

H.F. LENZ COMPANY

CONSTRUCTION COST ESTIMATE				JOB NAME: WCSD SugarGrove Elementary School Fire Alarm System Replacement				
ITEM: WCSD SugarGrove Elementary School Electrical Probable Cost				JOB #: DATE: 3/31/2007 ESTIMATOR: LAG SHEET 3 OF 4				
ITEM	DESCRIPTION	QTY	UNIT	MATERIAL COST		LABOR COST		LINE TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
	SugarGrove Elementary School							
1	Demo.patch. Paint ex. Devices location	8	ea	85.00	680.00	55.00	440.00	1,120.00
2	Fire alarm pull station device	6	ea	90.00	540.00	55.00	330.00	870.00
3	Fire Alarm strobe only device	21	ea	65.00	1,365.00	75.00	1,575.00	2,940.00
4	Fire Alarm Horn/strobe device	15	ea	85.00	1,275.00	75.00	1,125.00	2,400.00
5	Fire Alarm Smoke Detector device	10	ea	150.00	1,500.00	55.00	550.00	2,050.00
5	Fire Alarm Heat Detector device	2	ea	130.00	260.00	65.00	130.00	390.00
6	Fire Alarm individual Module Relays	2	ea	150.00	300.00	200.00	400.00	700.00
7	Fire Alarm Annunicator Panel	1	ea	1,000.00	1,000.00	55.00	55.00	1,055.00
8	Fire Alarm Control Panel	1	ea	6,000.00	6,000.00	1,200.00	1,200.00	7,200.00
9	Fire Alarm NAC Panel	1	ea	100.00	100.00	800.00	800.00	900.00
10	30Amp Disconnect Switch	1	ea	65.00	65.00	150.00	150.00	215.00
11	Fire Ansul System	1	ea	3,200.00	3,200.00	2,000.00	2,000.00	5,200.00
12	Fire Alarm device wire guard	5	ea	40.00	200.00			200.00
13	Demolition of existing Fire Alarm panel	1	ea			1,000.00	1,000.00	1,000.00
14	1/2" Emt conduit.	2000	lf	0.35	700.00	3.00	6,000.00	6,700.00
15	2# 18 Tw.Sh. Cable	3400	lf	0.15	510.00	0.40	1,360.00	1,870.00
16	#14 THHN Wire	6500	lf	0.06	390.00	0.22	1,430.00	1,820.00
17	4" Square Boxes	80	ea	6.00	480.00	25.00	2,000.00	2,480.00
18	Programming/Testing/Close-out documents	1	ls	1,200.00	1,200.00	1,200.00	1,200.00	2,400.00
19	Training	1	ls	1,200.00	1,200.00	1,200.00	1,200.00	2,400.00
20	Replace existing N/E Electrical Panel	1	ea	700.00	700.00	300.00	300.00	1,000.00
21	Subtotal I (Total of Above)				21,665.00		23,245.00	44,910.00
22	Overhead & Profit	10%			2,166.50		2,324.50	4,491.00
23	Subtotal III				23,831.50		25,569.50	49,401.00
24	Bond	1%			238.32		255.70	494.01
25	Subtotal IV				24,069.82		25,825.20	49,895.01
26	Tax	6%			1,444.19			1,444.19
27	TOTAL PROJECT ELEC COST				25,514.00		25,825.20	\$51,339.20
	Alternate Bid is to install conduit stubs plenum rated cable and j-hooks in lieu of complete electrical conduit system Below is cost savings							
	Conduit system non-plenum cable	1	ls		1,600.00		8,790.00	\$10,390.00
	Conduit stubs, j-hooks with plenum cable	1	ls		1,200.00		6,153.00	\$7,353.00
	Cost Savings							-\$3,037.00
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CONSTRUCTION COST ESTIMATE				JOB NAME: WCSD SouthStreet Elementary School Fire Alarm System Replacement				
ITEM: WCSD SouthStreet Elementary School Electrical Probable Cost				JOB #: DATE: 3/31/2007 ESTIMATOR: LAG SHEET 4 OF 4				
ITEM	DESCRIPTION	QTY	UNIT	MATERIAL COST		LABOR COST		LINE TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
	SouthStreet Elementary School							
1	Demo patch. Paint ex. Devices location	6	ea	85.00	510.00	55.00	330.00	840.00
2	Fire alarm pull station device	14	ea	90.00	1,260.00	55.00	770.00	2,030.00
3	Fire Alarm strobe only device	46	ea	65.00	2,990.00	75.00	3,450.00	6,440.00
4	Fire Alarm Horn/strobe device	16	ea	85.00	1,360.00	75.00	1,200.00	2,560.00
5	Fire Alarm Smoke Detector device	18	ea	150.00	2,700.00	55.00	990.00	3,690.00
5	Fire Alarm Heat Detector device	9	ea	130.00	1,170.00	65.00	585.00	1,755.00
7	Fire Alarm Duct Detectors	3	ea	400.00	1,200.00	200.00	600.00	1,800.00
8	Fire Alarm individual Module Relays	3	ea	150.00	450.00	200.00	600.00	1,050.00
9	Fire Alarm Annunicator Panel	1	ea	1,000.00	1,000.00	55.00	55.00	1,055.00
10	Fire Alarm Control Panel	1	ea	6,000.00	6,000.00	1,200.00	1,200.00	7,200.00
11	Fire Alarm NAC Panel	1	ea	100.00	100.00	800.00	800.00	900.00
12	30Amp Disconnect Switch	1	ea	65.00	65.00	150.00	150.00	215.00
13	Fire Alarm device wire guard	5	ea	40.00	200.00			200.00
14	Demolition of existing Fire Alarm panel	1	ea			1,000.00	1,000.00	1,000.00
15	1/2" Emt conduit.	4000	lf	0.35	1,400.00	3.00	12,000.00	13,400.00
16	2# 18 Tw.Sh. Cable	4500	lf	0.15	675.00	0.40	1,800.00	2,475.00
17	#14 THHN Wire	9000	lf	0.06	540.00	0.22	1,980.00	2,520.00
18	4" Square Boxes	120	ea	6.00	720.00	25.00	3,000.00	3,720.00
19	Programming/Testing/Close-out documents	1	ls	1,200.00	1,200.00	1,200.00	1,200.00	2,400.00
20	Training	1	ls	1,200.00	1,200.00	1,200.00	1,200.00	2,400.00
22	Subtotal				24,740.00		32,910.00	55,250.00
23	Area Rescue System							
24	Area Rescue station	4	ea	200.00	800.00	150.00	600.00	1,400.00
25	Area Rescue Master station	2	ea	600.00	1,200.00	250.00	500.00	1,700.00
26	Conduit and system Cable	1	ls	1,600.00	1,600.00	3,000.00	3,000.00	4,600.00
27	Subtotal							7,700.00
28	Subtotal I (Total of Above)				28,340.00		37,010.00	65,350.00
29	Overhead & Profit	10%			2,834.00		3,701.00	6,535.00
30	Subtotal III				31,174.00		40,711.00	71,885.00
31	Bond	1%			311.74		407.11	718.85
32	Subtotal IV				31,485.74		41,118.11	72,603.85
33	Tax	6%			1,889.14			1,889.14
34	TOTAL PROJECT ELEC COST				33,374.88		41,118.11	\$74,492.99
	Alternate Bid is to install conduit stubs plenum rated cable and j-hooks in lieu of complete electrical conduit system Below is cost savings							
	Conduit system non-plenum cable	1	ls		2,615.00		15,780.00	\$18,395.00
	Conduit stubs, j-hooks with plenum cable	1	ls		1,961.25		11,046.00	\$13,007.25
	Cost Savings							-\$5,387.75

CONSTRUCTION COST ESTIMATE

JOB #:
DATE: 3/31/2007
ESTIMATOR: LAG
SHEET 1 OF

SHEET 1 OF 4

Revised: 4/27/2009

CONSTRUCTION COST ESTIMATE				JOB NAME: WCSO Sheffield Elementary School Fire Alarm System Replacement				
ITEM: WCSO Sheffield Elementary School				JOB #: DATE: 3/31/2007 ESTIMATOR: LAG				
ITEM	DESCRIPTION	QTY	UNIT	MATERIAL COST		LABOR COST		LINE TOTAL
				PER UNIT	TOTAL	PER UNIT	TOTAL	
	Sheffield Elementary School							
1	Demo patch. Paint ex. Devices location	12	ea	85.00	1,020.00	55.00	660.00	1,680.00
2	Fire alarm pull station device	10	ea	90.00	900.00	55.00	550.00	1,450.00
3	Fire Alarm strobe only device	21	ea	65.00	1,365.00	75.00	1,575.00	2,940.00
4	Fire Alarm Horn/strobe device	15	ea	85.00	1,275.00	75.00	1,125.00	2,400.00
5	Fire Alarm Smoke Detector device	10	ea	150.00	1,500.00	55.00	550.00	2,050.00
5	Fire Alarm Heat Detector device	2	ea	130.00	260.00	65.00	130.00	390.00
6	Fire Alarm individual Module Relays	2	ea	150.00	300.00	200.00	400.00	700.00
7	Fire Alarm Annunciator Panel	1	ea	1,000.00	1,000.00	55.00	55.00	1,055.00
8	Fire Alarm Control Panel	1	ea	6,000.00	6,000.00	1,200.00	1,200.00	7,200.00
9	Fire Alarm NAC Panel	1	ea	100.00	100.00	800.00	800.00	900.00
10	30Amp Disconnect Switch	1	ea	65.00	65.00	150.00	150.00	215.00
12	Fire Ansul System	1	ea	3,200.00	3,200.00	2,000.00	2,000.00	5,200.00
13	Fire Alarm device wire guard	5	ea	40.00	200.00			200.00
14	Demolition of existing Fire Alarm panel	1	ea			1,000.00	1,000.00	1,000.00
15	1/2" Emt conduit.	2100	lf	0.35	735.00	3.00	6,300.00	7,035.00
17	2# 18 Tw.Sh. Cable	3500	lf	0.15	525.00	0.40	1,400.00	1,925.00
18	#14 THHN Wire	7000	lf	0.06	420.00	0.22	1,540.00	1,960.00
19	4" Square Boxes	90	ea	6.00	540.00	25.00	2,250.00	2,790.00
20	Programming/Testing/Close-out documents	1	ls	1,200.00	1,200.00	1,200.00	1,200.00	2,400.00
21	Training	1	ls	1,200.00	1,200.00	1,200.00	1,200.00	2,400.00
22	Replace existing N/E Electrical Panel	1	ea	700.00	700.00	300.00	300.00	1,000.00
23	Subtotal				22,505.00		24,385.00	43,490.00
	Area Rescue System							
24	Area Rescue station	2	ea	200.00	400.00	150.00	300.00	700.00
25	Area Rescue Master station	2	ea	600.00	1,200.00	250.00	500.00	1,700.00
26	Conduit and system Cable	1	ls	800.00	800.00	1,500.00	1,500.00	2,300.00
27	Subtotal				2,400.00		2,300.00	4,700.00
28	Subtotal I (Total of Above)				24,905.00		26,685.00	51,590.00
29	Overhead & Profit	10%			2,490.50		2,668.50	5,159.00
30	Subtotal III				27,395.50		29,353.50	56,749.00
31	Bond	1%			273.96		293.54	567.49
32	Subtotal IV				27,669.46		29,647.04	57,316.49
33	Tax	6%			1,660.17			1,660.17
34	TOTAL PROJECT ELEC COST				29,329.62		29,647.04	\$58,976.66
	Alternate Bid is to install conduit stubs plenum rated cable and j-hooks in lieu of complete electrical conduit system Below is cost savings							
	Conduit system non-plenum cable	1	ls		3,737.00		9,240.00	\$12,977.00
	Conduit stubs, j-hooks with plenum cable	1	ls		2,616.00		6,468.00	\$9,084.00
	Cost Savings							-\$3,893.00