

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
001	201	CLEARING AND GRUBBING	1	LS	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$14,700.00	\$14,700.00	\$7,500.00	\$7,500.00
002	202	PAVEMENT REMOVED	24488	SY	\$6.00	\$146,928.00	\$14.00	\$342,832.00	\$9.55	\$233,860.40	\$8.40	\$205,699.20
003	202	PAVEMENT REMOVED , ASPHALT	1162	SY	\$18.00	\$20,916.00	\$5.00	\$5,810.00	\$4.90	\$5,693.80	\$9.30	\$10,806.60
004	202	WALK REMOVED	43795	SF	\$2.00	\$87,590.00	\$0.50	\$21,897.50	\$1.20	\$52,554.00	\$1.10	\$48,174.50
005	202	CONCRETE MEDIAN REMOVED	18	SY	\$8.00	\$144.00	\$15.00	\$270.00	\$22.00	\$396.00	\$25.00	\$450.00
006	202	CURB REMOVED	9342	FT	\$3.00	\$28,026.00	\$2.00	\$18,684.00	\$3.65	\$34,098.30	\$3.30	\$30,828.60
007	202	PIPE REMOVED, 24" AND UNDER	1100	FT	\$11.00	\$12,100.00	\$8.00	\$8,800.00	\$8.20	\$9,020.00	\$15.00	\$16,500.00
008	202	PIPE REMOVED, OVER 24"	44	FT	\$17.00	\$748.00	\$10.00	\$440.00	\$5.90	\$259.60	\$14.35	\$631.40
009	202	MANHOLE REMOVED	4	EACH	\$1,585.00	\$6,340.00	\$125.00	\$500.00	\$500.00	\$2,000.00	\$210.00	\$840.00
010	202	CATCH BASIN REMOVED	18	EACH	\$275.00	\$4,950.00	\$125.00	\$2,250.00	\$345.00	\$6,210.00	\$123.00	\$2,214.00
011	202	CATCH BASIN ABANDONED, AS PER PLAN	1	EACH	\$883.00	\$883.00	\$125.00	\$125.00	\$375.00	\$375.00	\$210.00	\$210.00
012	202	VALVE BOX REMOVED	2	EACH	\$85.00	\$170.00	\$25.00	\$50.00	\$63.00	\$126.00	\$38.45	\$76.90
013	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 4-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$570.00	\$570.00
014	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 5-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$1,120.00	\$1,120.00	\$1,390.00	\$1,390.00
015	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 14-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,390.00	\$1,390.00
016	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 13-SH)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$1,565.00	\$1,565.00
017	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 13-SH)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$515.00	\$515.00
018	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL 18-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,215.00	\$1,215.00
019	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 13-T1)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$1,215.00	\$1,215.00
020	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 25-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$370.00	\$370.00
021	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 21-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$930.00	\$930.00	\$745.00	\$745.00
022	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 21-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$765.00	\$765.00	\$1,620.00	\$1,620.00
023	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 28-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,040.00	\$1,040.00
024	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 24-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$1,215.00	\$1,215.00
025	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 24-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$950.00	\$950.00	\$1,560.00	\$1,560.00
026	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 34-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$1,035.00	\$1,035.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
027	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 34-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$340.00	\$340.00
028	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 34-T)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$340.00	\$340.00
029	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 36-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$455.00	\$455.00
030	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 36-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$550.00	\$550.00	\$455.00	\$455.00
031	202	REMOVAL MISC.: COMMERCIAL SIGN, (PARCEL NO. 39-WD)	1	LS	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$720.00	\$720.00	\$1,065.00	\$1,065.00
032	202	REMOVAL MISC.: TRENCH DRAIN	2	EACH	\$270.00	\$540.00	\$300.00	\$600.00	\$275.00	\$550.00	\$960.00	\$1,920.00
033	202	REMOVAL MISC.: BRICK WALL	3	EACH	\$500.00	\$1,500.00	\$250.00	\$750.00	\$275.00	\$825.00	\$585.00	\$1,755.00
		REMOVAL MISC.: BRICK WALL AND ATTACHED										
034	202	MONUMENT	1	EACH	\$500.00	\$500.00	\$600.00	\$600.00	\$480.00	\$480.00	\$585.00	\$585.00
035	202	REMOVAL MISC.: CHAIN AND POST GATE	2	EACH	\$100.00	\$200.00	\$100.00	\$200.00	\$85.00	\$170.00	\$220.00	\$440.00
036	202	REMOVAL MISC.: SPOTLIGHT	9	EACH	\$20.00	\$180.00	\$25.00	\$225.00	\$100.00	\$900.00	\$90.00	\$810.00
037	202	REMOVAL MISC.: STEEL POST	1	EACH	\$100.00	\$100.00	\$25.00	\$25.00	\$17.00	\$17.00	\$220.00	\$220.00
038	203	EXCAVATION	13813	CY	\$7.00	\$96,691.00	\$0.01	\$138.13	\$15.00	\$207,195.00	\$17.10	\$236,202.30
039	203	EMBANKMENT	205	CY	\$8.00	\$1,640.00	\$15.00	\$3,075.00	\$15.00	\$3,075.00	\$23.00	\$4,715.00
040	204	SUBGRADE COMPACTION	27230	SY	\$1.00	\$27,230.00	\$0.75	\$20,422.50	\$2.00	\$54,460.00	\$0.50	\$13,615.00
041	204	EXCAVATION OF SUBGRADE	2450	CY	\$11.00	\$26,950.00	\$15.00	\$36,750.00	\$10.60	\$25,970.00	\$19.00	\$46,550.00
042	204	PROOF ROLLING	14	HOUR	\$102.00	\$1,428.00	\$100.00	\$1,400.00	\$150.00	\$2,100.00	\$130.00	\$1,820.00
043	204	GEOTEXTILE FABRIC	7400	SY	\$2.00	\$14,800.00	\$1.20	\$8,880.00	\$1.50	\$11,100.00	\$0.94	\$6,956.00
044	604	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	5	EACH	\$279.00	\$1,395.00	\$200.00	\$1,000.00	\$300.00	\$1,500.00	\$540.00	\$2,700.00
045	604	MONUMENT ASSEMBLY	7	EACH	\$455.00	\$3,185.00	\$350.00	\$2,450.00	\$620.00	\$4,340.00	\$300.00	\$2,100.00
046	608	6" CONCRETE WALK	34908	SF	\$5.00	\$174,540.00	\$3.75	\$130,905.00	\$3.50	\$122,178.00	\$4.65	\$162,322.20
047	608	CURB RAMP, AS PER PLAN	33	EACH	\$642.00	\$21,186.00	\$600.00	\$19,800.00	\$450.00	\$14,850.00	\$245.00	\$8,085.00
048	608	WALKWAY MISC.: BRICK WALK	7386	SF	\$20.00	\$147,720.00	\$12.00	\$88,632.00	\$18.00	\$132,948.00	\$13.50	\$99,711.00
		SPECIAL - WORK INVOLVING PETROLEUM										
049	690	CONTAMINATED SOIL	10	TON	\$200.00	\$2,000.00	\$250.00	\$2,500.00	\$111.00	\$1,110.00	\$180.00	\$1,800.00
EROSION CONTROL												
050	659	SOIL ANALYSIS TEST	2	EACH	\$100.00	\$200.00	\$100.00	\$200.00	\$64.00	\$128.00	\$50.00	\$100.00
051	659	TOPSOIL	336	CY	\$24.00	\$8,064.00	\$24.00	\$8,064.00	\$36.00	\$12,096.00	\$29.00	\$9,744.00
052	659	COMMERCIAL FERTILIZER	0.41	TON	\$586.00	\$240.26	\$400.00	\$164.00	\$423.00	\$173.43	\$600.00	\$246.00
053	659	LIME	0.63	ACRE	\$2.00	\$1.26	\$50.00	\$31.50	\$105.00	\$66.15	\$100.00	\$63.00
054	659	WATER	107	MGAL	\$2.00	\$214.00	\$10.00	\$1,070.00	\$16.00	\$1,712.00	\$2.00	\$214.00
055	660	SODDING UNSTAKED	3030	SY	\$7.00	\$21,210.00	\$5.00	\$15,150.00	\$5.30	\$16,059.00	\$4.50	\$13,635.00
056	832	STORM WATER POLLUTION PREVENTION PLAN	1	LS	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00	\$7,000.00	\$7,000.00	\$2,500.00	\$2,500.00
057	832	EROSION CONTROL	50000	EACH	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00
DRAINAGE												

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
058	603	4" CONDUIT, TYPE F	100	FT	\$10.00	\$1,000.00	\$5.00	\$500.00	\$15.20	\$1,520.00	\$9.00	\$900.00
059	603	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	440	FT	\$9.00	\$3,960.00	\$12.00	\$5,280.00	\$12.00	\$5,280.00	\$8.00	\$3,520.00
060	603	6" CONDUIT, TYPE B (SANITARY)	100	FT	\$19.00	\$1,900.00	\$25.00	\$2,500.00	\$62.00	\$6,200.00	\$49.00	\$4,900.00
061	603	6" CONDUIT, TYPE F	200	FT	\$12.00	\$2,400.00	\$5.00	\$1,000.00	\$16.00	\$3,200.00	\$6.80	\$1,360.00
062	603	8" CONDUIT, TYPE B; 706.02 w/706.11, 706.08 w/706.12, 707.33	12	FT	\$45.00	\$540.00	\$35.00	\$420.00	\$75.00	\$900.00	\$21.00	\$252.00
063	603	8" CONDUIT, TYPE B (SANITARY)	50	FT	\$45.00	\$2,250.00	\$30.00	\$1,500.00	\$63.00	\$3,150.00	\$51.00	\$2,550.00
064	603	8" CONDUIT, TYPE F	100	FT	\$12.00	\$1,200.00	\$5.00	\$500.00	\$16.58	\$1,658.00	\$9.00	\$900.00
065	603	12" CONDUIT, TYPE B; 706.02 w/706.11, 706.08 w/706.12, 707.33	1161	FT	\$38.00	\$44,118.00	\$55.00	\$63,855.00	\$92.00	\$106,812.00	\$73.00	\$84,753.00
066	603	12" CONDUIT, TYPE C; 706.02 w/706.11, 706.08 w/706.12, 707.47, 707.33, 707.42	82	FT	\$31.00	\$2,542.00	\$55.00	\$4,510.00	\$60.00	\$4,920.00	\$37.00	\$3,034.00
067	603	12" CONDUIT, TYPE F	50	FT	\$30.00	\$1,500.00	\$6.00	\$300.00	\$18.18	\$909.00	\$45.00	\$2,250.00
068	603	15" CONDUIT, TYPE B; 706.02 w/706.11, 706.08 w/706.12, 707.33	435	FT	\$42.00	\$18,270.00	\$60.00	\$26,100.00	\$72.00	\$31,320.00	\$63.00	\$27,405.00
069	603	18" CONDUIT, TYPE B; 706.02 w/706.11, 706.08 w/706.12, 707.33	442	FT	\$45.00	\$19,890.00	\$60.00	\$26,520.00	\$78.00	\$34,476.00	\$80.00	\$35,360.00
070	603	30" CONDUIT, TYPE B; 706.02 w/706.11, 706.08 w/706.12, 707.33	664	FT	\$84.00	\$55,776.00	\$85.00	\$56,440.00	\$90.00	\$59,760.00	\$114.00	\$75,696.00
071	603	12" SLOTTED DRAIN, TYPE 2	54	FT	\$90.00	\$4,860.00	\$110.00	\$5,940.00	\$140.00	\$7,560.00	\$155.00	\$8,370.00
072	604	CATCH BASIN, NO. 3 (Casting Supplied by City)	11	EACH	\$1,700.00	\$18,700.00	\$1,400.00	\$15,400.00	\$1,860.00	\$20,460.00	\$1,025.00	\$11,275.00
073	604	CATCH BASIN, NO. 3A (Casting Supplied by City)	19	EACH	\$1,100.00	\$20,900.00	\$1,500.00	\$28,500.00	\$2,000.00	\$38,000.00	\$900.00	\$17,100.00
074	604	CATCH BASIN, NO. 6 (Casting Supplied by City)	3	EACH	\$1,250.00	\$3,750.00	\$1,500.00	\$4,500.00	\$2,800.00	\$8,400.00	\$800.00	\$2,400.00
075	604	INLET, MISC.: CITY OF AKRON No. 3 (Casting Supplied by City)	2	EACH	\$4,200.00	\$8,400.00	\$1,400.00	\$2,800.00	\$5,200.00	\$10,400.00	\$920.00	\$1,840.00
076	604	INLET, SIDE DITCH	1	EACH	\$700.00	\$700.00	\$1,100.00	\$1,100.00	\$1,500.00	\$1,500.00	\$690.00	\$690.00
077	604	MANHOLE, NO. 3 (Casting Supplied by City)	18	EACH	\$2,100.00	\$37,800.00	\$2,000.00	\$36,000.00	\$2,550.00	\$45,900.00	\$1,300.00	\$23,400.00
078	604	MANHOLE, NO.3, WITH 90" BASE ID AND 8" WEIR	1	EACH	\$2,270.00	\$2,270.00	\$4,500.00	\$4,500.00	\$16,000.00	\$16,000.00	\$5,900.00	\$5,900.00
079	604	MANHOLE, NO.3, WITH 96" BASE ID AND 9" WEIR	1	EACH	\$2,270.00	\$2,270.00	\$4,800.00	\$4,800.00	\$15,000.00	\$15,000.00	\$5,300.00	\$5,300.00
080	604	MANHOLE, NO. 5, AS PER PLAN (Casting Supplied by City)	4	EACH	\$5,750.00	\$23,000.00	\$8,000.00	\$32,000.00	\$10,200.00	\$40,800.00	\$7,500.00	\$30,000.00
081	604	MANHOLE ADJUSTED TO GRADE	8	EACH	\$350.00	\$2,800.00	\$200.00	\$1,600.00	\$475.00	\$3,800.00	\$575.00	\$4,600.00
082	605	6" SHALLOW PIPE UNDERDRAINS WITH FABRIC WRAP, AS PER PLAN	6016	FT	\$6.00	\$36,096.00	\$6.00	\$36,096.00	\$11.69	\$70,327.04	\$7.50	\$45,120.00
083	SPEC	MISCELLANEOUS METAL MANUFACTURED WATER QUALITY STRUCTURE,	2000	POUND	\$2.00	\$4,000.00	\$1.50	\$3,000.00	\$3.00	\$6,000.00	\$0.70	\$1,400.00
084	895	TYPE 2 MANUFACTURED WATER QUALITY STRUCTURE,	1	EACH	\$5,000.00	\$5,000.00	\$18,000.00	\$18,000.00	\$20,000.00	\$20,000.00	\$22,000.00	\$22,000.00
085	895	TYPE 3 MANUFACTURED WATER QUALITY STRUCTURE,	1	EACH	\$7,000.00	\$7,000.00	\$20,000.00	\$20,000.00	\$26,000.00	\$26,000.00	\$24,000.00	\$24,000.00

PAVEMENT

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
086	254	PAVEMENT PLANING, ASPHALT CONCRETE	1046	SY	\$4.00	\$4,184.00	\$4.00	\$4,184.00	\$5.04	\$5,271.84	\$9.90	\$10,355.40
087	301	ASPHALT CONCRETE BASE, PG64-22	4069	CY	\$115.00	\$467,935.00	\$95.00	\$386,555.00	\$75.75	\$308,226.75	\$106.50	\$433,348.50
088	301	ASPHALT CONCRETE BASE, PG64-22 (DRIVEWAYS)	196	CY	\$200.00	\$39,200.00	\$130.00	\$25,480.00	\$196.00	\$38,416.00	\$180.00	\$35,280.00
089	304	AGGREGATE BASE	6519	CY	\$30.00	\$195,570.00	\$28.00	\$182,532.00	\$34.00	\$221,646.00	\$38.50	\$250,981.50
090	407	TACK COAT	206	GAL	\$2.00	\$412.00	\$5.00	\$1,030.00	\$1.22	\$251.32	\$2.00	\$412.00
091	407	TACK COAT FOR INTERMEDIATE COURSE	999	GAL	\$2.00	\$1,998.00	\$2.00	\$1,998.00	\$1.22	\$1,218.78	\$2.50	\$2,497.50
092	408	PRIME COAT	9697	GAL	\$2.00	\$19,394.00	\$1.50	\$14,545.50	\$2.21	\$21,430.37	\$2.50	\$24,242.50
093	424	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE	525	CY	\$95.00	\$49,875.00	\$175.00	\$91,875.00	\$135.92	\$71,358.00	\$190.00	\$99,750.00
094	442	ASPHALT CONCRETE INTERMEDIATE COURSE, 9.5MM	868	CY	\$115.00	\$99,820.00	\$135.00	\$117,180.00	\$99.00	\$85,932.00	\$144.00	\$124,992.00
095	446	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE	1214	CY	\$115.00	\$139,610.00	\$105.00	\$127,470.00	\$85.70	\$104,039.80	\$129.00	\$156,606.00
096	448	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG	59	CY	\$200.00	\$11,800.00	\$175.00	\$10,325.00	\$207.00	\$12,213.00	\$214.00	\$12,626.00
097	452	6" NON-REINFORCED CONCRETE PAVEMENT, AS PEF	200	SY	\$40.00	\$8,000.00	\$38.00	\$7,600.00	\$36.00	\$7,200.00	\$61.00	\$12,200.00
098	452	8" NON-REINFORCED CONCRETE PAVEMENT	1625	SY	\$37.00	\$60,125.00	\$50.00	\$81,250.00	\$37.00	\$60,125.00	\$55.00	\$89,375.00
099	452	8" NON-REINFORCED CONCRETE PAVEMENT, AS PEF	1000	SY	\$29.00	\$29,000.00	\$50.00	\$50,000.00	\$39.00	\$39,000.00	\$60.00	\$60,000.00
100	609	CURB, TYPE 6	9362	FT	\$14.00	\$131,068.00	\$14.00	\$131,068.00	\$9.50	\$88,939.00	\$9.00	\$84,258.00
101	609	CONCRETE MEDIAN	19	SY	\$540.00	\$10,260.00	\$50.00	\$950.00	\$91.00	\$1,729.00	\$77.00	\$1,463.00
WATER WORK AND SANITARY												
102	604	MANHOLE ADJUSTED TO GRADE	16	EACH	\$350.00	\$5,600.00	\$200.00	\$3,200.00	\$365.00	\$5,840.00	\$575.00	\$9,200.00
103	604	MANHOLE RECONSTRUCTED TO GRADE	4	EACH	\$1,100.00	\$4,400.00	\$2,200.00	\$8,800.00	\$1,300.00	\$5,200.00	\$770.00	\$3,080.00
104	SPEC	6" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53,PUSH-ON JOINTS AND MECHANICAL JOINT FITTINGS	137	FT	\$65.00	\$8,905.00	\$70.00	\$9,590.00	\$350.00	\$47,950.00	\$260.00	\$35,620.00
105	SPEC	8" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53,PUSH-ON JOINTS AND MECHANICAL JOINT FITTINGS	39	FT	\$53.00	\$2,067.00	\$190.00	\$7,410.00	\$480.00	\$18,720.00	\$360.00	\$14,040.00
106	SPEC	12" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53,PUSH-ON JOINTS AND MECHANICAL JOINT FITTINGS	74	FT	\$72.00	\$5,328.00	\$300.00	\$22,200.00	\$580.00	\$42,920.00	\$610.00	\$45,140.00
107	SPEC	6" GATE VALVE AND VALVE BOX , COMPLETE	7	EACH	\$1,080.00	\$7,560.00	\$500.00	\$3,500.00	\$800.00	\$5,600.00	\$625.00	\$4,375.00
108	SPEC	8" GATE VALVE AND VALVE BOX, COMPLETE	1	EACH	\$1,512.00	\$1,512.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$835.00	\$835.00
109	SPEC	FURNISHING AND SETTING 6" HYDRANT, COMPLETE	11	EACH	\$3,672.00	\$40,392.00	\$2,300.00	\$25,300.00	\$3,000.00	\$33,000.00	\$2,475.00	\$27,225.00
110	638	FIRE HYDRANT REMOVED AND DISPOSED OF	11	EACH	\$200.00	\$2,200.00	\$400.00	\$4,400.00	\$555.00	\$6,105.00	\$420.00	\$4,620.00
111	638	VALVE BOX ADJUSTED TO GRADE	39	EACH	\$101.00	\$3,939.00	\$60.00	\$2,340.00	\$85.00	\$3,315.00	\$55.00	\$2,145.00
112	SPEC	20" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53, PUSH-ON JOINTS AND MECHANICAL JOINT CUTTING AND PLUGGING EXISTING WATER MAIN AND BRANCHES	100	FT	\$200.00	\$20,000.00	\$500.00	\$50,000.00	\$860.00	\$86,000.00	\$990.00	\$99,000.00
113	SPEC	20" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 53, PUSH-ON JOINTS AND MECHANICAL JOINT CUTTING AND PLUGGING EXISTING WATER MAIN AND BRANCHES	5	EACH	\$486.00	\$2,430.00	\$400.00	\$2,000.00	\$1,000.00	\$5,000.00	\$856.00	\$4,280.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
114	638	WATER WORK, MISC.: 20"x6" TAPPING SLEEVE, VALVE AND VALVE BOX	1	EACH	\$2,305.00	\$2,305.00	\$4,000.00	\$4,000.00	\$13,300.00	\$13,300.00	\$4,000.00	\$4,000.00
LIGHTING												
115	202	LIGHT POLE REMOVED	6	EACH	\$143.00	\$858.00	\$200.00	\$1,200.00	\$90.00	\$540.00	\$84.00	\$504.00
116	202	LIGHT POLE REMOVED FOR STORAGE	10	EACH	\$108.00	\$1,080.00	\$200.00	\$2,000.00	\$90.00	\$900.00	\$84.00	\$840.00
117	202	LIGHT POLE FOUNDATION REMOVED	16	EACH	\$105.00	\$1,680.00	\$200.00	\$3,200.00	\$93.00	\$1,488.00	\$88.00	\$1,408.00
118	202	LUMINAIRE REMOVED FOR REUSE	10	EACH	\$121.00	\$1,210.00	\$10.00	\$100.00	\$17.00	\$170.00	\$16.00	\$160.00
119	202	DISCONNECT EXISTING CIRCUIT	10	FT	\$96.00	\$960.00	\$50.00	\$500.00	\$42.50	\$425.00	\$40.00	\$400.00
120	625	CONNECTOR KIT, TYPE II	122	EACH	\$55.00	\$6,710.00	\$70.00	\$8,540.00	\$55.00	\$6,710.00	\$52.00	\$6,344.00
121	625	CABLE SPLICING KIT, AS PER PLAN	54	EACH	\$108.00	\$5,832.00	\$10.00	\$540.00	\$65.00	\$3,510.00	\$61.00	\$3,294.00
122	625	LIGHT POLE, DECORATIVE, AS PER PLAN	31	EACH	\$1,362.00	\$42,222.00	\$900.00	\$27,900.00	\$945.00	\$29,295.00	\$889.00	\$27,559.00
123	625	LIGHT POLE, CONVENTIONAL, A6B30	6	EACH	\$1,300.00	\$7,800.00	\$2,000.00	\$12,000.00	\$2,800.00	\$16,800.00	\$2,652.00	\$15,912.00
124	625	LIGHT POLE, CONVENTIONAL, A6B35	1	EACH	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00	\$3,000.00	\$3,000.00	\$2,857.00	\$2,857.00
125	625	LIGHT POLE, CONVENTIONAL, A9B35	1	EACH	\$2,000.00	\$2,000.00	\$2,100.00	\$2,100.00	\$3,137.07	\$3,137.07	\$2,955.00	\$2,955.00
126	625	LIGHT POLE FOUNDATION, 24" X 6' DEEP	18	EACH	\$846.00	\$15,228.00	\$800.00	\$14,400.00	\$920.00	\$16,560.00	\$867.00	\$15,606.00
127	625	LIGHT POLE FOUNDATION, MISC.: 18 IN. x 3 FT.	31	EACH	\$454.00	\$14,074.00	\$500.00	\$15,500.00	\$545.00	\$16,895.00	\$512.00	\$15,872.00
128	625	BRACKET ARM, 6'	2	EACH	\$375.00	\$750.00	\$350.00	\$700.00	\$412.00	\$824.00	\$388.00	\$776.00
129	625	BRACKET ARM, 12'	2	EACH	\$383.00	\$766.00	\$350.00	\$700.00	\$430.00	\$860.00	\$407.00	\$814.00
130	625	BRACKET ARM, 15'	8	EACH	\$477.00	\$3,816.00	\$350.00	\$2,800.00	\$450.00	\$3,600.00	\$422.00	\$3,376.00
131	625	NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE	5517	FT	\$1.20	\$6,620.40	\$2.00	\$11,034.00	\$2.00	\$11,034.00	\$1.90	\$10,482.30
132	625	NO. 2 AWG 5000 VOLT DISTRIBUTION CABLE	15057	FT	\$1.40	\$21,079.80	\$2.00	\$30,114.00	\$2.75	\$41,406.75	\$2.60	\$39,148.20
133	625	NO. 10 AWG POLE AND BRACKET CABLE	2210	FT	\$0.80	\$1,768.00	\$0.10	\$221.00	\$1.00	\$2,210.00	\$0.90	\$1,989.00
134	625	CONDUIT, 2", 725.04	5520	FT	\$7.30	\$40,296.00	\$7.00	\$38,640.00	\$6.05	\$33,396.00	\$5.70	\$31,464.00
135	625	CONDUIT, 3", 725.04	1707	FT	\$8.90	\$15,192.30	\$15.00	\$25,605.00	\$12.75	\$21,764.25	\$12.00	\$20,484.00
136	625	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"	419	FT	\$28.10	\$11,773.90	\$30.00	\$12,570.00	\$26.50	\$11,103.50	\$24.90	\$10,433.10
137	625	LUMINAIRE, CONVENTIONAL, AS PER PLAN	20	EACH	\$265.00	\$5,300.00	\$250.00	\$5,000.00	\$235.00	\$4,700.00	\$221.00	\$4,420.00
138	625	LUMINAIRE, POST TOP, AS PER PLAN	31	EACH	\$627.00	\$19,437.00	\$350.00	\$10,850.00	\$430.00	\$13,330.00	\$407.00	\$12,617.00
139	625	LUMINAIRE, INSTALLATION ONLY, AS PER PLAN	10	EACH	\$60.00	\$600.00	\$100.00	\$1,000.00	\$60.00	\$600.00	\$57.00	\$570.00
140	625	TRENCH	5625	FT	\$3.00	\$16,875.00	\$7.00	\$39,375.00	\$3.60	\$20,250.00	\$3.40	\$19,125.00
141	625	TRENCH IN PAVED AREA, TYPE B	225	FT	\$21.00	\$4,725.00	\$25.00	\$5,625.00	\$21.00	\$4,725.00	\$19.80	\$4,455.00
142	625	PULL BOX, 725.08, 18", AS PER PLAN	21	EACH	\$700.00	\$14,700.00	\$550.00	\$11,550.00	\$665.00	\$13,965.00	\$626.00	\$13,146.00
143	625	GROUND ROD	53	EACH	\$123.00	\$6,519.00	\$150.00	\$7,950.00	\$111.00	\$5,883.00	\$105.00	\$5,565.00
144	625	POWER SERVICE, AS PER PLAN	2	EACH	\$2,005.00	\$4,010.00	\$300.00	\$600.00	\$4,300.00	\$8,600.00	\$4,100.00	\$8,200.00
145	625	REERECT EXISTING LIGHT POLE, AS PER PLAN	10	EACH	\$235.00	\$2,350.00	\$150.00	\$1,500.00	\$480.00	\$4,800.00	\$454.00	\$4,540.00
146	SPEC	PLASTIC CAUTION TAPE	6042	FT	\$0.20	\$1,208.40	\$0.10	\$604.20	\$0.32	\$1,933.44	\$0.30	\$1,812.60
147	SPEC	MAINTAIN EXISTING LIGHTING	1	LS	\$1,000.00	\$1,000.00	\$100.00	\$100.00	\$1,500.00	\$1,500.00	\$1,450.00	\$1,450.00
148	632	CONDUIT RISER, 2" DIAMETER	2	EACH	\$170.00	\$340.00	\$300.00	\$600.00	\$325.00	\$650.00	\$302.00	\$604.00
MAINTENANCE OF TRAFFIC												
149	410	TRAFFIC COMPACTED SURFACE, TYPE A OR B	200	CY	\$20.00	\$4,000.00	\$30.00	\$6,000.00	\$28.30	\$5,660.00	\$30.45	\$6,090.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
150	608	2" ASPHALT CONCRETE WALK	3000	SF	\$7.00	\$21,000.00	\$2.00	\$6,000.00	\$3.15	\$9,450.00	\$2.00	\$6,000.00
151	614	LAW ENFORCEMENT OFFICER WITH PATROL CAR	700	HOUR	\$38.00	\$26,600.00	\$38.00	\$26,600.00	\$38.00	\$26,600.00	\$38.00	\$26,600.00
152	614	DETOUR SIGNING	1	LS	\$1,863.00	\$1,863.00	\$12,500.00	\$12,500.00	\$5,800.00	\$5,800.00	\$5,500.00	\$5,500.00
153	614	PORTABLE WATER-FILLED BARRIER, TRITON (TL2)	900	FT	\$33.00	\$29,700.00	\$25.00	\$22,500.00	\$17.18	\$15,462.00	\$57.00	\$51,300.00
154	614	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	400	CY	\$89.00	\$35,600.00	\$100.00	\$40,000.00	\$205.00	\$82,000.00	\$145.00	\$58,000.00
155	614	MAINTAINING TRAFFIC, MISC.:BUSINESS SIGN PORTABLE CHANGEABLE MESSAGE SIGN, AS PER	20	EACH	\$64.00	\$1,280.00	\$250.00	\$5,000.00	\$100.00	\$2,000.00	\$95.00	\$1,900.00
156	614	PLAN	18	SNMT	\$971.00	\$17,478.00	\$1,000.00	\$18,000.00	\$965.00	\$17,370.00	\$900.00	\$16,200.00
157	614	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	0.92	MILE	\$692.00	\$636.64	\$2,500.00	\$2,300.00	\$1,480.00	\$1,361.60	\$1,400.00	\$1,288.00
158	614	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I	0.60	MILE	\$9,353.00	\$5,611.80	\$11,000.00	\$6,600.00	\$10,800.00	\$6,480.00	\$10,200.00	\$6,120.00
159	614	WORK ZONE EDGE LINE, CLASS I, 642 PAINT	0.93	MILE	\$572.00	\$531.96	\$1,000.00	\$930.00	\$950.00	\$883.50	\$900.00	\$837.00
160	614	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I	0.75	MILE	\$4,781.00	\$3,585.75	\$5,500.00	\$4,125.00	\$5,400.00	\$4,050.00	\$5,100.00	\$3,825.00
161	614	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT WORK ZONE CHANNELIZING LINE, CLASS I, 740.06,	123	FT	\$0.60	\$73.80	\$1.00	\$123.00	\$1.05	\$129.15	\$1.00	\$123.00
162	614	TYPE I	575	FT	\$1.70	\$977.50	\$2.00	\$1,150.00	\$2.10	\$1,207.50	\$2.00	\$1,150.00
163	614	WORK ZONE DOTTED LINE, CLASS I, 642 PAINT	204	FT	\$1.20	\$244.80	\$2.00	\$408.00	\$0.55	\$112.20	\$0.50	\$102.00
164	614	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I	440	FT	\$1.10	\$484.00	\$3.00	\$1,320.00	\$1.05	\$462.00	\$1.00	\$440.00
165	614	WORK ZONE STOP LINE, CLASS I, 642 PAINT	72	FT	\$2.60	\$187.20	\$3.00	\$216.00	\$5.30	\$381.60	\$5.00	\$360.00
166	614	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I	203	FT	\$6.40	\$1,299.20	\$5.00	\$1,015.00	\$6.34	\$1,287.02	\$6.00	\$1,218.00
167	614	WORK ZONE LANE ARROW, CLASS I, 642 PAINT	3	EACH	\$42.00	\$126.00	\$60.00	\$180.00	\$74.00	\$222.00	\$70.00	\$210.00
168	614	WORK ZONE LANE ARROW, CLASS I, 740.06, TYPE I	11	EACH	\$171.00	\$1,881.00	\$100.00	\$1,100.00	\$185.00	\$2,035.00	\$175.00	\$1,925.00
169	616	WATER	10	MGAL	\$100.00	\$1,000.00	\$1.00	\$10.00	\$49.50	\$495.00	\$5.00	\$50.00
TRAFFIC CONTROL												
170	625	BRACKET ARM, 15'	2	EACH	\$477.00	\$954.00	\$350.00	\$700.00	\$500.00	\$1,000.00	\$469.00	\$938.00
171	625	CONDUIT, 2", 725.04	20	FT	\$7.30	\$146.00	\$12.00	\$240.00	\$7.10	\$142.00	\$6.70	\$134.00
172	625	CONDUIT, 3", 725.04	3427	FT	\$8.90	\$30,500.30	\$14.00	\$47,978.00	\$10.85	\$37,182.95	\$10.20	\$34,955.40
173	625	CONDUIT, 4", 725.04	152	FT	\$14.80	\$2,249.60	\$15.00	\$2,280.00	\$14.65	\$2,226.80	\$13.80	\$2,097.60
174	625	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"	210	FT	\$28.10	\$5,901.00	\$25.00	\$5,250.00	\$30.00	\$6,300.00	\$28.20	\$5,922.00
175	625	TRENCH	1080	FT	\$3.00	\$3,240.00	\$6.00	\$6,480.00	\$4.45	\$4,806.00	\$4.20	\$4,536.00
176	625	TRENCH IN PAVED AREA, TYPE B	674	FT	\$21.00	\$14,154.00	\$25.00	\$16,850.00	\$21.00	\$14,154.00	\$19.80	\$13,345.20
177	625	PULL BOX, MISC.:24"x36", AS PER PLAN	37	EACH	\$700.00	\$25,900.00	\$700.00	\$25,900.00	\$725.00	\$26,825.00	\$683.00	\$25,271.00
178	625	GROUND ROD	18	EACH	\$123.00	\$2,214.00	\$150.00	\$2,700.00	\$110.00	\$1,980.00	\$105.00	\$1,890.00
179	625	GROUND ROD, AS PER PLAN	5	EACH	\$145.00	\$725.00	\$150.00	\$750.00	\$110.00	\$550.00	\$105.00	\$525.00
180	SPEC	PLASTIC CAUTION TAPE	2949	FT	\$0.20	\$589.80	\$0.10	\$294.90	\$0.32	\$943.68	\$0.30	\$884.70
181	630	GROUND MOUNTED SUPPORT, NO. 3 POST	622.1	FT	\$8.00	\$4,976.80	\$6.00	\$3,732.60	\$10.99	\$6,836.88	\$5.80	\$3,608.18

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
182	630	STREET NAME SIGN SUPPORT, NO. 2 POST	11.1	FT	\$15.00	\$166.50	\$8.00	\$88.80	\$13.42	\$148.96	\$8.00	\$88.80
183	630	COMBINATION OVERHEAD SIGN SUPPORT, TYPE TC-16.20, DESIGN 3	2	EACH	\$9,000.00	\$18,000.00	\$5,000.00	\$10,000.00	\$4,811.59	\$9,623.18	\$5,200.00	\$10,400.00
184	630	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN	28	EACH	\$219.00	\$6,132.00	\$250.00	\$7,000.00	\$191.24	\$5,354.72	\$245.00	\$6,860.00
185	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	9	EACH	\$47.00	\$423.00	\$50.00	\$450.00	\$138.41	\$1,245.69	\$55.00	\$495.00
186	630	SIGN, FLAT SHEET	392.6	SF	\$12.00	\$4,711.20	\$10.00	\$3,926.00	\$16.90	\$6,634.94	\$12.00	\$4,711.20
187	630	SIGN, DOUBLE FACED, STREET NAME, TYPE G	2	EACH	\$93.00	\$186.00	\$125.00	\$250.00	\$270.48	\$540.96	\$125.00	\$250.00
	630	RIGID OVERHEAD SIGN SUPPORT FOUNDATION	2	EACH	\$2,486.00	\$4,972.00	\$2,800.00	\$5,600.00	\$1,977.89	\$3,955.78	\$3,200.00	\$6,400.00
001	630	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	31	EACH	\$7.00	\$217.00	\$10.00	\$310.00	\$10.57	\$327.67	\$10.00	\$310.00
002	630	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE, AS PER PLAN	7	EACH	\$15.00	\$105.00	\$20.00	\$140.00	\$10.57	\$73.99	\$20.00	\$140.00
003	630	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	5	EACH	\$40.00	\$200.00	\$75.00	\$375.00	\$204.97	\$1,024.85	\$75.00	\$375.00
004	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	33	EACH	\$11.00	\$363.00	\$25.00	\$825.00	\$15.85	\$523.05	\$25.00	\$825.00
005	630	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION	12	EACH	\$227.00	\$2,724.00	\$120.00	\$1,440.00	\$191.24	\$2,294.88	\$120.00	\$1,440.00
006	630	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	10	EACH	\$96.00	\$960.00	\$50.00	\$500.00	\$26.41	\$264.10	\$60.00	\$600.00
007	630	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	21	EACH	\$7.00	\$147.00	\$10.00	\$210.00	\$10.57	\$221.97	\$10.00	\$210.00
008	630	REMOVAL OF POLE MOUNTED SIGN AND STORAGE, AS PER PLAN	5	EACH	\$17.00	\$85.00	\$25.00	\$125.00	\$10.57	\$52.85	\$25.00	\$125.00
009	630	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	2	EACH	\$61.00	\$122.00	\$75.00	\$150.00	\$138.41	\$276.82	\$75.00	\$150.00
010	632	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	28	EACH	\$500.00	\$14,000.00	\$500.00	\$14,000.00	\$690.00	\$19,320.00	\$648.00	\$18,144.00
011	632	VEHICULAR SIGNAL HEAD, 5 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	10	EACH	\$800.00	\$8,000.00	\$900.00	\$9,000.00	\$1,040.00	\$10,400.00	\$984.00	\$9,840.00
012	632	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, AS PER PLAN	28	EACH	\$450.00	\$12,600.00	\$300.00	\$8,400.00	\$420.00	\$11,760.00	\$395.00	\$11,060.00
013	632	COVERING OF VEHICULAR SIGNAL HEAD	38	EACH	\$14.00	\$532.00	\$5.00	\$190.00	\$21.00	\$798.00	\$20.00	\$760.00
014	632	COVERING OF PEDESTRIAN SIGNAL HEAD	28	EACH	\$13.00	\$364.00	\$5.00	\$140.00	\$21.00	\$588.00	\$20.00	\$560.00
015	632	PEDESTRIAN PUSHBUTTON, AS PER PLAN	28	EACH	\$154.00	\$4,312.00	\$150.00	\$4,200.00	\$117.84	\$3,299.52	\$111.00	\$3,108.00
016	632	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	4099	FT	\$1.30	\$5,328.70	\$1.00	\$4,099.00	\$1.15	\$4,713.85	\$1.10	\$4,508.90
017	632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	5830	FT	\$1.50	\$8,745.00	\$1.00	\$5,830.00	\$1.50	\$8,745.00	\$1.40	\$8,162.00
018	632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	2311	FT	\$1.60	\$3,697.60	\$1.00	\$2,311.00	\$1.80	\$4,159.80	\$1.70	\$3,928.70
019	632	INTERCONNECT, MISC.: DROP CABLE, 6 FIBER	140	FT	\$5.00	\$700.00	\$5.00	\$700.00	\$1.20	\$168.00	\$1.10	\$154.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
020	632	INTERCONNECT, MISC.: TRUNK CABLE, 24 FIBER, LOOSE TUBE, SINGLE MODE	3368	FT	\$7.00	\$23,576.00	\$1.00	\$3,368.00	\$1.80	\$6,062.40	\$1.70	\$5,725.60
021	632	INTERCONNECT, MISC.: FAN-OUT KIT, 6 FIBER	5	EACH	\$50.00	\$250.00	\$35.00	\$175.00	\$57.33	\$286.65	\$54.00	\$270.00
022	632	INTERCONNECT, MISC.: FIBER OPTIC PATCH CORD, 4 FIBER	5	EACH	\$70.00	\$350.00	\$50.00	\$250.00	\$115.00	\$575.00	\$108.00	\$540.00
023	632	INTERCONNECT, MISC.: TERMINATION PANEL, CONTROLLER CABINET	5	EACH	\$200.00	\$1,000.00	\$350.00	\$1,750.00	\$235.68	\$1,178.40	\$222.00	\$1,110.00
024	632	INTERCONNECT, MISC.: FUSION SPLICE	36	EACH	\$20.00	\$720.00	\$80.00	\$2,880.00	\$36.00	\$1,296.00	\$34.00	\$1,224.00
025	632	INTERCONNECT, MISC.: SPLICE ENCLOSURE, (UNDER GRADE)	6	EACH	\$20.00	\$120.00	\$250.00	\$1,500.00	\$410.00	\$2,460.00	\$385.00	\$2,310.00
026	632	INTERCONNECT, MISC.: FIBER OPTIC TERMINATION TOOL KIT	1	EACH	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00	\$2,120.00	\$2,120.00	\$1,995.00	\$1,995.00
027	632	INTERCONNECT, MISC.: OPTICAL TIME DOMAIN REFLECTOMETER	1	EACH	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$19,400.00	\$19,400.00	\$18,224.00	\$18,224.00
028	632	INTERCONNECT, MISC.: FUSION SPLICER	1	EACH	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00	\$28,100.00	\$28,100.00	\$26,450.00	\$26,450.00
029	632	INTERCONNECT, MISC.: CLEAVE TOOL	1	EACH	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$1,450.00	\$1,450.00	\$1,365.00	\$1,365.00
030	632	INTERCONNECT, MISC.: FIBER OPTIC CABLE TESTING	1	LS	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$1,260.00	\$1,260.00	\$1,200.00	\$1,200.00
031	632	INTERCONNECT, MISC.: FIBER OPTIC TRAINING PLAN	1	LS	\$4,000.00	\$4,000.00	\$8,000.00	\$8,000.00	\$8,485.00	\$8,485.00	\$8,000.00	\$8,000.00
032	632	SIGNAL SUPPORT FOUNDATION	13	EACH	\$2,017.00	\$26,221.00	\$2,000.00	\$26,000.00	\$2,930.00	\$38,090.00	\$2,758.00	\$35,854.00
033	632	PEDESTAL FOUNDATION	5	EACH	\$471.00	\$2,355.00	\$500.00	\$2,500.00	\$375.00	\$1,875.00	\$352.00	\$1,760.00
034	632	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	518	FT	\$2.50	\$1,295.00	\$2.00	\$1,036.00	\$3.60	\$1,864.80	\$3.40	\$1,761.20
035	632	POWER SERVICE, AS PER PLAN	5	EACH	\$1,012.00	\$5,060.00	\$400.00	\$2,000.00	\$1,600.00	\$8,000.00	\$1,465.00	\$7,325.00
036	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20 DESIGN 12 POLE, WITH MAST ARMS TC-81.20 DESIGN 11 AND DESIGN 3	1	EACH	\$6,961.00	\$6,961.00	\$7,800.00	\$7,800.00	\$9,500.00	\$9,500.00	\$8,900.00	\$8,900.00
037	632	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 5 POLE, WITH MAST ARMS TC-81.20 DESIGN 12 AND DESIGN 3	1	EACH	\$9,000.00	\$9,000.00	\$8,000.00	\$8,000.00	\$9,885.00	\$9,885.00	\$9,300.00	\$9,300.00
038	632	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 6 POLE, WITH MAST ARMS TC-81.20 DESIGN 12 AND DESIGN 11	1	EACH	\$8,095.00	\$8,095.00	\$9,800.00	\$9,800.00	\$12,000.00	\$12,000.00	\$11,300.00	\$11,300.00
039	632	COMBINATION SIGNAL SUPPORT, TYPE TC-12.30 DESIGN 7 POLE, WITH MAST ARMS TC-81.20 DESIGN 12 AND DESIGN 12	1	EACH	\$9,000.00	\$9,000.00	\$13,500.00	\$13,500.00	\$16,000.00	\$16,000.00	\$15,300.00	\$15,300.00
040	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 3	4	EACH	\$3,139.00	\$12,556.00	\$4,000.00	\$16,000.00	\$5,300.00	\$21,200.00	\$5,000.00	\$20,000.00
041	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 11	3	EACH	\$5,019.00	\$15,057.00	\$5,000.00	\$15,000.00	\$6,800.00	\$20,400.00	\$6,500.00	\$19,500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY												
042	632	COMBINATION SIGNAL SUPPORT, TYPE TC-81.20, DESIGN 12	2	EACH	\$6,307.00	\$12,614.00	\$6,000.00	\$12,000.00	\$8,200.00	\$16,400.00	\$7,800.00	\$15,600.00
043	632	PEDESTAL, 8'	5	EACH	\$563.00	\$2,815.00	\$500.00	\$2,500.00	\$430.00	\$2,150.00	\$405.00	\$2,025.00
044	632	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN	5	EACH	\$1,186.00	\$5,930.00	\$2,000.00	\$10,000.00	\$960.00	\$4,800.00	\$902.00	\$4,510.00
045	632	REUSE OF TRAFFIC CONTROL ITEM: PHONE DROP SIGNALIZATION, MISC.: VIDEO DETECTION UNIT, AS PER PLAN	1	EACH	\$4,500.00	\$4,500.00	\$250.00	\$250.00	\$95.00	\$95.00	\$90.00	\$90.00
046	632	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1, AS PER PLAN	5	EACH	\$3,000.00	\$15,000.00	\$20,000.00	\$100,000.00	\$28,000.00	\$140,000.00	\$26,300.00	\$131,500.00
047	633	CONTROLLER, MASTER, TRAFFIC RESPONSIVE, AS PER PLAN	4	EACH	\$6,500.00	\$26,000.00	\$10,500.00	\$42,000.00	\$13,400.00	\$53,600.00	\$12,639.00	\$50,556.00
048	633	CABINET FOUNDATION	1	EACH	\$5,174.00	\$5,174.00	\$5,000.00	\$5,000.00	\$6,850.00	\$6,850.00	\$6,441.00	\$6,441.00
049	633	CONTROLLER WORK PAD	5	EACH	\$1,323.00	\$6,615.00	\$1,000.00	\$5,000.00	\$965.00	\$4,825.00	\$908.00	\$4,540.00
050	633	SYSTEM ANALYSIS	5	EACH	\$214.00	\$1,070.00	\$50.00	\$250.00	\$77.00	\$385.00	\$73.00	\$365.00
051	633	CONTROL, AS PER PLAN	1	LS	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$8,865.00	\$8,865.00	\$8,340.00	\$8,340.00
052	633	CONTROLLER ITEM, MISC.: PREEMPTION, PRIORITY CONTROL, AS PER PLAN	5	EACH	\$6,000.00	\$30,000.00	\$8,000.00	\$40,000.00	\$8,570.00	\$42,850.00	\$8,063.00	\$40,315.00
053	633	CONTROLLER ITEM, MISC.: FIBER OPTIC ETHERNET TRANSCEIVER, AS PER PLAN	5	EACH	\$6,000.00	\$30,000.00	\$2,000.00	\$10,000.00	\$3,355.00	\$16,775.00	\$3,157.00	\$15,785.00
054	644	LANE LINE	1.12	MILE	\$740.00	\$828.80	\$1,500.00	\$1,680.00	\$5,811.09	\$6,508.42	\$1,500.00	\$1,680.00
055	644	CENTER LINE	0.52	MILE	\$2,480.00	\$1,289.60	\$4,000.00	\$2,080.00	\$5,916.75	\$3,076.71	\$4,000.00	\$2,080.00
056	644	CENTER LINE, DOUBLE, BROKEN AND SOLID	0.3	MILE	\$2,480.00	\$744.00	\$4,000.00	\$1,200.00	\$11,622.20	\$3,486.66	\$4,000.00	\$1,200.00
057	644	CHANNELIZING LINE	1938	FT	\$1.10	\$2,131.80	\$1.00	\$1,938.00	\$1.06	\$2,054.28	\$1.20	\$2,325.60
058	644	STOP LINE	636	FT	\$5.50	\$3,498.00	\$5.00	\$3,180.00	\$4.23	\$2,690.28	\$4.75	\$3,021.00
059	644	CROSSWALK LINE	1579	FT	\$2.20	\$3,473.80	\$2.00	\$3,158.00	\$2.11	\$3,331.69	\$2.25	\$3,552.75
060	644	TRANSVERSE/DIAGONAL LINE	286	FT	\$3.80	\$1,086.80	\$4.00	\$1,144.00	\$2.11	\$603.46	\$4.25	\$1,215.50
061	644	ISLAND MARKING	237	SF	\$2.30	\$545.10	\$3.00	\$711.00	\$5.28	\$1,251.36	\$2.50	\$592.50
062	644	RAILROAD SYMBOL MARKING	4	EACH	\$338.00	\$1,352.00	\$500.00	\$2,000.00	\$105.66	\$422.64	\$500.00	\$2,000.00
063	644	PARKING LOT STALL MARKING	160	FT	\$1.10	\$176.00	\$2.00	\$320.00	\$1.06	\$169.60	\$2.00	\$320.00
064	644	LANE ARROW	45	EACH	\$76.00	\$3,420.00	\$70.00	\$3,150.00	\$63.39	\$2,852.55	\$75.00	\$3,375.00
065	644	REMOVAL OF PAVEMENT MARKING	2	EACH	\$62.00	\$124.00	\$70.00	\$140.00	\$79.24	\$158.48	\$75.00	\$150.00
STREETSCAPE												
066	SPEC	TREE PLANTING WITH GRATE (DECIDUOUS TREE, 3" CALIPER, GLADITSIA TRIACANTHOS, (SKYLINE THORNLESS HONEY LOCUST)	79	EACH	\$1,200.00	\$94,800.00	\$1,500.00	\$118,500.00	\$1,835.00	\$144,965.00	\$1,300.00	\$102,700.00
067	662	LANDSCAPE WATERING	2	M GAL	\$63.00	\$126.00	\$50.00	\$100.00	\$16.00	\$32.00	\$5.00	\$10.00
MISCELLANEOUS												
068	614	MAINTAINING TRAFFIC	1	LS	\$125,000.00	\$125,000.00	\$35,000.00	\$35,000.00	\$78,000.00	\$78,000.00	\$65,000.00	\$65,000.00
069	619	FIELD OFFICE, TYPE C	18	MONTH	\$2,000.00	\$36,000.00	\$1,500.00	\$27,000.00	\$1,640.00	\$29,520.00	\$1,500.00	\$27,000.00
070	623	CONSTRUCTION LAYOUT STAKES	1	LS	\$100,000.00	\$100,000.00	\$35,000.00	\$35,000.00	\$26,000.00	\$26,000.00	\$23,500.00	\$23,500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Kenmore Construction Co.		2. Shelly & Sands Inc.		3. Karvo Paving Com.		
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
ROADWAY													
071	624	MOBILIZATION	1	LS	\$325,000.00	\$325,000.00	\$27,000.00	\$27,000.00	\$54,000.00	\$54,000.00	\$143,000.00	\$143,000.00	
072	103.05	Contract Performance Bond	1	LS	\$100,000.00	\$100,000.00	\$20,000.00	\$20,000.00	\$38,000.00	\$38,000.00	\$42,000.00	\$42,000.00	
073	SPEC	Computer Equipment	1	Allowance	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	
ALTERNATE #1													
1	SPEC	GEOGRID (TENSAR BX-1200)	7400	SY	\$4.00	\$29,600.00	\$5.50	\$40,700.00	\$5.86	\$43,364.00	\$5.50	\$40,700.00	
ALTERNATE #2													
2	632	SIGNALIZATION MISC.: VIDEO DETECTION UNIT, AS PER PLAN	5	EACH	\$3,000.00	\$15,000.00	\$22,500.00	\$112,500.00	\$27,906.69	\$139,533.45	\$26,287.00	\$131,435.00	
ALTERNATE #3													
3	633	CONTROLLER ITEM, MISC.: PREEMPTION, PRIORITY CONTROL, AS PER PLAN	5	EACH	\$6,000.00	\$30,000.00	\$9,000.00	\$45,000.00	\$8,559.81	\$42,799.05	\$8,063.00	\$40,315.00	
TOTAL CONSTRUCTION COSTS						\$4,381,505.37		\$3,921,804.63		\$4,575,313.43		\$4,683,398.13	
+/- ENGINEER'S ESTIMATE								-10.5%		+4.4%		+6.9%	
ALTERNATE #1													
TOTAL CONSTRUCTION COSTS						\$29,600.00		\$40,700.00		\$5.86	\$43,364.00	\$5.50	\$40,700.00
+/- ENGINEER'S ESTIMATE								+37.5%		+46.5%		+37.5%	
ALTERNATE #2													
TOTAL CONSTRUCTION COSTS						\$15,000.00		\$112,500.00		\$139,533.45	\$26,287.00	\$131,435.00	
+/- ENGINEER'S ESTIMATE								+650.0%		+830.2%		+776.2%	
ALTERNATE #3													
TOTAL CONSTRUCTION COSTS						\$30,000.00		\$45,000.00		\$42,799.05	\$8,063.00	\$40,315.00	
+/- ENGINEER'S ESTIMATE								+50.0%		+42.7%		+34.4%	

* Reference #'s 219, 220, and 257 corrections initialed but not dated