

PUBLIC IMPROVEMENT TO STATE ROAD AND PORTAGE TRAIL

CITY OF CUYAHOGA FALLS					ENGINEERS ESTIMATE		KARVO**		FECHKO		KENMORE		LIBERTA	
ITEM NO.	SPEC. REF.	ITEM DESCRIPTION	UNIT MEASURE	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
		ROADWAY												
1	201	Clearing and Grubbing	Lump	1	\$ 15,000.00	\$ 15,000.00	\$ 2,500.00	\$ 2,500.00	\$ 65,500.00	\$ 65,500.00	\$ 5,000.00	\$ 5,000.00	\$ 5,450.00	\$ 5,450.00
2	202	Concrete Curb Removed	Lin. Ft.	4262	\$ 3.50	\$ 14,917.00	\$ 4.75	\$ 20,244.50	\$ 3.00	\$ 12,786.00	\$ 2.50	\$ 10,655.00	\$ 4.00	\$ 17,048.00
3	202	Concrete Approach Removed	Sq. Ft.	11455	\$ 1.50	\$ 17,182.50	\$ 1.00	\$ 11,455.00	\$ 1.00	\$ 11,455.00	\$ 1.00	\$ 11,455.00	\$ 3.00	\$ 34,365.00
4	202	Embossed Concrete Removed	Sq. Ft.	3296	\$ 1.00	\$ 3,296.00	\$ 1.20	\$ 3,955.20	\$ 1.55	\$ 5,108.80	\$ 1.00	\$ 3,296.00	\$ 2.00	\$ 6,592.00
5	202	Walk Removed	Sq. Ft.	18073	\$ 2.00	\$ 36,146.00	\$ 1.00	\$ 18,073.00	\$ 1.00	\$ 18,073.00	\$ 1.00	\$ 18,073.00	\$ 2.00	\$ 36,146.00
6	202	Pavement Removed	Sq. Yd.	129	\$ 20.00	\$ 2,580.00	\$ 9.20	\$ 1,186.80	\$ 5.00	\$ 645.00	\$ 20.00	\$ 2,580.00	\$ 19.00	\$ 2,451.00
7	202	Catch Basin Removed	Each	8	\$ 320.00	\$ 2,560.00	\$ 500.00	\$ 4,000.00	\$ 450.00	\$ 3,600.00	\$ 200.00	\$ 1,600.00	\$ 400.00	\$ 3,200.00
8	202	Removal Misc.: Bus Structure	Each	2	\$ 500.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 1,200.00	\$ 2,400.00	\$ 1,000.00	\$ 2,000.00	\$ 450.00	\$ 900.00
9	202	Removal Misc.: Sign	Each	11	\$ 100.00	\$ 1,100.00	\$ 136.00	\$ 1,496.00	\$ 800.00	\$ 8,800.00	\$ 50.00	\$ 550.00	\$ 136.00	\$ 1,496.00
10	203	Excavation Not Including Embankment Construction	Cu. Yd.	3035	\$ 9.00	\$ 27,315.00	\$ 10.00	\$ 30,350.00	\$ 18.00	\$ 54,630.00	\$ 20.00	\$ 60,700.00	\$ 16.45	\$ 49,925.75
11	203	Embankment	Cu. Yd.	879	\$ 25.00	\$ 21,975.00	\$ 12.00	\$ 10,548.00	\$ 5.00	\$ 4,395.00	\$ 15.00	\$ 13,185.00	\$ 11.00	\$ 9,669.00
12	203	Subgrade Compaction	Sq. Yd.	2592	\$ 1.50	\$ 3,888.00	\$ 2.00	\$ 5,184.00	\$ 4.00	\$ 10,368.00	\$ 2.00	\$ 5,184.00	\$ 1.00	\$ 2,592.00
13	204	Proof Rolling	Hours	4	\$ 180.00	\$ 720.00	\$ 130.00	\$ 520.00	\$ 130.00	\$ 520.00	\$ 100.00	\$ 400.00	\$ 85.00	\$ 340.00
14	608	Monument Adjusted to Grade	Each	4	\$ 375.00	\$ 1,500.00	\$ 400.00	\$ 1,600.00	\$ 300.00	\$ 1,200.00	\$ 225.00	\$ 900.00	\$ 546.00	\$ 2,184.00
15	Special	Roadway Misc.: Inspection Well Adjusted to Grade	Each	4	\$ 500.00	\$ 2,000.00	\$ 475.00	\$ 1,900.00	\$ 300.00	\$ 1,200.00	\$ 225.00	\$ 900.00	\$ 560.00	\$ 2,240.00
16	Special	Work Involving Petroleum Contaminated Soil	Cu. Yd.	10	\$ 500.00	\$ 5,000.00	\$ 110.00	\$ 1,100.00	\$ 130.00	\$ 1,300.00	\$ 350.00	\$ 3,500.00	\$ 1,300.00	\$ 13,000.00
17	659	Mowing	M Sq. Ft.	17	\$ 2.00	\$ 34.00	\$ 4.41	\$ 74.97	\$ 4.50	\$ 76.50	\$ 1.00	\$ 17.00	\$ 35.00	\$ 595.00
18	659	Commercial Fertilizer	Ton	0.02	\$ 500.00	\$ 10.00	\$ 400.00	\$ 8.00	\$ 400.00	\$ 8.00	\$ 400.00	\$ 8.00	\$ 500.00	\$ 10.00
19	659	Repair Seeding and Mulching	Sq. Yd.	80	\$ 0.50	\$ 40.00	\$ 2.50	\$ 200.00	\$ 2.50	\$ 200.00	\$ 2.00	\$ 160.00	\$ 3.25	\$ 260.00
20	659	Water	M. Gal.	14	\$ 1.50	\$ 21.00	\$ 25.00	\$ 350.00	\$ 30.00	\$ 420.00	\$ 5.00	\$ 70.00	\$ 25.00	\$ 350.00
21	659	Seeding and Mulching	Sq. Yd.	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	832	Storm Water Pollution Prevention Plan	Lump	1	\$ 20,000.00	\$ 20,000.00	\$ 9,000.00	\$ 9,000.00	\$ 45,000.00	\$ 45,000.00	\$ 5,500.00	\$ 5,500.00	\$ 5,900.00	\$ 5,900.00
23	832	Erosion Control	Allowance	20000	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00	\$ 1.00	\$ 20,000.00
24	254	Pavement Planing	Sq. Yd.	18507	\$ 3.50	\$ 64,774.50	\$ 2.25	\$ 41,640.75	\$ 1.30	\$ 24,059.10	\$ 1.25	\$ 23,133.75	\$ 3.65	\$ 67,550.55
25	301	Asphalt Concrete Base	Cu. Yd.	504	\$ 150.00	\$ 75,600.00	\$ 175.00	\$ 88,200.00	\$ 130.00	\$ 65,520.00	\$ 130.00	\$ 65,520.00	\$ 147.50	\$ 74,340.00
26	304	Aggregate Base (limestone)	Cu. Yd.	992	\$ 42.00	\$ 41,664.00	\$ 52.00	\$ 51,584.00	\$ 45.00	\$ 44,640.00	\$ 46.00	\$ 45,632.00	\$ 39.75	\$ 39,432.00
27	407	Tack Coat	Gal.	1559	\$ 2.60	\$ 4,053.40	\$ 2.25	\$ 3,507.75	\$ 2.25	\$ 3,507.75	\$ 3.00	\$ 4,677.00	\$ 4.00	\$ 6,236.00
28	407	Tack Coat for Intermediate Course	Gal.	1559	\$ 2.60	\$ 4,053.40	\$ 2.25	\$ 3,507.75	\$ 2.25	\$ 3,507.75	\$ 3.00	\$ 4,677.00	\$ 4.00	\$ 6,236.00
29	408	Prime Coat	Gal.	1037	\$ 3.40	\$ 3,525.80	\$ 3.50	\$ 3,629.50	\$ 3.50	\$ 3,629.50	\$ 5.00	\$ 5,185.00	\$ 4.79	\$ 4,967.23
30	448	Asphalt Concrete Surface Course, Type 1, PG64-22	Cu. Yd.	722	\$ 175.00	\$ 126,350.00	\$ 175.00	\$ 126,350.00	\$ 150.00	\$ 108,300.00	\$ 155.00	\$ 111,910.00	\$ 156.00	\$ 112,632.00
31	448	Asphalt Conc. Intermediate Course, Type 2, PG64-22	Cu. Yd.	1011	\$ 170.00	\$ 171,870.00	\$ 120.00	\$ 121,320.00	\$ 115.00	\$ 116,265.00	\$ 130.00	\$ 131,430.00	\$ 118.50	\$ 119,803.50
32	452	8" Plain Concrete Pavement	Sq. Yd.	768	\$ 50.00	\$ 38,400.00	\$ 39.00	\$ 29,952.00	\$ 43.00	\$ 33,024.00	\$ 65.00	\$ 49,920.00	\$ 59.00	\$ 45,312.00
33	609	Curb, Type 3	Lin. Ft.	230	\$ 28.00	\$ 6,440.00	\$ 22.00	\$ 5,060.00	\$ 25.00	\$ 5,750.00	\$ 24.00	\$ 5,520.00	\$ 19.90	\$ 4,577.00
34	609	Curb, Type 6	Lin. Ft.	4740	\$ 12.50	\$ 59,250.00	\$ 13.00	\$ 61,620.00	\$ 10.50	\$ 49,770.00	\$ 18.00	\$ 85,320.00	\$ 15.71	\$ 74,465.40
35	609	Concrete Traffic Island, As Per Plan	Sq. Yd.	130	\$ 75.00	\$ 9,750.00	\$ 39.00	\$ 5,070.00	\$ 65.00	\$ 8,450.00	\$ 54.00	\$ 7,020.00	\$ 85.00	\$ 11,050.00
36	603	4" Conduit, Type E	Lin. Ft.	200	\$ 7.00	\$ 1,400.00	\$ 6.00	\$ 1,200.00	\$ 7.00	\$ 1,400.00	\$ 1.50	\$ 300.00	\$ 18.00	\$ 3,600.00
37	603	4" Conduit, Type B, 707.33	Lin. Ft.	526	\$ 19.00	\$ 9,994.00	\$ 12.50	\$ 6,575.00	\$ 10.60	\$ 5,575.60	\$ 18.00	\$ 9,468.00	\$ 19.00	\$ 9,994.00
38	603	6" Conduit, Type E	Lin. Ft.	242	\$ 15.00	\$ 3,630.00	\$ 14.00	\$ 3,388.00	\$ 7.42	\$ 1,795.64	\$ 10.00	\$ 2,420.00	\$ 20.00	\$ 4,840.00
39	603	12" Conduit, Type B	Lin. Ft.	513	\$ 40.00	\$ 20,520.00	\$ 106.00	\$ 54,378.00	\$ 130.00	\$ 66,690.00	\$ 150.00	\$ 76,950.00	\$ 114.75	\$ 58,866.75
40	603	Conduit Misc: 3" Conduit, Type E	Lin. Ft.	100	\$ 6.00	\$ 600.00	\$ 9.00	\$ 900.00	\$ 11.00	\$ 1,100.00	\$ 1.50	\$ 150.00	\$ 16.00	\$ 1,600.00
41	604	Catch Basin, No. 3	Each	12	\$ 2,500.00	\$ 30,000.00	\$ 2,500.00	\$ 30,000.00	\$ 900.00	\$ 10,800.00	\$ 2,500.00	\$ 30,000.00	\$ 2,160.00	\$ 25,920.00
42	604	Catch Basin, No. 3A	Each	2	\$ 1,900.00	\$ 3,800.00	\$ 1,900.00	\$ 3,800.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 4,000.00	\$ 1,840.00	\$ 3,680.00
43	604	Catch Basin Reconstructed to Grade	Each	1	\$ 1,000.00	\$ 1,000.00	\$ 900.00	\$ 900.00	\$ 600.00	\$ 600.00	\$ 1,400.00	\$ 1,400.00	\$ 798.00	\$ 798.00
44	604	Catch Basin Gate, Type3	Each	4	\$ 400.00	\$ 1,600.00	\$ 120.00	\$ 480.00	\$ 700.00	\$ 2,800.00	\$ 750.00	\$ 3,000.00	\$ 855.00	\$ 3,420.00
45	604	Catch Basin Gate, Type3A	Each	4	\$ 200.00	\$ 800.00	\$ 120.00	\$ 480.00	\$ 375.00	\$ 1,500.00	\$ 500.00	\$ 2,000.00	\$ 545.00	\$ 2,180.00
46	604	Inlet No. 1	Each	10	\$ 750.00	\$ 7,500.00	\$ 1,300.00	\$ 13,000.00	\$ 650.00	\$ 6,500.00	\$ 500.00	\$ 5,000.00	\$ 3,191.00	\$ 31,910.00
47	604	Manhole, No. 3 (Drainage)	Each	2	\$ 2,500.00	\$ 5,000.00	\$ 3,800.00	\$ 7,600.00	\$ 1,100.00	\$ 2,200.00	\$ 3,500.00	\$ 7,000.00	\$ 2,650.00	\$ 5,300.00
48	604	Manhole Adjusted to Grade	Each	17	\$ 500.00	\$ 8,500.00	\$ 500.00	\$ 8,500.00	\$ 350.00	\$ 5,950.00	\$ 350.00	\$ 5,950.00	\$ 514.00	\$ 8,738.00
49	604	Manhole Reconstructed to Grade	Each	5	\$ 1,345.00	\$ 6,725.00	\$ 975.00	\$ 4,875.00	\$ 650.00	\$ 3,250.00	\$ 1,200.00	\$ 6,000.00	\$ 1,086.00	\$ 5,430.00
50	604	Inlet Adjusted to Grade	Each	4	\$ 700.00	\$ 2,800.00	\$ 400.00	\$ 1,600.00	\$ 325.00	\$ 1,300.00	\$ 350.00	\$ 1,400.00	\$ 770.00	\$ 3,080.00
51	605	6" Shallow Pipe Underdrains	Lin. Ft.	3773	\$ 7.00	\$ 26,411.00	\$ 7.00	\$ 26,411.00	\$ 7.00	\$ 26,411.00	\$ 9.00	\$ 33,957.00	\$ 11.50	\$ 43,389.50
52	605	6" Unclassified Pipe Underdrains	Lin. Ft.	30	\$ 18.00	\$ 540.00	\$ 7.00	\$ 210.00	\$ 16.00	\$ 480.00	\$ 13.00	\$ 390.00	\$ 15.00	\$ 450.00
53	835	4' Exfiltration Trench, Type C	Lin. Ft.	24	\$ 120.00	\$ 2,880.00	\$ 108.00	\$ 2,592.00	\$ 90.00	\$ 2,160.00	\$ 110.00	\$ 2,640.00	\$ 139.00	\$ 3,336.00
54	835	8' Exfiltration Trench, Type C	Lin. Ft.	40	\$ 120.00	\$ 4,800.00	\$ 93.00	\$ 3,720.00	\$ 65.00	\$ 2,600.00	\$ 110.00	\$ 4,400.00	\$ 137.00	\$ 5,480.00
55	835	12' Exfiltration Trench, Type C	Lin. Ft.	12	\$ 120.00	\$ 1,440.00	\$ 105.00	\$ 1,260.00	\$ 65.00	\$ 780.00	\$ 125.00	\$ 1,500.00	\$ 148.00	\$ 1,776.00
56	835	20' Exfiltration Trench, Type C	Lin. Ft.	20	\$ 120.00	\$ 2,400.00	\$ 100.00	\$ 2,000.00	\$ 58.00	\$ 1,160.00	\$ 125.00	\$ 2,500.00	\$ 163.00	\$ 3,260.00
57	Special	Miscellaneous Metal	Lbs.	1000	\$ 1.30	\$ 1,300.00	\$ 1.00	\$ 1,000.00	\$ 3.00	\$ 3,000.00	\$ 1.00	\$ 1,000.00	\$ 2.20	\$ 2,200.00
58	Special	Fill and Plug Existing Conduit	Lin. Ft.	20	\$ 20.00	\$ 400.00	\$ 45.00	\$ 900.00	\$ 57.00	\$ 1,140.00	\$ 20.00	\$ 400.00	\$ 40.00	\$ 800.00
59	638	16" WM, DI Pipe CL 53, Push on Joints & Fittings	Lin. Ft.	100	\$ 300.00	\$ 30,000.00	\$ 60.00	\$ 6,000.00	\$ 270.00	\$ 27,000.00	\$ 175.00	\$ 17,500.00	\$ 194.00	\$ 19,400.00
60	638	12" WM, DI Pipe CL 53, Push on Joints & Fittings	Lin. Ft.	200	\$ 120.00	\$ 24,000.00	\$ 80.00	\$ 16,000.00	\$ 200.00	\$ 40,000.00	\$ 125.00	\$ 25,000.00	\$ 137.00	\$ 27,400.00
61	638	6" WM, DI Pipe CL 53, Push on Joints & Fittings	Lin. Ft.	200	\$ 80.00	\$ 16,000.00	\$ 60.00	\$ 12,000.00	\$ 170.00	\$ 34,000.00	\$ 100.00	\$ 20,000.00	\$ 119.00	\$ 23,800.00
62	638	Service Box Adjusted to Grade	Each	23	\$ 100.00	\$ 2,300.00	\$ 40.00	\$ 920.00	\$ 255.00	\$ 5,865.00	\$ 200.00	\$ 4,600.00	\$ 75.00	\$ 1,725.00
63	638	¾" Copper Service Branch	Lin. Ft.	100	\$ 50.00	\$ 5,000.00	\$ 56.00	\$ 5,600.00	\$ 33.00	\$ 3,300.00	\$ 20.00	\$ 2,000.00	\$ 139.50	\$ 13,950.00

PUBLIC IMPROVEMENT TO STATE ROAD AND PORTAGE TRAIL

CITY OF CUYAHOGA FALLS					ENGINEERS ESTIMATE		KARVO**		FECHKO		KENMORE		LIBERTA	
ITEM NO.	SPEC. REF.	ITEM DESCRIPTION	UNIT MEASURE	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
64	638	1" Copper Service Branch	Lin. Ft.	100	\$ 65.00	\$ 6,500.00	\$ 59.00	\$ 5,900.00	\$ 33.00	\$ 3,300.00	\$ 25.00	\$ 2,500.00	\$ 150.50	\$ 15,050.00
65	638	Valve Box Adjusted to Grade	Each	24	\$ 225.00	\$ 5,400.00	\$ 225.00	\$ 5,400.00	\$ 260.00	\$ 6,240.00	\$ 200.00	\$ 4,800.00	\$ 300.00	\$ 7,200.00
66	638	Fire Hydrant Removed and Reset	Each	4	\$ 1,800.00	\$ 7,200.00	\$ 2,100.00	\$ 8,400.00	\$ 2,200.00	\$ 8,800.00	\$ 6,000.00	\$ 24,000.00	\$ 1,405.00	\$ 5,620.00
67	603	8" Conduit, Type B, 707.44	Lin. Ft.	622	\$ 40.00	\$ 24,880.00	\$ 158.00	\$ 98,276.00	\$ 130.00	\$ 80,860.00	\$ 210.00	\$ 130,620.00	\$ 146.00	\$ 90,812.00
68	604	Manhole, No. 3 (Sanitary)	Each	4	\$ 2,500.00	\$ 10,000.00	\$ 5,000.00	\$ 20,000.00	\$ 2,200.00	\$ 8,800.00	\$ 4,000.00	\$ 16,000.00	\$ 3,470.00	\$ 13,880.00
69	603	6" Conduit, Type B, 707.44	Lin. Ft.	420	\$ 18.00	\$ 7,560.00	\$ 142.00	\$ 59,640.00	\$ 125.00	\$ 52,500.00	\$ 165.00	\$ 69,300.00	\$ 107.00	\$ 44,940.00
70	614	Asphalt Concrete for Maintaining Traffic	Cu. Yd.	100	\$ 75.00	\$ 7,500.00	\$ 195.00	\$ 19,500.00	\$ 175.00	\$ 17,500.00	\$ 200.00	\$ 20,000.00	\$ 175.00	\$ 17,500.00
71	410	Traffic Compacted Surface	Cu. Yd.	100	\$ 30.00	\$ 3,000.00	\$ 22.00	\$ 2,200.00	\$ 52.00	\$ 5,200.00	\$ 18.00	\$ 1,800.00	\$ 39.00	\$ 3,900.00
72	614	Work Zone Lane Line, Class I	Mile	2	\$ 590.00	\$ 1,180.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00	\$ 500.00	\$ 1,000.00
73	614	Work Zone Center Line, Class I	Mile	3	\$ 780.00	\$ 2,340.00	\$ 1,200.00	\$ 3,600.00	\$ 1,200.00	\$ 3,600.00	\$ 1,200.00	\$ 3,600.00	\$ 1,200.00	\$ 3,600.00
74	614	Work Zone Edge Line, Class I	Mile	6	\$ 700.00	\$ 4,200.00	\$ 800.00	\$ 4,800.00	\$ 800.00	\$ 4,800.00	\$ 900.00	\$ 5,400.00	\$ 800.00	\$ 4,800.00
75	614	Work Zone Stop Line, Class I	Lin. Ft.	400	\$ 4.00	\$ 1,600.00	\$ 3.00	\$ 1,200.00	\$ 3.00	\$ 1,200.00	\$ 5.00	\$ 2,000.00	\$ 3.00	\$ 1,200.00
76	614	Work Zone Lane Arrow, Class I	Each	15	\$ 70.00	\$ 1,050.00	\$ 65.00	\$ 975.00	\$ 65.00	\$ 975.00	\$ 65.00	\$ 975.00	\$ 65.00	\$ 975.00
77	614	Work Zone Channelizing Line, Class I	Lin. Ft.	800	\$ 1.10	\$ 880.00	\$ 0.80	\$ 640.00	\$ 0.80	\$ 640.00	\$ 1.00	\$ 800.00	\$ 0.80	\$ 640.00
78	Special	Replacement Drum	Each	75	\$ 60.00	\$ 4,500.00	\$ 50.00	\$ 3,750.00	\$ 50.00	\$ 3,750.00	\$ 60.00	\$ 4,500.00	\$ 90.00	\$ 6,750.00
79	614	Law Enforcement Officer (with Patrol Car)	Hour	100	\$ 70.00	\$ 7,000.00	\$ 50.00	\$ 5,000.00	\$ 60.00	\$ 6,000.00	\$ 55.00	\$ 5,500.00	\$ 58.00	\$ 5,800.00
80	616	Water	M. Gal.	50	\$ 25.00	\$ 1,250.00	\$ 10.00	\$ 500.00	\$ 40.00	\$ 2,000.00	\$ 5.00	\$ 250.00	\$ 10.00	\$ 500.00
81	616	Calcium Chloride	Ton	5	\$ 290.00	\$ 1,450.00	\$ 100.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 100.00	\$ 500.00	\$ 10.00	\$ 50.00
82	614	Maintaining Traffic	Lump	1	\$ 115,000.00	\$ 115,000.00	\$ 96,500.00	\$ 96,500.00	\$ 155,160.18	\$ 155,160.18	\$ 75,000.00	\$ 75,000.00	\$ 139,835.00	\$ 139,835.00
83	623	Construction Layout Stakes	Lump	1	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	\$ 15,000.00	\$ 85,000.00	\$ 85,000.00	\$ 40,000.00	\$ 40,000.00	\$ 139,835.00	\$ 139,835.00
84	624	Mobilization	Lump	1	\$ 50,000.00	\$ 50,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 75,000.00	\$ 75,000.00	\$ 139,835.00	\$ 139,835.00
85	619	Field Office, Type B	Month	12	\$ 1,800.00	\$ 21,600.00	\$ 1,000.00	\$ 12,000.00	\$ 900.00	\$ 10,800.00	\$ 2,000.00	\$ 24,000.00	\$ 1,600.00	\$ 19,200.00
		TRAFFIC CONTROL			\$ -	\$ -	\$ -	\$ -						
86	603	4" Conduit, Type E	Lin. Ft.	400	\$ 2.50	\$ 1,000.00	\$ 7.20	\$ 2,880.00	\$ 6.15	\$ 2,460.00	\$ 6.00	\$ 2,400.00	\$ 7.17	\$ 2,868.00
87	625	Conduit 2", 725.04	Lin. Ft.	1160	\$ 12.00	\$ 13,920.00	\$ 6.30	\$ 7,308.00	\$ 12.95	\$ 15,022.00	\$ 7.00	\$ 8,120.00	\$ 8.00	\$ 9,280.00
88	625	Conduit 3", 725.04	Lin. Ft.	3580	\$ 17.00	\$ 60,860.00	\$ 12.00	\$ 42,960.00	\$ 17.35	\$ 62,113.00	\$ 10.00	\$ 35,800.00	\$ 12.00	\$ 42,960.00
89	625	Trench	Lin. Ft.	474	\$ 8.00	\$ 3,792.00	\$ 6.90	\$ 3,270.60	\$ 9.00	\$ 4,266.00	\$ 15.00	\$ 7,110.00	\$ 88.00	\$ 41,712.00
90	625	Trench in Paved Areas, TYPE A	Lin. Ft.	1000	\$ 22.00	\$ 22,000.00	\$ 12.50	\$ 12,500.00	\$ 9.05	\$ 9,050.00	\$ 50.00	\$ 50,000.00	\$ 45.00	\$ 45,000.00
91	625	Trench in Paved Areas, TYPE B	Lin. Ft.	633	\$ 20.00	\$ 12,660.00	\$ 29.70	\$ 18,800.10	\$ 27.45	\$ 17,375.85	\$ 75.00	\$ 47,475.00	\$ 68.00	\$ 43,044.00
92	625	Pull Box 18", 725.08	Each	50	\$ 500.00	\$ 25,000.00	\$ 580.00	\$ 29,000.00	\$ 785.00	\$ 39,250.00	\$ 600.00	\$ 30,000.00	\$ 606.00	\$ 30,300.00
93	625	Pull Box 24", 725.08	Each	8	\$ 750.00	\$ 6,000.00	\$ 740.00	\$ 5,920.00	\$ 865.00	\$ 6,920.00	\$ 700.00	\$ 5,600.00	\$ 774.00	\$ 6,192.00
94	625	Conduit Jacked or Drilled, 75.04, 3"	Lin. Ft.	740	\$ 28.00	\$ 20,720.00	\$ 31.05	\$ 22,977.00	\$ 30.10	\$ 22,274.00	\$ 65.00	\$ 48,100.00	\$ 32.00	\$ 23,680.00
95	625	Ground Rod	Each	42	\$ 150.00	\$ 6,300.00	\$ 117.00	\$ 4,914.00	\$ 180.00	\$ 7,560.00	\$ 100.00	\$ 4,200.00	\$ 117.00	\$ 4,914.00
96	625	Ground Rod, As Per Plan	Each	5	\$ 150.00	\$ 750.00	\$ 134.00	\$ 670.00	\$ 180.00	\$ 900.00	\$ 100.00	\$ 500.00	\$ 134.00	\$ 670.00
97	625	Plastic Caution Tape	Lin. Ft.	21252	\$ 0.50	\$ 10,626.00	\$ 0.82	\$ 17,426.64	\$ 0.01	\$ 212.52	\$ 0.50	\$ 10,626.00	\$ 0.82	\$ 17,426.64
98	625	Reuse Conduit, As Per Plan	Lin. Ft.	1000	\$ 4.00	\$ 4,000.00	\$ 0.27	\$ 270.00	\$ 0.65	\$ 650.00	\$ 1.00	\$ 1,000.00	\$ 1.47	\$ 1,470.00
99	625	Reuse Pullbox, As Per Plan	Each	14	\$ 100.00	\$ 1,400.00	\$ 136.00	\$ 1,904.00	\$ 130.00	\$ 1,820.00	\$ 100.00	\$ 1,400.00	\$ 166.00	\$ 2,324.00
101	630	Rigid Overhead Sign Support Foundation	Each	3	\$ 2,000.00	\$ 6,000.00	\$ 3,200.00	\$ 9,600.00	\$ 2,610.00	\$ 7,830.00	\$ 3,000.00	\$ 9,000.00	\$ 3,200.00	\$ 9,600.00
102	630	Ground Mounted Support, No. 4 Post	Lin. Ft.	52	\$ 15.00	\$ 780.00	\$ 8.00	\$ 416.00	\$ 14.50	\$ 754.00	\$ 7.00	\$ 364.00	\$ 8.00	\$ 416.00
103	630	Ground Mounted Support, No. 3 Post	Lin. Ft.	572	\$ 12.00	\$ 6,864.00	\$ 5.80	\$ 3,317.60	\$ 12.45	\$ 7,121.40	\$ 5.00	\$ 2,860.00	\$ 5.80	\$ 3,317.60
104	630	Overhead Sign Support, Type TC-16.21, Design 2, 20' Arm, As Per Plan	Each	1	\$ 3,500.00	\$ 3,500.00	\$ 8,900.00	\$ 8,900.00	\$ 5,760.00	\$ 5,760.00	\$ 8,200.00	\$ 8,200.00	\$ 8,900.00	\$ 8,900.00
105	630	Overhead Sign Support, Type TC-16.21, Design 2, 23' Arm, As Per Plan	Each	1	\$ 3,500.00	\$ 3,500.00	\$ 9,100.00	\$ 9,100.00	\$ 6,035.00	\$ 6,035.00	\$ 8,800.00	\$ 8,800.00	\$ 9,100.00	\$ 9,100.00
106	630	Overhead Sign Support, Type TC-16.21, Design 2, 15' Arm, As Per Plan	Each	1	\$ 3,500.00	\$ 3,500.00	\$ 8,800.00	\$ 8,800.00	\$ 5,460.00	\$ 5,460.00	\$ 8,000.00	\$ 8,000.00	\$ 8,800.00	\$ 8,800.00
107	630	Sign Hanger Assembly Mast Arm	Each	10	\$ 160.00	\$ 1,600.00	\$ 285.00	\$ 2,850.00	\$ 350.00	\$ 3,500.00	\$ 250.00	\$ 2,500.00	\$ 285.00	\$ 2,850.00
108	630	Sign Support Assembly Pole Mounted	Each	1	\$ 100.00	\$ 100.00	\$ 75.00	\$ 75.00	\$ 105.00	\$ 105.00	\$ 75.00	\$ 75.00	\$ 75.00	\$ 75.00
109	630	Sign, Flat Sheeting, Type H, As Per Plan	Sq. Ft.	358.2	\$ 15.00	\$ 5,373.00	\$ 14.00	\$ 5,014.80	\$ 16.00	\$ 5,731.20	\$ 16.00	\$ 5,731.20	\$ 14.00	\$ 5,014.80
110	630	School Flasher Assembly (LED), As Per Plan	Each	3	\$ 300.00	\$ 900.00	\$ 1,320.00	\$ 3,960.00	\$ 1,255.00	\$ 3,765.00	\$ 1,000.00	\$ 3,000.00	\$ 1,318.00	\$ 3,954.00
111	630	Removal of TC-16.1, As Per Plan	Each	1	\$ 3,500.00	\$ 3,500.00	\$ 1,075.00	\$ 1,075.00	\$ 775.00	\$ 775.00	\$ 300.00	\$ 300.00	\$ 1,116.00	\$ 1,116.00
112	632	Vehicular Signal Head, (LED) (BLACK) 3 Section, 12" Lens, 1-Way, Polycarbonate w/ Backplate, As Per Plan	Each	28	\$ 700.00	\$ 19,600.00	\$ 736.00	\$ 20,608.00	\$ 585.00	\$ 16,380.00	\$ 550.00	\$ 15,400.00	\$ 736.00	\$ 20,608.00
113	632	Vehicular Signal Head, (LED) (BLACK) 5 Section, 12" Lens, 1-Way, Polycarbonate w/ Backplate, As Per Plan	Each	16	\$ 1,000.00	\$ 16,000.00	\$ 1,240.00	\$ 19,840.00	\$ 985.00	\$ 15,760.00	\$ 900.00	\$ 14,400.00	\$ 1,239.36	\$ 19,829.76
114	632	Pedestrian Signal Head, Type D2, Count Down, As Per Plan	Each	34	\$ 400.00	\$ 13,600.00	\$ 472.00	\$ 16,048.00	\$ 480.00	\$ 16,320.00	\$ 525.00	\$ 17,850.00	\$ 481.00	\$ 16,354.00
115	632	Pedestrian Pushbutton, As Per Plan	Each	34	\$ 125.00	\$ 4,250.00	\$ 154.00	\$ 5,236.00	\$ 182.55	\$ 6,206.70	\$ 150.00	\$ 5,100.00	\$ 155.00	\$ 5,270.00
116	632	Loop Detector Unit, As Per Plan	Each	31	\$ 400.00	\$ 12,400.00	\$ 203.00	\$ 6,293.00	\$ 95.75	\$ 2,968.25	\$ 120.00	\$ 3,720.00	\$ 203.00	\$ 6,293.00
117	632	Reuse of loop Detector Unit	Each	2	\$ 30.00	\$ 60.00	\$ 1.70	\$ 3.40	\$ 64.60	\$ 129.20	\$ 30.00	\$ 60.00	\$ 2.00	\$ 4.00
118	632	Loop Detector Unit, Delay and Extension Type, As Per Plan	Each	2	\$ 400.00	\$ 800.00	\$ 308.00	\$ 616.00	\$ 195.00	\$ 390.00	\$ 260.00	\$ 520.00	\$ 308.00	\$ 616.00
119	632	Signal Support Foundation, As Per Plan	Each	16	\$ 2,500.00	\$ 40,000.00	\$ 1,833.00	\$ 29,328.00	\$ 2,820.00	\$ 45,120.00	\$ 3,000.00	\$ 48,000.00	\$ 1,900.00	\$ 30,400.00
120	632	Pedestal Foundation, As Per Plan	Each	23	\$ 550.00	\$ 12,650.00	\$ 390.00	\$ 8,970.00	\$ 590.00	\$ 13,570.00	\$ 500.00	\$ 11,500.00	\$ 398.00	\$ 9,154.00
121	632	Signal Support, Type TC-81.21 Design 4, 25' Arm, As Per Plan	Each	1	\$ 6,000.00	\$ 6,000.00	\$ 7,695.00	\$ 7,695.00	\$ 7,660.00	\$ 7,660.00	\$ 7,000.00	\$ 7,000.00	\$ 7,694.00	\$ 7,694.00
122	632	Signal Support, Type TC-81.21 Design 4, 29' Arm, As Per Plan	Each	1	\$ 6,000.00	\$ 6,000.00	\$ 7,588.00	\$ 7,588.00	\$ 7,955.00	\$ 7,955.00	\$ 7,000.00	\$ 7,000.00	\$ 7,588.00	\$ 7,588.00
123	632	Signal Support, Type TC-81.21 Design 4, 32' Arm, As Per Plan	Each	1	\$ 6,000.00	\$ 6,000.00	\$ 7,623.00	\$ 7,623.00	\$ 8,085.00	\$ 8,085.00	\$ 7,000.00	\$ 7,000.00	\$ 7,623.00	\$ 7,623.00
124	632	Signal Support, Type TC-81.21 Design 4, 38' Arm, As Per Plan	Each	1	\$ 6,000.00	\$ 6,000.00	\$ 7,680.00	\$ 7,680.00	\$ 8,630.00	\$ 8,630.00	\$ 8,100.00	\$ 8,100.00	\$ 7,680.00	\$ 7,680.00
125	632	Signal Support, Type TC-81.21 Design 11, 40' Arm, As Per Plan	Each	1	\$ 7,500.00	\$ 7,500.00	\$ 9,736.00	\$ 9,736.						

PUBLIC IMPROVEMENT TO STATE ROAD AND PORTAGE TRAIL

CITY OF CUYAHOGA FALLS					ENGINEERS ESTIMATE		KARVO**		FECHKO		KENMORE		LIBERTA	
ITEM NO.	SPEC. REF.	ITEM DESCRIPTION	UNIT MEASURE	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
128	632	Combination Signal Support, Type TC-81.21, Design 4 w/30' Arm and 26" Bracket, A P P	Each	1	\$ 6,500.00	\$ 6,500.00	\$ 9,187.00	\$ 9,187.00	\$ 8,400.00	\$ 8,400.00	\$ 7,900.00	\$ 7,900.00	\$ 9,187.00	\$ 9,187.00
129	632	Combination Signal Support, Type TC-81.21, Design 4 w/31' Arm and 26" Bracket, A P P	Each	1	\$ 6,500.00	\$ 6,500.00	\$ 8,754.00	\$ 8,754.00	\$ 8,445.00	\$ 8,445.00	\$ 7,900.00	\$ 7,900.00	\$ 8,754.00	\$ 8,754.00
130	632	Combination Signal Support, Type TC-81.21, Design 4 w/32' Arm and 26" Bracket, A P P	Each	1	\$ 6,500.00	\$ 6,500.00	\$ 8,764.00	\$ 8,764.00	\$ 8,500.00	\$ 8,500.00	\$ 7,800.00	\$ 7,800.00	\$ 8,763.00	\$ 8,763.00
131	632	Combination Signal Support, Type TC-81.21, Design 4 w/32' Arm and 8" Bracket, A P P	Each	1	\$ 6,500.00	\$ 6,500.00	\$ 8,741.00	\$ 8,741.00	\$ 8,650.00	\$ 8,650.00	\$ 7,900.00	\$ 7,900.00	\$ 8,741.00	\$ 8,741.00
132	632	Combination Signal Support, Type TC-81.21, Design 4 w/36' Arm and 14" Bracket, A P P	Each	1	\$ 8,000.00	\$ 8,000.00	\$ 8,948.00	\$ 8,948.00	\$ 8,855.00	\$ 8,855.00	\$ 8,000.00	\$ 8,000.00	\$ 8,948.00	\$ 8,948.00
133	632	Combination Signal Support, Type TC-81.21, Design 11 w/35' Arm and 8" Bracket, A P P	Each	1	\$ 8,500.00	\$ 8,500.00	\$ 10,645.00	\$ 10,645.00	\$ 8,680.00	\$ 8,680.00	\$ 9,000.00	\$ 9,000.00	\$ 10,643.00	\$ 10,643.00
133A	632	Combination Signal Support, Type TC-81.21, Design 11 w/38' Arm and 26" Bracket, A P P	Each	1	\$ 8,500.00	\$ 8,500.00	\$ 10,883.00	\$ 10,883.00	\$ 8,680.00	\$ 8,680.00	\$ 8,700.00	\$ 8,700.00	\$ 10,883.00	\$ 10,883.00
134	632	Combination Signal Support, Type TC 81.21, Design 12, 47' Arm and 26" Bracket, A P P	Each	1	\$ 10,000.00	\$ 10,000.00	\$ 12,793.00	\$ 12,793.00	\$ 9,595.00	\$ 9,595.00	\$ 10,500.00	\$ 10,500.00	\$ 12,793.00	\$ 12,793.00
135	632	Combination Signal Support, Type TC 81.21, Design 13, 51' Arm and 26" Bracket, A P P	Each	1	\$ 10,000.00	\$ 10,000.00	\$ 14,215.00	\$ 14,215.00	\$ 10,665.00	\$ 10,665.00	\$ 13,000.00	\$ 13,000.00	\$ 14,215.00	\$ 14,215.00
136	632	Pedestal, 8', Type A, As Per Plan	Each	8	\$ 600.00	\$ 4,800.00	\$ 1,585.00	\$ 12,680.00	\$ 1,820.00	\$ 14,560.00	\$ 1,500.00	\$ 12,000.00	\$ 1,585.00	\$ 12,680.00
137	632	Pedestal, 8', Type B, As Per Plan	Each	12	\$ 550.00	\$ 6,600.00	\$ 1,350.00	\$ 16,200.00	\$ 1,400.00	\$ 16,800.00	\$ 1,200.00	\$ 14,400.00	\$ 1,350.00	\$ 16,200.00
138	632	Pedestal, 15', Type A, As Per Plan	Each	3	\$ 750.00	\$ 2,250.00	\$ 2,114.00	\$ 6,342.00	\$ 2,240.00	\$ 6,720.00	\$ 2,000.00	\$ 6,000.00	\$ 2,114.00	\$ 6,342.00
139	632	Signal Cable, 3 Conductor, No. 14 AWG	Lin. Ft.	2691	\$ 2.00	\$ 5,382.00	\$ 1.60	\$ 4,305.60	\$ 1.45	\$ 3,901.95	\$ 1.10	\$ 2,960.10	\$ 1.60	\$ 4,305.60
140	632	Signal Cable, 5 Conductor, No. 14 AWG	Lin. Ft.	2568	\$ 2.25	\$ 5,778.00	\$ 1.82	\$ 4,673.76	\$ 1.60	\$ 4,108.80	\$ 1.50	\$ 3,852.00	\$ 1.82	\$ 4,673.76
141	632	Signal Cable, 7 Conductor, No. 14 AWG	Lin. Ft.	6445	\$ 2.50	\$ 16,112.50	\$ 2.01	\$ 12,954.45	\$ 1.85	\$ 11,923.25	\$ 1.60	\$ 10,312.00	\$ 2.01	\$ 12,954.45
142	632	Signal Cable, 9 Conductor, No. 14 AWG	Lin. Ft.	358	\$ 2.75	\$ 984.50	\$ 2.36	\$ 844.88	\$ 2.15	\$ 769.70	\$ 2.00	\$ 716.00	\$ 2.36	\$ 844.88
143	632	Detector Loop	Each	33	\$ 1,000.00	\$ 33,000.00	\$ 1,098.00	\$ 36,234.00	\$ 935.00	\$ 30,855.00	\$ 750.00	\$ 24,750.00	\$ 1,098.00	\$ 36,234.00
144	632	Loop Detector Lead-In Cable	Lin. Ft.	9034	\$ 1.50	\$ 13,551.00	\$ 1.60	\$ 14,454.40	\$ 1.35	\$ 12,195.90	\$ 1.25	\$ 11,292.50	\$ 1.58	\$ 14,273.72
145	632	Power Cable, 3 Conductor, No. 6 AWG	Lin. Ft.	500	\$ 4.00	\$ 2,000.00	\$ 3.40	\$ 1,700.00	\$ 5.05	\$ 2,525.00	\$ 2.50	\$ 1,250.00	\$ 3.39	\$ 1,695.00
146	632	Power Service	Each	5	\$ 500.00	\$ 2,500.00	\$ 1,294.00	\$ 6,470.00	\$ 1,195.00	\$ 5,975.00	\$ 2,500.00	\$ 12,500.00	\$ 2,750.00	\$ 13,750.00
147	632	Covering of Vehicular Signal Head	Each	44	\$ 25.00	\$ 1,100.00	\$ 50.00	\$ 2,200.00	\$ 10.00	\$ 440.00	\$ 50.00	\$ 2,200.00	\$ 50.00	\$ 2,200.00
148	632	Covering of Pedestrian Signal Heads	Each	34	\$ 20.00	\$ 680.00	\$ 50.00	\$ 1,700.00	\$ 5.00	\$ 170.00	\$ 50.00	\$ 1,700.00	\$ 50.00	\$ 1,700.00
149	632	Removal of Traffic Signal Installation, As Per Plan	Each	4	\$ 3,000.00	\$ 12,000.00	\$ 2,013.50	\$ 8,054.00	\$ 1,360.00	\$ 5,440.00	\$ 1,100.00	\$ 4,400.00	\$ 2,014.00	\$ 8,056.00
150	633	Reuse Controller, As Per Plan	Each	4	\$ 1,500.00	\$ 6,000.00	\$ 4,054.00	\$ 16,216.00	\$ 130.00	\$ 520.00	\$ 1,600.00	\$ 6,400.00	\$ 4,054.00	\$ 16,216.00
151	633	Controller, Actuated, 8 Phase, Solid-State Digital Microprocessor, As Per Plan	Each	1	\$ 15,000.00	\$ 15,000.00	\$ 8,956.00	\$ 8,956.00	\$ 10,100.00	\$ 10,100.00	\$ 10,500.00	\$ 10,500.00	\$ 8,956.00	\$ 8,956.00
152	633	Controller, 8 Phase Cabinet, As Per Plan	Each	4	\$ 1,900.00	\$ 7,600.00	\$ 8,722.00	\$ 34,888.00	\$ 5,835.00	\$ 23,340.00	\$ 6,400.00	\$ 25,600.00	\$ 8,722.00	\$ 34,888.00
153	633	Cabinet Riser	Each	5	\$ 500.00	\$ 2,500.00	\$ 482.00	\$ 2,410.00	\$ 790.00	\$ 3,950.00	\$ 800.00	\$ 4,000.00	\$ 786.00	\$ 3,930.00
154	633	Cabinet Foundation	Each	5	\$ 1,500.00	\$ 7,500.00	\$ 1,062.00	\$ 5,310.00	\$ 1,530.00	\$ 7,650.00	\$ 1,600.00	\$ 8,000.00	\$ 1,062.00	\$ 5,310.00
155	633	Controller Work Pad	Each	1	\$ 350.00	\$ 350.00	\$ 3,530.00	\$ 3,530.00	\$ 50.00	\$ 50.00	\$ 500.00	\$ 500.00	\$ 360.00	\$ 360.00
156	633	Controller Item, Misc.: Preemption	Each	1	\$ 1,000.00	\$ 1,000.00	\$ 2,818.00	\$ 2,818.00	\$ 1,000.00	\$ 1,000.00	\$ 1,200.00	\$ 1,200.00	\$ 2,818.00	\$ 2,818.00
157	633	Controller Item, Misc.: Preempt Phase Selector	Each	5	\$ 4,200.00	\$ 21,000.00	\$ 3,884.00	\$ 19,420.00	\$ 2,615.00	\$ 13,075.00	\$ 3,000.00	\$ 15,000.00	\$ 3,884.00	\$ 19,420.00
158	633	Controller Item, Misc.: Preempt Confirmation Light	Each	18	\$ 400.00	\$ 7,200.00	\$ 263.00	\$ 4,734.00	\$ 250.00	\$ 4,500.00	\$ 200.00	\$ 3,600.00	\$ 263.00	\$ 4,734.00
159	633	Controller Item, Misc.: Preempt Receiving Unit, Single Channel, one Direction	Each	18	\$ 650.00	\$ 11,700.00	\$ 648.00	\$ 11,664.00	\$ 465.00	\$ 8,370.00	\$ 500.00	\$ 9,000.00	\$ 648.00	\$ 11,664.00
160	633	Controller Item, Misc.: Preemption Detector Cable	Lin. Ft.	2689	\$ 2.00	\$ 5,378.00	\$ 1.39	\$ 3,737.71	\$ 1.20	\$ 3,226.80	\$ 1.25	\$ 3,361.25	\$ 1.39	\$ 3,737.71
161	646	Lane Line	Mile	0.437	\$ 1,500.00	\$ 655.50	\$ 1,510.30	\$ 660.00	\$ 2,315.79	\$ 1,012.00	\$ 1,400.00	\$ 611.80	\$ 1,500.00	\$ 655.50
162	646	Center Line	Mile	0.813	\$ 1,800.00	\$ 1,463.40	\$ 4,782.29	\$ 3,888.00	\$ 5,280.45	\$ 4,293.01	\$ 4,200.00	\$ 3,414.60	\$ 4,800.00	\$ 3,902.40
163	646	Channelizing Line	Lin. Ft.	3684	\$ 2.00	\$ 7,368.00	\$ 1.60	\$ 5,894.40	\$ 1.20	\$ 4,420.80	\$ 1.50	\$ 5,526.00	\$ 1.60	\$ 5,894.40
164	646	Stop Line	Lin. Ft.	569	\$ 10.00	\$ 5,690.00	\$ 9.00	\$ 5,121.00	\$ 10.85	\$ 6,173.65	\$ 8.00	\$ 4,552.00	\$ 9.00	\$ 5,121.00
165	646	Crosswalk Line	Lin. Ft.	1643	\$ 5.00	\$ 8,215.00	\$ 4.50	\$ 7,393.50	\$ 5.15	\$ 8,461.45	\$ 4.50	\$ 7,393.50	\$ 4.50	\$ 7,393.50
166	646	Transverse/Diagonal Line, Yellow, 24"	Lin. Ft.	770	\$ 8.00	\$ 6,160.00	\$ 5.50	\$ 4,235.00	\$ 6.50	\$ 5,005.00	\$ 5.00	\$ 3,850.00	\$ 5.50	\$ 4,235.00
167	646	School Symbol Marking, 72"	Each	3	\$ 600.00	\$ 1,800.00	\$ 650.00	\$ 1,950.00	\$ 545.00	\$ 1,635.00	\$ 650.00	\$ 1,950.00	\$ 650.00	\$ 1,950.00
168	646	Parking Lot Stall Marking, 6"	Lin. Ft.	490	\$ 2.00	\$ 980.00	\$ 4.00	\$ 1,960.00	\$ 2.20	\$ 1,078.00	\$ 4.00	\$ 1,960.00	\$ 4.00	\$ 1,960.00
169	646	Lane Arrow, 96"	Each	48	\$ 250.00	\$ 12,000.00	\$ 145.00	\$ 6,960.00	\$ 145.00	\$ 6,960.00	\$ 140.00	\$ 6,720.00	\$ 145.00	\$ 6,960.00
170	646	Lane Arrow, 153"	Each	4	\$ 400.00	\$ 1,600.00	\$ 175.00	\$ 700.00	\$ 180.00	\$ 720.00	\$ 150.00	\$ 600.00	\$ 175.00	\$ 700.00
171	646	Dotted Line, White	Lin. Ft.	345	\$ 2.00	\$ 690.00	\$ 7.00	\$ 2,415.00	\$ 3.25	\$ 1,121.25	\$ 6.00	\$ 2,070.00	\$ 7.00	\$ 2,415.00
172	646	Removal of Pavement Marking	Lin. Ft.	1080	\$ 2.50	\$ 2,700.00	\$ 2.50	\$ 2,700.00	\$ 1.80	\$ 1,944.00	\$ 2.50	\$ 2,700.00	\$ 2.50	\$ 2,700.00
173	804	Fiber Optic Interconnect Cable, 48 Fiber, 24 Single Mode, As Per Plan	Lin. Ft.	1800	\$ 2.75	\$ 4,950.00	\$ 4.69	\$ 8,442.00	\$ 2.60	\$ 4,680.00	\$ 4.00	\$ 7,200.00	\$ 4.70	\$ 8,460.00
174	804	Fan out Kit (24 fiber), As Per Plan	Each	10	\$ 160.00	\$ 1,600.00	\$ 66.00	\$ 660.00	\$ 1.00	\$ 10.00	\$ 140.00	\$ 1,400.00	\$ 66.00	\$ 660.00
175	804	Fiber Optic Connector, As Per Plan	Each	20	\$ 140.00	\$ 2,800.00	\$ 37.40	\$ 748.00	\$ 52.70	\$ 1,054.00	\$ 70.00	\$ 1,400.00	\$ 38.00	\$ 760.00
176	804	Fiber Optic Cable Testing, As Per Plan	Each	1	\$ 3,000.00	\$ 3,000.00	\$ 1,056.00	\$ 1,056.00	\$ 2,065.00	\$ 2,065.00	\$ 1,200.00	\$ 1,200.00	\$ 1,056.00	\$ 1,056.00
177	816	Video Detector System, As Per Plan	Each	4	\$ 8,000.00	\$ 32,000.00	\$ 7,470.00	\$ 29,880.00	\$ 4,555.00	\$ 18,220.00	\$ 11,000.00	\$ 44,000.00	\$ 7,470.00	\$ 29,880.00
		ELECTRICAL			\$ -	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -
178	16500	Street Lighting 14' Pole (Installation Only)	Each	24	\$ 600.00	\$ 14,400.00	\$ 300.75	\$ 7,218.00	\$ 735.00	\$ 17,640.00	\$ 300.00	\$ 7,200.00	\$ 301.00	\$ 7,224.00
179	16500	Street Lighting LED Luminaire (Installation Only)	Each	34	\$ 400.00	\$ 13,600.00	\$ 198.75	\$ 6,757.50	\$ 130.00	\$ 4,420.00	\$ 200.00	\$ 6,800.00	\$ 199.00	\$ 6,766.00
180	16500	Street Lighting 14' Pole Riser Cable Assembly	Each	34	\$ 250.00	\$ 8,500.00	\$ 71.00	\$ 2,414.00	\$ 51.40	\$ 1,747.60	\$ 75.00	\$ 2,550.00	\$ 71.00	\$ 2,414.00
181	16500	Street Lighting Foundation For 14' Pole	Each	24	\$ 900.00	\$ 21,600.00	\$ 803.00	\$ 19,272.00	\$ 1,115.00	\$ 26,760.00	\$ 700.00	\$ 16,800.00	\$ 803.00	\$ 19,272.00
182	16200	2" Schedule 40 PVC Conduit	Lin. Ft.	3665	\$ 13.00	\$ 47,645.00	\$ 11.20	\$ 41,048.00	\$ 11.10	\$ 40,681.50	\$ 7.00	\$ 25,655.00	\$ 2.45	\$ 8,979.25
183	16200	5" Schedule 40 PVC Conduit	Lin. Ft.	200	\$ 17.00	\$ 3,400.00	\$ 17.75	\$ 3,550.00	\$ 22.00	\$ 4,400.00	\$ 10.00	\$ 2,000.00	\$ 5.22	\$ 1,044.00
184	16200	#4 AWG Copper XLP-RHW-USE 600 Volt Conductor	Lin. Ft.	10970	\$ 3.00	\$ 32,910.00	\$ 2.04	\$ 22,378.80	\$ 1.95	\$ 21,391.50	\$ 2.50	\$ 27,425.00	\$ 2.04	\$ 22,378.80
185	16200	#2 AWG Copper XLP-RHW-USE 600 Volt Conductor	Lin. Ft.	1815	\$ 4.00	\$ 7,260.00	\$ 2.80	\$ 5,082.00	\$ 2.55	\$ 4,628.25	\$ 4.00	\$ 7,260.00	\$ 2.78	\$ 5,045.70
186	16300	Street Lighting Handhole	Each	12	\$ 900.00	\$ 10,800.00	\$ 525.00	\$ 6,300.00	\$					

PUBLIC IMPROVEMENT TO STATE ROAD AND PORTAGE TRAIL

CITY OF CUYAHOGA FALLS					ENGINEERS ESTIMATE		KARVO**		FECHKO		KENMORE		LIBERTA	
ITEM NO.	SPEC. REF.	ITEM DESCRIPTION	UNIT MEASURE	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
192	16500	Remove Concrete Foundation and Fill Vacated Hole	Each	17	\$ 700.00	\$ 11,900.00	\$ 359.00	\$ 6,103.00	\$ 130.00	\$ 2,210.00	\$ 400.00	\$ 6,800.00	\$ 358.25	\$ 6,090.25
193	16500	Reinstall Unpainted Aluminum Street Lighting Pole and Mastarm	Each	7	\$ 600.00	\$ 4,200.00	\$ 437.00	\$ 3,059.00	\$ 645.00	\$ 4,515.00	\$ 400.00	\$ 2,800.00	\$ 437.00	\$ 3,059.00
194	16500	Reinstall 250 WATT HPS Luminaire	Each	9	\$ 100.00	\$ 900.00	\$ 165.00	\$ 1,485.00	\$ 155.00	\$ 1,395.00	\$ 125.00	\$ 1,125.00	\$ 165.00	\$ 1,485.00
195	16500	Street Lighting 30' Pole Riser Cable Assembly	Each	12	\$ 300.00	\$ 3,600.00	\$ 136.00	\$ 1,632.00	\$ 97.00	\$ 1,164.00	\$ 100.00	\$ 1,200.00	\$ 136.00	\$ 1,632.00
196	16500	Street Lighting Foundation for 30' Pole	Each	9	\$ 1,100.00	\$ 9,900.00	\$ 844.00	\$ 7,596.00	\$ 1,005.00	\$ 9,045.00	\$ 800.00	\$ 7,200.00	\$ 574.00	\$ 5,166.00
197	16500	Remove Black Aluminum Street Lighting Pole, T-Base, Mastarm	Each	6	\$ 600.00	\$ 3,600.00	\$ 437.00	\$ 2,622.00	\$ 260.00	\$ 1,560.00	\$ 250.00	\$ 1,500.00	\$ 437.00	\$ 2,622.00
198	16500	Remove 150 WATT HPS Luminaire	Each	9	\$ 100.00	\$ 900.00	\$ 165.00	\$ 1,485.00	\$ 36.00	\$ 324.00	\$ 50.00	\$ 450.00	\$ 165.00	\$ 1,485.00
199	16500	Reinstall Black Aluminum Street Lighting Pole, T-Base, Mastarm	Each	2	\$ 600.00	\$ 1,200.00	\$ 573.00	\$ 1,146.00	\$ 645.00	\$ 1,290.00	\$ 350.00	\$ 700.00	\$ 573.00	\$ 1,146.00
200	16500	Reinstall 150 WATT HPS Luminaire	Each	3	\$ 100.00	\$ 300.00	\$ 165.00	\$ 495.00	\$ 155.00	\$ 465.00	\$ 120.00	\$ 360.00	\$ 165.00	\$ 495.00
201	16500	Remove Black Street Lighting Mastarm from Traffic Signal Pole	Each	4	\$ 200.00	\$ 800.00	\$ 436.75	\$ 1,747.00	\$ 130.00	\$ 520.00	\$ 80.00	\$ 320.00	\$ 437.00	\$ 1,748.00
202	16060	GFCI Duplex NEMA 3R Weatherproof Receptacle	Each	19	\$ 300.00	\$ 5,700.00	\$ 156.00	\$ 2,964.00	\$ 190.00	\$ 3,610.00	\$ 70.00	\$ 1,330.00	\$ 156.00	\$ 2,964.00
203	16200	1" Schedule 40 PVC Conduit	Lin. Ft.	780	\$ 6.00	\$ 4,680.00	\$ 1.70	\$ 1,326.00	\$ 1.60	\$ 1,248.00	\$ 7.00	\$ 5,460.00	\$ 1.70	\$ 1,326.00
204	16200	#10 AWG Copper XLP-RHW-USE 600 Volt Conductor	Lin. Ft.	2790	\$ 1.00	\$ 2,790.00	\$ 0.83	\$ 2,315.70	\$ 1.10	\$ 3,069.00	\$ 1.00	\$ 2,790.00	\$ 0.83	\$ 2,315.70
		LANDSCAPE			\$ -	\$ -	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -
205	Special	Concrete Paving with Broomed Finish and Sawcut Joints (concrete, granular base, compacted subbase)	Sq. Ft.	26673	\$ 6.00	\$ 160,038.00	\$ 4.30	\$ 114,693.90	\$ 6.20	\$ 165,372.60	\$ 6.25	\$ 166,706.25	\$ 6.50	\$ 173,374.50
206	Special	2'X5' Cast-in-Place Detectable Warning Plate by ADA Solutions (2460IDPAV1), Color to be "Brick Red"	Each	34	\$ 500.00	\$ 17,000.00	\$ 178.00	\$ 6,052.00	\$ 450.00	\$ 15,300.00	\$ 400.00	\$ 13,600.00	\$ 324.00	\$ 11,016.00
207	Special	Hanover Prest Paver, 4"X8"X3", Charcoal w/ Tudor Finish (in Traffic Island)	Sq. Ft.	1008	\$ 20.00	\$ 20,160.00	\$ 16.50	\$ 16,632.00	\$ 12.40	\$ 12,499.20	\$ 12.00	\$ 12,096.00	\$ 16.74	\$ 16,873.92
208	Special	Cast in Place Concrete Planter (8" wide x 18" high), 6" Raised Condition	Lin. Ft.	1374	\$ 22.00	\$ 30,228.00	\$ 20.00	\$ 27,480.00	\$ 13.00	\$ 17,862.00	\$ 20.00	\$ 27,480.00	\$ 39.50	\$ 54,273.00
209	Special	Urban Accessories Bollard, DG4, Aluminum w/ Gloss Black Powdercoat	Each	53	\$ 825.00	\$ 43,725.00	\$ 1,185.00	\$ 62,805.00	\$ 350.00	\$ 18,550.00	\$ 1,100.00	\$ 58,300.00	\$ 1,424.00	\$ 75,472.00
210	Special	3/8" Steel Chain	Lin. Ft.	250	\$ 5.30	\$ 1,325.00	\$ 16.25	\$ 4,062.50	\$ 5.00	\$ 1,250.00	\$ 17.00	\$ 4,250.00	\$ 43.00	\$ 10,750.00
210A	Special	Embossed Colored Concrete per City Standard at State Road (concrete, granular base, compacted subbase)	Sq. Ft.	1557	\$ 20.00	\$ 31,140.00	\$ 9.50	\$ 14,791.50	\$ 22.00	\$ 34,254.00	\$ 7.50	\$ 11,677.50	\$ 12.55	\$ 19,540.35
211	Special	Deciduous Shade Tree (Platanus x Acerifolia 'Morton Circle')	Each	17	\$ 400.00	\$ 6,800.00	\$ 475.00	\$ 8,075.00	\$ 340.00	\$ 5,780.00	\$ 450.00	\$ 7,650.00	\$ 475.00	\$ 8,075.00
212	Special	Deciduous Shade Tree (Ulmus x Parviflora)	Each	20	\$ 400.00	\$ 8,000.00	\$ 475.00	\$ 9,500.00	\$ 340.00	\$ 6,800.00	\$ 450.00	\$ 9,000.00	\$ 475.00	\$ 9,500.00
213	Special	Shrub (Rhus Aromatica 'Gro-Low')	Each	389	\$ 50.00	\$ 19,450.00	\$ 33.00	\$ 12,837.00	\$ 32.00	\$ 12,448.00	\$ 30.00	\$ 11,670.00	\$ 33.00	\$ 12,837.00
214	Special	24" Depth Planting Soil	Cu. Yd.	233	\$ 75.00	\$ 17,475.00	\$ 56.00	\$ 13,048.00	\$ 35.00	\$ 8,155.00	\$ 32.00	\$ 7,456.00	\$ 35.00	\$ 8,155.00
215	Special	8" Depth Planting Soil	Cu. Yd.	413	\$ 75.00	\$ 30,975.00	\$ 56.00	\$ 23,128.00	\$ 35.00	\$ 14,455.00	\$ 32.00	\$ 13,216.00	\$ 35.00	\$ 14,455.00
216	Special	1" Class 200 PVC Mainline	Lin. Ft.	610	\$ 4.72	\$ 2,879.20	\$ 2.82	\$ 1,720.20	\$ 8.00	\$ 4,880.00	\$ 8.00	\$ 4,880.00	\$ 10.00	\$ 6,100.00
217	Special	4" SCH 80 PVC Sleeve. 36" Depth, Typ.	Lin. Ft.	494	\$ 12.00	\$ 5,928.00	\$ 22.00	\$ 10,868.00	\$ 9.00	\$ 4,446.00	\$ 15.00	\$ 7,410.00	\$ 13.80	\$ 6,817.20
218	Special	Rainbird 5RC 1" Quick Coupler Valve	Each	8	\$ 150.00	\$ 1,200.00	\$ 180.50	\$ 1,444.00	\$ 8.00	\$ 64.00	\$ 1,000.00	\$ 8,000.00	\$ 107.00	\$ 856.00
219	605	4" Dia. Perforated drain Linew/sock	Lin. Ft.	830	\$ 12.00	\$ 9,960.00	\$ 8.85	\$ 7,345.50	\$ 7.00	\$ 5,810.00	\$ 15.00	\$ 12,450.00	\$ 17.00	\$ 14,110.00
220	Special	4" Embossed Colored Concrete	Sq. Ft.	330	\$ 25.00	\$ 8,250.00	\$ 10.30	\$ 3,399.00	\$ 22.00	\$ 7,260.00	\$ 10.00	\$ 3,300.00	\$ 16.51	\$ 5,448.30
Total Base Bid						\$ 2,713,230.70		\$ 2,687,234.66		\$ 2,820,998.75		\$ 2,872,242.45		\$ 3,260,414.87
ALTERNATES - LANDSCAPE														
Alternate 1														
1	Special	Stamped Asphalt (In Intersection)	Sq. Ft.	22671	\$ 11.00	\$ 249,381.00	\$ 6.25	\$ 141,693.75	\$ 6.00	\$ 136,026.00	\$ 6.00	\$ 136,026.00	\$ 5.85	\$ 132,625.35
2	Special	Stamped Asphalt (In Crosswalk)	Sq. Ft.	4833	\$ 11.00	\$ 53,163.00	\$ 9.00	\$ 43,497.00	\$ 8.70	\$ 42,047.10	\$ 8.75	\$ 42,288.75	\$ 8.45	\$ 40,838.85
Total Alt. #1						\$ 302,544.00		\$ 185,190.75		\$ 178,073.10		\$ 178,314.75		\$ 173,464.20
Alternate 2														
3	Special	SIDEWALK: Hanover Prest Paver, 4"X8"X2 3/8", Limestone w/ Tudor Finish (Paver, 4" concrete base, 4" granular base, compacted subbase)	Sq. Ft.	5689	\$ 22.00	\$ 125,158.00	\$ 15.70	\$ 89,317.30	\$ 12.50	\$ 71,112.50	\$ 22.00	\$ 125,158.00	\$ 11.65	\$ 66,276.85
4	Special	DEDUCT - Concrete Paving with Broomed Finish and Sawcut Joints (concrete, granular base, compacted subbase)	Sq. Ft.	5689	\$ (6.00)	\$ (34,134.00)	\$ (3.70)	\$ (21,049.30)	\$ (6.20)	\$ (35,271.80)	\$ (6.00)	\$ (34,134.00)	\$ (6.50)	\$ (36,978.50)
Total Alt. #2						\$ 91,024.00		\$ 68,268.00		\$ 35,840.70		\$ 91,024.00		\$ 29,298.35
Alternate 3														
5	Special	INTERSECTION: Hanover Prest Paver, 4"X8"X3" Charcoal w/ Tudor Finish (Paver, 8" concrete base, 6" granular base, compacted subbase)	Sq. Ft.	22671	\$ 25.00	\$ 566,775.00	\$ 16.50	\$ 374,071.50	\$ 20.00	\$ 453,420.00	\$ 24.00	\$ 544,104.00	\$ 11.65	\$ 264,117.15
6	Special	CROSSWALK: Hanover Prest Paver, 4"X8"X3", Charcoal & Limestone w/Tudor Finish (Pavers, 8" concrete, 6" granular base, compacted subbase)	Sq. Ft.	3621	\$ 25.00	\$ 90,525.00	\$ 16.00	\$ 57,936.00	\$ 21.26	\$ 76,982.46	\$ 25.00	\$ 90,525.00	\$ 11.65	\$ 42,184.65
7	202	Pavement Removed	Sq. Yd.	2921	\$ 20.00	\$ 58,420.00	\$ 8.15	\$ 23,806.15	\$ 5.00	\$ 14,605.00	\$ 12.00	\$ 35,052.00	\$ 15.00	\$ 43,815.00
8	254	DEDUCT - Pavement Planing	Sq. Yd.	2921	\$ (3.50)	\$ (10,223.50)	\$ (0.80)	\$ (2,336.80)	\$ (1.30)	\$ (3,797.30)	\$ (1.25)	\$ (3,651.25)	\$ (4.55)	\$ (13,290.55)
Total Alt. #3						\$ 705,496.50		\$ 453,476.85		\$ 541,210.16		\$ 666,029.75		\$ 336,826.25
Alternate 4														
9	Special	12" Wide Flush Concrete Band at Crosswalk	Lin. Ft.	1390	\$ 8.00	\$ 11,120.00	\$ 19.70	\$ 27,383.00	\$ 22.00	\$ 30,580.00	\$ 24.00	\$ 33,360.00	\$ 28.00	\$ 38,920.00
Total Alt. #4						\$ 11,120.00		\$ 27,383.00		\$ 30,580.00		\$ 33,360.00		\$ 38,920.00
Alternate 5														
10	Special	Polycor 'Jet Mist' Granite Planter Curb, w/ Sandblasted Finish (8" wide X 18" high), 6" Raised Condition	Lin. Ft.	1374	\$ 50.00	\$ 68,700.00	\$ 203.00	\$ 278,922.00	\$ 192.00	\$ 263,808.00	\$ 75.00	\$ 103,050.00	\$ 496.50	\$ 682,191.00
11	Special	DEDUCT - Cast in Place Concrete Planter (8" wide x 18" high), 6" Raised Condition	Lin. Ft.	1374	\$ (22.00)	\$ (30,228.00)	\$ (10.00)	\$ (13,740.00)	\$ (13.00)	\$ (17,862.00)	\$ (19.00)	\$ (26,106.00)	\$ (39.50)	\$ (54,273.00)
Total Alt. #5						\$ 38,472.00		\$ 265,182.00		\$ 245,946.00		\$ 76,944.00		\$ 627,918.00

PUBLIC IMPROVEMENT TO STATE ROAD AND PORTAGE TRAIL

CITY OF CUYAHOGA FALLS					ENGINEERS ESTIMATE		KARVO**		FECHKO		KENMORE		LIBERTA	
ITEM NO.	SPEC. REF.	ITEM DESCRIPTION	UNIT MEASURE	ESTIMATED QUANTITY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ALTERNATES - TRAFFIC CONTROL														
Alternate 6														
1	625	Ground Rod	Each	4	\$ 150.00	\$ 600.00	\$ 52.00	\$ 208.00	\$ 180.00	\$ 720.00	\$ 110.00	\$ 440.00	\$ 105.00	\$ 420.00
2	625	Ground Rod, As Per Plan	Each	1	\$ 150.00	\$ 150.00	\$ 132.00	\$ 132.00	\$ 180.00	\$ 180.00	\$ 110.00	\$ 110.00	\$ 105.00	\$ 105.00
3	625	Pull Box, 18", 725.08	Each	9	\$ 500.00	\$ 4,500.00	\$ 620.00	\$ 5,580.00	\$ 775.00	\$ 6,975.00	\$ 800.00	\$ 7,200.00	\$ 750.00	\$ 6,750.00
4	625	Pull Box, 24", 725.08	Each	1	\$ 750.00	\$ 750.00	\$ 793.00	\$ 793.00	\$ 855.00	\$ 855.00	\$ 900.00	\$ 900.00	\$ 850.00	\$ 850.00
5	625	Conduit 2", 725.04	Lin. Ft.	1100	\$ 12.00	\$ 13,200.00	\$ 6.75	\$ 7,425.00	\$ 13.75	\$ 15,125.00	\$ 9.00	\$ 9,900.00	\$ 8.00	\$ 8,800.00
6	625	Conduit 3", 725.04	Lin. Ft.	318	\$ 17.00	\$ 5,406.00	\$ 13.00	\$ 4,134.00	\$ 21.75	\$ 6,916.50	\$ 15.00	\$ 4,770.00	\$ 13.00	\$ 4,134.00
7	625	Trench	Lin. Ft.	913	\$ 8.00	\$ 7,304.00	\$ 6.70	\$ 6,117.10	\$ 9.05	\$ 8,262.65	\$ 15.00	\$ 13,695.00	\$ 7.00	\$ 6,391.00
8	625	Trench in Paved Area, Type A	Lin. Ft.	260	\$ 24.00	\$ 6,240.00	\$ 11.60	\$ 3,016.00	\$ 9.05	\$ 2,353.00	\$ 50.00	\$ 13,000.00	\$ 45.00	\$ 11,700.00
9	625	Conduit Jacked or Drilled, 725.04, 3"	Lin. Ft.	120	\$ 30.00	\$ 3,600.00	\$ 33.45	\$ 4,014.00	\$ 30.95	\$ 3,714.00	\$ 70.00	\$ 8,400.00	\$ 65.00	\$ 7,800.00
10	625	Plastic Caution Tape	Lin. Ft.	1173	\$ 0.50	\$ 586.50	\$ 0.85	\$ 997.05	\$ 0.05	\$ 58.65	\$ 0.50	\$ 586.50	\$ 0.75	\$ 879.75
11	632	Vehicular Signal Head, 3 Sect., 12" Lens 1 Way, Polycarbonate, As Per Plan	Each	6	\$ 700.00	\$ 4,200.00	\$ 790.00	\$ 4,740.00	\$ 585.00	\$ 3,510.00	\$ 600.00	\$ 3,600.00	\$ 590.00	\$ 3,540.00
12	632	Pedestrian Signal Head Count Down, Type D2, As Per Plan	Each	4	\$ 400.00	\$ 1,600.00	\$ 500.00	\$ 2,000.00	\$ 445.00	\$ 1,780.00	\$ 600.00	\$ 2,400.00	\$ 575.00	\$ 2,300.00
13	632	Pedestrian Pushbutton	Each	4	\$ 125.00	\$ 500.00	\$ 165.00	\$ 660.00	\$ 180.00	\$ 720.00	\$ 200.00	\$ 800.00	\$ 175.00	\$ 700.00
14	632	Loop Detector Unit, As Per Plan	Each	1	\$ 400.00	\$ 400.00	\$ 662.00	\$ 662.00	\$ 95.00	\$ 95.00	\$ 150.00	\$ 150.00	\$ 135.00	\$ 135.00
15	632	Signal Support Foundation, As Per Plan	Each	3	\$ 2,500.00	\$ 7,500.00	\$ 1,995.00	\$ 5,985.00	\$ 2,820.00	\$ 8,460.00	\$ 3,500.00	\$ 10,500.00	\$ 3,200.00	\$ 9,600.00
16	632	Pedestal Foundation, As Per Plan	Each	1	\$ 700.00	\$ 700.00	\$ 424.00	\$ 424.00	\$ 635.00	\$ 635.00	\$ 700.00	\$ 700.00	\$ 600.00	\$ 600.00
17	632	Signal Support, Type TC-81.21, Des. 4, 28' Arm, As Per Plan	Each	1	\$ 6,500.00	\$ 6,500.00	\$ 8,175.00	\$ 8,175.00	\$ 7,955.00	\$ 7,955.00	\$ 7,900.00	\$ 7,900.00	\$ 7,800.00	\$ 7,800.00
18	632	Signal Support, Type TC-81.21, Des. 11, 38' Arm, As Per Plan	Each	1	\$ 7,000.00	\$ 7,000.00	\$ 10,485.00	\$ 10,485.00	\$ 8,380.00	\$ 8,380.00	\$ 8,500.00	\$ 8,500.00	\$ 8,200.00	\$ 8,200.00
19	632	Signal Support, Type TC-81.21, Des. 11, 41' Arm, As Per Plan	Each	1	\$ 8,500.00	\$ 8,500.00	\$ 10,485.00	\$ 10,485.00	\$ 8,380.00	\$ 8,380.00	\$ 8,500.00	\$ 8,500.00	\$ 8,200.00	\$ 8,200.00
20	632	Pedestal, 8', Type B	Each	1	\$ 600.00	\$ 600.00	\$ 1,470.00	\$ 1,470.00	\$ 1,400.00	\$ 1,400.00	\$ 1,500.00	\$ 1,500.00	\$ 1,400.00	\$ 1,400.00
21	632	Signal Cable, 3 Conductor, No. 14 AWG	Lin. Ft.	384	\$ 2.00	\$ 768.00	\$ 1.70	\$ 652.80	\$ 1.40	\$ 537.60	\$ 1.50	\$ 576.00	\$ 1.35	\$ 518.40
22	632	Signal Cable, 5 Conductor, No. 14 AWG	Lin. Ft.	172	\$ 2.25	\$ 387.00	\$ 1.90	\$ 326.80	\$ 1.35	\$ 232.20	\$ 1.60	\$ 275.20	\$ 1.55	\$ 266.60
23	632	Signal Cable, 7 Conductor, No. 14 AWG	Lin. Ft.	708	\$ 2.50	\$ 1,770.00	\$ 2.10	\$ 1,486.80	\$ 1.90	\$ 1,345.20	\$ 1.90	\$ 1,345.20	\$ 1.85	\$ 1,309.80
24	632	Signal Cable, 9 Conductor, No. 14 AWG	Lin. Ft.	157	\$ 3.00	\$ 471.00	\$ 2.50	\$ 392.50	\$ 1.90	\$ 298.30	\$ 3.00	\$ 471.00	\$ 2.50	\$ 392.50
25	632	Signal Cable, Misc.: Preempt Detector Cable	Lin. Ft.	379	\$ 2.00	\$ 758.00	\$ 1.50	\$ 568.50	\$ 1.20	\$ 454.80	\$ 2.00	\$ 758.00	\$ 1.50	\$ 568.50
26	632	Detector Loop	Each	1	\$ 1,000.00	\$ 1,000.00	\$ 1,170.00	\$ 1,170.00	\$ 1,235.00	\$ 1,235.00	\$ 900.00	\$ 900.00	\$ 750.00	\$ 750.00
27	632	Loop Detector Lead-In Cable	Lin. Ft.	618	\$ 1.75	\$ 1,081.50	\$ 1.65	\$ 1,019.70	\$ 1.40	\$ 865.20	\$ 1.50	\$ 927.00	\$ 1.25	\$ 772.50
28	632	Power Cable, 3 Conductor, No. 6 AWG	Lin. Ft.	100	\$ 4.00	\$ 400.00	\$ 3.50	\$ 350.00	\$ 5.05	\$ 505.00	\$ 3.00	\$ 300.00	\$ 3.00	\$ 300.00
29	632	Power Service	Each	1	\$ 500.00	\$ 500.00	\$ 1,390.00	\$ 1,390.00	\$ 1,195.00	\$ 1,195.00	\$ 2,800.00	\$ 2,800.00	\$ 2,750.00	\$ 2,750.00
30	632	Covering of Vehicular Signal Head	Each	6	\$ 25.00	\$ 150.00	\$ 53.00	\$ 318.00	\$ 10.00	\$ 60.00	\$ 50.00	\$ 300.00	\$ 40.00	\$ 240.00
31	632	Covering of Pedestrian Head	Each	4	\$ 20.00	\$ 80.00	\$ 53.00	\$ 212.00	\$ 5.00	\$ 20.00	\$ 50.00	\$ 200.00	\$ 40.00	\$ 160.00
32	633	Controller, Actuated, 8 Phase, Solid State Digital Microprocessor, As Per Plan	Each	1	\$ 15,000.00	\$ 15,000.00	\$ 9,950.00	\$ 9,950.00	\$ 10,100.00	\$ 10,100.00	\$ 13,000.00	\$ 13,000.00	\$ 12,825.00	\$ 12,825.00
33	633	Cabinet Foundation	Each	1	\$ 1,500.00	\$ 1,500.00	\$ 1,140.00	\$ 1,140.00	\$ 1,530.00	\$ 1,530.00	\$ 2,000.00	\$ 2,000.00	\$ 1,800.00	\$ 1,800.00
34	633	Controller Item Misc.: Preempt Receiving Unit, Single Channel	Each	3	\$ 1,000.00	\$ 3,000.00	\$ 720.00	\$ 2,160.00	\$ 465.00	\$ 1,395.00	\$ 600.00	\$ 1,800.00	\$ 550.00	\$ 1,650.00
35	633	Controller Item Misc.: Preempt Phase Selector	Each	1	\$ 3,200.00	\$ 3,200.00	\$ 4,255.00	\$ 4,255.00	\$ 2,615.00	\$ 2,615.00	\$ 3,500.00	\$ 3,500.00	\$ 3,315.00	\$ 3,315.00
36	633	Controller Item Misc.: Preempt Confirmation Light	Each	3	\$ 400.00	\$ 1,200.00	\$ 285.00	\$ 855.00	\$ 250.00	\$ 750.00	\$ 300.00	\$ 900.00	\$ 210.00	\$ 630.00
37	633	Cabinet Riser	Each	1	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 790.00	\$ 790.00	\$ 900.00	\$ 900.00	\$ 810.00	\$ 810.00
38	646	Lane Line	Mile	0.076	\$ 1,500.00	\$ 114.00	\$ 1,700.00	\$ 129.20	\$ 2,425.00	\$ 184.30	\$ 2,000.00	\$ 152.00	\$ 1,500.00	\$ 114.00
39	646	Center Line	Mile	0.057	\$ 1,800.00	\$ 102.60	\$ 5,440.00	\$ 310.08	\$ 5,580.00	\$ 318.06	\$ 5,000.00	\$ 285.00	\$ 4,800.00	\$ 273.60
40	646	Stop Line	Lin. Ft.	66	\$ 10.00	\$ 660.00	\$ 9.70	\$ 640.20	\$ 10.85	\$ 716.10	\$ 10.00	\$ 660.00	\$ 9.00	\$ 594.00
41	646	Crosswalk	Lin. Ft.	193	\$ 5.00	\$ 965.00	\$ 4.85	\$ 936.05	\$ 5.15	\$ 993.95	\$ 5.00	\$ 965.00	\$ 4.50	\$ 868.50
42	804	Fiber Optic Interconnect Cable, 48 Fiber, 24 Multimode, 24 Single Mode, As Per Plan	Lin. Ft.	1200	\$ 5.00	\$ 6,000.00	\$ 5.15	\$ 6,180.00	\$ 2.60	\$ 3,120.00	\$ 5.00	\$ 6,000.00	\$ 4.05	\$ 4,860.00
43	804	Fan Out Kit (24 Fiber), As Per Plan	Each	2	\$ 250.00	\$ 500.00	\$ 71.00	\$ 142.00	\$ 1.00	\$ 2.00	\$ 200.00	\$ 400.00	\$ 150.00	\$ 300.00
44	804	Fiber Optic Connector, As Per Plan	Each	4	\$ 150.00	\$ 600.00	\$ 40.00	\$ 160.00	\$ 72.00	\$ 288.00	\$ 100.00	\$ 400.00	\$ 75.00	\$ 300.00
45	608	Curb Ramp	Sq. Ft.	50	\$ 16.00	\$ 800.00	\$ 13.50	\$ 675.00	\$ 7.50	\$ 375.00	\$ 12.00	\$ 600.00	\$ 35.00	\$ 1,750.00
46	608	Detectable Warning	Sq. Ft.	8	\$ 30.00	\$ 240.00	\$ 20.70	\$ 165.60	\$ 35.00	\$ 280.00	\$ 30.00	\$ 240.00	\$ 300.00	\$ 2,400.00
Total Alt. #6						\$ 121,583.60		\$ 113,587.38		\$ 116,680.51		\$ 144,205.90		\$ 130,823.15

A P P = As Per Plan

DENOTES FIELD WITH MATH ERROR IN BOOK. CORRECTED VALUE IS SHOWN ON THIS SHEET

** INDICATES WINNING BID