\$187.50	\$187.50	\$150.00	\$150.00	\$158.00	\$158.00
20	2104.523	SALVAGE HYDRANT	EACH	1	\$300.00	\$300.00	\$375.00	\$375.00	\$210.00	\$210.00	\$213.00	\$213.00
21	2104.523	SALVAGE METAL APRON	EACH	2	\$250.00	\$500.00	\$93.75	\$187.50	\$25.00	\$50.00	\$25.00	\$50.00
22	2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	2	\$180.00	\$360.00	\$25.00	\$50.00	\$30.00	\$60.00	\$25.00	\$50.00
23	2105.525	TOPSOIL BORROW (CV)	CU YD	500	\$12.00	\$6,000.00	\$16.15	\$8,075.00	\$16.00	\$8,000.00	\$16.15	\$8,075.00
24	2105.601	DEWATERING	LUMP SUM	1	\$20,000.00	\$20,000.00	\$112,766.00	\$112,766.00	\$115,000.00	\$115,000.00	\$100,000.00	\$100,000.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions			Engineers Estimate				Douglas-Kerr Underground, LLC		R. L. Larson Excavating, Inc.		Redstone Construction	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
25	2106.607	EXCAVATION - COMMON	CU YD	34767	\$5.00	\$173,835.00	\$3.30	\$114,731.10	\$4.50	\$156,451.50	\$3.30	\$114,731.10
26	2106.607	COMMON EMBANKMENT (CV)	CU YD	36135	\$2.00	\$72,270.00	\$3.75	\$135,506.25	\$4.10	\$148,153.50	\$3.75	\$135,506.25
27	2106.607	SELECT GRANULAR EMBANKMENT (CV)	CU YD	300	\$8.00	\$2,400.00	\$9.65	\$2,895.00	\$13.00	\$3,900.00	\$9.65	\$2,895.00
28	2112.604	SUBGRADE PREPARATION	SQ YD	44810	\$0.75	\$33,607.50	\$0.95	\$42,569.50	\$0.20	\$8,962.00	\$0.95	\$42,569.50
29	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	40	\$130.00	\$5,200.00	\$115.00	\$4,600.00	\$110.00	\$4,400.00	\$115.00	\$4,600.00
30	2130.501	WATER	M GALLONS	100	\$20.00	\$2,000.00	\$28.00	\$2,800.00	\$30.00	\$3,000.00	\$28.00	\$2,800.00
31	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	14801	\$22.00	\$325,622.00	\$17.75	\$262,717.75	\$18.50	\$273,818.50	\$17.75	\$262,717.75
32	2221.503	AGGREGATE SHOULDERING (CV) CLASS 5 MOD	CU YD	760	\$17.00	\$12,920.00	\$29.50	\$22,420.00	\$30.00	\$22,800.00	\$29.50	\$22,420.00
33	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	8459	\$60.00	\$507,540.00	\$59.57	\$503,902.63	\$62.00	\$524,458.00	\$59.57	\$503,902.63
34	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	5691	\$55.00	\$313,005.00	\$55.07	\$313,403.37	\$57.50	\$327,232.50	\$55.07	\$313,403.37
35	2501.511	15" CS PIPE CULVERT	LIN FT	80	\$30.00	\$2,400.00	\$20.85	\$1,668.00	\$16.00	\$1,280.00	\$24.40	\$1,952.00
36	2501.511	15" RC PIPE CULVERT CLASS V	LIN FT	196	\$27.00	\$5,292.00	\$23.70	\$4,645.20	\$23.00	\$4,508.00	\$26.90	\$5,272.40
37	2501.511	18" RC PIPE CULVERT CLASS III	LIN FT	103	\$32.00	\$3,296.00	\$25.55	\$2,631.65	\$24.00	\$2,472.00	\$28.70	\$2,956.10
38	2501.511	21" RC PIPE CULVERT CLASS III	LIN FT	155	\$34.00	\$5,270.00	\$38.10	\$5,905.50	\$27.00	\$4,185.00	\$31.90	\$4,944.50
39	2501.511	24" RC PIPE CULVERT CLASS III	LIN FT	188	\$40.00	\$7,520.00	\$43.50	\$8,178.00	\$29.00	\$5,452.00	\$34.90	\$6,561.20
40	2501.515	15" RC PIPE APRON	EACH	3	\$200.00	\$600.00	\$357.70	\$1,073.10	\$300.00	\$900.00	\$309.00	\$927.00
41	2501.515	18" RC PIPE APRON	EACH	3	\$300.00	\$900.00	\$428.10	\$1,284.30	\$335.00	\$1,005.00	\$354.00	\$1,062.00
42	2501.515	21" RC PIPE APRON	EACH	2	\$375.00	\$750.00	\$374.95	\$749.90	\$365.00	\$730.00	\$385.00	\$770.00
43	2501.515	24" RC PIPE APRON	EACH	4	\$400.00	\$1,600.00	\$411.15	\$1,644.60	\$460.00	\$1,840.00	\$419.00	\$1,676.00
44	2501.515	36" RC PIPE APRON	EACH	2	\$1,000.00	\$2,000.00	\$787.20	\$1,574.40	\$775.00	\$1,550.00	\$835.00	\$1,670.00
45	2501.521	44" SPAN RC PIPE-ARCH CULVERT CLASS IIA	LIN FT	231	\$120.00	\$27,720.00	\$71.85	\$16,597.35	\$68.00	\$15,708.00	\$74.70	\$17,255.70
46	2501.525	28" SPAN RC PIPE-ARCH APRON	EACH	2	\$800.00	\$1,600.00	\$454.10	\$908.20	\$1,020.00	\$2,040.00	\$458.00	\$916.00
47	2501.525	36" SPAN RC PIPE-ARCH APRON	EACH	1	\$1,100.00	\$1,100.00	\$658.10	\$658.10	\$1,175.00	\$1,175.00	\$555.00	\$555.00
48	2501.525	44" SPAN RC PIPE-ARCH APRON	EACH	4	\$1,200.00	\$4,800.00	\$705.70	\$2,822.80	\$1,510.00	\$6,040.00	\$701.00	\$2,804.00
49	2501.569	15" CS SAFETY APRON	EACH	2	\$500.00	\$1,000.00	\$391.40	\$782.80	\$250.00	\$500.00	\$211.00	\$422.00
50	2501.569	15" RC SAFETY APRON	EACH	5	\$600.00	\$3,000.00	\$443.15	\$2,215.75	\$325.00	\$1,625.00	\$448.00	\$2,240.00
51	2501.569	18" RC SAFETY APRON	EACH	2	\$700.00	\$1,400.00	\$423.30	\$846.60	\$380.00	\$760.00	\$508.00	\$1,016.00
52	2501.571	INSTALL METAL CULVERT	LIN FT	72	\$40.00	\$2,880.00	\$5.20	\$374.40	\$10.00	\$720.00	\$6.35	\$457.20
53	2501.573	INSTALL METAL APRON	EACH	2	\$450.00	\$900.00	\$93.75	\$187.50	\$25.00	\$50.00	\$27.30	\$54.60
54	2501.602	TRASH GUARD FOR 18" PIPE APRON	EACH	2	\$250.00	\$500.00	\$212.55	\$425.10	\$250.00	\$500.00	\$240.00	\$480.00
55	2501.602	TRASH GUARD FOR 24" PIPE APRON	EACH	1	\$300.00	\$300.00	\$303.10	\$303.10	\$535.00	\$535.00	\$518.00	\$518.00
56	2501.602	TRASH GUARD FOR 36" PIPE APRON	EACH	2	\$450.00	\$900.00	\$521.90	\$1,043.80	\$885.00	\$1,770.00	\$857.00	\$1,714.00
57	2501.602	TRASH GUARD FOR 28" SPAN PIPE APRON	EACH	2	\$650.00	\$1,300.00	\$548.10	\$1,096.20	\$680.00	\$1,360.00	\$544.00	\$1,088.00
58	2501.602	TRASH GUARD FOR 36" SPAN PIPE APRON	EACH	1	\$850.00	\$850.00	\$654.70	\$654.70	\$930.00	\$930.00	\$658.00	\$658.00
59	2501.602	TRASH GUARD FOR 44" SPAN PIPE APRON	EACH	4	\$1,000.00	\$4,000.00	\$879.15	\$3,516.60	\$1,020.00	\$4,080.00	\$897.00	\$3,588.00

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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	
60	2503.521	28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	325	\$65.00	\$21,125.00	\$39.80	\$12,935.00	\$42.00	\$13,650.00	\$41.00	\$13,325.00
61	2503.521	36" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	65	\$95.00	\$6,175.00	\$51.80	\$3,367.00	\$54.00	\$3,510.00	\$54.30	\$3,529.50
62	2503.541	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	2912	\$25.00	\$72,800.00	\$20.10	\$58,531.20	\$23.00	\$66,976.00	\$23.10	\$67,267.20
63	2503.541	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1395	\$30.00	\$41,850.00	\$22.40	\$31,248.00	\$25.00	\$34,875.00	\$23.90	\$33,340.50
64	2503.541	21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	921	\$32.00	\$29,472.00	\$23.75	\$21,873.75	\$29.00	\$26,709.00	\$27.70	\$25,511.70
65	2503.541	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	996	\$39.00	\$38,844.00	\$23.80	\$23,704.80	\$30.00	\$29,880.00	\$31.60	\$31,473.60
66	2503.541	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	710	\$70.00	\$49,700.00	\$45.90	\$32,589.00	\$51.00	\$36,210.00	\$49.70	\$35,287.00
67	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	1	\$750.00	\$750.00	\$1,500.00	\$1,500.00	\$2,700.00	\$2,700.00	\$529.00	\$529.00
68	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1	\$600.00	\$600.00	\$562.50	\$562.50	\$350.00	\$350.00	\$158.00	\$158.00
69	2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1	\$800.00	\$800.00	\$750.00	\$750.00	\$800.00	\$800.00	\$369.00	\$369.00
70	2503.602	8" PIPE PLUG	EACH	1	\$100.00	\$100.00	\$91.95	\$91.95	\$20.00	\$20.00	\$53.80	\$53.80
71	2503.602	15" PIPE PLUG	EACH	7	\$300.00	\$2,100.00	\$103.35	\$723.45	\$65.00	\$455.00	\$159.00	\$1,113.00
72	2503.602	18" PIPE PLUG	EACH	1	\$350.00	\$350.00	\$260.60	\$260.60	\$200.00	\$200.00	\$229.00	\$229.00
73	2503.602	21" PIPE PLUG	EACH	1	\$400.00	\$400.00	\$437.40	\$437.40	\$375.00	\$375.00	\$447.00	\$447.00
74	2503.603	8" PVC PIPE SEWER	LIN FT	65	\$29.00	\$1,885.00	\$20.65	\$1,342.25	\$17.00	\$1,105.00	\$22.40	\$1,456.00
75	2503.603	18" PVC PIPE SEWER	LIN FT	2724	\$52.00	\$141,648.00	\$40.05	\$109,096.20	\$47.00	\$128,028.00	\$49.30	\$134,293.20
76	2503.603	21" PVC PIPE SEWER	LIN FT	1312	\$58.00	\$76,096.00	\$63.10	\$82,787.20	\$60.00	\$78,720.00	\$66.40	\$87,116.80
77	2503.603	24" PVC PIPE SEWER	LIN FT	1431	\$64.00	\$91,584.00	\$71.85	\$102,817.35	\$71.00	\$101,601.00	\$83.60	\$119,631.60
78	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	2	\$1,000.00	\$2,000.00	\$987.00	\$1,974.00	\$975.00	\$1,950.00	\$393.00	\$786.00
79	2504.602	HYDRANT	EACH	7	\$2,700.00	\$18,900.00	\$3,002.85	\$21,019.95	\$3,100.00	\$21,700.00	\$2,890.00	\$20,230.00
80	2504.602	INSTALL HYDRANT	EACH	1	\$1,000.00	\$1,000.00	\$595.00	\$595.00	\$735.00	\$735.00	\$449.00	\$449.00
81	2504.602	INSTALL GATE VALVE	EACH	1	\$300.00	\$300.00	\$252.50	\$252.50	\$170.00	\$170.00	\$221.00	\$221.00
82	2504.602	ADJUST GATE VALVE AND BOX	EACH	5	\$200.00	\$1,000.00	\$175.00	\$875.00	\$150.00	\$750.00	\$213.00	\$1,065.00
83	2504.602	16" BUTTERFLY VALVE AND BOX	EACH	6	\$3,000.00	\$18,000.00	\$3,302.15	\$19,812.90	\$2,350.00	\$14,100.00	\$2,760.00	\$16,560.00
84	2504.602	24" BUTTERFLY VALVE	EACH	1	\$4,500.00	\$4,500.00	\$6,154.75	\$6,154.75	\$4,920.00	\$4,920.00	\$5,570.00	\$5,570.00
85	2504.602	6" GATE VALVE AND BOX	EACH	7	\$1,000.00	\$7,000.00	\$1,106.15	\$7,743.05	\$1,000.00	\$7,000.00	\$1,150.00	\$8,050.00
86	2504.602	8" GATE VALVE AND BOX	EACH	2	\$1,200.00	\$2,400.00	\$1,545.40	\$3,090.80	\$1,350.00	\$2,700.00	\$1,640.00	\$3,280.00
87	2504.603	6" WATER MAIN-DUCT IRON CL 53	LIN FT	135	\$28.00	\$3,780.00	\$29.15	\$3,935.25	\$29.00	\$3,915.00	\$34.40	\$4,644.00
88	2504.603	8" WATER MAIN-DUCT IRON CL 52	LIN FT	169	\$38.00	\$6,422.00	\$30.00	\$5,070.00	\$32.00	\$5,408.00	\$34.80	\$5,881.20
89	2504.603	16" WATER MAIN-DUCT IRON CL 52	LIN FT	2768	\$44.00	\$121,792.00	\$59.30	\$164,142.40	\$60.00	\$166,080.00	\$67.00	\$185,456.00
90	2504.603	24" WATER MAIN-DUCT IRON CL 52	LIN FT	140	\$56.00	\$7,840.00	\$103.20	\$14,448.00	\$96.00	\$13,440.00	\$167.00	\$23,380.00
91	2504.604	6" POLYSTYRENE INSULATION	SQ YD	11	\$80.00	\$880.00	\$46.70	\$513.70	\$40.00	\$440.00	\$52.10	\$573.10
92	2504.608	DUCTILE IRON FITTINGS	POUND	9825	\$3.00	\$29,475.00	\$2.25	\$22,106.25	\$2.00	\$19,650.00	\$2.85	\$28,001.25
93	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	214.4	\$240.00	\$51,456.00	\$133.50	\$28,622.40	\$165.00	\$35,376.00	\$156.00	\$33,446.40
94	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD	LIN FT	91.1	\$300.00	\$27,330.00	\$286.50	\$26,100.15	\$240.00	\$21,864.00	\$301.00	\$27,421.10

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95	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	4	\$450.00	\$1,800.00	\$398.15	\$1,592.60	\$300.00	\$1,200.00	\$393.00	\$1,572.00
96	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-42	LIN FT	7.8	\$600.00	\$4,680.00	\$535.50	\$4,176.90	\$580.00	\$4,524.00	\$554.00	\$4,321.20
97	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	128.7	\$250.00	\$32,175.00	\$214.30	\$27,580.41	\$240.00	\$30,888.00	\$226.00	\$29,086.20
98	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	31.3	\$300.00	\$9,390.00	\$317.85	\$9,948.71	\$300.00	\$9,390.00	\$317.00	\$9,922.10
99	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	4.9	\$350.00	\$1,715.00	\$438.25	\$2,147.43	\$580.00	\$2,842.00	\$460.00	\$2,254.00
100	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	EACH	1	\$7,000.00	\$7,000.00	\$3,827.85	\$3,827.85	\$4,000.00	\$4,000.00	\$3,630.00	\$3,630.00
101	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	EACH	11	\$1,000.00	\$11,000.00	\$627.55	\$6,903.05	\$1,000.00	\$11,000.00	\$828.00	\$9,108.00
102	2506.516	CASTING ASSEMBLY	EACH	73	\$500.00	\$36,500.00	\$990.00	\$72,270.00	\$875.00	\$63,875.00	\$928.00	\$67,744.00
103	2506.516	CASTING ASSEMBLY	EACH	18	\$400.00	\$7,200.00	\$681.55	\$12,267.90	\$460.00	\$8,280.00	\$720.00	\$12,960.00
104	2511.501	RANDOM RIPRAP CLASS II	CU YD	84.2	\$100.00	\$8,420.00	\$89.90	\$7,569.58	\$60.00	\$5,052.00	\$84.90	\$7,148.58
105	2511.501	RANDOM RIPRAP CLASS III	CU YD	6.3	\$200.00	\$1,260.00	\$89.75	\$565.43	\$60.00	\$378.00	\$96.20	\$606.06
106	2511.501	RANDOM RIPRAP CLASS IV	CU YD	6	\$200.00	\$1,200.00	\$90.00	\$540.00	\$60.00	\$360.00	\$95.50	\$573.00
107	2521.501	4" CONCRETE WALK	SQ FT	26523	\$3.00	\$79,569.00	\$2.45	\$64,981.35	\$2.80	\$74,264.40	\$2.65	\$70,285.95
108	2521.511	2" BITUMINOUS WALK	SQ FT	104909	\$1.30	\$136,381.70	\$0.84	\$88,123.56	\$0.90	\$94,418.10	\$0.84	\$88,123.56
109	2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	2477	\$10.00	\$24,770.00	\$8.79	\$21,772.83	\$9.20	\$22,788.40	\$10.15	\$25,141.55
110	2531.501	CONCRETE CURB & GUTTER DESIGN B418 (MOD)	LIN FT	108	\$12.00	\$1,296.00	\$16.59	\$1,791.72	\$16.50	\$1,782.00	\$11.95	\$1,290.60
111	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	4008	\$13.00	\$52,104.00	\$10.16	\$40,721.28	\$10.50	\$42,084.00	\$11.70	\$46,893.60
112	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	4146	\$12.00	\$49,752.00	\$9.35	\$38,765.10	\$9.20	\$38,143.20	\$10.15	\$42,081.90
113	2531.501	CONCRETE CURB & GUTTER DESIGN B618 (MODIFIED)	LIN FT	60	\$15.00	\$900.00	\$16.84	\$1,010.40	\$18.00	\$1,080.00	\$11.95	\$717.00
114	2531.507	6" CONCRETE PAVEMENT	SQ YD	24	\$60.00	\$1,440.00	\$59.93	\$1,438.32	\$56.00	\$1,344.00	\$63.00	\$1,512.00
115	2531.602	CONCRETE MEDIAN NOSE DESIGN 7109	EACH	3	\$500.00	\$1,500.00	\$486.75	\$1,460.25	\$300.00	\$900.00	\$275.00	\$825.00
116	2531.602	CONC ENTRANCE NOSE DES 7113	EACH	5	\$500.00	\$2,500.00	\$486.75	\$2,433.75	\$300.00	\$1,500.00	\$250.00	\$1,250.00
117	2531.618	TRUNCATED DOMES	SQ FT	96	\$40.00	\$3,840.00	\$32.00	\$3,072.00	\$32.00	\$3,072.00	\$30.00	\$2,880.00
118	2533.507	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	2705	\$15.00	\$40,575.00	\$13.50	\$36,517.50	\$13.50	\$36,517.50	\$14.50	\$39,222.50
119	2533.508	RELOCATE PORTABLE PRECAST CONC BARRIER DESIGN 8337	LIN FT	1730	\$4.00	\$6,920.00	\$3.00	\$5,190.00	\$3.00	\$5,190.00	\$3.50	\$6,055.00
120	2540.602	PROTECT MAIL BOX	EACH	1	\$100.00	\$100.00	\$150.00	\$150.00	\$50.00	\$50.00	\$100.00	\$100.00
121	2554.615	IMPACT ATTENUATOR	ASSEMBLY	6	\$3,000.00	\$18,000.00	\$2,400.00	\$14,400.00	\$2,400.00	\$14,400.00	\$2,650.00	\$15,900.00
122	2554.615	RELOCATE IMPACT ATTENUATOR	ASSEMBLY	4	\$750.00	\$3,000.00	\$400.00	\$1,600.00	\$400.00	\$1,600.00	\$750.00	\$3,000.00
123	2557.603	INSTALL WOODEN FENCE	LIN FT	400	\$10.00	\$4,000.00	\$15.50	\$6,200.00	\$20.00	\$8,000.00	\$31.00	\$12,400.00
124	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$80,000.00	\$80,000.00	\$11,000.00	\$11,000.00	\$12,500.00	\$12,500.00	\$15,900.00	\$15,900.00
125	2563.602	RAISED PAVEMENT MARKER TEMPORARY	EACH	925	\$2.00	\$1,850.00	\$1.40	\$1,295.00	\$1.40	\$1,295.00	\$1.50	\$1,387.50
126	2564.531	SIGN PANELS TYPE C	SQ FT	428.9	\$30.00	\$12,867.00	\$31.00	\$13,295.90	\$32.00	\$13,724.80	\$29.00	\$12,438.10
127	2564.537	INSTALL SIGN TYPE SPECIAL	EACH	2	\$150.00	\$300.00	\$100.00	\$200.00	\$100.00	\$200.00	\$125.00	\$250.00
128	2564.550	DELINEATOR TYPE X4-13	EACH	3	\$50.00	\$150.00	\$45.00	\$135.00	\$50.00	\$150.00	\$50.00	\$150.00
129	2564.552	HAZARD MARKER X4-2	EACH	7	\$50.00	\$350.00	\$65.00	\$455.00	\$70.00	\$490.00	\$65.00	\$455.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions			Engineers Estimate				Douglas-Kerr Underground, LLC		R. L. Larson Excavating, Inc.		Redstone Construction	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
130	2564.554	SNOW PLOW MARKER X4-5	EACH	7	\$50.00	\$350.00	\$75.00	\$525.00	\$80.00	\$560.00	\$50.00	\$350.00
131	2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	1	\$220,000.00	\$220,000.00	\$264,150.00	\$264,150.00	\$269,500.00	\$269,500.00	\$245,050.00	\$245,050.00
132	2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$40,000.00	\$40,000.00
133	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	2615	\$2.00	\$5,230.00	\$1.45	\$3,791.75	\$1.60	\$4,184.00	\$1.55	\$4,053.25
134	2573.530	STORM DRAIN INLET PROTECTION	EACH	64	\$250.00	\$16,000.00	\$100.00	\$6,400.00	\$75.00	\$4,800.00	\$75.00	\$4,800.00
135	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	654	\$4.00	\$2,616.00	\$2.95	\$1,929.30	\$3.00	\$1,962.00	\$2.75	\$1,798.50
136	2573.602	CULVERT PROTECTION	EACH	13	\$250.00	\$3,250.00	\$250.00	\$3,250.00	\$75.00	\$975.00	\$75.00	\$975.00
137	2575.501	SEEDING	ACRE	15.5	\$200.00	\$3,100.00	\$150.00	\$2,325.00	\$120.00	\$1,860.00	\$115.00	\$1,782.50
138	2575.502	SEED MIXTURE 240	POUND	900	\$1.50	\$1,350.00	\$1.99	\$1,791.00	\$2.00	\$1,800.00	\$1.90	\$1,710.00
139	2575.502	SEED MIXTURE 260	POUND	470	\$2.00	\$940.00	\$1.55	\$728.50	\$2.00	\$940.00	\$1.50	\$705.00
140	2575.502	SEED MIXTURE 310	POUND	30	\$3.00	\$90.00	\$14.30	\$429.00	\$15.00	\$450.00	\$14.00	\$420.00
141	2575.502	SEED MIXTURE 350	POUND	50	\$2.50	\$125.00	\$3.65	\$182.50	\$5.00	\$250.00	\$4.00	\$200.00
142	2575.511	MULCH MATERIAL TYPE 1	TON	32	\$200.00	\$6,400.00	\$175.00	\$5,600.00	\$170.00	\$5,440.00	\$165.00	\$5,280.00
143	2575.519	DISK ANCHORING	ACRE	13.5	\$150.00	\$2,025.00	\$75.00	\$1,012.50	\$60.00	\$810.00	\$50.00	\$675.00
144	2575.523	EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	4545	\$1.50	\$6,817.50	\$0.96	\$4,363.20	\$0.90	\$4,090.50	\$0.85	\$3,863.25
145	2575.532	FERTILIZER TYPE 3	POUND	6250	\$1.00	\$6,250.00	\$0.39	\$2,437.50	\$0.50	\$3,125.00	\$0.45	\$2,812.50
146	2575.532	FERTILIZER TYPE 4	POUND	100	\$3.00	\$300.00	\$1.00	\$100.00	\$1.00	\$100.00	\$0.85	\$85.00
147	2575.570	RAPID STABILIZATION METHOD 2	ACRE	2.5	\$1,100.00	\$2,750.00	\$950.00	\$2,375.00	\$1,000.00	\$2,500.00	\$950.00	\$2,375.00
148	2582.501	PAVT MSSG (LT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$400.00	\$3,600.00	\$400.00	\$3,600.00	\$400.00	\$3,600.00
149	2582.501	PAVT MSSG (RT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$400.00	\$3,600.00	\$400.00	\$3,600.00	\$400.00	\$3,600.00
150	2582.502	4" SOLID LINE WHITE-PAINT	LIN FT	19800	\$0.20	\$3,960.00	\$0.10	\$1,980.00	\$0.10	\$1,980.00	\$0.15	\$2,970.00
151	2582.502	4" DOUBLE SOLID LINE YELLOW-PAINT	LIN FT	18150	\$0.40	\$7,260.00	\$0.28	\$5,082.00	\$0.30	\$5,445.00	\$0.30	\$5,445.00
152	2582.502	24" STOP LINE WHITE-PREFORMED THERMOPLASTIC	LIN FT	240	\$8.00	\$1,920.00	\$18.00	\$4,320.00	\$20.00	\$4,800.00	\$18.00	\$4,320.00
153	2582.502	24" SOLID LINE YELLOW-PREFORMED THERMOPLASTIC	LIN FT	1925	\$8.00	\$15,400.00	\$8.00	\$15,400.00	\$8.00	\$15,400.00	\$8.00	\$15,400.00
154	2582.502	4" SOLID LINE WHITE-EPOXY	LIN FT	17610	\$0.50	\$8,805.00	\$0.32	\$5,635.20	\$0.35	\$6,163.50	\$0.32	\$5,635.20
155	2582.502	4" BROKEN LINE WHITE-EPOXY	LIN FT	550	\$0.50	\$275.00	\$0.32	\$176.00	\$0.35	\$192.50	\$0.32	\$176.00
156	2582.502	8" DOTTED LINE WHITE-EPOXY	LIN FT	120	\$0.85	\$102.00	\$3.00	\$360.00	\$3.00	\$360.00	\$3.00	\$360.00
157	2582.502	4" SOLID LINE YELLOW-EPOXY	LIN FT	5270	\$0.50	\$2,635.00	\$0.33	\$1,739.10	\$0.35	\$1,844.50	\$0.33	\$1,739.10
158	2582.502	4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	6810	\$1.00	\$6,810.00	\$0.66	\$4,494.60	\$0.70	\$4,767.00	\$0.66	\$4,494.60
159	2582.503	CROSSWALK MARKING-PREFORMED THERMOPLASTIC	SQ FT	1360	\$12.00	\$16,320.00	\$16.00	\$21,760.00	\$16.00	\$21,760.00	\$16.00	\$21,760.00
Total Base Bid:						\$3,646,702.70		\$3,458,170.43		\$3,496,547.40		\$3,618,367.35
Total Base Bid:						\$3,646,702.70		\$3,458,170.43		\$3,496,547.40		\$3,618,367.35
Totals for Project 01973-00						\$3,646,702.70		\$3,458,170.43		\$3,496,547.40		\$3,618,367.35
% of Estimate for Project 01973-00								-5.17%		-4.12%		-0.78%

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions				Engineers Estimate		Forest Lake Contracting, Inc.		Veit & Company, Inc.		Geislinger and Sons, Inc.		
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
Base Bid												
1	2021.501	MOBILIZATION	LUMP SUM	1	\$110,000.00	\$110,000.00	\$135,000.00	\$135,000.00	\$92,102.00	\$92,102.00	\$50,000.00	\$50,000.00
2	2031.501	FIELD OFFICE TYPE D	EACH	1	\$15,000.00	\$15,000.00	\$4,000.00	\$4,000.00	\$5,666.00	\$5,666.00	\$10,000.00	\$10,000.00
3	2101.501	CLEARING	ACRE	0.4	\$2,200.00	\$880.00	\$1,500.00	\$600.00	\$1,647.00	\$658.80	\$2,200.00	\$880.00
4	2101.502	CLEARING	TREE	127	\$120.00	\$15,240.00	\$60.00	\$7,620.00	\$66.00	\$8,382.00	\$60.00	\$7,620.00
5	2101.506	GRUBBING	ACRE	0.4	\$1,700.00	\$680.00	\$1,500.00	\$600.00	\$1,647.00	\$658.80	\$1,000.00	\$400.00
6	2101.507	GRUBBING	TREE	127	\$80.00	\$10,160.00	\$20.00	\$2,540.00	\$22.00	\$2,794.00	\$20.00	\$2,540.00
7	2104.501	REMOVE METAL CULVERT	LIN FT	532	\$7.00	\$3,724.00	\$5.00	\$2,660.00	\$10.00	\$5,320.00	\$4.00	\$2,128.00
8	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	148	\$12.00	\$1,776.00	\$11.00	\$1,628.00	\$10.00	\$1,480.00	\$6.00	\$888.00
9	2104.501	REMOVE SEWER PIPE (SANITARY)	LIN FT	6	\$7.00	\$42.00	\$25.00	\$150.00	\$13.00	\$78.00	\$2.00	\$12.00
10	2104.501	REMOVE STEEL CASING	LIN FT	10	\$65.00	\$650.00	\$30.00	\$300.00	\$10.00	\$100.00	\$25.00	\$250.00
11	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	20800	\$2.00	\$41,600.00	\$1.40	\$29,120.00	\$0.93	\$19,344.00	\$1.80	\$37,440.00
12	2104.509	REMOVE CONCRETE APRON	EACH	3	\$250.00	\$750.00	\$300.00	\$900.00	\$163.00	\$489.00	\$250.00	\$750.00
13	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	1	\$150.00	\$150.00	\$400.00	\$400.00	\$340.00	\$340.00	\$450.00	\$450.00
14	2104.509	REMOVE SIGN TYPE C	EACH	35	\$25.00	\$875.00	\$25.00	\$875.00	\$22.00	\$770.00	\$50.00	\$1,750.00
15	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	1	\$120.00	\$120.00	\$25.00	\$25.00	\$49.00	\$49.00	\$150.00	\$150.00
16	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	970	\$2.50	\$2,425.00	\$2.20	\$2,134.00	\$2.00	\$1,940.00	\$3.00	\$2,910.00
17	2104.521	SALVAGE FENCE	LIN FT	400	\$8.00	\$3,200.00	\$4.00	\$1,600.00	\$6.00	\$2,400.00	\$8.00	\$3,200.00
18	2104.521	SALVAGE METAL CULVERTS	LIN FT	72	\$7.00	\$504.00	\$5.00	\$360.00	\$163.00	\$11,736.00	\$8.00	\$576.00
19	2104.523	SALVAGE GATE VALVE	EACH	1	\$150.00	\$150.00	\$200.00	\$200.00	\$186.00	\$186.00	\$250.00	\$250.00
20	2104.523	SALVAGE HYDRANT	EACH	1	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$373.00	\$373.00	\$500.00	\$500.00
21	2104.523	SALVAGE METAL APRON	EACH	2	\$250.00	\$500.00	\$75.00	\$150.00	\$163.00	\$326.00	\$100.00	\$200.00
22	2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	2	\$180.00	\$360.00	\$25.00	\$50.00	\$49.00	\$98.00	\$500.00	\$1,000.00
23	2105.525	TOPSOIL BORROW (CV)	CU YD	500	\$12.00	\$6,000.00	\$10.00	\$5,000.00	\$13.00	\$6,500.00	\$22.00	\$11,000.00
24	2105.601	DEWATERING	LUMP SUM	1	\$20,000.00	\$20,000.00	\$120,000.00	\$120,000.00	\$126,937.00	\$126,937.00	\$140,000.00	\$140,000.00
25	2106.607	EXCAVATION - COMMON	CU YD	34767	\$5.00	\$173,835.00	\$6.00	\$208,602.00	\$2.00	\$69,534.00	\$3.85	\$133,852.95
26	2106.607	COMMON EMBANKMENT (CV)	CU YD	36135	\$2.00	\$72,270.00	\$5.00	\$180,675.00	\$2.35	\$84,917.25	\$4.90	\$177,061.50
27	2106.607	SELECT GRANULAR EMBANKMENT (CV)	CU YD	300	\$8.00	\$2,400.00	\$12.00	\$3,600.00	\$16.18	\$4,854.00	\$15.00	\$4,500.00
28	2112.604	SUBGRADE PREPARATION	SQ YD	44810	\$0.75	\$33,607.50	\$0.01	\$448.10	\$0.80	\$35,848.00	\$1.00	\$44,810.00
29	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	40	\$130.00	\$5,200.00	\$100.00	\$4,000.00	\$132.00	\$5,280.00	\$130.00	\$5,200.00
30	2130.501	WATER	M GALLONS	100	\$20.00	\$2,000.00	\$24.00	\$2,400.00	\$6.00	\$600.00	\$30.00	\$3,000.00
31	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	14801	\$22.00	\$325,622.00	\$24.00	\$355,224.00	\$16.00	\$236,816.00	\$19.00	\$281,219.00
32	2221.503	AGGREGATE SHOULDERING (CV) CLASS 5 MOD	CU YD	760	\$17.00	\$12,920.00	\$29.50	\$22,420.00	\$21.00	\$15,960.00	\$21.50	\$16,340.00
33	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	8459	\$60.00	\$507,540.00	\$59.57	\$503,902.63	\$67.00	\$566,753.00	\$60.80	\$514,307.20
34	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	5691	\$55.00	\$313,005.00	\$55.07	\$313,403.37	\$60.00	\$341,460.00	\$54.00	\$307,314.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		Forest Lake Contracting, Inc.		Veit & Company, Inc.		Geislinger and Sons, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
35	2501.511 15" CS PIPE CULVERT	LIN FT	80	\$30.00	\$2,400.00	\$30.00	\$2,400.00	\$33.00	\$2,640.00	\$28.00	\$2,240.00	
36	2501.511 15" RC PIPE CULVERT CLASS V	LIN FT	196	\$27.00	\$5,292.00	\$26.00	\$5,096.00	\$25.00	\$4,900.00	\$32.00	\$6,272.00	
37	2501.511 18" RC PIPE CULVERT CLASS III	LIN FT	103	\$32.00	\$3,296.00	\$27.00	\$2,781.00	\$27.00	\$2,781.00	\$33.00	\$3,399.00	
38	2501.511 21" RC PIPE CULVERT CLASS III	LIN FT	155	\$34.00	\$5,270.00	\$29.00	\$4,495.00	\$29.00	\$4,495.00	\$36.00	\$5,580.00	
39	2501.511 24" RC PIPE CULVERT CLASS III	LIN FT	188	\$40.00	\$7,520.00	\$33.00	\$6,204.00	\$30.00	\$5,640.00	\$38.00	\$7,144.00	
40	2501.515 15" RC PIPE APRON	EACH	3	\$200.00	\$600.00	\$525.00	\$1,575.00	\$402.00	\$1,206.00	\$580.00	\$1,740.00	
41	2501.515 18" RC PIPE APRON	EACH	3	\$300.00	\$900.00	\$550.00	\$1,650.00	\$423.00	\$1,269.00	\$600.00	\$1,800.00	
42	2501.515 21" RC PIPE APRON	EACH	2	\$375.00	\$750.00	\$600.00	\$1,200.00	\$443.00	\$886.00	\$620.00	\$1,240.00	
43	2501.515 24" RC PIPE APRON	EACH	4	\$400.00	\$1,600.00	\$625.00	\$2,500.00	\$564.00	\$2,256.00	\$640.00	\$2,560.00	
44	2501.515 36" RC PIPE APRON	EACH	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$924.00	\$1,848.00	\$880.00	\$1,760.00	
45	2501.521 44" SPAN RC PIPE-ARCH CULVERT CLASS IIA	LIN FT	231	\$120.00	\$27,720.00	\$82.00	\$18,942.00	\$65.00	\$15,015.00	\$82.00	\$18,942.00	
46	2501.525 28" SPAN RC PIPE-ARCH APRON	EACH	2	\$800.00	\$1,600.00	\$725.00	\$1,450.00	\$400.00	\$800.00	\$650.00	\$1,300.00	
47	2501.525 36" SPAN RC PIPE-ARCH APRON	EACH	1	\$1,100.00	\$1,100.00	\$850.00	\$850.00	\$825.00	\$825.00	\$850.00	\$850.00	
48	2501.525 44" SPAN RC PIPE-ARCH APRON	EACH	4	\$1,200.00	\$4,800.00	\$1,100.00	\$4,400.00	\$2,500.00	\$10,000.00	\$1,300.00	\$5,200.00	
49	2501.569 15" CS SAFETY APRON	EACH	2	\$500.00	\$1,000.00	\$700.00	\$1,400.00	\$290.00	\$580.00	\$600.00	\$1,200.00	
50	2501.569 15" RC SAFETY APRON	EACH	5	\$600.00	\$3,000.00	\$600.00	\$3,000.00	\$427.00	\$2,135.00	\$620.00	\$3,100.00	
51	2501.569 18" RC SAFETY APRON	EACH	2	\$700.00	\$1,400.00	\$625.00	\$1,250.00	\$635.00	\$1,270.00	\$650.00	\$1,300.00	
52	2501.571 INSTALL METAL CULVERT	LIN FT	72	\$40.00	\$2,880.00	\$16.00	\$1,152.00	\$32.00	\$2,304.00	\$14.00	\$1,008.00	
53	2501.573 INSTALL METAL APRON	EACH	2	\$450.00	\$900.00	\$100.00	\$200.00	\$264.00	\$528.00	\$150.00	\$300.00	
54	2501.602 TRASH GUARD FOR 18" PIPE APRON	EACH	2	\$250.00	\$500.00	\$160.00	\$320.00	\$221.00	\$442.00	\$150.00	\$300.00	
55	2501.602 TRASH GUARD FOR 24" PIPE APRON	EACH	1	\$300.00	\$300.00	\$250.00	\$250.00	\$480.00	\$480.00	\$230.00	\$230.00	
56	2501.602 TRASH GUARD FOR 36" PIPE APRON	EACH	2	\$450.00	\$900.00	\$375.00	\$750.00	\$794.00	\$1,588.00	\$340.00	\$680.00	
57	2501.602 TRASH GUARD FOR 28" SPAN PIPE APRON	EACH	2	\$650.00	\$1,300.00	\$225.00	\$450.00	\$609.00	\$1,218.00	\$220.00	\$440.00	
58	2501.602 TRASH GUARD FOR 36" SPAN PIPE APRON	EACH	1	\$850.00	\$850.00	\$300.00	\$300.00	\$831.00	\$831.00	\$280.00	\$280.00	
59	2501.602 TRASH GUARD FOR 44" SPAN PIPE APRON	EACH	4	\$1,000.00	\$4,000.00	\$380.00	\$1,520.00	\$1,292.00	\$5,168.00	\$360.00	\$1,440.00	
60	2503.521 28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	325	\$65.00	\$21,125.00	\$52.00	\$16,900.00	\$47.00	\$15,275.00	\$50.00	\$16,250.00	
61	2503.521 36" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	65	\$95.00	\$6,175.00	\$66.00	\$4,290.00	\$58.00	\$3,770.00	\$60.00	\$3,900.00	
62	2503.541 15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	2912	\$25.00	\$72,800.00	\$22.00	\$64,064.00	\$26.00	\$75,712.00	\$31.00	\$90,272.00	
63	2503.541 18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1395	\$30.00	\$41,850.00	\$22.00	\$30,690.00	\$28.00	\$39,060.00	\$32.00	\$44,640.00	
64	2503.541 21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	921	\$32.00	\$29,472.00	\$24.00	\$22,104.00	\$31.00	\$28,551.00	\$33.00	\$30,393.00	
65	2503.541 24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	996	\$39.00	\$38,844.00	\$25.00	\$24,900.00	\$34.00	\$33,864.00	\$36.00	\$35,856.00	
66	2503.541 36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	710	\$70.00	\$49,700.00	\$50.00	\$35,500.00	\$53.00	\$37,630.00	\$88.00	\$62,480.00	
67	2503.602 CONNECT TO EXISTING SANITARY SEWER	EACH	1	\$750.00	\$750.00	\$1,000.00	\$1,000.00	\$9,384.00	\$9,384.00	\$1,000.00	\$1,000.00	
68	2503.602 CONNECT TO EXISTING STORM SEWER	EACH	1	\$600.00	\$600.00	\$400.00	\$400.00	\$1,118.00	\$1,118.00	\$1,000.00	\$1,000.00	
69	2503.602 CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1	\$800.00	\$800.00	\$600.00	\$600.00	\$1,118.00	\$1,118.00	\$1,100.00	\$1,100.00	

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		Forest Lake Contracting, Inc.		Veit & Company, Inc.		Geislinger and Sons, Inc.	
Item No.	Item		Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
70	2503.602	8" PIPE PLUG	EACH	1	\$100.00	\$100.00	\$50.00	\$50.00	\$92.00	\$92.00	\$20.00	\$20.00
71	2503.602	15" PIPE PLUG	EACH	7	\$300.00	\$2,100.00	\$225.00	\$1,575.00	\$212.00	\$1,484.00	\$200.00	\$1,400.00
72	2503.602	18" PIPE PLUG	EACH	1	\$350.00	\$350.00	\$250.00	\$250.00	\$268.00	\$268.00	\$200.00	\$200.00
73	2503.602	21" PIPE PLUG	EACH	1	\$400.00	\$400.00	\$400.00	\$400.00	\$456.00	\$456.00	\$500.00	\$500.00
74	2503.603	8" PVC PIPE SEWER	LIN FT	65	\$29.00	\$1,885.00	\$29.00	\$1,885.00	\$25.00	\$1,625.00	\$36.00	\$2,340.00
75	2503.603	18" PVC PIPE SEWER	LIN FT	2724	\$52.00	\$141,648.00	\$47.00	\$128,028.00	\$54.00	\$147,096.00	\$57.00	\$155,268.00
76	2503.603	21" PVC PIPE SEWER	LIN FT	1312	\$58.00	\$76,096.00	\$64.00	\$83,968.00	\$77.00	\$101,024.00	\$69.00	\$90,528.00
77	2503.603	24" PVC PIPE SEWER	LIN FT	1431	\$64.00	\$91,584.00	\$78.00	\$111,618.00	\$90.00	\$128,790.00	\$80.00	\$114,480.00
78	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$663.00	\$1,326.00	\$1,000.00	\$2,000.00
79	2504.602	HYDRANT	EACH	7	\$2,700.00	\$18,900.00	\$3,300.00	\$23,100.00	\$3,260.00	\$22,820.00	\$3,600.00	\$25,200.00
80	2504.602	INSTALL HYDRANT	EACH	1	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	\$411.00	\$411.00	\$1,250.00	\$1,250.00
81	2504.602	INSTALL GATE VALVE	EACH	1	\$300.00	\$300.00	\$225.00	\$225.00	\$226.00	\$226.00	\$250.00	\$250.00
82	2504.602	ADJUST GATE VALVE AND BOX	EACH	5	\$200.00	\$1,000.00	\$275.00	\$1,375.00	\$214.00	\$1,070.00	\$150.00	\$750.00
83	2504.602	16" BUTTERFLY VALVE AND BOX	EACH	6	\$3,000.00	\$18,000.00	\$2,400.00	\$14,400.00	\$2,487.00	\$14,922.00	\$2,500.00	\$15,000.00
84	2504.602	24" BUTTERFLY VALVE	EACH	1	\$4,500.00	\$4,500.00	\$5,100.00	\$5,100.00	\$5,202.00	\$5,202.00	\$5,100.00	\$5,100.00
85	2504.602	6" GATE VALVE AND BOX	EACH	7	\$1,000.00	\$7,000.00	\$1,100.00	\$7,700.00	\$1,026.00	\$7,182.00	\$1,130.00	\$7,910.00
86	2504.602	8" GATE VALVE AND BOX	EACH	2	\$1,200.00	\$2,400.00	\$1,500.00	\$3,000.00	\$1,461.00	\$2,922.00	\$1,500.00	\$3,000.00
87	2504.603	6" WATER MAIN-DUCT IRON CL 53	LIN FT	135	\$28.00	\$3,780.00	\$40.00	\$5,400.00	\$35.00	\$4,725.00	\$44.00	\$5,940.00
88	2504.603	8" WATER MAIN-DUCT IRON CL 52	LIN FT	169	\$38.00	\$6,422.00	\$40.00	\$6,760.00	\$38.00	\$6,422.00	\$45.00	\$7,605.00
89	2504.603	16" WATER MAIN-DUCT IRON CL 52	LIN FT	2768	\$44.00	\$121,792.00	\$61.00	\$168,848.00	\$70.00	\$193,760.00	\$69.00	\$190,992.00
90	2504.603	24" WATER MAIN-DUCT IRON CL 52	LIN FT	140	\$56.00	\$7,840.00	\$102.00	\$14,280.00	\$120.00	\$16,800.00	\$105.00	\$14,700.00
91	2504.604	6" POLYSTYRENE INSULATION	SQ YD	11	\$80.00	\$880.00	\$42.00	\$462.00	\$29.00	\$319.00	\$50.00	\$550.00
92	2504.608	DUCTILE IRON FITTINGS	POUND	9825	\$3.00	\$29,475.00	\$1.00	\$9,825.00	\$2.00	\$19,650.00	\$2.00	\$19,650.00
93	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	214.4	\$240.00	\$51,456.00	\$155.00	\$33,232.00	\$153.00	\$32,803.20	\$170.00	\$36,448.00
94	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD	LIN FT	91.1	\$300.00	\$27,330.00	\$265.00	\$24,141.50	\$378.00	\$34,435.80	\$280.00	\$25,508.00
95	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	4	\$450.00	\$1,800.00	\$350.00	\$1,400.00	\$467.00	\$1,868.00	\$440.00	\$1,760.00
96	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-42	LIN FT	7.8	\$600.00	\$4,680.00	\$450.00	\$3,510.00	\$596.00	\$4,648.80	\$460.00	\$3,588.00
97	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	128.7	\$250.00	\$32,175.00	\$210.00	\$27,027.00	\$284.00	\$36,550.80	\$280.00	\$36,036.00
98	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	31.3	\$300.00	\$9,390.00	\$290.00	\$9,077.00	\$381.00	\$11,925.30	\$380.00	\$11,894.00
99	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	4.9	\$350.00	\$1,715.00	\$380.00	\$1,862.00	\$502.00	\$2,459.80	\$520.00	\$2,548.00
100	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	EACH	1	\$7,000.00	\$7,000.00	\$3,600.00	\$3,600.00	\$3,493.00	\$3,493.00	\$2,520.00	\$2,520.00
101	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	EACH	11	\$1,000.00	\$11,000.00	\$800.00	\$8,800.00	\$796.00	\$8,756.00	\$1,050.00	\$11,550.00
102	2506.516	CASTING ASSEMBLY	EACH	73	\$500.00	\$36,500.00	\$950.00	\$69,350.00	\$1,247.00	\$91,031.00	\$720.00	\$52,560.00
103	2506.516	CASTING ASSEMBLY	EACH	18	\$400.00	\$7,200.00	\$725.00	\$13,050.00	\$766.00	\$13,788.00	\$430.00	\$7,740.00
104	2511.501	RANDOM RIPRAP CLASS II	CU YD	84.2	\$100.00	\$8,420.00	\$85.00	\$7,157.00	\$77.00	\$6,483.40	\$150.00	\$12,630.00

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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	
105	2511.501	RANDOM RIPRAP CLASS III	CU YD	6.3	\$200.00	\$1,260.00	\$105.00	\$661.50	\$77.00	\$485.10	\$150.00	\$945.00
106	2511.501	RANDOM RIPRAP CLASS IV	CU YD	6	\$200.00	\$1,200.00	\$110.00	\$660.00	\$77.00	\$462.00	\$150.00	\$900.00
107	2521.501	4" CONCRETE WALK	SQ FT	26523	\$3.00	\$79,569.00	\$2.80	\$74,264.40	\$3.00	\$79,569.00	\$3.15	\$83,547.45
108	2521.511	2" BITUMINOUS WALK	SQ FT	104909	\$1.30	\$136,381.70	\$1.10	\$115,399.90	\$1.56	\$163,658.04	\$1.40	\$146,872.60
109	2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	2477	\$10.00	\$24,770.00	\$8.70	\$21,549.90	\$11.00	\$27,247.00	\$9.20	\$22,788.40
110	2531.501	CONCRETE CURB & GUTTER DESIGN B418 (MOD)	LIN FT	108	\$12.00	\$1,296.00	\$20.00	\$2,160.00	\$16.00	\$1,728.00	\$11.00	\$1,188.00
111	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	4008	\$13.00	\$52,104.00	\$10.00	\$40,080.00	\$13.00	\$52,104.00	\$10.75	\$43,086.00
112	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	4146	\$12.00	\$49,752.00	\$8.80	\$36,484.80	\$11.00	\$45,606.00	\$9.20	\$38,143.20
113	2531.501	CONCRETE CURB & GUTTER DESIGN B618 (MODIFIED)	LIN FT	60	\$15.00	\$900.00	\$20.00	\$1,200.00	\$16.00	\$960.00	\$11.00	\$660.00
114	2531.507	6" CONCRETE PAVEMENT	SQ YD	24	\$60.00	\$1,440.00	\$62.00	\$1,488.00	\$59.00	\$1,416.00	\$47.00	\$1,128.00
115	2531.602	CONCRETE MEDIAN NOSE DESIGN 7109	EACH	3	\$500.00	\$1,500.00	\$350.00	\$1,050.00	\$983.00	\$2,949.00	\$275.00	\$825.00
116	2531.602	CONC ENTRANCE NOSE DES 7113	EACH	5	\$500.00	\$2,500.00	\$350.00	\$1,750.00	\$636.00	\$3,180.00	\$250.00	\$1,250.00
117	2531.618	TRUNCATED DOMES	SQ FT	96	\$40.00	\$3,840.00	\$32.00	\$3,072.00	\$37.00	\$3,552.00	\$30.00	\$2,880.00
118	2533.507	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	2705	\$15.00	\$40,575.00	\$13.50	\$36,517.50	\$16.00	\$43,280.00	\$14.50	\$39,222.50
119	2533.508	RELOCATE PORTABLE PRECAST CONC BARRIER DESIGN 8337	LIN FT	1730	\$4.00	\$6,920.00	\$3.00	\$5,190.00	\$5.00	\$8,650.00	\$3.50	\$6,055.00
120	2540.602	PROTECT MAIL BOX	EACH	1	\$100.00	\$100.00	\$100.00	\$100.00	\$25.00	\$25.00	\$500.00	\$500.00
121	2554.615	IMPACT ATTENUATOR	ASSEMBLY	6	\$3,000.00	\$18,000.00	\$2,400.00	\$14,400.00	\$2,745.00	\$16,470.00	\$2,650.00	\$15,900.00
122	2554.615	RELOCATE IMPACT ATTENUATOR	ASSEMBLY	4	\$750.00	\$3,000.00	\$400.00	\$1,600.00	\$604.00	\$2,416.00	\$750.00	\$3,000.00
123	2557.603	INSTALL WOODEN FENCE	LIN FT	400	\$10.00	\$4,000.00	\$10.00	\$4,000.00	\$34.00	\$13,600.00	\$32.00	\$12,800.00
124	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$80,000.00	\$80,000.00	\$13,000.00	\$13,000.00	\$10,431.00	\$10,431.00	\$16,000.00	\$16,000.00
125	2563.602	RAISED PAVEMENT MARKER TEMPORARY	EACH	925	\$2.00	\$1,850.00	\$1.40	\$1,295.00	\$2.00	\$1,850.00	\$1.50	\$1,387.50
126	2564.531	SIGN PANELS TYPE C	SQ FT	428.9	\$30.00	\$12,867.00	\$31.00	\$13,295.90	\$33.00	\$14,153.70	\$29.00	\$12,438.10
127	2564.537	INSTALL SIGN TYPE SPECIAL	EACH	2	\$150.00	\$300.00	\$100.00	\$200.00	\$137.00	\$274.00	\$125.00	\$250.00
128	2564.550	DELINEATOR TYPE X4-13	EACH	3	\$50.00	\$150.00	\$45.00	\$135.00	\$44.00	\$132.00	\$50.00	\$150.00
129	2564.552	HAZARD MARKER X4-2	EACH	7	\$50.00	\$350.00	\$65.00	\$455.00	\$49.00	\$343.00	\$65.00	\$455.00
130	2564.554	SNOW PLOW MARKER X4-5	EACH	7	\$50.00	\$350.00	\$75.00	\$525.00	\$60.00	\$420.00	\$50.00	\$350.00
131	2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	1	\$220,000.00	\$220,000.00	\$204,000.00	\$204,000.00	\$290,043.00	\$290,043.00	\$264,150.00	\$264,150.00
132	2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$10,000.00	\$10,000.00	\$36,000.00	\$36,000.00	\$5,490.00	\$5,490.00	\$5,000.00	\$5,000.00
133	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	2615	\$2.00	\$5,230.00	\$1.75	\$4,576.25	\$2.00	\$5,230.00	\$1.60	\$4,184.00
134	2573.530	STORM DRAIN INLET PROTECTION	EACH	64	\$250.00	\$16,000.00	\$125.00	\$8,000.00	\$80.00	\$5,120.00	\$220.00	\$14,080.00
135	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	654	\$4.00	\$2,616.00	\$2.80	\$1,831.20	\$3.00	\$1,962.00	\$3.00	\$1,962.00
136	2573.602	CULVERT PROTECTION	EACH	13	\$250.00	\$3,250.00	\$375.00	\$4,875.00	\$86.00	\$1,118.00	\$100.00	\$1,300.00
137	2575.501	SEEDING	ACRE	15.5	\$200.00	\$3,100.00	\$150.00	\$2,325.00	\$126.00	\$1,953.00	\$150.00	\$2,325.00
138	2575.502	SEED MIXTURE 240	POUND	900	\$1.50	\$1,350.00	\$3.00	\$2,700.00	\$2.00	\$1,800.00	\$3.00	\$2,700.00
139	2575.502	SEED MIXTURE 260	POUND	470	\$2.00	\$940.00	\$2.50	\$1,175.00	\$2.00	\$940.00	\$2.50	\$1,175.00

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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
140	2575.502 SEED MIXTURE 310	POUND	30	\$3.00	\$90.00	\$16.00	\$480.00	\$15.00	\$450.00	\$16.00	\$480.00
141	2575.502 SEED MIXTURE 350	POUND	50	\$2.50	\$125.00	\$5.00	\$250.00	\$4.00	\$200.00	\$5.00	\$250.00
142	2575.511 MULCH MATERIAL TYPE 1	TON	32	\$200.00	\$6,400.00	\$120.00	\$3,840.00	\$181.00	\$5,792.00	\$120.00	\$3,840.00
143	2575.519 DISK ANCHORING	ACRE	13.5	\$150.00	\$2,025.00	\$50.00	\$675.00	\$55.00	\$742.50	\$50.00	\$675.00
144	2575.523 EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	4545	\$1.50	\$6,817.50	\$0.90	\$4,090.50	\$0.94	\$4,272.30	\$1.00	\$4,545.00
145	2575.532 FERTILIZER TYPE 3	POUND	6250	\$1.00	\$6,250.00	\$0.55	\$3,437.50	\$0.50	\$3,125.00	\$0.55	\$3,437.50
146	2575.532 FERTILIZER TYPE 4	POUND	100	\$3.00	\$300.00	\$1.50	\$150.00	\$0.94	\$94.00	\$1.50	\$150.00
147	2575.570 RAPID STABILIZATION METHOD 2	ACRE	2.5	\$1,100.00	\$2,750.00	\$960.00	\$2,400.00	\$1,043.00	\$2,607.50	\$950.00	\$2,375.00
148	2582.501 PAVT MSSG (LT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$400.00	\$3,600.00	\$439.00	\$3,951.00	\$400.00	\$3,600.00
149	2582.501 PAVT MSSG (RT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$400.00	\$3,600.00	\$439.00	\$3,951.00	\$400.00	\$3,600.00
150	2582.502 4" SOLID LINE WHITE-PAINT	LIN FT	19800	\$0.20	\$3,960.00	\$0.26	\$5,148.00	\$0.11	\$2,178.00	\$0.10	\$1,980.00
151	2582.502 4" DOUBLE SOLID LINE YELLOW-PAINT	LIN FT	18150	\$0.40	\$7,260.00	\$0.58	\$10,527.00	\$0.31	\$5,626.50	\$0.28	\$5,082.00
152	2582.502 24" STOP LINE WHITE-PREFORMED THERMOPLASTIC	LIN FT	240	\$8.00	\$1,920.00	\$18.00	\$4,320.00	\$20.00	\$4,800.00	\$18.00	\$4,320.00
153	2582.502 24" SOLID LINE YELLOW-PREFORMED THERMOPLASTIC	LIN FT	1925	\$8.00	\$15,400.00	\$8.00	\$15,400.00	\$9.00	\$17,325.00	\$8.00	\$15,400.00
154	2582.502 4" SOLID LINE WHITE-EPOXY	LIN FT	17610	\$0.50	\$8,805.00	\$0.32	\$5,635.20	\$0.35	\$6,163.50	\$0.32	\$5,635.20
155	2582.502 4" BROKEN LINE WHITE-EPOXY	LIN FT	550	\$0.50	\$275.00	\$0.32	\$176.00	\$0.35	\$192.50	\$0.32	\$176.00
156	2582.502 8" DOTTED LINE WHITE-EPOXY	LIN FT	120	\$0.85	\$102.00	\$3.00	\$360.00	\$3.00	\$360.00	\$3.00	\$360.00
157	2582.502 4" SOLID LINE YELLOW-EPOXY	LIN FT	5270	\$0.50	\$2,635.00	\$0.33	\$1,739.10	\$0.36	\$1,897.20	\$0.33	\$1,739.10
158	2582.502 4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	6810	\$1.00	\$6,810.00	\$0.66	\$4,494.60	\$0.73	\$4,971.30	\$0.66	\$4,494.60
159	2582.503 CROSSWALK MARKING-PREFORMED THERMOPLASTIC	SQ FT	1360	\$12.00	\$16,320.00	\$16.00	\$21,760.00	\$18.00	\$24,480.00	\$16.00	\$21,760.00
Total Base Bid:					\$3,646,702.70		\$3,719,824.85		\$3,795,968.09		\$3,822,606.80
Total Base Bid:					\$3,646,702.70		\$3,719,824.85		\$3,795,968.09		\$3,822,606.80
Totals for Project 01973-00					\$3,646,702.70		\$3,719,824.85		\$3,795,968.09		\$3,822,606.80
% of Estimate for Project 01973-00							2.01%		4.09%		4.82%

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		New Look Contracting, Inc.		Kuechle Underground		Dresel Contracting, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
Base Bid												
1	2021.501	MOBILIZATION	LUMP SUM	1	\$110,000.00	\$110,000.00	\$100,000.00	\$100,000.00	\$93,000.00	\$93,000.00	\$200,000.00	\$200,000.00
2	2031.501	FIELD OFFICE TYPE D	EACH	1	\$15,000.00	\$15,000.00	\$9,500.00	\$9,500.00	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00
3	2101.501	CLEARING	ACRE	0.4	\$2,200.00	\$880.00	\$2,500.00	\$1,000.00	\$1,500.00	\$600.00	\$2,000.00	\$800.00
4	2101.502	CLEARING	TREE	127	\$120.00	\$15,240.00	\$60.00	\$7,620.00	\$50.00	\$6,350.00	\$52.00	\$6,604.00
5	2101.506	GRUBBING	ACRE	0.4	\$1,700.00	\$680.00	\$2,500.00	\$1,000.00	\$1,100.00	\$440.00	\$2,000.00	\$800.00
6	2101.507	GRUBBING	TREE	127	\$80.00	\$10,160.00	\$20.00	\$2,540.00	\$20.00	\$2,540.00	\$50.00	\$6,350.00
7	2104.501	REMOVE METAL CULVERT	LIN FT	532	\$7.00	\$3,724.00	\$6.50	\$3,458.00	\$5.00	\$2,660.00	\$10.00	\$5,320.00
8	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	148	\$12.00	\$1,776.00	\$8.50	\$1,258.00	\$9.00	\$1,332.00	\$12.00	\$1,776.00
9	2104.501	REMOVE SEWER PIPE (SANITARY)	LIN FT	6	\$7.00	\$42.00	\$25.00	\$150.00	\$25.00	\$150.00	\$50.00	\$300.00
10	2104.501	REMOVE STEEL CASING	LIN FT	10	\$65.00	\$650.00	\$50.00	\$500.00	\$74.00	\$740.00	\$50.00	\$500.00
11	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	20800	\$2.00	\$41,600.00	\$2.25	\$46,800.00	\$2.00	\$41,600.00	\$1.00	\$20,800.00
12	2104.509	REMOVE CONCRETE APRON	EACH	3	\$250.00	\$750.00	\$150.00	\$450.00	\$84.00	\$252.00	\$150.00	\$450.00
13	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	1	\$150.00	\$150.00	\$500.00	\$500.00	\$280.00	\$280.00	\$250.00	\$250.00
14	2104.509	REMOVE SIGN TYPE C	EACH	35	\$25.00	\$875.00	\$25.00	\$875.00	\$25.00	\$875.00	\$30.00	\$1,050.00
15	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	1	\$120.00	\$120.00	\$25.00	\$25.00	\$25.00	\$25.00	\$30.00	\$30.00
16	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	970	\$2.50	\$2,425.00	\$1.85	\$1,794.50	\$2.00	\$1,940.00	\$4.00	\$3,880.00
17	2104.521	SALVAGE FENCE	LIN FT	400	\$8.00	\$3,200.00	\$7.00	\$2,800.00	\$7.00	\$2,800.00	\$7.25	\$2,900.00
18	2104.521	SALVAGE METAL CULVERTS	LIN FT	72	\$7.00	\$504.00	\$10.00	\$720.00	\$11.00	\$792.00	\$20.00	\$1,440.00
19	2104.523	SALVAGE GATE VALVE	EACH	1	\$150.00	\$150.00	\$250.00	\$250.00	\$630.00	\$630.00	\$650.00	\$650.00
20	2104.523	SALVAGE HYDRANT	EACH	1	\$300.00	\$300.00	\$500.00	\$500.00	\$630.00	\$630.00	\$1,250.00	\$1,250.00
21	2104.523	SALVAGE METAL APRON	EACH	2	\$250.00	\$500.00	\$150.00	\$300.00	\$75.00	\$150.00	\$200.00	\$400.00
22	2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	2	\$180.00	\$360.00	\$25.00	\$50.00	\$25.00	\$50.00	\$30.00	\$60.00
23	2105.525	TOPSOIL BORROW (CV)	CU YD	500	\$12.00	\$6,000.00	\$16.50	\$8,250.00	\$13.00	\$6,500.00	\$18.00	\$9,000.00
24	2105.601	DEWATERING	LUMP SUM	1	\$20,000.00	\$20,000.00	\$155,000.00	\$155,000.00	\$57,000.00	\$57,000.00	\$82,500.00	\$82,500.00
25	2106.607	EXCAVATION - COMMON	CU YD	34767	\$5.00	\$173,835.00	\$5.75	\$199,910.25	\$3.76	\$130,723.92	\$4.00	\$139,068.00
26	2106.607	COMMON EMBANKMENT (CV)	CU YD	36135	\$2.00	\$72,270.00	\$4.50	\$162,607.50	\$4.91	\$177,422.85	\$5.00	\$180,675.00
27	2106.607	SELECT GRANULAR EMBANKMENT (CV)	CU YD	300	\$8.00	\$2,400.00	\$14.50	\$4,350.00	\$11.00	\$3,300.00	\$12.00	\$3,600.00
28	2112.604	SUBGRADE PREPARATION	SQ YD	44810	\$0.75	\$33,607.50	\$1.10	\$49,291.00	\$0.75	\$33,607.50	\$1.00	\$44,810.00
29	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	40	\$130.00	\$5,200.00	\$115.00	\$4,600.00	\$115.00	\$4,600.00	\$100.00	\$4,000.00
30	2130.501	WATER	M GALLONS	100	\$20.00	\$2,000.00	\$35.00	\$3,500.00	\$50.00	\$5,000.00	\$35.00	\$3,500.00
31	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	14801	\$22.00	\$325,622.00	\$18.95	\$280,478.95	\$20.00	\$296,020.00	\$24.00	\$355,224.00
32	2221.503	AGGREGATE SHOULDERING (CV) CLASS 5 MOD	CU YD	760	\$17.00	\$12,920.00	\$29.50	\$22,420.00	\$21.00	\$15,960.00	\$35.00	\$26,600.00
33	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	8459	\$60.00	\$507,540.00	\$59.57	\$503,902.63	\$61.00	\$515,999.00	\$62.00	\$524,458.00
34	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	5691	\$55.00	\$313,005.00	\$55.07	\$313,403.37	\$58.00	\$330,078.00	\$56.00	\$318,696.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		New Look Contracting, Inc.		Kuechle Underground		Dresel Contracting, Inc.	
Item No.	Item		Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
35	2501.511	15" CS PIPE CULVERT	LIN FT	80	\$30.00	\$2,400.00	\$20.00	\$1,600.00	\$23.00	\$1,840.00	\$35.00	\$2,800.00
36	2501.511	15" RC PIPE CULVERT CLASS V	LIN FT	196	\$27.00	\$5,292.00	\$22.00	\$4,312.00	\$31.00	\$6,076.00	\$24.00	\$4,704.00
37	2501.511	18" RC PIPE CULVERT CLASS III	LIN FT	103	\$32.00	\$3,296.00	\$25.00	\$2,575.00	\$32.00	\$3,296.00	\$28.00	\$2,884.00
38	2501.511	21" RC PIPE CULVERT CLASS III	LIN FT	155	\$34.00	\$5,270.00	\$27.50	\$4,262.50	\$34.00	\$5,270.00	\$35.00	\$5,425.00
39	2501.511	24" RC PIPE CULVERT CLASS III	LIN FT	188	\$40.00	\$7,520.00	\$30.00	\$5,640.00	\$40.00	\$7,520.00	\$40.00	\$7,520.00
40	2501.515	15" RC PIPE APRON	EACH	3	\$200.00	\$600.00	\$550.00	\$1,650.00	\$530.00	\$1,590.00	\$450.00	\$1,350.00
41	2501.515	18" RC PIPE APRON	EACH	3	\$300.00	\$900.00	\$600.00	\$1,800.00	\$550.00	\$1,650.00	\$500.00	\$1,500.00
42	2501.515	21" RC PIPE APRON	EACH	2	\$375.00	\$750.00	\$700.00	\$1,400.00	\$570.00	\$1,140.00	\$500.00	\$1,000.00
43	2501.515	24" RC PIPE APRON	EACH	4	\$400.00	\$1,600.00	\$800.00	\$3,200.00	\$670.00	\$2,680.00	\$525.00	\$2,100.00
44	2501.515	36" RC PIPE APRON	EACH	2	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00	\$930.00	\$1,860.00	\$850.00	\$1,700.00
45	2501.521	44" SPAN RC PIPE-ARCH CULVERT CLASS IIA	LIN FT	231	\$120.00	\$27,720.00	\$82.00	\$18,942.00	\$107.00	\$24,717.00	\$90.00	\$20,790.00
46	2501.525	28" SPAN RC PIPE-ARCH APRON	EACH	2	\$800.00	\$1,600.00	\$750.00	\$1,500.00	\$680.00	\$1,360.00	\$650.00	\$1,300.00
47	2501.525	36" SPAN RC PIPE-ARCH APRON	EACH	1	\$1,100.00	\$1,100.00	\$950.00	\$950.00	\$810.00	\$810.00	\$850.00	\$850.00
48	2501.525	44" SPAN RC PIPE-ARCH APRON	EACH	4	\$1,200.00	\$4,800.00	\$1,150.00	\$4,600.00	\$930.00	\$3,720.00	\$900.00	\$3,600.00
49	2501.569	15" CS SAFETY APRON	EACH	2	\$500.00	\$1,000.00	\$150.00	\$300.00	\$550.00	\$1,100.00	\$250.00	\$500.00
50	2501.569	15" RC SAFETY APRON	EACH	5	\$600.00	\$3,000.00	\$700.00	\$3,500.00	\$560.00	\$2,800.00	\$465.00	\$2,325.00
51	2501.569	18" RC SAFETY APRON	EACH	2	\$700.00	\$1,400.00	\$800.00	\$1,600.00	\$600.00	\$1,200.00	\$565.00	\$1,130.00
52	2501.571	INSTALL METAL CULVERT	LIN FT	72	\$40.00	\$2,880.00	\$15.00	\$1,080.00	\$10.00	\$720.00	\$20.00	\$1,440.00
53	2501.573	INSTALL METAL APRON	EACH	2	\$450.00	\$900.00	\$100.00	\$200.00	\$35.00	\$70.00	\$200.00	\$400.00
54	2501.602	TRASH GUARD FOR 18" PIPE APRON	EACH	2	\$250.00	\$500.00	\$325.00	\$650.00	\$180.00	\$360.00	\$385.00	\$770.00
55	2501.602	TRASH GUARD FOR 24" PIPE APRON	EACH	1	\$300.00	\$300.00	\$475.00	\$475.00	\$260.00	\$260.00	\$425.00	\$425.00
56	2501.602	TRASH GUARD FOR 36" PIPE APRON	EACH	2	\$450.00	\$900.00	\$575.00	\$1,150.00	\$440.00	\$880.00	\$600.00	\$1,200.00
57	2501.602	TRASH GUARD FOR 28" SPAN PIPE APRON	EACH	2	\$650.00	\$1,300.00	\$475.00	\$950.00	\$510.00	\$1,020.00	\$450.00	\$900.00
58	2501.602	TRASH GUARD FOR 36" SPAN PIPE APRON	EACH	1	\$850.00	\$850.00	\$525.00	\$525.00	\$700.00	\$700.00	\$550.00	\$550.00
59	2501.602	TRASH GUARD FOR 44" SPAN PIPE APRON	EACH	4	\$1,000.00	\$4,000.00	\$550.00	\$2,200.00	\$730.00	\$2,920.00	\$600.00	\$2,400.00
60	2503.521	28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	325	\$65.00	\$21,125.00	\$52.00	\$16,900.00	\$65.00	\$21,125.00	\$62.00	\$20,150.00
61	2503.521	36" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	65	\$95.00	\$6,175.00	\$70.00	\$4,550.00	\$89.00	\$5,785.00	\$90.00	\$5,850.00
62	2503.541	15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	2912	\$25.00	\$72,800.00	\$22.00	\$64,064.00	\$38.00	\$110,656.00	\$22.00	\$64,064.00
63	2503.541	18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1395	\$30.00	\$41,850.00	\$25.00	\$34,875.00	\$39.00	\$54,405.00	\$26.00	\$36,270.00
64	2503.541	21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	921	\$32.00	\$29,472.00	\$27.50	\$25,327.50	\$45.00	\$41,445.00	\$33.00	\$30,393.00
65	2503.541	24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	996	\$39.00	\$38,844.00	\$30.00	\$29,880.00	\$47.00	\$46,812.00	\$34.00	\$33,864.00
66	2503.541	36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	710	\$70.00	\$49,700.00	\$65.00	\$46,150.00	\$78.00	\$55,380.00	\$68.00	\$48,280.00
67	2503.602	CONNECT TO EXISTING SANITARY SEWER	EACH	1	\$750.00	\$750.00	\$250.00	\$250.00	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
68	2503.602	CONNECT TO EXISTING STORM SEWER	EACH	1	\$600.00	\$600.00	\$500.00	\$500.00	\$1,300.00	\$1,300.00	\$850.00	\$850.00
69	2503.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1	\$800.00	\$800.00	\$600.00	\$600.00	\$1,500.00	\$1,500.00	\$850.00	\$850.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		New Look Contracting, Inc.		Kuechle Underground		Dresel Contracting, Inc.	
Item No.	Item		Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
70	2503.602	8" PIPE PLUG	EACH	1	\$100.00	\$100.00	\$50.00	\$50.00	\$65.00	\$65.00	\$50.00	\$50.00
71	2503.602	15" PIPE PLUG	EACH	7	\$300.00	\$2,100.00	\$200.00	\$1,400.00	\$210.00	\$1,470.00	\$150.00	\$1,050.00
72	2503.602	18" PIPE PLUG	EACH	1	\$350.00	\$350.00	\$275.00	\$275.00	\$220.00	\$220.00	\$250.00	\$250.00
73	2503.602	21" PIPE PLUG	EACH	1	\$400.00	\$400.00	\$500.00	\$500.00	\$420.00	\$420.00	\$500.00	\$500.00
74	2503.603	8" PVC PIPE SEWER	LIN FT	65	\$29.00	\$1,885.00	\$20.00	\$1,300.00	\$40.00	\$2,600.00	\$25.00	\$1,625.00
75	2503.603	18" PVC PIPE SEWER	LIN FT	2724	\$52.00	\$141,648.00	\$50.00	\$136,200.00	\$67.00	\$182,508.00	\$48.00	\$130,752.00
76	2503.603	21" PVC PIPE SEWER	LIN FT	1312	\$58.00	\$76,096.00	\$63.00	\$82,656.00	\$78.00	\$102,336.00	\$63.00	\$82,656.00
77	2503.603	24" PVC PIPE SEWER	LIN FT	1431	\$64.00	\$91,584.00	\$80.00	\$114,480.00	\$93.00	\$133,083.00	\$75.00	\$107,325.00
78	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	2	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00
79	2504.602	HYDRANT	EACH	7	\$2,700.00	\$18,900.00	\$3,250.00	\$22,750.00	\$3,300.00	\$23,100.00	\$3,500.00	\$24,500.00
80	2504.602	INSTALL HYDRANT	EACH	1	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,300.00	\$1,300.00	\$1,500.00	\$1,500.00
81	2504.602	INSTALL GATE VALVE	EACH	1	\$300.00	\$300.00	\$350.00	\$350.00	\$460.00	\$460.00	\$1,500.00	\$1,500.00
82	2504.602	ADJUST GATE VALVE AND BOX	EACH	5	\$200.00	\$1,000.00	\$250.00	\$1,250.00	\$150.00	\$750.00	\$200.00	\$1,000.00
83	2504.602	16" BUTTERFLY VALVE AND BOX	EACH	6	\$3,000.00	\$18,000.00	\$3,250.00	\$19,500.00	\$3,100.00	\$18,600.00	\$4,000.00	\$24,000.00
84	2504.602	24" BUTTERFLY VALVE	EACH	1	\$4,500.00	\$4,500.00	\$6,600.00	\$6,600.00	\$5,800.00	\$5,800.00	\$6,500.00	\$6,500.00
85	2504.602	6" GATE VALVE AND BOX	EACH	7	\$1,000.00	\$7,000.00	\$1,400.00	\$9,800.00	\$1,300.00	\$9,100.00	\$1,800.00	\$12,600.00
86	2504.602	8" GATE VALVE AND BOX	EACH	2	\$1,200.00	\$2,400.00	\$1,900.00	\$3,800.00	\$1,800.00	\$3,600.00	\$2,000.00	\$4,000.00
87	2504.603	6" WATER MAIN-DUCT IRON CL 53	LIN FT	135	\$28.00	\$3,780.00	\$31.50	\$4,252.50	\$41.00	\$5,535.00	\$30.00	\$4,050.00
88	2504.603	8" WATER MAIN-DUCT IRON CL 52	LIN FT	169	\$38.00	\$6,422.00	\$32.00	\$5,408.00	\$41.00	\$6,929.00	\$30.00	\$5,070.00
89	2504.603	16" WATER MAIN-DUCT IRON CL 52	LIN FT	2768	\$44.00	\$121,792.00	\$68.00	\$188,224.00	\$69.00	\$190,992.00	\$65.00	\$179,920.00
90	2504.603	24" WATER MAIN-DUCT IRON CL 52	LIN FT	140	\$56.00	\$7,840.00	\$105.00	\$14,700.00	\$112.00	\$15,680.00	\$125.00	\$17,500.00
91	2504.604	6" POLYSTYRENE INSULATION	SQ YD	11	\$80.00	\$880.00	\$75.00	\$825.00	\$54.00	\$594.00	\$20.00	\$220.00
92	2504.608	DUCTILE IRON FITTINGS	POUND	9825	\$3.00	\$29,475.00	\$3.75	\$36,843.75	\$3.21	\$31,538.25	\$2.50	\$24,562.50
93	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	214.4	\$240.00	\$51,456.00	\$200.00	\$42,880.00	\$190.00	\$40,736.00	\$165.00	\$35,376.00
94	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD	LIN FT	91.1	\$300.00	\$27,330.00	\$285.00	\$25,963.50	\$450.00	\$40,995.00	\$200.00	\$18,220.00
95	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	4	\$450.00	\$1,800.00	\$350.00	\$1,400.00	\$520.00	\$2,080.00	\$250.00	\$1,000.00
96	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-42	LIN FT	7.8	\$600.00	\$4,680.00	\$450.00	\$3,510.00	\$640.00	\$4,992.00	\$365.00	\$2,847.00
97	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	128.7	\$250.00	\$32,175.00	\$215.00	\$27,670.50	\$380.00	\$48,906.00	\$200.00	\$25,740.00
98	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	31.3	\$300.00	\$9,390.00	\$320.00	\$10,016.00	\$450.00	\$14,085.00	\$310.00	\$9,703.00
99	2506.501	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	4.9	\$350.00	\$1,715.00	\$510.00	\$2,499.00	\$600.00	\$2,940.00	\$420.00	\$2,058.00
100	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	EACH	1	\$7,000.00	\$7,000.00	\$4,250.00	\$4,250.00	\$4,300.00	\$4,300.00	\$4,125.00	\$4,125.00
101	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	EACH	11	\$1,000.00	\$11,000.00	\$950.00	\$10,450.00	\$1,200.00	\$13,200.00	\$850.00	\$9,350.00
102	2506.516	CASTING ASSEMBLY	EACH	73	\$500.00	\$36,500.00	\$975.00	\$71,175.00	\$880.00	\$64,240.00	\$825.00	\$60,225.00
103	2506.516	CASTING ASSEMBLY	EACH	18	\$400.00	\$7,200.00	\$680.00	\$12,240.00	\$450.00	\$8,100.00	\$825.00	\$14,850.00
104	2511.501	RANDOM RIPRAP CLASS II	CU YD	84.2	\$100.00	\$8,420.00	\$90.00	\$7,578.00	\$71.00	\$5,978.20	\$85.00	\$7,157.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		New Look Contracting, Inc.		Kuechle Underground		Dresel Contracting, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
105	2511.501	RANDOM RIPRAP CLASS III	CU YD	6.3	\$200.00	\$1,260.00	\$90.00	\$567.00	\$71.00	\$447.30	\$125.00	\$787.50
106	2511.501	RANDOM RIPRAP CLASS IV	CU YD	6	\$200.00	\$1,200.00	\$90.00	\$540.00	\$71.00	\$426.00	\$150.00	\$900.00
107	2521.501	4" CONCRETE WALK	SQ FT	26523	\$3.00	\$79,569.00	\$2.75	\$72,938.25	\$2.65	\$70,285.95	\$3.75	\$99,461.25
108	2521.511	2" BITUMINOUS WALK	SQ FT	104909	\$1.30	\$136,381.70	\$1.07	\$112,252.63	\$0.82	\$86,025.38	\$1.65	\$173,099.85
109	2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	2477	\$10.00	\$24,770.00	\$9.05	\$22,416.85	\$9.20	\$22,788.40	\$9.25	\$22,912.25
110	2531.501	CONCRETE CURB & GUTTER DESIGN B418 (MOD)	LIN FT	108	\$12.00	\$1,296.00	\$16.00	\$1,728.00	\$11.00	\$1,188.00	\$16.50	\$1,782.00
111	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	4008	\$13.00	\$52,104.00	\$10.25	\$41,082.00	\$11.00	\$44,088.00	\$10.50	\$42,084.00
112	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	4146	\$12.00	\$49,752.00	\$9.10	\$37,728.60	\$9.20	\$38,143.20	\$9.25	\$38,350.50
113	2531.501	CONCRETE CURB & GUTTER DESIGN B618 (MODIFIED)	LIN FT	60	\$15.00	\$900.00	\$16.00	\$960.00	\$11.00	\$660.00	\$17.00	\$1,020.00
114	2531.507	6" CONCRETE PAVEMENT	SQ YD	24	\$60.00	\$1,440.00	\$54.00	\$1,296.00	\$42.00	\$1,008.00	\$60.00	\$1,440.00
115	2531.602	CONCRETE MEDIAN NOSE DESIGN 7109	EACH	3	\$500.00	\$1,500.00	\$300.00	\$900.00	\$275.00	\$825.00	\$400.00	\$1,200.00
116	2531.602	CONC ENTRANCE NOSE DES 7113	EACH	5	\$500.00	\$2,500.00	\$275.00	\$1,375.00	\$250.00	\$1,250.00	\$350.00	\$1,750.00
117	2531.618	TRUNCATED DOMES	SQ FT	96	\$40.00	\$3,840.00	\$30.00	\$2,880.00	\$30.00	\$2,880.00	\$35.00	\$3,360.00
118	2533.507	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	2705	\$15.00	\$40,575.00	\$13.50	\$36,517.50	\$15.00	\$40,575.00	\$15.00	\$40,575.00
119	2533.508	RELOCATE PORTABLE PRECAST CONC BARRIER DESIGN 8337	LIN FT	1730	\$4.00	\$6,920.00	\$3.00	\$5,190.00	\$3.50	\$6,055.00	\$4.00	\$6,920.00
120	2540.602	PROTECT MAIL BOX	EACH	1	\$100.00	\$100.00	\$75.00	\$75.00	\$200.00	\$200.00	\$125.00	\$125.00
121	2554.615	IMPACT ATTENUATOR	ASSEMBLY	6	\$3,000.00	\$18,000.00	\$2,400.00	\$14,400.00	\$2,700.00	\$16,200.00	\$2,800.00	\$16,800.00
122	2554.615	RELOCATE IMPACT ATTENUATOR	ASSEMBLY	4	\$750.00	\$3,000.00	\$400.00	\$1,600.00	\$750.00	\$3,000.00	\$825.00	\$3,300.00
123	2557.603	INSTALL WOODEN FENCE	LIN FT	400	\$10.00	\$4,000.00	\$31.00	\$12,400.00	\$31.00	\$12,400.00	\$32.00	\$12,800.00
124	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$80,000.00	\$80,000.00	\$11,000.00	\$11,000.00	\$16,000.00	\$16,000.00	\$18,500.00	\$18,500.00
125	2563.602	RAISED PAVEMENT MARKER TEMPORARY	EACH	925	\$2.00	\$1,850.00	\$1.40	\$1,295.00	\$1.50	\$1,387.50	\$2.00	\$1,850.00
126	2564.531	SIGN PANELS TYPE C	SQ FT	428.9	\$30.00	\$12,867.00	\$31.00	\$13,295.90	\$29.00	\$12,438.10	\$30.00	\$12,867.00
127	2564.537	INSTALL SIGN TYPE SPECIAL	EACH	2	\$150.00	\$300.00	\$100.00	\$200.00	\$125.00	\$250.00	\$135.00	\$270.00
128	2564.550	DELINEATOR TYPE X4-13	EACH	3	\$50.00	\$150.00	\$45.00	\$135.00	\$50.00	\$150.00	\$55.00	\$165.00
129	2564.552	HAZARD MARKER X4-2	EACH	7	\$50.00	\$350.00	\$65.00	\$455.00	\$65.00	\$455.00	\$70.00	\$490.00
130	2564.554	SNOW PLOW MARKER X4-5	EACH	7	\$50.00	\$350.00	\$75.00	\$525.00	\$65.00	\$455.00	\$55.00	\$385.00
131	2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	1	\$220,000.00	\$220,000.00	\$264,150.00	\$264,150.00	\$245,000.00	\$245,000.00	\$275,000.00	\$275,000.00
132	2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$10,000.00	\$10,000.00	\$11,620.00	\$11,620.00	\$40,000.00	\$40,000.00	\$6,500.00	\$6,500.00
133	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	2615	\$2.00	\$5,230.00	\$1.55	\$4,053.25	\$1.55	\$4,053.25	\$1.65	\$4,314.75
134	2573.530	STORM DRAIN INLET PROTECTION	EACH	64	\$250.00	\$16,000.00	\$125.00	\$8,000.00	\$300.00	\$19,200.00	\$125.00	\$8,000.00
135	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	654	\$4.00	\$2,616.00	\$2.79	\$1,824.66	\$2.79	\$1,824.66	\$3.00	\$1,962.00
136	2573.602	CULVERT PROTECTION	EACH	13	\$250.00	\$3,250.00	\$200.00	\$2,600.00	\$150.00	\$1,950.00	\$125.00	\$1,625.00
137	2575.501	SEEDING	ACRE	15.5	\$200.00	\$3,100.00	\$150.00	\$2,325.00	\$150.00	\$2,325.00	\$130.00	\$2,015.00
138	2575.502	SEED MIXTURE 240	POUND	900	\$1.50	\$1,350.00	\$2.95	\$2,655.00	\$3.00	\$2,700.00	\$2.00	\$1,800.00
139	2575.502	SEED MIXTURE 260	POUND	470	\$2.00	\$940.00	\$2.45	\$1,151.50	\$2.45	\$1,151.50	\$2.00	\$940.00

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions				Engineers Estimate		New Look Contracting, Inc.		Kuechle Underground		Dresel Contracting, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
140	2575.502 SEED MIXTURE 310	POUND	30	\$3.00	\$90.00	\$15.79	\$473.70	\$16.00	\$480.00	\$15.00	\$450.00
141	2575.502 SEED MIXTURE 350	POUND	50	\$2.50	\$125.00	\$4.95	\$247.50	\$5.00	\$250.00	\$5.00	\$250.00
142	2575.511 MULCH MATERIAL TYPE 1	TON	32	\$200.00	\$6,400.00	\$120.00	\$3,840.00	\$120.00	\$3,840.00	\$185.00	\$5,920.00
143	2575.519 DISK ANCHORING	ACRE	13.5	\$150.00	\$2,025.00	\$50.00	\$675.00	\$50.00	\$675.00	\$55.00	\$742.50
144	2575.523 EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	4545	\$1.50	\$6,817.50	\$0.90	\$4,090.50	\$0.90	\$4,090.50	\$1.00	\$4,545.00
145	2575.532 FERTILIZER TYPE 3	POUND	6250	\$1.00	\$6,250.00	\$0.55	\$3,437.50	\$0.55	\$3,437.50	\$0.50	\$3,125.00
146	2575.532 FERTILIZER TYPE 4	POUND	100	\$3.00	\$300.00	\$1.50	\$150.00	\$1.50	\$150.00	\$1.00	\$100.00
147	2575.570 RAPID STABILIZATION METHOD 2	ACRE	2.5	\$1,100.00	\$2,750.00	\$960.00	\$2,400.00	\$960.00	\$2,400.00	\$1,000.00	\$2,500.00
148	2582.501 PAVT MSSG (LT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$400.00	\$3,600.00	\$400.00	\$3,600.00	\$450.00	\$4,050.00
149	2582.501 PAVT MSSG (RT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$400.00	\$3,600.00	\$400.00	\$3,600.00	\$450.00	\$4,050.00
150	2582.502 4" SOLID LINE WHITE-PAINT	LIN FT	19800	\$0.20	\$3,960.00	\$0.10	\$1,980.00	\$0.10	\$1,980.00	\$0.13	\$2,574.00
151	2582.502 4" DOUBLE SOLID LINE YELLOW-PAINT	LIN FT	18150	\$0.40	\$7,260.00	\$0.28	\$5,082.00	\$0.28	\$5,082.00	\$0.33	\$5,989.50
152	2582.502 24" STOP LINE WHITE-PREFORMED THERMOPLASTIC	LIN FT	240	\$8.00	\$1,920.00	\$18.00	\$4,320.00	\$18.00	\$4,320.00	\$20.00	\$4,800.00
153	2582.502 24" SOLID LINE YELLOW-PREFORMED THERMOPLASTIC	LIN FT	1925	\$8.00	\$15,400.00	\$8.00	\$15,400.00	\$8.00	\$15,400.00	\$9.00	\$17,325.00
154	2582.502 4" SOLID LINE WHITE-EPOXY	LIN FT	17610	\$0.50	\$8,805.00	\$0.32	\$5,635.20	\$0.32	\$5,635.20	\$0.35	\$6,163.50
155	2582.502 4" BROKEN LINE WHITE-EPOXY	LIN FT	550	\$0.50	\$275.00	\$0.32	\$176.00	\$0.32	\$176.00	\$0.35	\$192.50
156	2582.502 8" DOTTED LINE WHITE-EPOXY	LIN FT	120	\$0.85	\$102.00	\$3.00	\$360.00	\$3.00	\$360.00	\$3.15	\$378.00
157	2582.502 4" SOLID LINE YELLOW-EPOXY	LIN FT	5270	\$0.50	\$2,635.00	\$0.33	\$1,739.10	\$0.33	\$1,739.10	\$0.37	\$1,949.90
158	2582.502 4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	6810	\$1.00	\$6,810.00	\$0.66	\$4,494.60	\$0.66	\$4,494.60	\$0.80	\$5,448.00
159	2582.503 CROSSWALK MARKING-PREFORMED THERMOPLASTIC	SQ FT	1360	\$12.00	\$16,320.00	\$16.00	\$21,760.00	\$16.00	\$21,760.00	\$17.00	\$23,120.00
Total Base Bid:						\$3,646,702.70		\$3,828,751.69		\$3,937,001.86	\$3,991,680.50
Total Base Bid:						\$3,646,702.70		\$3,828,751.69		\$3,937,001.86	\$3,991,680.50
Totals for Project 01973-00						\$3,646,702.70		\$3,828,751.69		\$3,937,001.86	\$3,991,680.50
% of Estimate for Project 01973-00							4.99%		7.96%		9.46%


Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions				Engineers Estimate		Burschville Construction, Inc.		Northwest Asphalt, Inc.		S. R. Weidema, Inc.		
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
Base Bid												
1	2021.501	MOBILIZATION	LUMP SUM	1	\$110,000.00	\$110,000.00	\$113,000.00	\$113,000.00	\$130,458.00	\$130,458.00	\$115,000.00	\$115,000.00
2	2031.501	FIELD OFFICE TYPE D	EACH	1	\$15,000.00	\$15,000.00	\$50,000.00	\$50,000.00	\$12,500.00	\$12,500.00	\$12,200.00	\$12,200.00
3	2101.501	CLEARING	ACRE	0.4	\$2,200.00	\$880.00	\$1,600.00	\$640.00	\$1,200.00	\$480.00	\$1,500.00	\$600.00
4	2101.502	CLEARING	TREE	127	\$120.00	\$15,240.00	\$50.00	\$6,350.00	\$60.00	\$7,620.00	\$65.00	\$8,255.00
5	2101.506	GRUBBING	ACRE	0.4	\$1,700.00	\$680.00	\$1,100.00	\$440.00	\$1,200.00	\$480.00	\$1,500.00	\$600.00
6	2101.507	GRUBBING	TREE	127	\$80.00	\$10,160.00	\$25.00	\$3,175.00	\$20.00	\$2,540.00	\$20.00	\$2,540.00
7	2104.501	REMOVE METAL CULVERT	LIN FT	532	\$7.00	\$3,724.00	\$6.00	\$3,192.00	\$3.50	\$1,862.00	\$5.65	\$3,005.80
8	2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	148	\$12.00	\$1,776.00	\$10.00	\$1,480.00	\$5.00	\$740.00	\$10.00	\$1,480.00
9	2104.501	REMOVE SEWER PIPE (SANITARY)	LIN FT	6	\$7.00	\$42.00	\$100.00	\$600.00	\$15.00	\$90.00	\$117.00	\$702.00
10	2104.501	REMOVE STEEL CASING	LIN FT	10	\$65.00	\$650.00	\$100.00	\$1,000.00	\$20.00	\$200.00	\$140.00	\$1,400.00
11	2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	20800	\$2.00	\$41,600.00	\$2.75	\$57,200.00	\$0.75	\$15,600.00	\$2.00	\$41,600.00
12	2104.509	REMOVE CONCRETE APRON	EACH	3	\$250.00	\$750.00	\$300.00	\$900.00	\$250.00	\$750.00	\$200.00	\$600.00
13	2104.509	REMOVE DRAINAGE STRUCTURE	EACH	1	\$150.00	\$150.00	\$400.00	\$400.00	\$500.00	\$500.00	\$250.00	\$250.00
14	2104.509	REMOVE SIGN TYPE C	EACH	35	\$25.00	\$875.00	\$26.00	\$910.00	\$20.00	\$700.00	\$25.00	\$875.00
15	2104.509	REMOVE SIGN TYPE SPECIAL	EACH	1	\$120.00	\$120.00	\$30.00	\$30.00	\$45.00	\$45.00	\$25.00	\$25.00
16	2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	970	\$2.50	\$2,425.00	\$3.50	\$3,395.00	\$3.00	\$2,910.00	\$3.35	\$3,249.50
17	2104.521	SALVAGE FENCE	LIN FT	400	\$8.00	\$3,200.00	\$8.00	\$3,200.00	\$10.00	\$4,000.00	\$7.00	\$2,800.00
18	2104.521	SALVAGE METAL CULVERTS	LIN FT	72	\$7.00	\$504.00	\$20.00	\$1,440.00	\$4.00	\$288.00	\$13.00	\$936.00
19	2104.523	SALVAGE GATE VALVE	EACH	1	\$150.00	\$150.00	\$500.00	\$500.00	\$100.00	\$100.00	\$177.00	\$177.00
20	2104.523	SALVAGE HYDRANT	EACH	1	\$300.00	\$300.00	\$750.00	\$750.00	\$200.00	\$200.00	\$355.00	\$355.00
21	2104.523	SALVAGE METAL APRON	EACH	2	\$250.00	\$500.00	\$100.00	\$200.00	\$75.00	\$150.00	\$57.00	\$114.00
22	2104.523	SALVAGE SIGN TYPE SPECIAL	EACH	2	\$180.00	\$360.00	\$30.00	\$60.00	\$45.00	\$90.00	\$25.00	\$50.00
23	2105.525	TOPSOIL BORROW (CV)	CU YD	500	\$12.00	\$6,000.00	\$14.00	\$7,000.00	\$29.00	\$14,500.00	\$15.60	\$7,800.00
24	2105.601	DEWATERING	LUMP SUM	1	\$20,000.00	\$20,000.00	\$189,000.00	\$189,000.00	\$135,615.00	\$135,615.00	\$160,000.00	\$160,000.00
25	2106.607	EXCAVATION - COMMON	CU YD	34767	\$5.00	\$173,835.00	\$6.25	\$217,293.75	\$6.00	\$208,602.00	\$4.00	\$139,068.00
26	2106.607	COMMON EMBANKMENT (CV)	CU YD	36135	\$2.00	\$72,270.00	\$4.50	\$162,607.50	\$13.00	\$469,755.00	\$7.50	\$271,012.50
27	2106.607	SELECT GRANULAR EMBANKMENT (CV)	CU YD	300	\$8.00	\$2,400.00	\$14.10	\$4,230.00	\$15.00	\$4,500.00	\$20.25	\$6,075.00
28	2112.604	SUBGRADE PREPARATION	SQ YD	44810	\$0.75	\$33,607.50	\$0.70	\$31,367.00	\$0.60	\$26,886.00	\$1.16	\$51,979.60
29	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	40	\$130.00	\$5,200.00	\$100.00	\$4,000.00	\$135.00	\$5,400.00	\$125.00	\$5,000.00
30	2130.501	WATER	M GALLONS	100	\$20.00	\$2,000.00	\$27.00	\$2,700.00	\$50.00	\$5,000.00	\$33.00	\$3,300.00
31	2211.503	AGGREGATE BASE (CV) CLASS 5 MODIFIED	CU YD	14801	\$22.00	\$325,622.00	\$18.70	\$276,778.70	\$23.95	\$354,483.95	\$23.50	\$347,823.50
32	2221.503	AGGREGATE SHOULDERING (CV) CLASS 5 MOD	CU YD	760	\$17.00	\$12,920.00	\$22.00	\$16,720.00	\$31.20	\$23,712.00	\$30.00	\$22,800.00
33	2360.501	TYPE SP 12.5 WEARING COURSE MIXTURE (4,C)	TON	8459	\$60.00	\$507,540.00	\$61.80	\$522,766.20	\$61.40	\$519,382.60	\$59.60	\$504,156.40
34	2360.502	TYPE SP 12.5 NON WEARING COURSE MIXTURE (4,B)	TON	5691	\$55.00	\$313,005.00	\$55.00	\$313,005.00	\$60.40	\$343,736.40	\$58.35	\$332,069.85

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		Burschville Construction, Inc.		Northwest Asphalt, Inc.		S. R. Weidema, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
35	2501.511 15" CS PIPE CULVERT	LIN FT	80	\$30.00	\$2,400.00	\$24.00	\$1,920.00	\$26.25	\$2,100.00	\$33.00	\$2,640.00	
36	2501.511 15" RC PIPE CULVERT CLASS V	LIN FT	196	\$27.00	\$5,292.00	\$23.00	\$4,508.00	\$30.59	\$5,995.64	\$27.00	\$5,292.00	
37	2501.511 18" RC PIPE CULVERT CLASS III	LIN FT	103	\$32.00	\$3,296.00	\$28.00	\$2,884.00	\$32.20	\$3,316.60	\$28.00	\$2,884.00	
38	2501.511 21" RC PIPE CULVERT CLASS III	LIN FT	155	\$34.00	\$5,270.00	\$35.50	\$5,502.50	\$34.04	\$5,276.20	\$30.00	\$4,650.00	
39	2501.511 24" RC PIPE CULVERT CLASS III	LIN FT	188	\$40.00	\$7,520.00	\$37.00	\$6,956.00	\$35.37	\$6,649.56	\$32.00	\$6,016.00	
40	2501.515 15" RC PIPE APRON	EACH	3	\$200.00	\$600.00	\$363.00	\$1,089.00	\$445.00	\$1,335.00	\$175.00	\$525.00	
41	2501.515 18" RC PIPE APRON	EACH	3	\$300.00	\$900.00	\$409.00	\$1,227.00	\$466.00	\$1,398.00	\$215.00	\$645.00	
42	2501.515 21" RC PIPE APRON	EACH	2	\$375.00	\$750.00	\$453.00	\$906.00	\$497.00	\$994.00	\$250.00	\$500.00	
43	2501.515 24" RC PIPE APRON	EACH	4	\$400.00	\$1,600.00	\$498.00	\$1,992.00	\$468.00	\$1,872.00	\$270.00	\$1,080.00	
44	2501.515 36" RC PIPE APRON	EACH	2	\$1,000.00	\$2,000.00	\$990.00	\$1,980.00	\$809.00	\$1,618.00	\$410.00	\$820.00	
45	2501.521 44" SPAN RC PIPE-ARCH CULVERT CLASS IIA	LIN FT	231	\$120.00	\$27,720.00	\$85.00	\$19,635.00	\$77.58	\$17,920.98	\$76.40	\$17,648.40	
46	2501.525 28" SPAN RC PIPE-ARCH APRON	EACH	2	\$800.00	\$1,600.00	\$475.00	\$950.00	\$518.00	\$1,036.00	\$385.00	\$770.00	
47	2501.525 36" SPAN RC PIPE-ARCH APRON	EACH	1	\$1,100.00	\$1,100.00	\$735.00	\$735.00	\$810.00	\$810.00	\$450.00	\$450.00	
48	2501.525 44" SPAN RC PIPE-ARCH APRON	EACH	4	\$1,200.00	\$4,800.00	\$975.00	\$3,900.00	\$906.00	\$3,624.00	\$525.00	\$2,100.00	
49	2501.569 15" CS SAFETY APRON	EACH	2	\$500.00	\$1,000.00	\$400.00	\$800.00	\$225.00	\$450.00	\$355.00	\$710.00	
50	2501.569 15" RC SAFETY APRON	EACH	5	\$600.00	\$3,000.00	\$431.00	\$2,155.00	\$471.00	\$2,355.00	\$418.00	\$2,090.00	
51	2501.569 18" RC SAFETY APRON	EACH	2	\$700.00	\$1,400.00	\$506.00	\$1,012.00	\$509.00	\$1,018.00	\$500.00	\$1,000.00	
52	2501.571 INSTALL METAL CULVERT	LIN FT	72	\$40.00	\$2,880.00	\$20.00	\$1,440.00	\$20.00	\$1,440.00	\$16.10	\$1,159.20	
53	2501.573 INSTALL METAL APRON	EACH	2	\$450.00	\$900.00	\$100.00	\$200.00	\$100.00	\$200.00	\$165.00	\$330.00	
54	2501.602 TRASH GUARD FOR 18" PIPE APRON	EACH	2	\$250.00	\$500.00	\$315.00	\$630.00	\$230.00	\$460.00	\$155.00	\$310.00	
55	2501.602 TRASH GUARD FOR 24" PIPE APRON	EACH	1	\$300.00	\$300.00	\$475.00	\$475.00	\$492.00	\$492.00	\$240.00	\$240.00	
56	2501.602 TRASH GUARD FOR 36" PIPE APRON	EACH	2	\$450.00	\$900.00	\$845.00	\$1,690.00	\$811.00	\$1,622.00	\$358.00	\$716.00	
57	2501.602 TRASH GUARD FOR 28" SPAN PIPE APRON	EACH	2	\$650.00	\$1,300.00	\$465.00	\$930.00	\$605.00	\$1,210.00	\$225.00	\$450.00	
58	2501.602 TRASH GUARD FOR 36" SPAN PIPE APRON	EACH	1	\$850.00	\$850.00	\$705.00	\$705.00	\$623.00	\$623.00	\$295.00	\$295.00	
59	2501.602 TRASH GUARD FOR 44" SPAN PIPE APRON	EACH	4	\$1,000.00	\$4,000.00	\$752.00	\$3,008.00	\$848.00	\$3,392.00	\$467.00	\$1,868.00	
60	2503.521 28" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	325	\$65.00	\$21,125.00	\$58.25	\$18,931.25	\$46.04	\$14,963.00	\$60.00	\$19,500.00	
61	2503.521 36" SPAN RC PIPE-ARCH SEWER CLASS IIA	LIN FT	65	\$95.00	\$6,175.00	\$74.00	\$4,810.00	\$59.48	\$3,866.20	\$70.00	\$4,550.00	
62	2503.541 15" RC PIPE SEWER DESIGN 3006 CLASS V	LIN FT	2912	\$25.00	\$72,800.00	\$22.00	\$64,064.00	\$29.18	\$84,972.16	\$35.00	\$101,920.00	
63	2503.541 18" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	1395	\$30.00	\$41,850.00	\$25.00	\$34,875.00	\$29.00	\$40,455.00	\$36.00	\$50,220.00	
64	2503.541 21" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	921	\$32.00	\$29,472.00	\$26.00	\$23,946.00	\$31.41	\$28,928.61	\$37.00	\$34,077.00	
65	2503.541 24" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	996	\$39.00	\$38,844.00	\$29.50	\$29,382.00	\$33.80	\$33,664.80	\$40.00	\$39,840.00	
66	2503.541 36" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	710	\$70.00	\$49,700.00	\$56.25	\$39,937.50	\$53.25	\$37,807.50	\$60.00	\$42,600.00	
67	2503.602 CONNECT TO EXISTING SANITARY SEWER	EACH	1	\$750.00	\$750.00	\$2,500.00	\$2,500.00	\$690.00	\$690.00	\$4,675.00	\$4,675.00	
68	2503.602 CONNECT TO EXISTING STORM SEWER	EACH	1	\$600.00	\$600.00	\$1,500.00	\$1,500.00	\$690.00	\$690.00	\$760.00	\$760.00	
69	2503.602 CONNECT INTO EXISTING DRAINAGE STRUCTURE	EACH	1	\$800.00	\$800.00	\$1,500.00	\$1,500.00	\$690.00	\$690.00	\$760.00	\$760.00	

Project: 01973-00 - RAMSEY - Armstrong and Bunker Lake Boulevard Int and Extensions					Engineers Estimate		Burschville Construction, Inc.		Northwest Asphalt, Inc.		S. R. Weidema, Inc.	
Item No.	Item	Units	Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
70	2503.602 8" PIPE PLUG	EACH	1	\$100.00	\$100.00	\$100.00	\$100.00	\$22.00	\$22.00	\$75.00	\$75.00	
71	2503.602 15" PIPE PLUG	EACH	7	\$300.00	\$2,100.00	\$100.00	\$700.00	\$150.00	\$1,050.00	\$200.00	\$1,400.00	
72	2503.602 18" PIPE PLUG	EACH	1	\$350.00	\$350.00	\$200.00	\$200.00	\$191.00	\$191.00	\$240.00	\$240.00	
73	2503.602 21" PIPE PLUG	EACH	1	\$400.00	\$400.00	\$400.00	\$400.00	\$368.00	\$368.00	\$475.00	\$475.00	
74	2503.603 8" PVC PIPE SEWER	LIN FT	65	\$29.00	\$1,885.00	\$33.00	\$2,145.00	\$27.97	\$1,818.05	\$35.00	\$2,275.00	
75	2503.603 18" PVC PIPE SEWER	LIN FT	2724	\$52.00	\$141,648.00	\$59.00	\$160,716.00	\$52.71	\$143,582.04	\$60.00	\$163,440.00	
76	2503.603 21" PVC PIPE SEWER	LIN FT	1312	\$58.00	\$76,096.00	\$72.00	\$94,464.00	\$71.63	\$93,978.56	\$95.00	\$124,640.00	
77	2503.603 24" PVC PIPE SEWER	LIN FT	1431	\$64.00	\$91,584.00	\$84.00	\$120,204.00	\$79.63	\$113,950.53	\$100.00	\$143,100.00	
78	2504.602 CONNECT TO EXISTING WATER MAIN	EACH	2	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$690.00	\$1,380.00	\$1,610.00	\$3,220.00	
79	2504.602 HYDRANT	EACH	7	\$2,700.00	\$18,900.00	\$2,950.00	\$20,650.00	\$2,644.00	\$18,508.00	\$3,100.00	\$21,700.00	
80	2504.602 INSTALL HYDRANT	EACH	1	\$1,000.00	\$1,000.00	\$700.00	\$700.00	\$533.00	\$533.00	\$775.00	\$775.00	
81	2504.602 INSTALL GATE VALVE	EACH	1	\$300.00	\$300.00	\$250.00	\$250.00	\$266.00	\$266.00	\$130.00	\$130.00	
82	2504.602 ADJUST GATE VALVE AND BOX	EACH	5	\$200.00	\$1,000.00	\$300.00	\$1,500.00	\$250.00	\$1,250.00	\$285.00	\$1,425.00	
83	2504.602 16" BUTTERFLY VALVE AND BOX	EACH	6	\$3,000.00	\$18,000.00	\$3,300.00	\$19,800.00	\$3,131.00	\$18,786.00	\$2,500.00	\$15,000.00	
84	2504.602 24" BUTTERFLY VALVE	EACH	1	\$4,500.00	\$4,500.00	\$5,825.00	\$5,825.00	\$5,762.00	\$5,762.00	\$5,155.00	\$5,155.00	
85	2504.602 6" GATE VALVE AND BOX	EACH	7	\$1,000.00	\$7,000.00	\$1,000.00	\$7,000.00	\$1,075.00	\$7,525.00	\$950.00	\$6,650.00	
86	2504.602 8" GATE VALVE AND BOX	EACH	2	\$1,200.00	\$2,400.00	\$1,350.00	\$2,700.00	\$1,470.00	\$2,940.00	\$1,500.00	\$3,000.00	
87	2504.603 6" WATER MAIN-DUCT IRON CL 53	LIN FT	135	\$28.00	\$3,780.00	\$31.00	\$4,185.00	\$37.54	\$5,067.90	\$40.00	\$5,400.00	
88	2504.603 8" WATER MAIN-DUCT IRON CL 52	LIN FT	169	\$38.00	\$6,422.00	\$32.00	\$5,408.00	\$35.99	\$6,082.31	\$50.00	\$8,450.00	
89	2504.603 16" WATER MAIN-DUCT IRON CL 52	LIN FT	2768	\$44.00	\$121,792.00	\$62.00	\$171,616.00	\$63.26	\$175,103.68	\$70.00	\$193,760.00	
90	2504.603 24" WATER MAIN-DUCT IRON CL 52	LIN FT	140	\$56.00	\$7,840.00	\$99.00	\$13,860.00	\$99.56	\$13,938.40	\$100.00	\$14,000.00	
91	2504.604 6" POLYSTYRENE INSULATION	SQ YD	11	\$80.00	\$880.00	\$30.00	\$330.00	\$32.00	\$352.00	\$41.41	\$455.51	
92	2504.608 DUCTILE IRON FITTINGS	POUND	9825	\$3.00	\$29,475.00	\$2.70	\$26,527.50	\$1.86	\$18,274.50	\$2.25	\$22,106.25	
93	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN F	LIN FT	214.4	\$240.00	\$51,456.00	\$157.00	\$33,660.80	\$150.00	\$32,160.00	\$176.50	\$37,841.60	
94	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN SD	LIN FT	91.1	\$300.00	\$27,330.00	\$306.00	\$27,876.60	\$246.00	\$22,410.60	\$342.00	\$31,156.20	
95	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-60	LIN FT	4	\$450.00	\$1,800.00	\$423.50	\$1,694.00	\$361.00	\$1,444.00	\$450.00	\$1,800.00	
96	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN SD-42	LIN FT	7.8	\$600.00	\$4,680.00	\$445.50	\$3,474.90	\$477.00	\$3,720.60	\$547.00	\$4,266.60	
97	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	128.7	\$250.00	\$32,175.00	\$246.50	\$31,724.55	\$207.00	\$26,640.90	\$263.00	\$33,848.10	
98	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	31.3	\$300.00	\$9,390.00	\$361.50	\$11,314.95	\$318.00	\$9,953.40	\$375.00	\$11,737.50	
99	2506.501 CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	LIN FT	4.9	\$350.00	\$1,715.00	\$499.00	\$2,445.10	\$423.00	\$2,072.70	\$475.00	\$2,327.50	
100	2506.502 CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 1	EACH	1	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00	\$3,529.40	\$3,529.40	\$3,825.00	\$3,825.00	
101	2506.502 CONSTRUCT DRAINAGE STRUCTURE DESIGN SPECIAL 2	EACH	11	\$1,000.00	\$11,000.00	\$800.00	\$8,800.00	\$728.00	\$8,008.00	\$850.00	\$9,350.00	
102	2506.516 CASTING ASSEMBLY	EACH	73	\$500.00	\$36,500.00	\$1,000.00	\$73,000.00	\$915.00	\$66,795.00	\$965.00	\$70,445.00	
103	2506.516 CASTING ASSEMBLY	EACH	18	\$400.00	\$7,200.00	\$877.00	\$15,786.00	\$565.00	\$10,170.00	\$680.00	\$12,240.00	
104	2511.501 RANDOM RIPRAP CLASS II	CU YD	84.2	\$100.00	\$8,420.00	\$100.00	\$8,420.00	\$75.00	\$6,315.00	\$94.00	\$7,914.80	

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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	
105	2511.501	RANDOM RIPRAP CLASS III	CU YD	6.3	\$200.00	\$1,260.00	\$100.00	\$630.00	\$75.00	\$472.50	\$94.00	\$592.20
106	2511.501	RANDOM RIPRAP CLASS IV	CU YD	6	\$200.00	\$1,200.00	\$100.00	\$600.00	\$75.00	\$450.00	\$94.00	\$564.00
107	2521.501	4" CONCRETE WALK	SQ FT	26523	\$3.00	\$79,569.00	\$3.75	\$99,461.25	\$3.25	\$86,199.75	\$3.80	\$100,787.40
108	2521.511	2" BITUMINOUS WALK	SQ FT	104909	\$1.30	\$136,381.70	\$1.75	\$183,590.75	\$1.00	\$104,909.00	\$1.10	\$115,399.90
109	2531.501	CONCRETE CURB & GUTTER DESIGN B418	LIN FT	2477	\$10.00	\$24,770.00	\$10.05	\$24,893.85	\$9.05	\$22,416.85	\$9.85	\$24,398.45
110	2531.501	CONCRETE CURB & GUTTER DESIGN B418 (MOD)	LIN FT	108	\$12.00	\$1,296.00	\$17.00	\$1,836.00	\$16.00	\$1,728.00	\$16.80	\$1,814.40
111	2531.501	CONCRETE CURB & GUTTER DESIGN B424	LIN FT	4008	\$13.00	\$52,104.00	\$11.25	\$45,090.00	\$10.25	\$41,082.00	\$11.00	\$44,088.00
112	2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	4146	\$12.00	\$49,752.00	\$10.10	\$41,874.60	\$9.10	\$37,728.60	\$10.00	\$41,460.00
113	2531.501	CONCRETE CURB & GUTTER DESIGN B618 (MODIFIED)	LIN FT	60	\$15.00	\$900.00	\$18.00	\$1,080.00	\$16.00	\$960.00	\$17.00	\$1,020.00
114	2531.507	6" CONCRETE PAVEMENT	SQ YD	24	\$60.00	\$1,440.00	\$60.00	\$1,440.00	\$59.00	\$1,416.00	\$58.00	\$1,392.00
115	2531.602	CONCRETE MEDIAN NOSE DESIGN 7109	EACH	3	\$500.00	\$1,500.00	\$350.00	\$1,050.00	\$300.00	\$900.00	\$300.00	\$900.00
116	2531.602	CONC ENTRANCE NOSE DES 7113	EACH	5	\$500.00	\$2,500.00	\$325.00	\$1,625.00	\$275.00	\$1,375.00	\$275.00	\$1,375.00
117	2531.618	TRUNCATED DOMES	SQ FT	96	\$40.00	\$3,840.00	\$32.00	\$3,072.00	\$30.00	\$2,880.00	\$30.00	\$2,880.00
118	2533.507	PORTABLE PRECAST CONCRETE BARRIER DESIGN 8337	LIN FT	2705	\$15.00	\$40,575.00	\$15.00	\$40,575.00	\$14.50	\$39,222.50	\$15.00	\$40,575.00
119	2533.508	RELOCATE PORTABLE PRECAST CONC BARRIER DESIGN 8337	LIN FT	1730	\$4.00	\$6,920.00	\$4.00	\$6,920.00	\$4.75	\$8,217.50	\$5.00	\$8,650.00
120	2540.602	PROTECT MAIL BOX	EACH	1	\$100.00	\$100.00	\$1,000.00	\$1,000.00	\$150.00	\$150.00	\$150.00	\$150.00
121	2554.615	IMPACT ATTENUATOR	ASSEMBLY	6	\$3,000.00	\$18,000.00	\$2,750.00	\$16,500.00	\$2,500.00	\$15,000.00	\$2,650.00	\$15,900.00
122	2554.615	RELOCATE IMPACT ATTENUATOR	ASSEMBLY	4	\$750.00	\$3,000.00	\$800.00	\$3,200.00	\$550.00	\$2,200.00	\$750.00	\$3,000.00
123	2557.603	INSTALL WOODEN FENCE	LIN FT	400	\$10.00	\$4,000.00	\$32.00	\$12,800.00	\$28.00	\$11,200.00	\$31.00	\$12,400.00
124	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$80,000.00	\$80,000.00	\$26,000.00	\$26,000.00	\$9,500.00	\$9,500.00	\$31,000.00	\$31,000.00
125	2563.602	RAISED PAVEMENT MARKER TEMPORARY	EACH	925	\$2.00	\$1,850.00	\$2.00	\$1,850.00	\$1.45	\$1,341.25	\$1.50	\$1,387.50
126	2564.531	SIGN PANELS TYPE C	SQ FT	428.9	\$30.00	\$12,867.00	\$30.00	\$12,867.00	\$30.00	\$12,867.00	\$30.00	\$12,867.00
127	2564.537	INSTALL SIGN TYPE SPECIAL	EACH	2	\$150.00	\$300.00	\$135.00	\$270.00	\$125.00	\$250.00	\$125.00	\$250.00
128	2564.550	DELINEATOR TYPE X4-13	EACH	3	\$50.00	\$150.00	\$60.00	\$180.00	\$40.00	\$120.00	\$50.00	\$150.00
129	2564.552	HAZARD MARKER X4-2	EACH	7	\$50.00	\$350.00	\$75.00	\$525.00	\$45.00	\$315.00	\$65.00	\$455.00
130	2564.554	SNOW PLOW MARKER X4-5	EACH	7	\$50.00	\$350.00	\$60.00	\$420.00	\$55.00	\$385.00	\$55.00	\$385.00
131	2565.511	TRAFFIC CONTROL SIGNAL SYSTEM	SIG SYS	1	\$220,000.00	\$220,000.00	\$250,000.00	\$250,000.00	\$264,150.00	\$264,150.00	\$245,100.00	\$245,100.00
132	2565.601	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$10,000.00	\$10,000.00	\$45,000.00	\$45,000.00	\$5,000.00	\$5,000.00	\$40,000.00	\$40,000.00
133	2573.502	SILT FENCE, TYPE MACHINE SLICED	LIN FT	2615	\$2.00	\$5,230.00	\$1.60	\$4,184.00	\$1.80	\$4,707.00	\$1.85	\$4,837.75
134	2573.530	STORM DRAIN INLET PROTECTION	EACH	64	\$250.00	\$16,000.00	\$250.00	\$16,000.00	\$100.00	\$6,400.00	\$385.00	\$24,640.00
135	2573.540	FILTER LOG TYPE WOOD FIBER BIOROLL	LIN FT	654	\$4.00	\$2,616.00	\$2.90	\$1,896.60	\$2.79	\$1,824.66	\$2.80	\$1,831.20
136	2573.602	CULVERT PROTECTION	EACH	13	\$250.00	\$3,250.00	\$200.00	\$2,600.00	\$150.00	\$1,950.00	\$280.00	\$3,640.00
137	2575.501	SEEDING	ACRE	15.5	\$200.00	\$3,100.00	\$160.00	\$2,480.00	\$150.00	\$2,325.00	\$150.00	\$2,325.00
138	2575.502	SEED MIXTURE 240	POUND	900	\$1.50	\$1,350.00	\$3.05	\$2,745.00	\$2.95	\$2,655.00	\$2.95	\$2,655.00
139	2575.502	SEED MIXTURE 260	POUND	470	\$2.00	\$940.00	\$2.60	\$1,222.00	\$2.45	\$1,151.50	\$2.45	\$1,151.50

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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
140	2575.502 SEED MIXTURE 310	POUND	30	\$3.00	\$90.00	\$16.00	\$480.00	\$15.79	\$473.70	\$16.00	\$480.00
141	2575.502 SEED MIXTURE 350	POUND	50	\$2.50	\$125.00	\$5.10	\$255.00	\$4.95	\$247.50	\$5.00	\$250.00
142	2575.511 MULCH MATERIAL TYPE 1	TON	32	\$200.00	\$6,400.00	\$125.00	\$4,000.00	\$120.00	\$3,840.00	\$120.00	\$3,840.00
143	2575.519 DISK ANCHORING	ACRE	13.5	\$150.00	\$2,025.00	\$55.00	\$742.50	\$50.00	\$675.00	\$50.00	\$675.00
144	2575.523 EROSION CONTROL BLANKETS CATEGORY 3	SQ YD	4545	\$1.50	\$6,817.50	\$1.00	\$4,545.00	\$0.90	\$4,090.50	\$1.00	\$4,545.00
145	2575.532 FERTILIZER TYPE 3	POUND	6250	\$1.00	\$6,250.00	\$0.65	\$4,062.50	\$0.55	\$3,437.50	\$0.55	\$3,437.50
146	2575.532 FERTILIZER TYPE 4	POUND	100	\$3.00	\$300.00	\$1.60	\$160.00	\$1.50	\$150.00	\$1.50	\$150.00
147	2575.570 RAPID STABILIZATION METHOD 2	ACRE	2.5	\$1,100.00	\$2,750.00	\$1,000.00	\$2,500.00	\$960.00	\$2,400.00	\$960.00	\$2,400.00
148	2582.501 PAVT MSSG (LT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$420.00	\$3,780.00	\$400.00	\$3,600.00	\$430.00	\$3,870.00
149	2582.501 PAVT MSSG (RT ARROW) PREFORMED THERMOPLASTIC	EACH	9	\$300.00	\$2,700.00	\$420.00	\$3,780.00	\$400.00	\$3,600.00	\$430.00	\$3,870.00
150	2582.502 4" SOLID LINE WHITE-PAINT	LIN FT	19800	\$0.20	\$3,960.00	\$0.12	\$2,376.00	\$0.10	\$1,980.00	\$0.15	\$2,970.00
151	2582.502 4" DOUBLE SOLID LINE YELLOW-PAINT	LIN FT	18150	\$0.40	\$7,260.00	\$0.30	\$5,445.00	\$0.28	\$5,082.00	\$0.35	\$6,352.50
152	2582.502 24" STOP LINE WHITE-PREFORMED THERMOPLASTIC	LIN FT	240	\$8.00	\$1,920.00	\$19.00	\$4,560.00	\$18.00	\$4,320.00	\$19.00	\$4,560.00
153	2582.502 24" SOLID LINE YELLOW-PREFORMED THERMOPLASTIC	LIN FT	1925	\$8.00	\$15,400.00	\$8.25	\$15,881.25	\$8.00	\$15,400.00	\$8.50	\$16,362.50
154	2582.502 4" SOLID LINE WHITE-EPOXY	LIN FT	17610	\$0.50	\$8,805.00	\$0.35	\$6,163.50	\$0.32	\$5,635.20	\$0.35	\$6,163.50
155	2582.502 4" BROKEN LINE WHITE-EPOXY	LIN FT	550	\$0.50	\$275.00	\$0.35	\$192.50	\$0.32	\$176.00	\$0.35	\$192.50
156	2582.502 8" DOTTED LINE WHITE-EPOXY	LIN FT	120	\$0.85	\$102.00	\$4.00	\$480.00	\$3.00	\$360.00	\$3.00	\$360.00
157	2582.502 4" SOLID LINE YELLOW-EPOXY	LIN FT	5270	\$0.50	\$2,635.00	\$0.37	\$1,949.90	\$0.33	\$1,739.10	\$0.35	\$1,844.50
158	2582.502 4" DOUBLE SOLID LINE YELLOW-EPOXY	LIN FT	6810	\$1.00	\$6,810.00	\$0.70	\$4,767.00	\$0.66	\$4,494.60	\$0.75	\$5,107.50
159	2582.503 CROSSWALK MARKING-PREFORMED THERMOPLASTIC	SQ FT	1360	\$12.00	\$16,320.00	\$16.25	\$22,100.00	\$16.00	\$21,760.00	\$17.00	\$23,120.00
Total Base Bid:					\$3,646,702.70		\$4,113,181.00		\$4,208,669.98		\$4,246,185.61
Total Base Bid:					\$3,646,702.70		\$4,113,181.00		\$4,208,669.98		\$4,246,185.61
Totals for Project 01973-00					\$3,646,702.70		\$4,113,181.00		\$4,208,669.98		\$4,246,185.61
% of Estimate for Project 01973-00							12.79%		15.41%		16.44%

I hereby certify  f bids received.

Certified By: \_\_\_\_\_ License No. \_\_\_\_\_

Date: \_\_\_\_\_