

EST NUMBER: WEB16050  
RUN DATE.: 08/05/09 08:50am  
DATA DATE.: SEPT 2009

SITE ELECTRICAL UTILITIES ESTIMATE  
ANYTOWN, ANYWHERE  
ESTIMATE SUMMARY

PREPARED FOR: ALL OF OUR CLIENTS  
PREPARED BY.: TEMPEST COMPANY  
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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
SCHOOL	898.9	44,237	47,748	4,850	1,530	98,365
*** TOTAL ESTIMATED COST ***	898.9	44,237	47,748	4,850	1,530	98,365

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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
SITWORK	898.9	44,237	47,748	4,850	1,530	98,365
*** SCHOOL ESTIMATED COST ***	898.9	44,237	47,748	4,850	1,530	98,365

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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
SITE ELECTRICAL UTILITIES	898.9	44,237	47,748	4,850	1,530	98,365
*** SITWORK ESTIMATED COST ***	898.9	44,237	47,748	4,850	1,530	98,365

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SITE ELECTRICAL UTILITIES SUMMARY - SCHOOL

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DESCRIPTION	LABOR MANHOURS	LABOR DOLLARS	MATERIAL DOLLARS	EQUIPMENT DOLLARS	SUBCONTRACT DOLLARS	TOTAL DOLLARS
MEDIUM VOLTAGE DISTRIBUTION SYSTEM	54.2	2,667	3,391	838	0	6,896
600 VOLT DISTRIBUTION SYSTEM	130.6	6,427	6,626	0	1,530	14,583
EQUIPMENT WIRING	4.2	207	40	0	0	247
SITE LIGHTING	529.7	26,067	36,061	2,381	0	64,509
TELEPHONE - MEDIA SERVICE ENTRANCE	92.1	4,532	1,026	1,075	0	6,633
SECURITY SYSTEM	88.1	4,337	604	556	0	5,497
*** SITE ELECTRICAL UTILITIES ESTIMATED COST ***	898.9	44,237	47,748	4,850	1,530	98,365

DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
<b>MEDIUM VOLTAGE DISTRIBUTION SYSTEM</b>													
4" Poly Vinyl Chloride Conduit Schedule 40 In Trench	335	Lin Ft	0.055	18.4	49.21	905	1.44	482	0	0	0	0	1,387
4" PVC Coupling Schedule 40	4	Each	0	0.0	0	0	5.01	20	0	0	0	0	20
4" PVC Bell End Schedule 40-80	2	Each	0.4	0.8	49.21	39	5.28	11	0	0	0	0	50
4" PVC 90 Degree x 48" Elbow Schedule 40	2	Each	1.5	3.0	49.21	148	31.36	63	0	0	0	0	211
#6 Solid Bare Copper Wire	10	Lin Ft	0.04	0.4	49.21	20	0.41	4	0	0	0	0	24
3/4" x 10' Copper Ground Rod	1	Each	2.2	2.2	49.21	108	17.95	18	0	0	0	0	126
3/4" Ground Rod Clamp	1	Each	0	0.0	0	0	1.19	1	0	0	0	0	1
8" Wide x 48" Deep Ditch Witch Trench	335	Lin Ft	0.08	26.8	49.21	1,319	0	0	2.5	838	0	0	2,157
8' x 10' Concrete Pad w/Footings for Exterior Pad Mounted Transformer	1	Each	0	0.0	0	0	1,180	1,180	0	0	0	0	1,180
Concrete Filled Pipe Bollard	8	Each	0	0.0	0	0	200	1,600	0	0	0	0	1,600
1/4" Pull Line	252	Lin Ft	0.0105	2.6	49.21	128	0.04793	12	0	0	0	0	140
<b>*** MEDIUM VOLTAGE DISTRIBUTION SYSTEM ESTIMATED COST ***</b>				54.2		2,667		3,391		838		0	6,896
<b>600 VOLT DISTRIBUTION SYSTEM</b>													
1" Intermediate Metal Conduit	20	Lin Ft	0.06	1.2	49.21	59	1.85	37	0	0	0	0	96
2" Intermediate Metal Conduit	20	Lin Ft	0.09	1.8	49.21	89	3.63	73	0	0	0	0	162
1" Poly Vinyl Chloride Conduit Schedule 40 In Trench	620	Lin Ft	0.03	18.6	49.21	915	0.25	155	0	0	0	0	1,070
2" Poly Vinyl Chloride Conduit Schedule 40 In Trench	620	Lin Ft	0.04	24.8	49.21	1,220	0.54	335	0	0	0	0	1,555
4" Poly Vinyl Chloride Conduit Schedule 40 In Trench	140	Lin Ft	0.055	7.7	49.21	379	1.44	202	0	0	0	0	581
1" Locknut	8	Each	0.14	1.1	49.21	54	0.3625	3	0	0	0	0	57
2" Locknut	8	Each	0.27	2.2	49.21	108	0.8663	7	0	0	0	0	115
1" Die Cast Grounding Bushing Insulated	4	Each	0.22	0.9	49.21	44	2.23	9	0	0	0	0	53
2" Die Cast Grounding Bushing Insulated	4	Each	0.46	1.8	49.21	89	3.99	16	0	0	0	0	105
1" GRC or IMC Cut & Thread	2	Each	0.32	0.6	49.21	30	0	0	0	0	0	0	30
2" GRC or IMC Cut & Thread	2	Each	0.63	1.3	49.21	64	0	0	0	0	0	0	64
1" PVC Coupling Schedule 40	16	Each	0	0.0	0	0	0.459	7	0	0	0	0	7
2" PVC Coupling Schedule 40	8	Each	0	0.0	0	0	1.12	9	0	0	0	0	9
4" PVC Coupling Schedule 40	16	Each	0	0.0	0	0	5.01	80	0	0	0	0	80

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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
1" PVC Female Adaptor Schedule 40-80	4	Each	0.18	0.7	49.21	34	0.8	3	0	0	0	0	37
2" PVC Female Adaptor Schedule 40-80	4	Each	0.3	1.2	49.21	59	1.54	6	0	0	0	0	65
1" PVC Bell End Schedule 40-80	4	Each	0.16	0.6	49.21	30	2.06	8	0	0	0	0	38
2" PVC Bell End Schedule 40-80	4	Each	0.23	0.9	49.21	44	3.78	15	0	0	0	0	59
4" PVC Bell End Schedule 40-80	8	Each	0.4	3.2	49.21	157	5.28	42	0	0	0	0	199
1" PVC 90 Degree x 36" Elbow Schedule 40	4	Each	0.35	1.4	49.21	69	1.35	5	0	0	0	0	74
2" PVC 90 Degree x 36" Elbow Schedule 40	4	Each	0.65	2.6	49.21	128	3.77	15	0	0	0	0	143
4" PVC 90 Degree x 36" Elbow Schedule 40	8	Each	1.5	12.0	49.21	591	19.98	160	0	0	0	0	751
Unistrut (Deep)	4	Lin Ft	0.08	0.3	49.21	15	4.13	17	0	0	0	0	32
#600MCM THHN Stranded Copper Wire	800	Lin Ft	0.04	32.0	49.21	1,575	6.7	5,360	0	0	0	0	6,935
Backhoe Excavation & Backfill Cubic Yard	34	Cu Yds	0	0.0	0	0	0	0	0	0	45	1,530	1,530
1/4" Pull Line	1,302	Lin Ft	0.0105	13.7	49.21	674	0.04793	62	0	0	0	0	736
*** 600 VOLT DISTRIBUTION SYSTEM ESTIMATED COST ***				130.6		6,427		6,626		0		1,530	14,583
EQUIPMENT WIRING													
1" Intermediate Metal Conduit	5	Lin Ft	0.06	0.3	49.21	15	1.85	9	0	0	0	0	24
1" Poly Vinyl Chloride Conduit Schedule 40 In Trench	70	Lin Ft	0.03	2.1	49.21	103	0.25	18	0	0	0	0	121
1" Locknut	2	Each	0.14	0.3	49.21	15	0.3625	1	0	0	0	0	16
1" Die Cast Grounding Bushing Insulated	1	Each	0.22	0.2	49.21	10	2.23	2	0	0	0	0	12
1" GRC or IMC Cut & Thread	1	Each	0.32	0.3	49.21	15	0	0	0	0	0	0	15
1" PVC Coupling Schedule 40	4	Each	0	0.0	0	0	0.459	2	0	0	0	0	2
1" PVC Female Adaptor Schedule 40-80	1	Each	0.18	0.2	49.21	10	0.8	1	0	0	0	0	11
1" PVC 90 Degree x 36" Elbow Schedule 40	2	Each	0.35	0.7	49.21	34	1.35	3	0	0	0	0	37
Unistrut (Deep)	1	Lin Ft	0.08	0.1	49.21	5	4.13	4	0	0	0	0	9
*** EQUIPMENT WIRING ESTIMATED COST ***				4.2		207		40		0		0	247
SITE LIGHTING													
30' Steel Pole	21	Each	5	105.0	49.21	5,167	0	0	0	0	0	0	5,167
1" Electrical Metallic Tubing	70	Lin Ft	0.055	3.9	49.21	192	0.64	45	0	0	0	0	237
1" Intermediate Metal Conduit	15	Lin Ft	0.06	0.9	49.21	44	1.85	28	0	0	0	0	72

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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
1" Poly Vinyl Chloride Conduit Schedule 40 In Trench	1,970	Lin Ft	0.03	59.1	49.21	2,908	0.25	493	0	0	0	0	3,401
1" EMT Set Screw Steel Coupling	7	Each	0	0.0	0	0	0.81	6	0	0	0	0	6
1" EMT Compression Steel Connector Insulated Throat	2	Each	0.16	0.3	49.21	15	1.89	4	0	0	0	0	19
1" Locknut	6	Each	0.14	0.8	49.21	39	0.3625	2	0	0	0	0	41
1" Die Cast Grounding Bushing Insulated	3	Each	0.22	0.7	49.21	34	2.23	7	0	0	0	0	41
1" GRC or IMC Cut & Thread	3	Each	0.32	1.0	49.21	49	0	0	0	0	0	0	49
1" PVC Coupling Schedule 40	70	Each	0	0.0	0	0	0.459	32	0	0	0	0	32
1" PVC Female Adaptor Schedule 40-80	3	Each	0.18	0.5	49.21	25	0.8	2	0	0	0	0	27
1" PVC Bell End Schedule 40-80	3	Each	0.16	0.5	49.21	25	2.06	6	0	0	0	0	31
1" PVC Termination w/o Adapter	22	Each	0	0.0	0	0	0	0	0	0	0	0	0
1" PVC 90 Degree x 36" Elbow Schedule 40	42	Each	0.35	14.7	49.21	723	1.35	57	0	0	0	0	780
1" EMT Unistrut Conduit Clamp	9	Each	0.03	0.3	49.21	15	0.78	7	0	0	0	0	22
Unistrut (Deep)	2	Lin Ft	0.08	0.2	49.21	10	4.13	8	0	0	0	0	18
#12 THHN Stranded Copper Wire	1,365	Lin Ft	0.006	8.2	49.21	404	0.08	109	0	0	0	0	513
#8 THHN Stranded Copper Wire	6,990	Lin Ft	0.01	69.9	49.21	3,440	0.21	1,468	0	0	0	0	4,908
#6 Solid Bare Copper Wire	210	Lin Ft	0.04	8.4	49.21	413	0.41	86	0	0	0	0	499
5/8" x 10' Copper Ground Rod	21	Each	2.2	46.2	49.21	2,274	19.14	402	0	0	0	0	2,676
5/8" Ground Rod Clamp	21	Each	0	0.0	0	0	0.68	14	0	0	0	0	14
4" Wide x 36" Deep Ditch Witch Trench	1,905	Lin Ft	0.08	152.4	49.21	7,500	0	0	1.25	2,381	0	0	9,881
Concrete Pole Base 24" x 96" Deep Flush	21	Each	0	0.0	0	0	620	13,020	0	0	0	0	13,020
Type AA - H.I.D. Single Head 250 Watt Pole Top Fixture	6	Each	2.7	16.2	49.21	797	965	5,790	0	0	0	0	6,587
Type AB1 - H.I.D. Double Head 250 Watt Pole Top Fixture	10	Each	2.7	27.0	49.21	1,329	965	9,650	0	0	0	0	10,979
Type AC - H.I.D. Double Head 250 Watt Pole Top Fixture	5	Each	2.7	13.5	49.21	664	965	4,825	0	0	0	0	5,489
*** SITE LIGHTING ESTIMATED COST ***				529.7		26,067		36,061		2,381		0	64,509
TELEPHONE - MEDIA SERVICE ENTRANCE													
3" Poly Vinyl Chloride Conduit Schedule 40 In Trench	860	Lin Ft	0.05	43.0	49.21	2,116	1.02	877	0	0	0	0	2,993
3" PVC Coupling Schedule 40	6	Each	0	0.0	0	0	3.25	20	0	0	0	0	20
3" PVC Bell End Schedule 40-80	4	Each	0.3	1.2	49.21	59	4.42	18	0	0	0	0	77

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DESCRIPTION	QUANTITY	UNIT MEAS	LABOR MAN UNIT	HOURS TOTAL	LABOR DOLLARS UNIT	TOTAL	MATERIAL DOLLARS UNIT	TOTAL	EQUIPMENT DOLLARS UNIT	TOTAL	SUBCONTRACT DOLLARS UNIT	TOTAL	TOTAL DOLLARS
3" PVC 90 Degree x 36" Elbow Schedule 40	4	Each	1	4.0	49.21	197	17.03	68	0	0	0	0	265
8" Wide x 48" Deep Ditch Witch Trench	430	Lin Ft	0.08	34.4	49.21	1,693	0	0	2.5	1,075	0	0	2,768
1/4" Pull Line	900	Lin Ft	0.0105	9.5	49.21	467	0.04793	43	0	0	0	0	510
*** TELEPHONE - MEDIA SERVICE ENTRANCE ESTIMATED COST ***				92.1		4,532		1,026		1,075		0	6,633
SECURITY SYSTEM													
3/4" Intermediate Metal Conduit	10	Lin Ft	0.055	0.6	49.21	30	1.05	11	0	0	0	0	41
1" Intermediate Metal Conduit	20	Lin Ft	0.06	1.2	49.21	59	1.85	37	0	0	0	0	96
3/4" Poly Vinyl Chloride Conduit Schedule 40 In Trench	400	Lin Ft	0.0275	11.0	49.21	541	0.17	68	0	0	0	0	609
1" Poly Vinyl Chloride Conduit Schedule 40 In Trench	445	Lin Ft	0.03	13.4	49.21	659	0.25	111	0	0	0	0	770
3/4" Locknut	4	Each	0.12	0.5	49.21	25	0.165	1	0	0	0	0	26
1" Locknut	8	Each	0.14	1.1	49.21	54	0.3625	3	0	0	0	0	57
3/4" Die Cast Grounding Bushing Insulated	2	Each	0.21	0.4	49.21	20	2.0969	4	0	0	0	0	24
1" Die Cast Grounding Bushing Insulated	4	Each	0.22	0.9	49.21	44	2.23	9	0	0	0	0	53
3/4" GRC or IMC Cut & Thread	2	Each	0.25	0.5	49.21	25	0	0	0	0	0	0	25
1" GRC or IMC Cut & Thread	4	Each	0.32	1.3	49.21	64	0	0	0	0	0	0	64
3/4" PVC Coupling Schedule 40	4	Each	0	0.0	0	0	0.297	1	0	0	0	0	1
1" PVC Coupling Schedule 40	8	Each	0	0.0	0	0	0.459	4	0	0	0	0	4
3/4" PVC Female Adaptor Schedule 40-80	2	Each	0.16	0.3	49.21	15	0.576	1	0	0	0	0	16
1" PVC Female Adaptor Schedule 40-80	4	Each	0.18	0.7	49.21	34	0.8	3	0	0	0	0	37
3/4" PVC 90 Degree x 36 Elbow Schedule 40	2	Each	0.3	0.6	49.21	30	0.8	2	0	0	0	0	32
1" PVC 90 Degree x 36" Elbow Schedule 40	4	Each	0.35	1.4	49.21	69	1.35	5	0	0	0	0	74
Unistrut (Deep)	1	Lin Ft	0.08	0.1	49.21	5	4.13	4	0	0	0	0	9
#8 THHN Stranded Copper Wire	1,395	Lin Ft	0.01	14.0	49.21	689	0.21	293	0	0	0	0	982
8" x 8" x 4" Screw Cover Pull Box Nema 3R	2	Each	1.5	3.0	49.21	148	22.38	45	0	0	0	0	193
4" Wide x 36" Deep Ditch Witch Trench	445	Lin Ft	0.08	35.6	49.21	1,752	0	0	1.25	556	0	0	2,308
1/8" Pull Line	420	Lin Ft	0.0035	1.5	49.21	74	0.00579	2	0	0	0	0	76
*** SECURITY SYSTEM ESTIMATED COST ***				88.1		4,337		604		556		0	5,497