

Alpha Building Corporation

5541 Bear Lane #201

Corpus Christi, TX 78504

361-299-6292 Fax 361-299-6374

Scope of Work Proposal

Request for Change Order

For

Hidalgo County

Edinburg, TX 78539

Date: 01/26/2012

Title: Hidalgo County Elections Department
Renovations and Additions to Elections Department
Warehouse Located on 317 N. Closner

Project # 201-147-09-20 MSS

Location: Edinburg, TX

Dear Trey,

We are pleased to provide you with our change order for the **Hidalgo County Elections Department Renovations and Additions to Elections Department Warehouse** project. Please see accompanying scope of work. Alpha Building Corporation is extending this price to Hidalgo County under HCDE JOC RFP# 101030JC-HCDE State Wide.

If you have any questions concerning this proposal or we may be of assistance in any other way please don't hesitate to call on me. We look forward to working with you.

Warmest Regards,

Fred Lozano
956-343-1101

Description of Work

Project Cost: \$4,022.89

Scope of Work: Provide all labor, equipment and material necessary to perform the additional changes to the exterior of building. Install ceramic tile, install decorative light fixtures. Install exterior EFIS Columns, and rod iron fencing. As to Half Engineers-Architects- Scientist-Planners- Surveyors plans and specifications “Hidalgo County Elections Warehouse Renovation Edinburg Texas Volume II” Menton J. Murray PE 87004 date 8-18-11 and additional sheets A1.01, A2.01, and A5.01

Staging and Protection:

- Establish with the owner’s direction an area for storage of materials and spoils.
- Provide protection to existing construction during all phases.
- Dispose of all construction spoils by dumpster or direct haul off.

Assumption:

Material and labor associated with unforeseen or unexpected conditions are not included with this scope of work and proposal. Any costs associated with unforeseen or unexpected conditions are above and beyond this scope of work and will incur additional cost above and beyond those proposed with this scope of work. Move will take place weather permitting

Exclusions:

- *Hazardous material surveys, work, and clearances are not included in this scope of work and are to be completed by others.*
- *Delay in project caused by owner, acts of god, or inclement weather*
- *Work not specified in plans*

Clarifications:

No work on change variances (orders) will be performed without written and documented authorized documentation.

General Assumptions:

- Hazardous material work or clean up is neither expected nor priced in this proposal.
- Special lead time equipment and materials. TBD
- Interface with existing structure: *Yes*

- Possible disruption to building personnel and plans to minimize: Area to be inaccessible to general public during installation time of section.
- Outages: None
- Special training/Orientation Requirements: None
- Work to be performed during non-normal hours: None
- Outage Coordination: Alpha supt. and County designates
- Schedule Issues: None
- Special Issues: None
- Special Security Requirements: Protection of general public
- Significant Milestones: None
- Hazardous Materials: None

Quality Assurance Considerations: A pre-final inspection will be held 1 day prior to final completion date. Any items identified will be corrected before request for final inspection.

I. STAFFING PLAN:

- | | |
|--|---------------------------------|
| A. Project Manager: <u>Fred Lozano</u> | C. Quality Control Coordinator: |
| B. Superintendent: <u>Xavier Lopez</u> | D. Subcontractors: |

II. PERMITS: To be provided by General Contractor and Transporter.

- | | | |
|-------------|----------|----------|
| A. Demo: | | |
| B. Burning: | Welding: | Cutting: |

SUBMITTAL REQUIREMENTS: TBD

III. CONSTRUCTIBILITY & VALUE ENGINEERING SUGGESTIONS:

None

Submitted By: Fred Lozano

Approved By: _____ Date _____



Final Estimate
 Fred Lozano
 Alpha Building Corporation
 RFP# 10/030JC - HCDE Statewide
 Renovations and Additions to the Elections Dept. Warehouse

Estimator: Fred Lozano

Additional Charges to Meet Permit Requirements

Division Summary (M/F04)

01 - General Requirements		26 - Electrical	
02 - Existing Conditions		27 - Communications	
03 - Concrete		28 - Electronic Safety and Security	
04 - Masonry		31 - Earthwork	
05 - Metals		32 - Exterior Improvements	\$1,695.00
06 - Wood, Plastics, and Composites		33 - Utilities	
07 - Thermal and Moisture Protection	\$1,407.40	34 - Transportation	
08 - Openings		35 - Waterway and Marine Transportation	
09 - Finishes	\$2,187.00	41 - Material Processing and Handling Equipment	
10 - Specialties		44 - Pollution Control Equipment	
11 - Equipment		46 - Water and Wastewater Equipment	
12 - Furnishings		48 - Electric Power Generation	
13 - Special Construction		Alternates	
14 - Conveying Equipment		Trades	
21 - Fire Suppression		Assemblies	
22 - Plumbing		M/F04 Bare Total (Without totalling components)	\$5,289.40
23 - Heating, Ventilating, and Air-Conditioning (HVAC)			
Totalling Components			
RSMears Subtotal	\$5,289.40		
RSMears MCALLEN, TX CCI 2011Q4, 79.30%	\$(1,094.91)		

Material, Labor, and Equipment Totals (No Totalling Components)

Material:	\$1,594.37
Labor:	\$2,186.73
Equipment:	\$59.56
Other:	\$1,458.74
Laborhours:	58.00
Green Line Items:	\$1,126.40

Priced/Non-Priced

Total Priced Items:	8	\$5,289.40	0.00%
Total Non-Priced Items:	0	\$0.00	
	8	\$5,289.40	

Grand Total \$4,022.89

Final Estimate

Estimator: Fred Lozano

Additional Changes to Meet Permit Requirements

Item	Description	UM	Quantity	Unit Cost	Total	Book
07 - Thermal and Moisture Protection						
1	07-24-13-10-0095 Exterior insulation and finish systems, field applied, 1" expanded polystyrene insulation	S.F.	128.0000	\$8.80	\$1,126.40	RSM11FAC Gr, M, L, E, O&P
2	07-25-10-10-9960 Weather barriers, minimum labor/equipment charge	Job	1.0000	\$281.00	\$281.00	RSM11FAC L, O&P
07 - Thermal and Moisture Protection Total					\$1,407.40	
09 - Finishes						
3	09-24-23-40-1500 Stucco, exterior stucco, with bonding agent, 3 coats, excluding mesh, columns	S.Y.	15.0000	\$29.50	\$442.50	RSM11FAC M, L, E, O&P
4	09-24-23-40-1550 Stucco, 3 coats and exterior stucco, minimum labor/equipment charge	Job	2.0000	\$500.00	\$1,000.00	RSM11FAC L, O&P
5	09-30-13-10-3270 Ceramic tile, floors, glazed, thin set, color group 1, 12" x 12" tile	S.F.	55.0000	\$8.50	\$467.50	RSM11FAC M, L, O&P
6	09-30-13-10-9500 Ceramic tile, minimum labor/equipment charge	Job	1.0000	\$277.00	\$277.00	RSM11FAC L, O&P
09 - Finishes Total					\$2,187.00	
32 - Exterior Improvements						
7	32-31-19-10-6500 Decorative fence, includes excavation, tubular picket, gates, 6' high, 4' wide	Ea.	3.0000	\$490.00	\$1,470.00	RSM11FAC M, L, O&P
Build rod iron fence at south entrance to elections building						
8	32-31-29-20-9000 Fence, wood rail, minimum labor/equipment charge	Job	1.0000	\$225.00	\$225.00	RSM11FAC L, O&P
32 - Exterior Improvements Total					\$1,695.00	
Estimate Grand Total					4,022.89	

07 24 Exterior Insulation and Finish Systems

07 24 13 – Polymer-Based Exterior Insulation and Finish System

07 24 13.10 Exterior Insulation and Finish Systems				Daily	Labor-		Material	2011 Bare Costs		Total	Total		
				Crew	Output	Hours	Unit	Labor	Equipment		Incl O&P		
0010	EXTERIOR INSULATION AND FINISH SYSTEMS												
0095	Field applied, 1" EPS insulation			G	J-1	390	.103	S.F.	2.09	3.86	.32	6.27	8.80
0100	With 1/2" cement board sheathing			G		268	.149		2.76	5.60	.46	8.82	12.45
0105	2" EPS insulation			G		390	.103		2.38	3.86	.32	6.56	9.10
0110	With 1/2" cement board sheathing			G		268	.149		3.05	5.60	.46	9.11	12.75
0115	3" EPS insulation			G		390	.103		2.67	3.86	.32	6.85	9.45
0120	With 1/2" cement board sheathing			G		268	.149		3.34	5.60	.46	9.40	13.10
0125	4" EPS insulation			G		390	.103		2.96	3.86	.32	7.14	9.75
0130	With 1/2" cement board sheathing			G		268	.149		4.31	5.60	.46	10.37	14.15
0140	Premium finish add					1265	.032		.31	1.19	.10	1.60	2.34
0150	Heavy duty reinforcement add					914	.044		1.08	1.65	.14	2.87	3.96
0160	2.5#/S.Y. metal lath substrate add				1 Lath	75	.107	S.Y.	2.37	4.11		6.48	9
0170	3.4#/S.Y. metal lath substrate add				"	75	.107	"	2.58	4.11		6.69	9.25
0180	Color or texture change,				J-1	1265	.032	S.F.	.83	1.19	.10	2.12	2.91
0190	With substrate leveling base coat				1 Plas	530	.015		.83	.59		1.42	1.85
0210	With substrate sealing base coat				1 Pord	1224	.007		.08	.25		.33	.48
0370	V groove shape in panel face							L.F.	.60			.60	.66
0380	U groove shape in panel face							"	.79			.79	.87
0433	Crack repair, acrylic rubber, fluid applied, 20 mils thick				1 Plas	350	.023	S.F.	1.43	.90		2.33	3
0437	50 mils thick, reinforced				"	200	.040	"	2.62	1.58		4.20	5.40
0440	For higher than one story, add									25%			

07 25 Weather Barriers

07 25 10 – Weather Barriers or Wraps

07 25 10.10 Weather Barriers

0010	WEATHER BARRIERS												
0400	Asphalt felt paper, 15#				1 Carp	37	.216	Sq.	5.65	9.30		14.95	21.50
0401	Per square foot				"	3700	.002	S.F.	.06	.09		.15	.21
0450	Housewrap, exterior, spun bonded polypropylene												
0470	Small roll				1 Carp	3800	.002	S.F.	.21	.09		.30	.39
0480	Large roll				"	4000	.002	"	.13	.09		.22	.28
2100	Asphalt felt roof deck vapor barrier, class 1 metal decks				1 Rofc	37	.216	Sq.	19.70	7.90		27.60	35.50
2200	For all other decks				"	37	.216		14.05	7.90		21.95	29.50
2800	Asphalt felt, 50% recycled content, 15 lb, 4 sq per roll				1 Carp	36	.222		5.65	9.55		15.20	22
2810	30 lb, 2 sq per roll				"	36	.222		9.45	9.55		19	26
3000	Building wrap, spunbonded polyethylene				2 Carp	8000	.002	S.F.	.14	.09		.23	.29
9960	Minimum labor/equipment charge				1 Carp	2	4	Job		172		172	281

07 26 Vapor Retarders

07 26 10 – Above-Grade Vapor Retarders

07 26 10.10 Vapor Retarders

0010	VAPOR RETARDERS												
0020	Aluminum and kraft laminated, foil 1 side			G	1 Carp	37	.216	Sq.	9.35	9.30		18.65	25.50
0100	Foil 2 sides			G		37	.216		9.75	9.30		19.05	26
0600	Polyethylene vapor barrier, standard, .002" thick			G		37	.216		1.19	9.30		10.49	16.50
0700	.004" thick			G		37	.216		3.34	9.30		12.64	18.85
0900	.006" thick			G		37	.216		5.25	9.30		14.55	21
1200	.010" thick			G		37	.216		6.70	9.30		16	22.50
1300	Clear reinforced, fire retardant, .008" thick			G		37	.216		10.15	9.30		19.45	26.50

09 24 Cement Plastering

09 24 23 - Cement Stucco

09 24 23.40 Stucco		Crew	Daily Output	Labor-Hours	Unit	Material	2011 Labor	Bare Costs Equipment	Total	Total Incl O&P
0010	STUCCO									
0015	3 coats 1" thick, float finish, with mesh, on wood frame	J-2	63	.762	S.Y.	5.30	29	1.97	36.27	53.50
0100	On masonry construction, no mesh incl.	J-1	67	.597		2.28	22.50	1.84	26.62	40
0300	For trowel finish, add	1 Plas	170	.047			1.85		1.85	2.94
0400	For 3/4" thick, on masonry, deduct	J-1	880	.045		.61	1.71	.14	2.46	3.54
0600	For coloring and special finish, add, minimum		685	.058		.39	2.20	.18	2.77	4.12
0700	Maximum		200	.200		1.36	7.55	.62	9.53	14.15
0900	For soffits, add	J-2	155	.310		2.11	11.70	.80	14.61	22
1000	Exterior stucco, with bonding agent, 3 coats, on walls, no mesh incl.	J-1	200	.200		3.54	7.55	.62	11.71	16.50
1200	Ceilings		180	.222		3.54	8.35	.69	12.58	17.95
1300	Beams		80	.500		3.54	18.85	1.55	23.94	35.50
1500	Columns		100	.400		3.54	15.05	1.24	19.83	29.50
1550	Minimum labor/equipment charge	1 Plas	1	8	Job		315		315	500
1600	Mesh, painted, nailed to wood, 1.8 lb.	1 Lath	60	.133	S.Y.	5	5.15		10.15	13.50
1800	3.6 lb.		55	.145		3.03	5.60		8.63	12.10
1900	Wired to steel, painted, 1.8 lb.		53	.151		5	5.80		10.80	14.55
2100	3.6 lb.		50	.160		3.03	6.15		9.18	12.95
9000	Minimum labor/equipment charge		4	2	Job		77		77	120

09 26 Veneer Plastering

09 26 13 - Gypsum Veneer Plastering

09 26 13.20 Blueboard

09 26 13.20 Blueboard		Crew	Daily Output	Labor-Hours	Unit	Material	2011 Labor	Bare Costs Equipment	Total	Total Incl O&P
0010	BLUEBOARD For use with thin coat									
0100	plaster application (see Section 09 26 13.80)									
1000	3/8" thick, on walls or ceilings, standard, no finish included	2 Carp	1900	.008	S.F.	.26	.36		.62	.88
1100	With thin coat plaster finish		875	.018		.36	.79		1.15	1.68
1400	On beams, columns, or soffits, standard, no finish included		675	.024		.30	1.02		1.32	2
1450	With thin coat plaster finish		475	.034		.40	1.45		1.85	2.80
3000	1/2" thick, on walls or ceilings, standard, no finish included		1900	.008		.29	.36		.65	.91
3100	With thin coat plaster finish		875	.018		.39	.79		1.18	1.71
3300	Fire resistant, no finish included		1900	.008		.29	.36		.65	.91
3400	With thin coat plaster finish		875	.018		.39	.79		1.18	1.71
3450	On beams, columns, or soffits, standard, no finish included		675	.024		.33	1.02		1.35	2.04
3500	With thin coat plaster finish		475	.034		.43	1.45		1.88	2.84
3700	Fire resistant, no finish included		675	.024		.33	1.02		1.35	2.04
3800	With thin coat plaster finish		475	.034		.43	1.45		1.88	2.84
5000	5/8" thick, on walls or ceilings, fire resistant, no finish included		1900	.008		.30	.36		.66	.92
5100	With thin coat plaster finish		875	.018		.40	.79		1.19	1.73
5500	On beams, columns, or soffits, no finish included		675	.024		.35	1.02		1.37	2.05
5600	With thin coat plaster finish		475	.034		.44	1.45		1.89	2.86
6000	For high ceilings, over 8' high, add		3060	.005			.23		.23	.37
6500	For over 3 stories high, add per story		6100	.003			.11		.11	.18
9000	Minimum labor/equipment charge	1 Carp	2	4	Job		172		172	281

09 26 13.80 Thin Coat Plaster

09 26 13.80 Thin Coat Plaster		Crew	Daily Output	Labor-Hours	Unit	Material	2011 Labor	Bare Costs Equipment	Total	Total Incl O&P
0010	THIN COAT PLASTER									
0012	1 coat veneer, not incl. lath	J-1	3600	.011	S.F.	.10	.42	.03	.55	.81
1000	In 50 lb. bags				Bag	12.95			12.95	14.25

09 30 Tiling

09 30 13 - Ceramic Tiling

09 30 13.10 Ceramic Tile		Crew	Daily Output	Labor-Hours	Unit	Material	2011 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
2800	Thin set	D-7	124	.129	L.F.	2.61	4.66		7.27	10.10
3000	Floors, natural clay, random or uniform, thin set, color group 1		183	.087	S.F.	3.83	3.16		6.99	9.15
3100	Color group 2		183	.087		5.15	3.16		8.31	10.55
3255	Floors, glazed, thin set, 6" x 6", color group 1		200	.080		4.43	2.89		7.32	9.40
3260	8" x 8" tile		250	.064		4.43	2.31		6.74	8.50
3270	12" x 12" tile		325	.049		5.25	1.78		7.03	8.50
3280	16" x 16" tile		550	.029		6.05	1.05		7.10	8.30
3281	18" x 18" tile		600	.027		6.05	.96		7.01	8.15
3283	24" x 24" tile		650	.025		6.05	.89		6.94	8.05
3285	Border, 6" x 12" tile		275	.058		11.55	2.10		13.65	16.05
3290	3" x 12" tile		200	.080		34	2.89		36.89	41.50
3300	Porcelain type, 1 color, color group 2, 1" x 1"		183	.087		4.39	3.16		7.55	9.75
3310	2" x 2" or 2" x 1", thin set		190	.084		4.26	3.04		7.30	9.45
3350	For random blend, 2 colors, add					.88			.88	.97
3360	4 colors, add					1.24			1.24	1.36
3370	For color group 3, add					.50			.50	.55
3380	For abrasive non-slip tile, add					.49			.49	.54
4300	Specialty tile, 4-1/4" x 4-1/4" x 1/2", decorator finish	D-7	183	.087		9.90	3.16		13.06	15.80
4500	Add for epoxy grout, 1/16" joint, 1" x 1" tile		800	.020		.62	.72		1.34	1.81
4600	2" x 2" tile		820	.020		.59	.71		1.30	1.75
4800	PregROUTED sheets, walls, 4-1/4" x 4-1/4", 6" x 4-1/4"									
4810	and 8-1/2" x 4-1/4", 4 S.F. sheets, silicone grout	D-7	240	.067	S.F.	4.73	2.41		7.14	8.95
5100	Floors, unglazed, 2 S.F. sheets,									
5110	Urethane adhesive	D-7	180	.089	S.F.	4.71	3.21		7.92	10.20
5400	Walls, interior, thin set, 4-1/4" x 4-1/4" tile		190	.084		2.14	3.04		5.18	7.10
5500	6" x 4-1/4" tile		190	.084		2.73	3.04		5.77	7.75
5700	8-1/2" x 4-1/4" tile		190	.084		3.80	3.04		6.84	8.90
5800	6" x 6" tile		200	.080		2.38	2.89		5.27	7.10
5810	8" x 8" tile		225	.071		4.08	2.57		6.65	8.50
5820	12" x 12" tile		300	.053		3.53	1.93		5.46	6.90
5830	16" x 16" tile		500	.032		4.13	1.16		5.29	6.35
6000	Decorated wall tile, 4-1/4" x 4-1/4", minimum		270	.059		2.64	2.14		4.78	6.25
6100	Maximum		180	.089		44	3.21		47.21	53
6300	Exterior walls, frostproof, mud set, 4-1/4" x 4-1/4"		102	.157		7	5.65		12.65	16.55
6400	1-3/8" x 1-3/8"		93	.172		4.65	6.20		10.85	14.80
6600	Crystalline glazed, 4-1/4" x 4-1/4", mud set, plain		100	.160		3.78	5.80		9.58	13.15
6700	4-1/4" x 4-1/4", scored tile		100	.160		4.95	5.80		10.75	14.45
6900	6" x 6" plain		93	.172		5.15	6.20		11.35	15.35
7000	For epoxy grout, 1/16" joints, 4-1/4" tile, add		800	.020		.39	.72		1.11	1.54
7200	For tile set in dry mortar, add		1735	.009			.33		.33	.51
7300	For tile set in Portland cement mortar, add		290	.055		.16	1.99		2.15	3.29
9300	Ceramic tiles, recycled glass, standard colors, 2" x 2" thru 6" x 6"	G	190	.084		17	3.04		20.04	23.50
9310	6" x 6"	G	200	.080		17	2.89		19.89	23
9320	8" x 8"	G	225	.071		18.45	2.57		21.02	24.50
9330	12" x 12"	G	300	.053		18.45	1.93		20.38	23.50
9340	Earthtones, 2" x 2" to 4" x 8"	G	190	.084		21.50	3.04		24.54	28
9350	6" x 6"	G	200	.080		21.50	2.89		24.39	28
9360	8" x 8"	G	225	.071		23	2.57		25.57	29
9370	12" x 12"	G	300	.053		23	1.93		24.93	28
9380	Deep colors, 2" x 2" to 4" x 8"	G	190	.084		31	3.04		34.04	38.50
9390	6" x 6"	G	200	.080		31	2.89		33.89	38.50
9400	8" x 8"	G	225	.071		32	2.57		34.57	39.50
9410	12" x 12"	G	300	.053		32	1.93		33.93	38.50

1/2" x 5"

09 30 Tiling

09 30 13 - Ceramic Tiling

09 30 13.10 Ceramic Tile

	Crew	Daily Output	Labor-Hours	Unit	Material	2011 Labor	Bare Costs Equipment	Total	Total Incl O&P
9500 Minimum labor/equipment charge	D-7	3.25	4.923	Job		178		178	277

09 30 13.45 Ceramic Tile Accessories

0010 CERAMIC TILE ACCESSORIES

0100 Spacers, 1/8"				Ea.	1.44			1.44	1.58
1310 Sealer, installed	1 Tlf	650	.012	S.F.	.38	.50		.88	1.20

09 30 16 - Quarry Tiling

09 30 16.10 Quarry Tile

0010 QUARRY TILE

0100 Base, cove or sanitary, mud set, to 5" high, 1/2" thick	D-7	110	.145	L.F.	5.30	5.25		10.55	14
0300 Bullnose trim, red, mud set, 6" x 6" x 1/2" thick		120	.133		4.34	4.82		9.16	12.30
0400 4" x 4" x 1/2" thick		110	.145		4.82	5.25		10.07	13.50
0600 4" x 8" x 1/2" thick, using 8" as edge		130	.123		4.26	4.45		8.71	11.65
0700 Floors, mud set, 1,000 S.F. lots, red, 4" x 4" x 1/2" thick		120	.133	S.F.	6.10	4.82		10.92	14.20
0900 6" x 6" x 1/2" thick		140	.114		5.50	4.13		9.63	12.50
1000 4" x 8" x 1/2" thick		130	.123		6.10	4.45		10.55	13.65
1300 For waxed coating, add					.71			.71	.78
1500 For non-standard colors, add					.42			.42	.46
1600 For abrasive surface, add					.49			.49	.54
1800 Brown tile, imported, 6" x 6" x 3/4"	D-7	120	.133		7.30	4.82		12.12	15.50
1900 8" x 8" x 1"		110	.145		7.95	5.25		13.20	16.95
2100 For thin set mortar application, deduct		700	.023			.83		.83	1.29
2200 For epoxy grout & mortar, 6" x 6" x 1/2", add		350	.046		1.94	1.65		3.59	4.70
2700 Stair tread, 6" x 6" x 3/4", plain		50	.320		5.15	11.55		16.70	23.50
2800 Abrasive		47	.340		5.60	12.30		17.90	25.50
3000 Wainscot, 6" x 6" x 1/2", thin set, red		105	.152		4.31	5.50		9.81	13.35
3100 Non-standard colors		105	.152		4.78	5.50		10.28	13.85
3300 Window sill, 6" wide, 3/4" thick		90	.178	L.F.	5.20	6.45		11.65	15.75
3400 Corners		80	.200	Ea.	6	7.25		13.25	17.85
9000 Minimum labor/equipment charge		3.25	4.923	Job		178		178	277

09 30 23 - Glass Mosaic Tiling

09 30 23.10 Glass Mosaics

0010 GLASS MOSAICS 3/4" tile on 12" sheets, standard grout

0300 Color group 1 & 2	D-7	73	.219	S.F.	19	7.90		26.90	33.50
0350 Color group 3		73	.219		19.30	7.90		27.20	34
0400 Color group 4		73	.219		25	7.90		32.90	40
0450 Color group 5		73	.219		28.50	7.90		36.40	44
0500 Color group 6		73	.219		40.50	7.90		48.40	57
0600 Color group 7		73	.219		43.50	7.90		51.40	60.50
0700 Color group 8, golds, silvers & specialties		64	.250		62	9.05		71.05	82.50

09 30 29 - Metal Tiling

09 30 29.10 Metal Tile

0010 METAL TILE 4' x 4' sheet, 24 ga., tile pattern, nailed

0200 Stainless steel	2 Carp	512	.031	S.F.	25.50	1.35		26.85	30
0400 Aluminized steel	"	512	.031	"	13.80	1.35		15.15	17.40
9000 Minimum labor/equipment charge	1 Carp	4	2	Job		86		86	141

Item # 6

32 31 Fences and Gates

32 31 13 - Chain Link Fences and Gates

32 31 13.33 Chain Link Backstops

	Crew	Daily Output	Labor-Hours	Unit	Material	2011 Bare Costs		Total	Total Incl O&P
						Labor	Equipment		
0600 Tennis, wire mesh with pair of ends	B-1	2.48	9.677	Set	2,250	340		2,590	3,025
0700 Enclosed court	"	1.30	18.462	Ea.	9,700	645		10,345	11,800

32 31 13.40 Fence, Fabric and Accessories

FENCE, FABRIC & ACCESSORIES										
1000	Fabric, 9 ga., galv., 1.2 oz. coat, 2" chain link, 4'	B-80A	304	.079	L.F.	3.03	2.71	.71	6.45	8.55
1150	5'		285	.084		3.77	2.89	.76	7.42	9.70
1200	6'		266	.090		7.15	3.10	.82	11.07	13.85
1250	7'		247	.097		8.55	3.34	.88	12.77	15.80
1300	8'		228	.105		11	3.62	.95	15.57	19.05
1400	9 ga., fused, 4'		304	.079		3.36	2.71	.71	6.78	8.90
1450	5'		285	.084		3.92	2.89	.76	7.57	9.90
1500	6'		266	.090		4.22	3.10	.82	8.14	10.60
1550	7'		247	.097		5.30	3.34	.88	9.52	12.20
1600	8'		228	.105		8.75	3.62	.95	13.32	16.55
1650	Barbed wire, galv., cost per strand		2280	.011		.13	.36	.10	.59	.83
1700	Vinyl coated		2280	.011		.22	.36	.10	.68	.93
1750	Extension arms, 3 strands		143	.168	Ea.	6.15	5.75	1.52	13.42	17.85
1800	6 strands, 2-3/8"		119	.202		12.40	6.95	1.82	21.17	27
1850	Eye tops, 2-3/8"		143	.168		1.78	5.75	1.52	9.05	13.05
1900	Top rail, incl. tie wires, 1-5/8", galv.		912	.026	L.F.	9.45	.90	.24	10.59	12.15
1950	Vinyl coated		912	.026		13.05	.90	.24	14.19	16.10
2100	Rail, middle/bottom, w/tie wire, 1-5/8", galv.		912	.026		9.45	.90	.24	10.59	12.15
2150	Vinyl coated		912	.026		13.05	.90	.24	14.19	16.10
2200	Reinforcing wire, coiled spring, 7 ga. galv.		2279	.011		.31	.36	.10	.77	1.03
2250	9 ga., vinyl coated		2282	.011		.45	.36	.10	.91	1.19

32 31 13.53 High-Security Chain Link Fences, Gates and Systems

HIGH-SECURITY CHAIN LINK FENCES, GATES AND SYSTEMS										
0100	Fence, chain link, security, 7' H, standard FE-7, incl excavation & posts	B-80C	480	.050	L.F.	40	1.70	.37	42.07	47
0200	Fence, barbed wire, security, 7' high, with 3 wire barbed wire arm	"	400	.060	"	7.90	2.04	.45	10.39	12.50
0300	Complete systems, including material and installation									
0310	Taunt wire fence detection system				M.L.F.				22,800	24,800
0410	Microwave fence detection system								37,500	40,900
0510	Passive magnetic fence detection system								17,700	19,300
0610	Infrared fence detection system								11,800	12,900
0710	Strain relief fence detection system								22,800	24,800
0810	Electro-shock fence detection system								32,600	35,500
0910	Photo-electric fence detection system								14,800	16,100

32 31 19 - Decorative Metal Fences and Gates

32 31 19.10 Decorative Fence

DECORATIVE FENCE										
5300	Tubular picket, steel, 6' sections, 1-9/16" posts, 4' high	B-80C	300	.080	L.F.	27.50	2.72	.60	30.82	35
5400	2" posts, 5' high		240	.100		41	3.40	.74	45.14	52
5600	2" posts, 6' high		200	.120		47.50	4.08	.89	52.47	60
5700	Staggered picket 1-9/16" posts, 4' high		300	.080		27.50	2.72	.60	30.82	35
5800	2" posts, 5' high		240	.100		41	3.40	.74	45.14	52
5900	2" posts, 6' high		200	.120		47.50	4.08	.89	52.47	60
6200	Gates, 4' high, 3' wide	B-1	10	2.400	Ea.	235	84		319	395
6300	5' high, 3' wide		10	2.400		248	84		332	410
6400	6' high, 3' wide		10	2.400		298	84		382	465
6500	4' wide		10	2.400		325	84		409	490

32 31 Fences and Gates

32 31 29 – Wood Fences and Gates

32 31 29.20 Fence, Wood Rail	Crew	Daily Output	Labor-Hours	Unit	Material	2011 Bare Costs		Total	Total Incl O&P
						Labor	Equipment		
0050 Gate, 3'-6" wide	B-80C	9	2.667	Ea.	52	91	19.85	162.85	227
0400 3 rail, 4' high	↓	150	.160	L.F.	7	5.45	1.19	13.64	17.85
0500 Gate, 3'-6" wide	↓	9	2.667	Ea.	63	91	19.85	173.85	240
5000 Fence rail, redwood, 2" x 4", merch grade 8'	B-1	2400	.010	L.F.	1.80	.35		2.15	2.55
5050 Select grade, 8'	↓	2400	.010	"	4	.35		4.35	4.97
6000 Fence post, select redwood, earthpacked & treated, 4" x 4" x 6'	↓	96	.250	Ea.	11.30	8.75		20.05	27
6010 4" x 4" x 8'	↓	96	.250		13.40	8.75		22.15	29
6020 Set in concrete, 4" x 4" x 6'	↓	50	.480		14.50	16.80		31.30	43.50
6030 4" x 4" x 8'	↓	50	.480		17.30	16.80		34.10	46.50
6040 Wood post, 4' high, set in concrete, incl. concrete	↓	50	.480		8.10	16.80		24.90	36.50
6050 Earth packed	↓	96	.250		5.55	8.75		14.30	20.50
6060 6' high, set in concrete, incl. concrete	↓	50	.480		10.35	16.80		27.15	39
6070 Earth packed	↓	96	.250	↓	7.55	8.75		16.30	22.50
9000 Minimum labor/equipment charge	1 Club	2	4	Job		137		137	225

32 32 Retaining Walls

32 32 13 – Cast-in-Place Concrete Retaining Walls

32 32 13.10 Retaining Walls, Cast Concrete

0010 RETAINING WALLS, CAST CONCRETE									
1800 Concrete gravity wall with vertical face including excavation & backfill									
1850 No reinforcing									
1900 6' high, level embankment	C-17C	36	2.306	L.F.	70.50	103	17.65	191.15	264
2000 33° slope embankment	↓	32	2.594	↓	66	116	19.85	201.85	283
2200 8' high, no surcharge	↓	27	3.074	↓	90	138	23.50	251.50	345
2300 33° slope embankment	↓	24	3.458	↓	109	155	26.50	290.50	400
2500 10' high, level embankment	↓	19	4.368	↓	129	196	33.50	358.50	495
2600 33° slope embankment	↓	18	4.611	↓	178	207	35.50	420.50	570
2800 Reinforced concrete cantilever, incl. excavation, backfill & reinf.									
2900 6' high, 33° slope embankment	C-17C	35	2.371	L.F.	66	106	18.15	190.15	264
3000 8' high, 33° slope embankment	↓	29	2.862	↓	76	128	22	226	315
3100 10' high, 33° slope embankment	↓	20	4.150	↓	99	186	32	317	445
3200 20' high, 500 lb. per L.F. surcharge	↓	7.50	11.067	↓	297	495	84.50	876.50	1,225
3500 Concrete cribbing, incl. excavation and backfill									
3700 12' high, open face	B-13	210	.267	S.F.	33	9.95	3.57	46.52	56.50
3900 Closed face	"	210	.267	"	31	9.95	3.57	44.52	54
4100 Concrete filled slurry trench, see Section 31 56 23.20									

32 32 23 – Segmental Retaining Walls

32 32 23.13 Segmental Conc. Unit Masonry Retaining Walls

0010 SEGMENTAL CONC. UNIT MASONRY RETAINING WALLS									
7100 Segmental Retaining Wall system, incl pins, and void fill									
7120 base not included									
7140 Large unit, 8" high x 18" wide x 20" deep, 3 plane split	B-62	300	.080	S.F.	10.20	2.99	.51	13.70	16.55
7150 Straight split	↓	300	.080	↓	10.10	2.99	.51	13.60	16.45
7160 Medium, lwt, 8" high x 18" wide x 12" deep, 3 plane split	↓	400	.060	↓	8	2.25	.38	10.63	12.85
7170 Straight split	↓	400	.060	↓	7.90	2.25	.38	10.53	12.75
7180 Small unit, 4" x 18" x 10" deep, 3 plane split	↓	400	.060	↓	12	2.25	.38	14.63	17.25
7190 Straight split	↓	400	.060	↓	12.20	2.25	.38	14.83	17.45
7200 Cap unit, 3 plane split	↓	300	.080	↓	11.80	2.99	.51	15.30	18.35
7210 Cap unit, straight split	↓	300	.080	↓	11.80	2.99	.51	15.30	18.35
7260 For reinforcing, add				↓				4.28	4.71