

## CLA - Bechtel Signals, PID 98859

BIDS RECEIVED ON: March 17, 2017

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	ENGINEER'S ESTIMATE		Bansal Construction, Inc. 3264 Homeward Way Fairfield, OH 45014 Phone (513) 574-5410 Fax (513) 874-1346		Miller Cable Company 210 South Broadway Green Springs, OH 44811 Phone (419) 639-2091 Fax (419) 639-3824		Capital Electric Line Builders 3150 Encrete Lane Dayton, OH 45439 Phone (937) 424-2550 Fax (937) 297-1365	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
PAVEMENT											
*261	Pavement Restoration, Type D Mod	3	SY	\$475.00	\$1,425.00	\$150.00	\$450.00	\$1,000.00	\$3,000.00	\$254.25	\$762.75
608	4" Concrete Walk	242	SF	\$10.00	\$2,420.00	\$10.00	\$2,420.00	\$30.00	\$7,260.00	\$13.56	\$3,281.52
*608	Curb Ramp, As Per Plan	60	SF	\$28.00	\$1,680.00	\$30.00	\$1,800.00	\$65.00	\$3,900.00	\$45.20	\$2,712.00
*609	Curb, Type A	102	LF	\$30.00	\$3,060.00	\$45.00	\$4,590.00	\$70.00	\$7,140.00	\$47.46	\$4,840.92
TRAFFIC SIGNALS											
625	Conduit, 2", 725.051	30	FT	\$5.75	\$172.50	\$2.60	\$78.00	\$25.00	\$750.00	\$11.46	\$343.80
625	Conduit, 3", 725.051	256	FT	\$6.00	\$1,536.00	\$4.20	\$1,075.20	\$26.00	\$6,656.00	\$9.97	\$2,552.32
625	Conduit, 4", 725.051	20	FT	\$9.00	\$180.00	\$5.60	\$112.00	\$32.00	\$640.00	\$9.42	\$188.40
625	Conduit, Jacked or Drilled, 725.04, 2"	136	FT	\$30.00	\$4,080.00	\$32.00	\$4,352.00	\$30.00	\$4,080.00	\$25.43	\$3,458.48
625	Conduit, Jacked or Drilled, 725.04, 3"	152	FT	\$30.00	\$4,560.00	\$36.00	\$5,472.00	\$40.00	\$6,080.00	\$49.19	\$7,476.88
625	Conduit, Jacked or Drilled, 725.04, 4"	405	FT	\$30.00	\$12,150.00	\$39.00	\$15,795.00	\$50.00	\$20,250.00	\$53.23	\$21,558.15
625	Conduit Cleaned and Cables Removed	1,680	FT	\$1.00	\$1,680.00	\$0.65	\$1,092.00	\$0.50	\$840.00	\$1.18	\$1,982.40
625	Trench	253	FT	\$6.25	\$1,581.25	\$7.20	\$1,821.60	\$15.00	\$3,795.00	\$12.87	\$3,256.11
625	Pull Box, 725.08, 18"	2	EA	\$650.00	\$1,300.00	\$725.00	\$1,450.00	\$900.00	\$1,800.00	\$709.32	\$1,418.64
625	Pull Box, 725.06, 24" x 36"	10	EA	\$775.00	\$7,750.00	\$1,475.00	\$14,750.00	\$1,850.00	\$18,500.00	\$1,104.82	\$11,048.20
625	Ground Rod	6	EA	\$160.00	\$960.00	\$195.00	\$1,170.00	\$200.00	\$1,200.00	\$147.83	\$886.98
630	Sign Hanger Assembly, Mast Arm, As Per Plan	14	EA	\$300.00	\$4,200.00	\$300.00	\$4,200.00	\$315.00	\$4,410.00	\$445.71	\$6,239.94
630	Sign, Flat Sheet	112.5	SF	\$16.00	\$1,800.00	\$20.00	\$2,250.00	\$21.00	\$2,362.50	\$33.03	\$3,715.88
632	Pedestrian Pushbutton	3	EA	\$203.50	\$610.50	\$278.00	\$834.00	\$185.00	\$555.00	\$214.82	\$644.46
632	Vehicular Signal Head, (LED), 3-Section, 12"	15	EA	\$800.00	\$12,000.00	\$815.00	\$12,225.00	\$1,050.00	\$15,750.00	\$787.94	\$11,819.10
632	Lens, 1-Way, Polycarbonate, As Per Plan	2	EA	\$1,250.00	\$2,500.00	\$1,165.00	\$2,330.00	\$1,550.00	\$3,100.00	\$1,271.82	\$2,543.64
632	Covering of Vehicular Signal Head	17	EA	\$40.00	\$680.00	\$31.00	\$527.00	\$35.00	\$595.00	\$1.07	\$18.19
632	Signal Cable, 3 Conductor, No. 10 AWG	391	FT	\$2.25	\$879.75	\$2.10	\$821.10	\$2.10	\$821.10	\$2.37	\$926.67
632	Signal Cable, 5 Conductor, No. 14 AWG	2,940	FT	\$2.00	\$5,880.00	\$1.75	\$5,145.00	\$2.30	\$6,762.00	\$2.11	\$6,203.40
632	Signal Cable, 7 Conductor, No. 14 AWG	1,070	FT	\$2.50	\$2,675.00	\$1.95	\$2,086.50	\$2.50	\$2,675.00	\$2.29	\$2,450.30

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	ENGINEER'S ESTIMATE		Bansal Construction, Inc.		Miller Cable Company		Capital Electric Line Builders	
						UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
632	Signal Support Foundation, As Per Plan	4	FT	\$3,200.00	\$12,800.00	3,876.00	\$15,504.00	5,500.00	\$22,000.00	3,464.94	\$13,859.76		
632	Interconnect Misc: Disconnect Existing Cable	7	EA	\$500.00	\$3,500.00	50.00	\$350.00	750.00	\$5,250.00	236.01	\$1,652.07		
632	Strain Pole Foundation	1	EA	\$4,450.00	\$4,450.00	3,876.00	\$3,876.00	4,400.00	\$4,400.00	2,925.12	\$2,925.12		
632	Loop Detector Lead-In Cable	1,200	FT	\$1.75	\$2,100.00	1.65	\$1,980.00	1.50	\$1,800.00	1.89	\$2,268.00		
632	Power Cable, 3 Conductor, No. 6 AWG	75	FT	\$4.00	\$300.00	3.00	\$225.00	4.00	\$300.00	3.70	\$277.50		
632	Power Service, As Per Plan	7	EA	\$2,000.00	\$14,000.00	2,490.00	\$17,430.00	2,350.00	\$16,450.00	2,937.71	\$20,563.97		
632	Service Cable, 3 Conductor, No. 6 AWG	159	FT	\$3.50	\$556.50	2.95	\$469.05	4.10	\$651.90	3.70	\$588.30		
632	Signal Support, Mechanical Damper for TC-81.21 Mast Arm (Greater than 59' in length), As Per Plan	3	EA	\$700.00	\$2,100.00	960.00	\$2,880.00	650.00	\$1,950.00	950.17	\$2,850.51		
632	Signal Support, Type TC-81.21, Design 11, As Per Plan	1	EA	\$8,500.00	\$8,500.00	8,630.00	\$8,630.00	8,000.00	\$8,000.00	9,518.35	\$9,518.35		
632	Signal Support, Type TC-81.21, Design 14, As Per Plan	3	EA	\$12,000.00	\$36,000.00	12,780.00	\$38,340.00	12,000.00	\$36,000.00	13,275.60	\$39,826.80		
632	Strain Pole, Type TC-81.10, Design 6, As Per Plan	1	EA	\$4,000.00	\$4,000.00	4,256.00	\$4,256.00	4,200.00	\$4,200.00	4,730.84	\$4,730.84		
632	Pedestal, 3', Transformer Base	2	EA	\$450.00	\$900.00	456.00	\$912.00	700.00	\$1,400.00	999.09	\$1,998.18		
632	Removal of Traffic Signal Installation for Storage, As Per Plan	7	EA	\$1,500.00	\$10,500.00	1,980.00	\$13,860.00	850.00	\$5,950.00	2,257.87	\$15,805.09		
632	Removal of Pedestrian Pushbutton	2	EA	\$725.00	\$1,450.00	20.00	\$40.00	35.00	\$70.00	106.71	\$213.42		
632	Reuse of Controller	2	EA	\$1,500.00	\$3,000.00	1,000.00	\$2,000.00	500.00	\$1,000.00	546.12	\$1,092.24		
633	Controller Unit, Type TS2/A2, with Cabinet, Type TS2, As Per Plan	6	EA	\$17,000.00	\$102,000.00	17,700.00	\$106,200.00	15,500.00	\$93,000.00	19,420.54	\$116,523.24		
633	Controller Unit, Type TS2/A2, As Per Plan	1	EA	\$6,000.00	\$6,000.00	3,290.00	\$3,290.00	5,000.00	\$5,000.00	3,817.95	\$3,817.95		
633	Cabinet Foundation	2	EA	\$1,550.00	\$3,100.00	1,495.00	\$2,990.00	2,500.00	\$5,000.00	2,046.29	\$4,092.58		
633	Controller Work Pad	2	EA	\$265.00	\$530.00	375.00	\$750.00	500.00	\$1,000.00	966.65	\$1,933.30		
633	Preemption Detector Cable	1,100	FT	\$1.75	\$1,925.00	1.00	\$1,100.00	3.00	\$3,300.00	2.22	\$2,442.00		
633	Uninterruptible Power Supply (UPS), Battery Replacement	1	EA	\$500.00	\$500.00	1,400.00	\$1,400.00	1,500.00	\$1,500.00	1,512.91	\$1,512.91		

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	ENGINEER'S ESTIMATE		Bansal Construction, Inc. 3264 Homeward Way Fairfield, OH 45014 Phone (513) 574-5410 Fax (513) 874-1346		Miller Cable Company 210 South Broadway Green Springs, OH 44811 Phone (419) 639-2091 Fax (419) 639-3824		Capital Electric Line Builders 3150 Enerete Lane Dayton, OH 45439 Phone (937) 424-2550 Fax (937) 297-1365	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
633	Reuse of Preemption Installation	6	EA	\$500.00	\$3,000.00	800.00	\$4,800.00	2,000.00	\$12,000.00	546.12	\$3,276.72
633	Reuse of Uninterruptible Power Supply	1	EA	\$500.00	\$500.00	1,000.00	\$1,000.00	1,100.00	\$1,100.00	866.24	\$866.24
633	Replace Antenna Feed Line	2	EA	\$300.00	\$600.00	500.00	\$1,000.00	225.00	\$450.00	326.41	\$652.82
633	Ethernet Drop Cable	2	EA	\$400.00	\$800.00	250.00	\$500.00	1,000.00	\$2,000.00	1,506.47	\$3,012.94
633	10/100/1000 Ethernet Switch	5	EA	\$1,500.00	\$7,500.00	7,250.00	\$36,250.00	7,500.00	\$37,500.00	7,087.60	\$35,438.00
633	Central Office Monitor (Software)	1	EA	\$5,000.00	\$5,000.00	92,000.00	\$92,000.00	94,500.00	\$94,500.00	105,667.29	\$105,667.29
633	Video Monitoring Equipment	1	EA	\$5,000.00	\$5,000.00	17,210.00	\$17,210.00	15,000.00	\$15,000.00	21,154.59	\$21,154.59
644	Stop Line	18	FT	\$8.50	\$153.00	\$8.65	\$155.70	\$9.00	\$162.00	\$9.77	\$175.86
644	Crosswalk Line	218	FT	\$4.00	\$872.00	\$6.65	\$1,449.70	\$7.00	\$1,526.00	\$7.51	\$1,637.18
644	Removal of Pavement Marking	272	FT	\$5.00	\$1,360.00	\$5.95	\$1,618.40	\$6.00	\$1,632.00	\$6.72	\$1,827.84
804	Fiber Termination Panel, 6 Fiber	2	EA	\$400.00	\$800.00	\$450.00	\$900.00	\$1,150.00	\$2,300.00	\$641.52	\$1,283.04
804	Fiber Termination Panel, 12 Fiber	2	EA	\$500.00	\$1,000.00	\$475.00	\$950.00	\$1,700.00	\$3,400.00	\$652.82	\$1,305.64
804	Slack Installation	8	EA	\$400.00	\$3,200.00	\$125.00	\$1,000.00	\$150.00	\$1,200.00	\$552.41	\$4,419.28
804	Fiber Optic Cable Testing	1	LS	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,933.29	\$1,933.29
804	Drop Cable, Armored, 6 Fiber	2,050	FT	\$2.00	\$4,100.00	\$2.95	\$6,047.50	\$2.50	\$5,125.00	\$3.88	\$7,954.00
809	CCTV IP-Camera System, Dome-Type	3	EA	\$9,000.00	\$27,000.00	\$7,350.00	\$22,050.00	\$8,200.00	\$24,600.00	\$9,194.04	\$27,582.12
809	ITS Cabinet - Pole Mounted	4	EA	\$6,000.00	\$24,000.00	\$5,670.00	\$22,680.00	\$4,800.00	\$19,200.00	\$5,662.29	\$22,649.16
809	ITS Device, Misc: 70 Foot Pole Support	3	EA	\$20,000.00	\$60,000.00	\$35,900.00	\$107,700.00	\$32,000.00	\$96,000.00	\$42,442.91	\$127,328.73
815	Spread Spectrum Radio, As, Per Plan, 900 MHZ	7	EA	\$2,000.00	\$14,000.00	\$3,530.00	\$24,710.00	\$3,500.00	\$24,500.00	\$3,667.99	\$25,675.93
815	Spread Spectrum Radio, As, Per Plan, 5.8 GHZ	4	EA	\$3,000.00	\$12,000.00	\$4,000.00	\$16,000.00	\$4,100.00	\$16,400.00	\$4,213.78	\$21,068.90
816	Video Detection System	1	EA	\$14,850.00	\$14,850.00	\$21,975.00	\$21,975.00	\$21,000.00	\$21,000.00	\$21,333.32	\$21,333.32

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
MISCELLANEOUS											
614	Maintaining Traffic	1	LS	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$37,229.00	\$37,229.00	\$8,599.41	\$8,599.41
623	Construction Layout Stakes and Surveying	1	LS	\$2,500.00	\$2,500.00	\$2,516.00	\$2,516.00	\$5,525.00	\$5,525.00	\$2,995.00	\$2,995.00
624	Mobilization	1	LS	\$5,000.00	\$5,000.00	\$38,000.00	\$38,000.00	\$30,295.00	\$30,295.00	\$5,103.44	\$5,103.44
1001	Premium for Owner's Protective Insurance	1	LS	\$1,000.00	\$1,000.00	\$783.00	\$783.00	\$300.00	\$300.00	\$1,857.72	\$1,857.72
1002	Premium for Contract Performance and Payment Bond	1	LS	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00	\$7,162.50	\$7,162.50	\$5,573.16	\$5,573.16
				Read as \$753,863.75				Read as \$809,192.88			
<b>CORRECTION</b>											
815	Spread Spectrum Radio, As, Per Plan, 5.8 GHZ	4	EA							\$4,213.78	\$16,855.12
				<b>BASE BID TOTAL</b>		<b>\$508,206.50</b>		<b>\$763,123.75</b>		<b>\$802,250.00</b>	
										<b>\$804,979.10</b>	

**ENGINEER'S ESTIMATE**

Bansal Construction, Inc.  
3264 Homeward Way  
Fairfield, OH 45014  
Phone (513) 574-5410  
Fax (513) 874-1346

Miller Cable Company  
210 South Broadway  
Green Springs, OH 44811  
Phone (419) 639-2091  
Fax (419) 639-3824

Capital Electric Line Builders  
3150 Encrete Lane  
Dayton, OH 45439  
Phone (937) 424-2550  
Fax (937) 297-1365

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<b>ENGINEER'S ESTIMATE</b>	<b>J. Ranck Electric, Inc.</b> 1993 Gover Parkway Mt. Pleasant, MI 48858 Phone (989) 775-7393 Fax (989) 775-8830
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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
<b>PAVEMENT</b>											
*261	Pavement Restoration, Type D Mod	3	SY	\$475.00	\$1,425.00	\$550.00	\$1,650.00				
608	4" Concrete Walk	242	SF	\$10.00	\$2,420.00	\$25.00	\$6,050.00				
*608	Curb Ramp, As Per Plan	60	SF	\$28.00	\$1,680.00	\$25.00	\$1,500.00				
*609	Curb, Type A	102	LF	\$30.00	\$3,060.00	\$50.00	\$5,100.00				
<b>TRAFFIC SIGNALS</b>											
625	Conduit, 2", 725.051	30	FT	\$5.75	\$172.50	\$3.50	\$105.00				
625	Conduit, 3", 725.051	256	FT	\$6.00	\$1,536.00	\$4.75	\$1,216.00				
625	Conduit, 4", 725.051	20	FT	\$9.00	\$180.00	\$11.00	\$220.00				
625	Conduit, Jacked or Drilled, 725.04, 2"	136	FT	\$30.00	\$4,080.00	\$45.00	\$6,120.00				
625	Conduit, Jacked or Drilled, 725.04, 3"	152	FT	\$30.00	\$4,560.00	\$45.00	\$6,840.00				
625	Conduit, Jacked or Drilled, 725.04, 4"	405	FT	\$30.00	\$12,150.00	\$46.00	\$18,630.00				
625	Conduit Cleaned and Cables Removed	1,680	FT	\$1.00	\$1,680.00	\$0.75	\$1,260.00				
625	Trench	253	FT	\$6.25	\$1,581.25	\$11.50	\$2,909.50				
625	Pull Box, 725.08, 18"	2	EA	\$650.00	\$1,300.00	\$875.00	\$1,750.00				
625	Pull Box, 725.06, 24" x 36"	10	EA	\$775.00	\$7,750.00	\$1,550.00	\$15,500.00				
625	Ground Rod	6	EA	\$160.00	\$960.00	\$200.00	\$1,200.00				
630	Sign Hanger Assembly, Mast Arm, As Per Plan	14	EA	\$300.00	\$4,200.00	\$300.00	\$4,200.00				
630	Sign, Flat Sheet	112.5	SF	\$16.00	\$1,800.00	\$20.00	\$2,250.00				
632	Pedestrian Pushbutton	3	EA	\$203.50	\$610.50	\$350.00	\$1,050.00				
632	Vehicular Signal Head, (LED), 3-Section, 12"										
632	Lens, 1-Way, Polycarbonate, As Per Plan	15	EA	\$800.00	\$12,000.00	\$850.00	\$12,750.00				
632	Vehicular Signal Head, (LED), 5-Section, 12"										
632	Lens, 1-Way, Polycarbonate, As Per Plan	2	EA	\$1,250.00	\$2,500.00	\$1,400.00	\$2,800.00				
632	Covering of Vehicular Signal Head	17	EA	\$40.00	\$680.00	\$175.00	\$2,975.00				
632	Signal Cable, 3 Conductor, No. 10 AWG	391	FT	\$2.25	\$879.75	\$2.00	\$782.00				
632	Signal Cable, 5 Conductor, No. 14 AWG	2,940	FT	\$2.00	\$5,880.00	\$2.25	\$6,615.00				
632	Signal Cable, 7 Conductor, No. 14 AWG	1,070	FT	\$2.50	\$2,675.00	\$2.50	\$2,675.00				

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		ENGINEER'S ESTIMATE			J. Ranek Electric, Inc. 1993 Gover Parkway Mt. Pleasant, MI 48858 Phone (989) 775-7393 Fax (989) 775-8830						
ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
632	Signal Support Foundation, As Per Plan	4	FT	\$3,200.00	\$12,800.00	4,800.00	\$19,200.00				
632	Interconnect Misc: Disconnect Existing Cable	7	EA	\$500.00	\$3,500.00	400.00	\$2,800.00				
632	Strain Pole Foundation	1	EA	\$4,450.00	\$4,450.00	4,500.00	\$4,500.00				
632	Loop Detector Lead-In Cable	1,200	FT	\$1.75	\$2,100.00	1.75	\$2,100.00				
632	Power Cable, 3 Conductor, No. 6 AWG	75	FT	\$4.00	\$300.00	6.00	\$450.00				
632	Power Service, As Per Plan	7	EA	\$2,000.00	\$14,000.00	2,000.00	\$14,000.00				
632	Service Cable, 3 Conductor, No. 6 AWG	159	FT	\$3.50	\$556.50	6.00	\$954.00				
632	Signal Support, Mechanical Damper for TC-81.21 Mast Arm (Greater than 59' in length), As Per Plan	3	EA	\$700.00	\$2,100.00	525.00	\$1,575.00				
632	Signal Support, Type TC-81.21, Design 11, As Per Plan	1	EA	\$8,500.00	\$8,500.00	11,500.00	\$11,500.00				
632	Signal Support, Type TC-81.21, Design 14, As Per Plan	3	EA	\$12,000.00	\$36,000.00	17,000.00	\$51,000.00				
632	Strain Pole, Type TC-81.10, Design 6, As Per Plan	1	EA	\$4,000.00	\$4,000.00	6,000.00	\$6,000.00				
632	Pedestal, 3', Transformer Base	2	EA	\$450.00	\$900.00	1,150.00	\$2,300.00				
632	Removal of Traffic Signal Installation for Storage, As Per Plan	7	EA	\$1,500.00	\$10,500.00	1,400.00	\$9,800.00				
632	Removal of Pedestrian Pushbutton	2	EA	\$725.00	\$1,450.00	100.00	\$200.00				
632	Reuse of Controller	2	EA	\$1,500.00	\$3,000.00	950.00	\$1,900.00				
633	Controller Unit, Type TS2/A2, with Cabinet, Type TS2, As Per Plan	6	EA	\$17,000.00	\$102,000.00	19,750.00	\$118,500.00				
633	Controller Unit, Type TS2/A2, As Per Plan	1	EA	\$6,000.00	\$6,000.00	4,200.00	\$4,200.00				
633	Cabinet Foundation	2	EA	\$1,550.00	\$3,100.00	1,600.00	\$3,200.00				
633	Controller Work Pad	2	EA	\$265.00	\$530.00	3,100.00	\$6,200.00				
633	Preemption Detector Cable	1,100	FT	\$1.75	\$1,925.00	2.00	\$2,200.00				
633	Uninterruptible Power Supply (UPS), Battery Replacement	1	EA	\$500.00	\$500.00	1,700.00	\$1,700.00				

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
633	Reuse of Preemption Installation	6	EA	\$500.00	\$3,000.00	1,300.00	\$7,800.00		
633	Reuse of Uninterruptible Power Supply	1	EA	\$500.00	\$500.00	2,000.00	\$2,000.00		
633	Replace Antenna Feed Line	2	EA	\$300.00	\$600.00	350.00	\$700.00		
633	Ethernet Drop Cable	2	EA	\$400.00	\$800.00	1,850.00	\$3,700.00		
633	10/100/1000 Ethernet Switch	5	EA	\$1,500.00	\$7,500.00	8,000.00	\$40,000.00		
633	Central Office Monitor (Software)	1	EA	\$5,000.00	\$5,000.00	121,575.00	\$121,575.00		
633	Video Monitoring Equipment	1	EA	\$5,000.00	\$5,000.00	21,000.00	\$21,000.00		
644	Stop Line	18	FT	\$8.50	\$153.00	\$8.65	\$155.70		
644	Crosswalk Line	218	FT	\$4.00	\$872.00	\$6.65	\$1,449.70		
644	Removal of Pavement Marking	272	FT	\$5.00	\$1,360.00	\$5.95	\$1,618.40		
804	Fiber Termination Panel, 6 Fiber	2	EA	\$400.00	\$800.00	\$800.00	\$1,600.00		
804	Fiber Termination Panel, 12 Fiber	2	EA	\$500.00	\$1,000.00	\$1,100.00	\$2,200.00		
804	Slack Installation	8	EA	\$400.00	\$3,200.00	\$225.00	\$1,800.00		
804	Fiber Optic Cable Testing	1	LS	\$5,000.00	\$5,000.00	\$2,800.00	\$2,800.00		
804	Drop Cable, Armored, 6 Fiber	2,050	FT	\$2.00	\$4,100.00	\$2.25	\$4,612.50		
809	CCTV IP-Camera System, Dome-Type	3	EA	\$9,000.00	\$27,000.00	\$8,000.00	\$24,000.00		
809	ITS Cabinet - Pole Mounted	4	EA	\$6,000.00	\$24,000.00	\$4,500.00	\$18,000.00		
809	ITS Device, Misc: 70 Foot Pole Support	3	EA	\$20,000.00	\$60,000.00	\$50,000.00	\$150,000.00		
815	Spread Spectrum Radio, As, Per Plan, 900 MHZ	7	EA	\$2,000.00	\$14,000.00	\$5,500.00	\$38,500.00		
815	Spread Spectrum Radio, As, Per Plan, 5.8 GHZ	4	EA	\$3,000.00	\$12,000.00	\$11,000.00	\$44,000.00		
816	Video Detection System	1	EA	\$14,850.00	\$14,850.00	\$21,750.00	\$21,750.00		





**CLA - Bechtel Signals, PID 98859 - ALTERNATE #1**

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	ENGINEER'S ESTIMATE				Bansal Construction, Inc. 3264 Homeward Way Fairfield, OH 45014 Phone (513) 574-5410 Fax (513) 874-1346				Miller Cable Company 210 South Broadway Green Springs, OH 44811 Phone (419) 639-2091 Fax (419) 639-3824				Capital Electric Line Builders 3150 Encrete Lane Dayton, OH 45439 Phone (937) 424-2550 Fax (937) 297-1365			
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL								
633	Central Office Monitor (Software)	1	EA	\$81,500.00	\$81,500.00	\$92,000.00	\$92,000.00	\$105,500.00	\$105,500.00	\$105,667.29	\$105,667.29								
633	Central Office Monitor (Hardware)	1	EA	\$15,000.00	\$15,000.00	\$15,240.00	\$15,240.00	\$26,000.00	\$26,000.00	\$18,928.49	\$18,928.49								
633	Video Monitoring Equipment	1	EA	\$500.00	\$500.00	\$17,210.00	\$17,210.00	\$19,750.00	\$19,750.00	\$21,154.59	\$21,154.59								
<b>ALTERNATE TOTAL</b>					<b>\$97,000.00</b>		<b>\$124,450.00</b>		<b>\$151,250.00</b>		<b>\$145,750.37</b>								
<b>GRAND TOTAL</b>					<b>\$605,206.50</b>		<b>\$887,573.75</b>		<b>\$953,500.00</b>		<b>\$950,729.47</b>								

**CLA - Bechtle Signals, PID 98859 - ALTERNATE #1**

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ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	ENGINEER'S ESTIMATE		J. Ranck Electric, Inc.		UNIT COST	TOTAL
				UNIT COST	TOTAL	UNIT COST	TOTAL		
633	Central Office Monitor (Software)	1	EA	\$81,500.00	\$81,500.00	\$121,575.00	\$121,575.00		
633	Central Office Monitor (Hardware)	1	EA	\$15,000.00	\$15,000.00	\$22,000.00	\$22,000.00		
633	Video Monitoring Equipment	1	EA	\$500.00	\$500.00	\$24,500.00	\$24,500.00		
<b>ALTERNATE TOTAL</b>					\$97,000.00		\$168,075.00		
<b>GRAND TOTAL</b>					\$605,206.50		\$1,122,362.80		