ALPHA
BUILDING CORPORATION
*First Choice For Facilities Renovation & Construction*

# COSA JOC
# Cost Proposal

**Date:** 12-21-07

**Owner:** City of San Antonio

**Project Manager: Bill Pennell**

**ALPHA No.: 113-061**

**Description:** BONNIE CONNER PARK, PHASE II
7038 HAUSMAN Rd.

## BASE BID

**Inclusions:**

1. Layout roadway, parking lot, and play ground area as per plans.
2. Excavate, place select fill and compact as per plans.
3. Install machine formed curbing as per plans.
4. Form and place concrete sidewalks and area around play ground.
5. Place and stripe roadway and parking lot.
6. Install owner furnished drinking fountain.
7. Install water line to drinking fountain and drain line to dry well as per plans.
8. Install owner furnished Pavilion as per plans and manufacturer recommendations.
9. Install owner furnished Play Ground Equipment as per plans and manufacturer recommendations.
10. Install (2 ea.) 4" conduits at each end of parking lot as per plans.
11. Install 28" x 20 " Architectural Pipe drain at entrance of park.

**Performance Time:**

**Approximately 90** days from NTP

436 Breesport St., San Antonio, Texas 78216
V 210-767-0955 F 210-767-0956 www.alphabuilding.com

## ALTERNATE BID #1

**Inclusions:**

1. Install 6ea. Picnic Tables as per plans.

## ALTERNATE BID #2

1. Install 6ea. Park Benches as per plans.

**Exclusions:**

1. No handling of Hazardous Materials of any kind.
2. No non-standard or over time work.
3. No architectural, electrical, mechanical or plumbing other than that shown on drawings.

**Total Base bid (breakout attached).....$ 302,626.32**

**Total Alternate Bid #1 (breakout attached).....$ 4,822.43**

**Total Alternate Bid #2 (breakout attached).....$ 4,344.57**

**Total Project cost..... $ 311,793.32**

Sincerely,

Alpha Building Corporation

Robert S. Crow
Project Manager

**Attachments:** JOCWorks Estimate Detail

ALPHA BUILDING CORPORATION
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# Estimate Details

**Labor - Material - Equipment**
**Gary Haverly**
**Alpha Building Corporation**
**City of San Atnonio - COSA - Job Order Contract**

**Estimator: Gary Haverly** | **BONNIE CONNER PARK PHASE II**

## Division Summary (MF04)

| | | | |
|---|---|---|---|
| 01 - General Requirements | $96,962.77 | 23 - Heating, Ventilating, and Air-Conditioning (HVAC) | |
| 02 - Existing Conditions | | 26 - Electrical | |
| 03 - Concrete | $70,418.09 | 27 - Communications | |
| 04 - Masonry | | 28 - Electronic Safety and Security | |
| 05 - Metals | $800.40 | 31 - Earthwork | $725.40 |
| 06 - Wood, Plastics, and Composites | | 32 - Exterior Improvements | $157,708.42 |
| 07 - Thermal and Moisture Protection | | 33 - Utilities | $3,249.00 |
| 08 - Openings | | 34 - Transportation | |
| 09 - Finishes | | 35 - Waterway and Marine Transportation | |
| 10 - Specialties | $377.00 | 41 - Material Processing and Handling Equipment | |
| 11 - Equipment | | 44 - Pollution Control Equipment | |
| 12 - Furnishings | | 48 - Electric Power Generation | |
| 13 - Special Construction | | Alternates | $78,782.88 |
| 14 - Conveying Equipment | | Trades | |
| 21 - Fire Suppression | | Assemblies | |
| 22 - Plumbing | $9,526.00 | **MF04 Bare Total (Without totalling components)** | **$418,549.96** |

## Totalling Components

| | | | |
|---|---|---|---|
| 07 - COSA JOC Standard (-20.4000%) | $(69,673.77) | 07 - Non-Priced Line Items Multiplier (10.0000%) | $7,701.19 |
| 07 - Priced Line Items | $341,538.08 | Q2 - 07 RS Means CCI San Antonio, TX_1 (-15.7965%) | $(53,951.06) |
| 07 - Non-Priced Line Items | $77,011.88 | | |

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

| | Bare Cost |
|---|---|
| Material: | $190,948.08 |
| Labor: | $93,668.88 |
| Equipment: | $71,589.85 |
| Other: | $62,343.15 |
| Laborhours: | 1,199.28 |

**Grand Total** **$302,626.32**

Estimator: Gary Haverty BONNIE CONNER PARK PHASE II

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **01 - General Requirements** | | | | | | | | | | |
| 1 | 01-31-13-90-0020 | Performance bond, for buildings, minimum | Job | | 309,586.39 | 0.00 | 0.00 | 0.00 | 0.6000% | $1,857.52 |
| 2 | 01-31-13-90-0100 | Performance bond, for buildings, minimum | Job | | 309,586.39 | 0.00 | 0.00 | 0.00 | 2.5000% | $7,739.66 |
| 3 | 01-41-26-50-0100 | Permits, rule of thumb, most cities, maximum | Job | | 305,685.62 | 0.00 | 0.00 | 0.00 | 2.0000% | $6,113.71 |
| 4 | 01-45-23-50-0200 | Testing and inspecting services, asphalt testing, compressive strength Marshall stability, set of 3 | Ea. | | 3.00 | 0.00 | 0.00 | 0.00 | $165.00 | $495.00 |
| 5 | 01-45-23-50-1800 | Testing and inspecting services, concrete testing, compressive test, cylinder, ASTM C 39, delivered to lab | Ea. | | 6.00 | 0.00 | 0.00 | 0.00 | $13.00 | $78.00 |
| 6 | 01-45-23-50-1950 | Testing and inspecting services, concrete testing, compressive test, cylinder, ASTM C 39, picked up by lab, average | Ea. | | 6.00 | 0.00 | 0.00 | 0.00 | $20.00 | $120.00 |
| 7 | 01-45-23-50-4740 | Testing and inspecting services, soil testing, soil density, sand cone method ASTM D1556 | Ea. | | 3.00 | 0.00 | 0.00 | 0.00 | $30.17 | $90.51 |
| 8 | 01-45-23-50-5550 | Testing and inspecting services, technician for inspection, per day, earthwork | Ea. | | 2.00 | 0.00 | 0.00 | 0.00 | $231.00 | $462.00 |
| 9 | 01-54-33-20-0095-2 | Day:Earthwork equipment rental, without operators, auger, for fence posts, gas engine, hand held | Ea. | | 1.00 | 0.00 | 0.00 | 4.67 | $4.67 | $4.67 |
| 10 | 01-54-33-20-0600-2 | Day:Earthwork equipment rental, without operators, brush chipper, gas engine, 15" cutter head, 165 H.P. | Ea. | | 5.00 | 0.00 | 0.00 | 165.00 | $165.00 | $825.00 |
| 11 | 01-54-33-20-1910-4 | Month:Earthwork equipment rental, without operators, grader, self-propelled, 30,000 lb. | Ea. | | 1.00 | 0.00 | 0.00 | 4,575.00 | $4,575.00 | $4,575.00 |
| 12 | 01-54-33-20-2800-2 | Day:Earthwork equipment rental, without operators, log chipper, up to 22" diameter, 600 H.P. | Ea. | | 5.00 | 0.00 | 0.00 | 430.00 | $430.00 | $2,150.00 |
| 13 | 01-54-33-20-2900-2 | Day:Earthwork equipment rental, without operators, rake, spring tooth, with tractor | Ea. | | 5.00 | 0.00 | 0.00 | 219.00 | $219.00 | $1,095.00 |
| 14 | 01-54-33-20-3170-2 | Day:Earthwork equipment rental, without operators, landfill compactor, 220 HP | Ea. | | 5.00 | 0.00 | 0.00 | 1,225.00 | $1,225.00 | $6,125.00 |
| 15 | 01-54-33-20-3300-2 | Day:Earthwork equipment rental, without | Ea. | | 5.00 | 0.00 | 0.00 | 925.00 | $925.00 | $4,625.00 |

01 - General Requirements

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | | operators, sheepsfoot vibratory roller, 200 H.P. | | | | | | | | |
| 16 | 01-54-33-20-3600-2 | Day:Earthwork equipment rental, without operators, scrapers, self-propelled, 4 x 4 drive, 2 engine, 24 C.Y. capacity | Ea. | | 5.00 | 0.00 | 0.00 | 2,425.00 | $2,425.00 | $12,125.00 |
| 17 | 01-54-33-20-4310-2 | Day:Earthwork equipment rental, without operators, tractor, crawler, with bulldozer, torque converter, diesel 300 H.P. | Ea. | | 5.00 | 0.00 | 0.00 | 1,375.00 | $1,375.00 | $6,875.00 |
| 18 | 01-54-33-20-4730-2 | Day:Earthwork equipment rental, without operators, tractor loader, wheel, torque convertor, 4 x 4, 3 to 4-1/2 C.Y., 170 H.P. | Ea. | | 5.00 | 0.00 | 0.00 | 490.00 | $490.00 | $2,450.00 |
| 19 | 01-54-33-20-5200-2 | Day:Earthwork equipment rental, without operators, trencher, chain type, diesel, 8' deep, 16" wide | Ea. | | 2.00 | 0.00 | 0.00 | 1,825.00 | $1,825.00 | $3,650.00 |
| 20 | 01-54-33-20-5300-2 | Day:Earthwork equipment rental, without operators, truck, dump, three axle dump, 16 ton, 12 C.Y. payload | Ea. | | 5.00 | 0.00 | 0.00 | 435.00 | $435.00 | $2,175.00 |
| 21 | 01-54-36-50-0100 | Mobilization or demobilization, up to 25 mile haul distance, 50 miles round trip for mobilization/demobilization crew, dozer, loader, backhoe, excavator, grader, paver, roller, above 150 H.P.<br>dozer, loader, backhoe, grader, paver, roller, Curb Equio | Ea. | B-34K | 14.00 | 0.00 | 79.00 | 192.00 | $340.00 | $4,760.00 |
| 22 | 01-54-36-50-0100-2500 | Mobilization or demobilization, for each additional 5 miles haul distance, add | Ea. | B-34K | 14.00 | 0.00 | 7.90 | 19.20 | $27.10 | $379.40 |
| 23 | 01-54-36-50-0600 | Mobilization or demobilization, up to 25 mile haul distance, 50 miles round trip for mobilization/demobilization crew, scraper, self-propelled scraper, 15 C.Y.<br>Scraper | Ea. | B-34K | 2.00 | 0.00 | 94.50 | 231.00 | $410.00 | $820.00 |
| 24 | 01-54-36-50-0600-2500 | Mobilization or demobilization, for each additional 5 miles haul distance, add | Ea. | B-34K | 2.00 | 0.00 | 9.45 | 23.10 | $32.55 | $65.10 |
| 25 | 01-54-36-50-1150 | Mobilization or demobilization, up to 25 mile haul distance, 50 miles round trip for mobilization/demobilization crew, small equipment, equipment up to 70 HP, on flatbed trailer behind pickup truck<br>Fencing, sheeps foot | Ea. | A-03D | 4.00 | 0.00 | 57.00 | 46.00 | $145.00 | $580.00 |

01 - General Requirements

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 01-54-36-50-1150-2500 | Mobilization or demobilization, for each additional 5 miles haul distance, add | Ea. | A-03D | 4.00 | 0.00 | 5.70 | 4.60 | $10.30 | $41.20 |
| 27 | 01-56-26-50-0100 | Temporary fencing, chain link, 11 gauge, 6' high | L.F. | 2 CLAB | 2,300.00 | 6.50 | 1.53 | 0.00 | $9.70 | $22,310.00 |
| 28 | 01-71-23-13-1400 | Construction layout, crew for roadway layout, 4 person crew | Day | A-08 | 2.00 | 0.00 | 1,250.00 | 58.00 | $2,100.00 | $4,200.00 |
| 29 | 01-71-23-19-0150 | Surveyor stakes, hardwood, 2" x 2" x 24" long | C | | 2.00 | 80.00 | 0.00 | 0.00 | $88.00 | $176.00 |
| | | **01 - General Requirements Total** | | | | | | | **$96,962.77** | |

## 03 - Concrete

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 03-11-13-35-7500 | Forms in place, elevated slabs, includes shoring, erecting, bracing, stripping and cleaning, depressed area forms, to 12" high, 4 use | L.F. | C-01 | 80.00 | 0.74 | 3.70 | 0.00 | $6.95 | $556.00 |
| 31 | 03-11-13-65-2000 | Forms in place, slab on grade, includes erecting, bracing, stripping and cleaning, curb forms, wood, 6" to 12" high, on grade, 1 use | SFCA | C-01 | 926.00 | 1.95 | 5.15 | 0.00 | $10.70 | $9,908.20 |
| 32 | 03-21-05-10-1206 | Rebar accessories, for reinforcing steel, high chairs, individual, no plates (1 HC), to 3" high, plastic | C | | 9.60 | 108.00 | 0.00 | 0.00 | $119.00 | $1,142.40 |
| 33 | 03-21-10-60-0602 | Reinforcing in place, A615 Grade 60, including accessories labor, excluding material for accessories, slab on grade, #3 to #7 | Lb. | 4 RODM | 11,505.00 | 0.45 | 0.31 | 0.00 | $1.03 | $11,850.15 |
| 34 | 03-21-10-60-0602-2000 | Reinforcing in place A615, for unloading & sorting, add to above | Ton | 4 RODM | 5.75 | 0.00 | 22.50 | 7.40 | $46.00 | $264.50 |
| 35 | 03-21-10-60-0602-2210 | Reinforcing in place A615, for crane cost for handling, add to above, average | Ton | 4 RODM | 5.75 | 0.00 | 24.50 | 8.05 | $50.00 | $287.50 |
| 36 | 03-21-10-60-2420 | Reinforcing in place, A615 Grade 60, dowels, 2 feet long, deformed, #5<br>To hold bumpers in place | Ea. | 2 RODM | 80.00 | 1.03 | 1.52 | 0.00 | $3.73 | $298.40 |
| 37 | 03-31-05-35-0150 | Normal weight concrete, ready mix, includes local aggregate, sand, portland cement, and water, excludes all additives and treatments, 3000 psi | C.Y. | | 247.00 | 104.00 | 0.00 | 0.00 | $114.00 | $28,158.00 |
| 38 | 03-31-05-35-0150 | Normal weight concrete, ready mix, includes local aggregate, sand, portland cement, and water, | C.Y. | | 23.00 | 104.00 | 0.00 | 0.00 | $114.00 | $2,622.00 |

03 - Concrete

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | | excludes all additives and treatments, 3000 psi<br>For mounting Play-ground equipment | | | | | | | | |
| 39 | 03-31-05-70-4350 | Placing concrete, includes labor and equipment to place and vibrate, slab on grade, 4" thick, pumped | C.Y. | C-20 | 247.00 | 0.00 | 15.30 | 5.80 | $31.50 | $7,780.50 |
| 40 | 03-31-05-70-4350 | Placing concrete, includes labor and equipment to place and vibrate, slab on grade, 4" thick, pumped<br>For Play-ground Equipment | C.Y. | C-20 | 23.00 | 0.00 | 15.30 | 5.80 | $31.50 | $724.50 |
| 41 | 03-35-29-30-0150 | Finishing floors, monolithic, screed, float, and broom finish | S.F. | 1 CEFI | 9,614.00 | 0.00 | 0.45 | 0.00 | $0.71 | $6,825.94 |
| | | **03 - Concrete Total** | | | | | | | **$70,418.09** | |
| **05 - Metals** | | | | | | | | | | |
| 42 | 05-05-23-05-0300 | Anchor bolts, L-type, including hex nut and washer, 3/4" diameter x 12" long | Ea. | 2 CARP | 24.00 | 1.51 | 13.05 | 0.00 | $23.00 | $552.00 |
| 43 | 05-12-23-77-4400 | Structural steel projects, A992 steel, shop fabricated for 100-ton, 1-2 story project, including bolted connections and shop primer, column base plates, heavy, over 150 lb | Lb. | E-02 | 120.00 | 1.18 | 0.30 | 0.21 | $2.07 | $248.40 |
| | | **05 - Metals Total** | | | | | | | **$800.40** | |
| **10 - Specialties** | | | | | | | | | | |
| 44 | 10-14-53-20-0100 | Traffic signs, stock, excluding posts, .080" aluminum, 24" x 24", high intensity<br>STOP SIGN | Ea. | B-80 | 1.00 | 59.50 | 14.30 | 8.00 | $98.00 | $98.00 |
| 45 | 10-14-53-20-0100-1500 | Traffic signs, add to above for steel posts, galvanized, 10'-0" upright, bolted | Ea. | B-80 | 3.00 | 19.30 | 5.00 | 2.80 | $32.00 | $96.00 |
| 46 | 10-14-53-20-1300 | Traffic signs, guide and directional signs, 24" x 24", stock signs, high intensity<br>HANDICAP PARKING SIGNS | Ea. | B-80 | 2.00 | 53.50 | 14.30 | 8.00 | $91.50 | $183.00 |
| | | **10 - Specialties Total** | | | | | | | **$377.00** | |
| **22 - Plumbing** | | | | | | | | | | |
| 47 | 22-05-23-20-1470 | Valves, bronze, ball, 150 psi, threaded, 1" | Ea. | 1 PLUM | 1.00 | 19.85 | 18.85 | 0.00 | $51.50 | $51.50 |
| 48 | 22-05-76-10-0120 | Cleanouts, floor type, round or square, scoriated | Ea. | 1 PLUM | 1.00 | 168.00 | 45.00 | 0.00 | $255.00 | $255.00 |

22 - Plumbing

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | | nickel bronze top, 3" pipe size | | | | | | | | |
| 49 | 22-05-76-20-5110 | Cleanout tees, plastic, tees and adapters, PVC, DWV, cleanout plug, 3" pipe size | Ea. | Q-01 | 1.00 | 3.03 | 17.90 | 0.00 | $31.50 | $31.50 |
| 50 | 22-05-76-20-5190 | Cleanout tees, plastic, tees and adapters, PVC, DWV, cleanout adapter fitting, 3" pipe size | Ea. | Q-01 | 1.00 | 7.40 | 17.90 | 0.00 | $36.00 | $36.00 |
| 51 | 22-11-13-74-1880 | Pipe, plastic, including couplings 10' O.C., and hangers 3 per 10', PVC, schedule 40, 1" diameter | L.F. | 1 PLUM | 80.00 | 1.47 | 7.80 | 0.00 | $13.70 | $1,096.00 |
| 52 | 22-11-13-74-1910 | Pipe, plastic, including couplings 10' O.C., and hangers 3 per 10', PVC, schedule 40, 2" diameter | L.F. | Q-01 | 6.00 | 2.75 | 10.95 | 0.00 | $20.00 | $120.00 |
| 53 | 22-11-13-74-1930 | Pipe, plastic, including couplings 10' O.C., and hangers 3 per 10', PVC, schedule 40, 3" diameter | L.F. | Q-01 | 80.00 | 5.15 | 12.20 | 0.00 | $24.50 | $1,960.00 |
| 54 | 22-11-13-74-1940 | Pipe, plastic, including couplings 10' O.C., and hangers 3 per 10', PVC, schedule 40, 4" diameter | L.F. | Q-01 | 180.00 | 6.85 | 13.45 | 0.00 | $28.50 | $5,130.00 |
| 55 | 22-11-13-76-2780 | Pipe, plastic, fittings, PVC, white, schedule 40, socket joints, 90° elbow, 1" | Ea. | 1 PLUM | 1.00 | 0.66 | 14.35 | 0.00 | $23.00 | $23.00 |
| 56 | 22-11-13-76-3250 | Pipe, plastic, fittings, PVC, white, schedule 40, socket joints, tee, 3" | Ea. | Q-01 | 1.00 | 10.50 | 42.50 | 0.00 | $77.50 | $77.50 |
| 57 | 22-11-13-76-5114 | Pipe, plastic, fittings, DWV, PVC, schedule 40, socket joints, 1/4 bend, long sweep, 3" | Ea. | Q-01 | 2.00 | 10.40 | 31.00 | 0.00 | $59.50 | $119.00 |
| 58 | 22-11-13-76-5412 | Pipe, plastic, fittings, DWV, PVC, schedule 40, socket joints, reducer bushing, 3" x 1-1/2" | Ea. | Q-01 | 2.00 | 7.10 | 23.50 | 0.00 | $44.50 | $89.00 |
| 59 | 22-11-13-76-8150 | Pipe, plastic, fittings, polybutyl or polyethyl pipe, compression type, PVC, including insert stiffeners, 160 psi cold water, male adapter, 1" MPT x 1" CTS | Ea. | 1 PLUM | 3.00 | 3.93 | 17.90 | 0.00 | $32.50 | $97.50 |
| 60 | 22-47-13-10-9860-9980 | Drinking fountains, for rough-in, supply and waste, add | Ea. | 1 PLUM | 1.00 | 121.00 | 196.00 | 0.00 | $440.00 | $440.00 |
| | | **22 - Plumbing Total** | | | | | | | **$9,526.00** | |

## 31 - Earthwork

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 31-25-13-10-1100 | Synthetic erosion control, silt fence, polypropylene, 3' high, adverse conditions | L.F. | 2 CLAB | 620.00 | 0.34 | 0.48 | 0.00 | $1.17 | $725.40 |

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **31 - Earthwork Total** | | | | | | | $725.40 | |
| **32 - Exterior Improvements** | | | | | | | | | | |
| 62 | 32-11-23-23-1513 | Base course drainage layers, for roadways and large paved areas, alternate method to figure base course, crushed 3/4" stone base, compacted, 12" deep | E.C.Y. | B-36B | 1,770.00 | 32.00 | 1.55 | 2.35 | $40.00 | $70,800.00 |
| 63 | 32-11-23-23-1513-6900 | Base course drainage layers, for small and irregular areas, add | E.C.Y. | B-36B | 1,770.00 | 0.00 | 0.78 | 1.18 | $1.95 | $3,451.50 |
| 64 | 32-12-16-13-0340 | Plant-mix asphalt paving, for highways and large paved areas, excluding hauling costs, wearing course, 1-1/2" thick | S.Y. | B-25B | 2,580.00 | 3.94 | 0.40 | 0.32 | $5.35 | $13,803.00 |
| 65 | 32-12-16-14-0020 | Asphaltic concrete pavement, lots and driveways, 6" stone base, 2" binder course, 1" topping | S.F. | B-25C | 23,216.00 | 1.73 | 0.17 | 0.22 | $2.42 | $56,182.72 |
| 66 | 32-16-13-13-0415 | Cast in place concrete curbs and gutters, concrete, machine formed, 6" x 18", straight | L.F. | B-69A | 447.00 | 3.80 | 0.76 | 0.34 | $5.80 | $2,592.60 |
| 67 | 32-16-13-13-0416 | Cast in place concrete curbs and gutters, concrete, machine formed, 6" x 18", radius | L.F. | B-69A | 953.00 | 3.96 | 1.70 | 0.76 | $7.95 | $7,576.35 |
| 68 | 32-17-13-19-1000 | Precast concrete parking bumpers, wheel stops, including 2 dowels per each, precast concrete, 6" x 10" x 6'-0" | Ea. | B-02 | 40.00 | 46.50 | 9.70 | 0.00 | $67.00 | $2,680.00 |
| 69 | 32-17-23-13-0020 | Painted pavement markings, acrylic waterborne, white or yellow, 4" wide | L.F. | B-78 | 1,207.00 | 0.19 | 0.07 | 0.02 | $0.35 | $422.45 |
| 70 | 32-17-23-13-0600 | Painted pavement markings, acrylic waterborne, white or yellow, 12" wide | L.F. | B-78 | 12.50 | 0.46 | 0.35 | 0.10 | $1.19 | $14.88 |
| 71 | 32-17-23-14-0790 | Pavement markings, layout of pavement marking | L.F. | A-02 | 1,232.00 | 0.00 | 0.03 | 0.01 | $0.06 | $73.92 |
| 72 | 32-17-23-14-1200 | Pavement markings, handicap symbol | Ea. | 2 PORD | 2.00 | 31.50 | 13.10 | 0.00 | $55.50 | $111.00 |
| | | **32 - Exterior Improvements Total** | | | | | | | $157,708.42 | |
| **33 - Utilities** | | | | | | | | | | |
| 73 | 33-42-16-15-3060 | Oval arch culverts, excluding excavation and backfill, corrugated galvanized or aluminum, coated and paved, 28" x 20", 14 gauge, 24" | L.F. | B-14 | 38.00 | 58.00 | 11.70 | 1.95 | $85.50 | $3,249.00 |

| Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|
| | equivalent | | | | | | | | |
| | **33 - Utilities Total** | | | | | | | **$3,249.00** | |

## Alternates

| Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|
| 74 01-11-31-10-0060 | Architectural fees, for new construction, minimum | Project | | 304,179.93 | 0.00 | 0.00 | 0.00 | 0.4500% | $1,368.81 |
| 75 01-54-33-20-0095-1 | Hourly:Earthwork equipment rental, without operators, auger, for fence posts, gas engine, hand held<br>RS Menas has $62.15 per person x 2 men. It takes two men to operate this equipment | Hr. | | 8.00 | 0.04 | 124.30 | 0.00 | $124.34 | $994.72 |
| 76 01-54-33-20-1910-1 | Hourly:Earthwork equipment rental, without operators, grader, self-propelled, 30,000 lb.<br>4 weeks of grading | Hr. | | 160.00 | 25.05 | 63.15 | 0.00 | $88.20 | $14,112.00 |
| 77 01-54-33-20-2900-1 | Hourly:Earthwork equipment rental, without operators, rake, spring tooth, with tractor<br>Raking the work are and laydown area getting it ready for final soil and sod! | Hr. | | 40.00 | 8.04 | 60.55 | 0.00 | $68.59 | $2,743.60 |
| 78 01-54-33-20-3170-1 | Hourly:Earthwork equipment rental, without operators, landfill compactor, 220 HP<br>Rolling the sub base and compacting it for pre for the final base for the asphalt | Hr. | | 40.00 | 62.00 | 60.55 | 0.00 | $122.55 | $4,902.00 |
| 79 01-54-33-20-3300-1 | Hourly:Earthwork equipment rental, without operators, sheepsfoot vibratory roller, 200 H.P.<br>Working the base area for the curbs | Hr. | | 40.00 | 50.15 | 62.15 | 0.00 | $112.30 | $4,492.00 |
| 80 01-54-33-20-3600-1 | Hourly:Earthwork equipment rental, without operators, scrapers, self-propelled, 4 x 4 drive, 2 engine, 24 C.Y. capacity<br>Scraping the driveway and the parking area | Hr. | | 40.00 | 137.50 | 63.15 | 0.00 | $200.65 | $8,026.00 |
| 81 01-54-33-20-4310-1 | Hourly:Earthwork equipment rental, without operators, tractor, crawler, with bulldozer, torque converter, diesel 300 H.P.<br>Clearing the work area and the larger cut's | Hr. | | 40.00 | 59.75 | 63.15 | 0.00 | $122.90 | $4,916.00 |
| 82 01-54-33-20-4730-1 | Hourly:Earthwork equipment rental, without operators, tractor loader, wheel, torque convertor, 4 x 4, 3 to 4-1/2 C.Y., 170 H.P.<br>Loading the chipped mulching and the rubbish out and laoding the trucks out | Hr. | | 40.00 | 24.25 | 63.15 | 0.00 | $87.40 | $3,496.00 |
| 83 01-54-33-20-5200-1 | Hourly:Earthwork equipment rental, without operators, trencher, chain type, diesel, 8' deep, 16" wide | Hr. | | 16.00 | 63.00 | 63.15 | 0.00 | $126.15 | $2,018.40 |

Estimator: Gary Haverly BONNIE CONNER PARK PHASE II

**Alternates**

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Trenching the drain lines in | | | | | | | | |
| 84 | 01-54-33-20-5300-1 | Hourly:Earthwork equipment rental, without operators, truck, dump, three axle dump, 16 ton, 12 C.Y. payload<br>Truching all the rubbish out to the land fill! | Hr. | | 40.00 | 33.50 | 48.60 | 0.00 | $82.10 | $3,284.00 |
| 85 | 01-56-26-50-0100 | Demo - Temporary fencing, chain link, 11 gauge, 6' high<br>Original Values (M:$6.50 L:$1.53 E: O:300.00 LH:0.053)<br>Labor Adjustment: 50% ($0.7700)<br>Rmoving the fencing after the project is completed | L.F. | 2 CLAB | 2,300.00 | 0.00 | 0.77 | 0.00 | $0.77 | $1,771.00 |
| 86 | 11-68-13-20-0190 | Modular playground, basic components, steps, deck-to-deck, three 8" steps<br>LABOR ONLY TO INSTALL PLAY GROUND EQUIPMENT | HR | B-01 | 160.00 | 0.00 | 62.15 | 0.00 | $62.15 | $9,944.00 |
| 87 | 13-34-19-50-0200 | Pre engineered steel buildings, clear span rigid frame, 30 P.S.F. roof and 20 P.S.F. wind load, excluding footings, slabs and anchor bolts, 26 gauge colored roofing and siding, 30' to 40' wide, 10' eave height | SF Flr. | E-02 | 2,115.00 | 0.00 | 4.22 | 2.89 | $7.11 | $15,037.65 |
| 88 | 32-16-13-13-0415 | Cast in place concrete curbs and gutters, concrete, machine formed, 6" x 18", straight<br>Extral labor for saw-tooth curbing | L.F. | B-69A | 405.00 | 0.00 | 3.80 | 0.34 | $4.14 | $1,676.70 |
| | | **Alternates Total** | | | | | | | $78,782.88 | |

**Estimate Grand Total** **302,626.32**

ALPHA BUILDING CORPORATION

*First Choice For Facilities Renovation & Construction*

# Estimate Details

**Labor - Material - Equipment**
**Gary Haverly**
**Alpha Building Corporation**
**City of San Atnonio - COSA - Job Order Contract**

**Estimator: Gary Haverly** | **ADD ALTERNATE #1, 6 PICNIC TABLES**

## Division Summary (MF04)

| | | | |
|---|---|---|---|
| 01 - General Requirements | $146.59 | 23 - Heating, Ventilating, and Air-Conditioning (HVAC) | |
| 02 - Existing Conditions | | 26 - Electrical | |
| 03 - Concrete | | 27 - Communications | |
| 04 - Masonry | | 28 - Electronic Safety and Security | |
| 05 - Metals | | 31 - Earthwork | |
| 06 - Wood, Plastics, and Composites | | 32 - Exterior Improvements | |
| 07 - Thermal and Moisture Protection | | 33 - Utilities | |
| 08 - Openings | | 34 - Transportation | |
| 09 - Finishes | | 35 - Waterway and Marine Transportation | |
| 10 - Specialties | | 41 - Material Processing and Handling Equipment | |
| 11 - Equipment | | 44 - Pollution Control Equipment | |
| 12 - Furnishings | | 48 - Electric Power Generation | |
| 13 - Special Construction | | Alternates | $4,299.00 |
| 14 - Conveying Equipment | | Trades | |
| 21 - Fire Suppression | | Assemblies | |
| 22 - Plumbing | | **MF04 Bare Total (Without totalling components)** | **$4,445.59** |

## Totalling Components

| | | | |
|---|---|---|---|
| 07 - COSA JOC Standard (-20.4000%) | $(29.90) | 07 - Non-Priced Line Items Multiplier (10.0000%) | $429.90 |
| 07 - Priced Line Items | $146.59 | Q2 - 07 RS Means CCI San Antonio, TX_1 (-15.7965%) | $(23.16) |
| 07 - Non-Priced Line Items | $4,299.00 | | |

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

| | Bare Cost |
|---|---|
| Material: | $4,080.00 |
| Labor: | $219.00 |
| Equipment: | $0.00 |
| Other: | $146.59 |
| Laborhours: | 0.00 |

**Grand Total** **$4,822.43**

Estimator: Gary Haverly — ADD ALTERNATE #1, 6 PICNIC TABLES

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **01 - General Requirements** | | | | | | | | | | |
| 1 | 01-31-13-90-0020 | Performance bond, for buildings, minimum | Job | | 4,728.90 | 0.00 | 0.00 | 0.00 | 0.6000% | $28.37 |
| 2 | 01-31-13-90-0100 | Performance bond, for buildings, minimum | Job | | 4,728.90 | 0.00 | 0.00 | 0.00 | 2.5000% | $118.22 |
| | | **01 - General Requirements Total** | | | | | | | **$146.59** | |
| **Alternates** | | | | | | | | | | |
| 3 | 12-56-51-10-8520 | Picnic tables, expanded metal plastic-coated, 8' ADA accessible picnic table | Ea. | 2 CARP | 6.00 | 680.00 | 36.50 | 0.00 | $716.50 | $4,299.00 |
| | | **Alternates Total** | | | | | | | **$4,299.00** | |
| | | | | | **Estimate Grand Total** | | | | | **4,822.43** |

ALPHA BUILDING CORPORATION
*First Choice for Facilities Renovation & Construction*

# Estimate Details

**Labor - Material - Equipment**
**Gary Haverly**
**Alpha Building Corporation**
**City of San Atnonio - COSA - Job Order Contract**

**Estimator: Gary Haverly** — **ADD ALTERNATE #2, 6 PARK BENCHES**

## Division Summary (MF04)

| | | | |
|---|---|---|---|
| 01 - General Requirements | $132.07 | 23 - Heating, Ventilating, and Air-Conditioning (HVAC) | |
| 02 - Existing Conditions | | 26 - Electrical | |
| 03 - Concrete | | 27 - Communications | |
| 04 - Masonry | | 28 - Electronic Safety and Security | |
| 05 - Metals | | 31 - Earthwork | |
| 06 - Wood, Plastics, and Composites | | 32 - Exterior Improvements | |
| 07 - Thermal and Moisture Protection | | 33 - Utilities | |
| 08 - Openings | | 34 - Transportation | |
| 09 - Finishes | | 35 - Waterway and Marine Transportation | |
| 10 - Specialties | | 41 - Material Processing and Handling Equipment | |
| 11 - Equipment | | 44 - Pollution Control Equipment | |
| 12 - Furnishings | | 48 - Electric Power Generation | |
| 13 - Special Construction | | Alternates | $3,873.00 |
| 14 - Conveying Equipment | | Trades | |
| 21 - Fire Suppression | | Assemblies | |
| 22 - Plumbing | | **MF04 Bare Total (Without totalling components)** | **$4,005.07** |

## Totalling Components

| | | | |
|---|---|---|---|
| 07 - COSA JOC Standard (-20.4000%) | $(26.94) | 07 - Non-Priced Line Items Multiplier (10.0000%) | $387.30 |
| 07 - Priced Line Items | $132.07 | Q2 - 07 RS Means CCI San Antonio, TX_1 (-15.7965%) | $(20.86) |
| 07 - Non-Priced Line Items | $3,873.00 | | |

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

| | Bare Cost |
|---|---|
| Material: | $3,480.00 |
| Labor: | $393.00 |
| Equipment: | $0.00 |
| Other: | $132.07 |
| Laborhours: | 0.00 |

**Grand Total** **$4,344.57**

Estimator: Gary Haverly

ADD ALTERNATE #2, 6 PARK BENCHES

| | Item | Description | UM | Crew | Quantity | Material | Labor | Equipment | Unit Cost | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| **01 - General Requirements** | | | | | | | | | | |
| 1 | 01-31-13-90-0020 | Performance bond, for buildings, minimum | Job | | 4,260.30 | 0.00 | 0.00 | 0.00 | 0.6000% | $25.56 |
| 2 | 01-31-13-90-0100 | Performance bond, for buildings, minimum | Job | | 4,260.30 | 0.00 | 0.00 | 0.00 | 2.5000% | $106.51 |
| | | **01 - General Requirements Total** | | | | | | | $132.07 | |
| **Alternates** | | | | | | | | | | |
| 3 | 12-93-43-13-0400 | Site seating, plastic- coated metal bench, with back, one piece, 6' long | Ea. | 2 CLAB | 6.00 | 580.00 | 65.50 | 0.00 | $645.50 | $3,873.00 |
| | | **Alternates Total** | | | | | | | $3,873.00 | |
| | | | | | **Estimate Grand Total** | | | | | 4,344.57 |