

BIG OAK PARK IMPROVEMENTS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
1.00	Earthwork				
1.00	Force Account	LS	1	\$ 180,000.00	\$ 180,000.00
1.01	Strip and Stockpile Topsoil	CY	275		
1.02	Erosion Control Measures	LS	1		
1.03	Site Grading	CY	327		
1.04	Fine Grading	SF	35,350		
1.05	Miscellaneous Demolition	LS	1		
1.06	Tree Protection Fencing	LS	1		

Sub-Total:

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
2.00	Site Utilities				
2.01	2' Domestic Water Service, Gate Valve & Backflow Preventer	LS	1		
2.02	4" Sanitary Sewer Lateral	LF	320		
2.03	Electric Service	LS	1		

Sub-Total:

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
3.00	Site Work				
3.01	Asphalt parking lot (21 Stalls)	EA	21		
3.02	Pavement Marking	EA	21		
3.03	Concrete Walks	SF	1,400		
3.04	Stone Dust Walking Trail	SF	7,600		
3.05	Seed Disturbed Areas	SF	16,800		
3.06	Bollard	EA	13		
3.07	Handicap Signage	EA	2		
3.08	Unit Pavers	SF	252		

Sub-Total:

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
4.00	Sport Courts				
4.01	Acrylic Surfaced Asphalt Hard Courts- Pickleball	SF	6,495		
4.02	Acrylic Surfaced Asphalt Hard Courts- Basketball	SF	4,026		
4.03	Outdoor fitness area	LS	1		
4.04	Pickleball Court Fencing	LF	340		

Sub-Total:

BIG OAK PARK IMPROVEMENTS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
5.00	Buildings				
5.01	New Park Shelter with Restrooms	SF	1,800		
5.02	Airnasium Overhead Structure	SF	13,554		
5.03	Airnasium Foundation Piers & Slab	LS	1		
5.04	Rain Water Leader Dischage and Cleanouts	LF	100		
5.05	LED Pendant Lights	EA	24		
5.06	Circulation Fans	EA	2		

Sub-Total:

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
6.00	Site Amenities				
6.01	Landscaping	LS	1		
6.02	Benches	EA	8		
6.03	Trash receptacles	EA	4		
6.04	Concrete Bench Pads (10'x4')	SF	160		
6.05	Team Benches	EA	9		

Sub-Total:

Total Project Cost (Base Bid):

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST
ALT	Add Alternate #1				
A.01	Versacourt Tiles for Basketball Court	SF	4,026		

Sub-Total:

Total Project Cost (Alternate Bid):

**26-162 Value Engineering - Phase I
BOYKIN ROAD PARK IMPROVEMENTS CONSTRUCTION BID RESULTS**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Engineer Estimate		JHC Corporation		JHC Corporation VE Bid	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
1.00	Demolition/Earthwork								
1.01	Force Account	LS	1	#####	\$ 166,000.00	\$ 166,000.00	\$ 166,000.00	\$ 70,000.00	\$ 70,000.00
1.02	Early Completion Incentive Allowance	LS	1	\$ 61,000.00	\$ 61,000.00	\$ 61,000.00	\$ 61,000.00	\$ -	\$ -
1.03	Mobilization	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 797,000.00	\$ 797,000.00	#####	\$ 753,505.00
1.04	Erosion and Sediment Control	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00
1.05	Earthwork	SF	102000	\$ 1.00	\$ 102,000.00	\$ 0.90	\$ 91,800.00	\$ 0.90	\$ 91,800.00
1.06	Construction Surveying	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
1.07	Remove and Dispose of Existing Asphalt	SF	11,500	\$ 2.00	\$ 23,000.00	\$ 2.50	\$ 28,750.00	\$ 2.50	\$ 28,750.00
1.08	Remove and Dispose of Existing Gravel	SF	11000	\$ 2.00	\$ 22,000.00	\$ 2.50	\$ 27,500.00	\$ 2.50	\$ 27,500.00
1.09	Remove and Dispose of Existing Chain Link Fence	LF	1100	\$ 7.50	\$ 8,250.00	\$ 10.00	\$ 11,000.00	\$ 10.00	\$ 11,000.00
1.10	Remove and Dispose of Existing Concrete Curb	LF	163	\$ 3.00	\$ 489.00	\$ 25.00	\$ 4,075.00	\$ 25.00	\$ 4,075.00
1.11	Remove and Dispose of Existing Basketball Goals	EA	3	\$ 300.00	\$ 900.00	\$ 1,500.00	\$ 4,500.00	\$ 1,500.00	\$ 4,500.00
1.12	Remove and Dispose of Existing Storm Structure	EA	3	\$ 1,000.00	\$ 3,000.00	\$ 6,000.00	\$ 18,000.00	\$ 6,000.00	\$ 18,000.00
1.13	Remove and Dispose of Existing Storm Pipe	LF	280	\$ 10.00	\$ 2,800.00	\$ 55.00	\$ 15,400.00	\$ 55.00	\$ 15,400.00
				\$ 469,439.00		*Clarify Scope	#####	#####	

Reduced to 3% of bid per recommendation of CHA

Reduction in mobilization assumes removal of LD's from contract

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
2.00	Site Work								
2.01	Aggregate Base Course	TN	417	\$ 55.00	\$ 22,935.00	\$ 85.00	\$ 35,445.00	\$ 85.00	\$ 35,445.00
2.02	Asphalt Intermediate Course	TN	178	\$ 150.00	\$ 26,700.00	\$ 300.00	\$ 53,400.00	\$ 300.00	\$ 53,400.00
2.03	Asphalt Surface Course	TN	178	\$ 165.00	\$ 29,370.00	\$ 300.00	\$ 53,400.00	\$ 300.00	\$ 53,400.00
2.04	Aggregate Base Course	TN	313	\$ 55.00	\$ 17,215.00	\$ 85.00	\$ 26,605.00	\$ 85.00	\$ 26,605.00
2.05	Asphalt Surface Course	TN	111	\$ 165.00	\$ 18,315.00	\$ 300.00	\$ 33,300.00	\$ 300.00	NIB
2.06	Driveway Entrance	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00	\$ 13,000.00
2.07	Concrete Sidewalk	SY	1100	\$ 65.00	\$ 71,500.00	\$ 70.00	\$ 77,000.00	\$ 70.00	\$ 66,430.00
2.08	Concrete Curb	LF	937	\$ 25.00	\$ 23,425.00	\$ 30.00	\$ 28,110.00	\$ 30.00	\$ 28,110.00

Removed from scope

Reduced to 949 per Designer VE Suggestions

**26-162 Value Engineering - Phase I
BOYKIN ROAD PARK IMPROVEMENTS CONSTRUCTION BID RESULTS**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Engineer Estimate		JHC Corporation		JHC Corporation VE Bid		VE Notes
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	
2.09	Turn Down at Park Shelters	LF	208	\$ 45.00	\$ 9,360.00	\$ 25.00	\$ 5,200.00	\$ 25.00	\$ 5,200.00	
2.10	Concrete Steps	EA	2	\$ 20,000.00	\$ 40,000.00	\$ 4,000.00	\$ 8,000.00	\$ 4,000.00	\$ 4,000.00	Reduced to one step per Designer VE Suggestions
2.11	Turn Down Edge	LF	123	\$ 30.00	\$ 3,690.00	\$ 30.00	\$ 3,690.00	\$ 30.00	\$ 3,690.00	
2.12	Safety Railing	LF	123	\$ 185.00	\$ 22,755.00	\$ 85.00	\$ 10,455.00	\$ 85.00	\$ 10,455.00	
2.13	Playground Concrete Border	LF	252	\$ 30.00	\$ 7,560.00	\$ 25.00	\$ 6,300.00	\$ 25.00	\$ 6,300.00	
2.14	Valley Gutter	LF	129	\$ 25.00	\$ 3,225.00	\$ 25.00	\$ 3,225.00	\$ 25.00	\$ 3,225.00	
2.15	Decomposed Granite Trail	TN	58	\$ 300.00	\$ 17,400.00	\$ 270.00	\$ 15,660.00	\$ 270.00	\$ 12,150.00	Reduced to 45 tons per Designer VE Suggestions
2.16	Aggregate Base Course	TN	118	\$ 55.00	\$ 6,490.00	\$ 110.00	\$ 12,980.00	\$ 110.00	\$ 10,230.00	Reduced to 93 tons per Designer VE Suggestions
2.17	Curb Ramps	EA	4	\$ 2,000.00	\$ 8,000.00	\$ 2,000.00	\$ 8,000.00	\$ 2,000.00	\$ 8,000.00	
2.18	Detectable Warning Plates	SF	281	\$ 20.00	\$ 5,620.00	\$ 40.00	\$ 11,240.00	\$ 40.00	\$ 11,240.00	
2.19	Solar Bollards	EA	38	\$ 1,000.00	\$ 38,000.00	\$ 1,000.00	\$ 38,000.00	\$ 1,000.00	\$ 15,500.00	Reduced to 8 Solar and 20 Uline regular bollards
2.20	Pavement Markings	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 9,000.00	\$ 9,000.00	\$ 9,000.00	\$ 9,000.00	
2.21	Signage	EA	5	\$ 500.00	\$ 2,500.00	\$ 750.00	\$ 3,750.00	\$ 750.00	\$ 3,750.00	
2.22	Monument Sign	LS	1	\$ 2,000.00	\$ 2,000.00	\$ 1,250.00	\$ 1,250.00	\$ 1,250.00	NIB	Removed from scope
2.23	Seed Disturbed Areas	SF	31600	\$ 0.10	\$ 3,160.00	\$ 0.20	\$ 6,320.00	\$ 0.20	\$ 6,320.00	
				\$ 391,220.00		\$ 463,330.00		\$ 385,450.00		

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
3.00	Site Utilities								
3.01	12" RCP Storm Pipe	LF	134	\$ 100.00	\$ 13,400.00	\$ 85.00	\$ 11,390.00	\$ 85.00	\$ 11,390.00
3.02	12" HDPE Storm Pipe	LF	414	\$ 55.00	\$ 22,770.00	\$ 35.00	\$ 14,490.00	\$ 35.00	\$ 14,490.00
3.03	18" RCP Storm Pipe	LF	73	\$ 130.00	\$ 9,490.00	\$ 86.00	\$ 6,278.00	\$ 86.00	\$ 6,278.00
3.04	24" RCP Storm Pipe	LF	16	\$ 165.00	\$ 2,640.00	\$ 100.00	\$ 1,600.00	\$ 100.00	\$ 1,600.00
3.05	24" HDPE Storm Pipe	LF	315	\$ 115.00	\$ 36,225.00	\$ 50.00	\$ 15,750.00	\$ 50.00	\$ 15,750.00
3.06	Underdrainage	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00	\$ 35,000.00
3.07	Storm Structures	EA	8	\$ 3,000.00	\$ 24,000.00	\$ 6,000.00	\$ 48,000.00	\$ 6,000.00	\$ 48,000.00
3.08	Area Drains	EA	6	\$ 1,500.00	\$ 9,000.00	\$ 2,750.00	\$ 16,500.00	\$ 2,750.00	\$ 16,500.00

**26-162 Value Engineering - Phase I
BOYKIN ROAD PARK IMPROVEMENTS CONSTRUCTION BID RESULTS**

VE Notes

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Engineer Estimate		JHC Corporation		JHC Corporation VE Bid	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
3.09	Storm Water Control Measures	EA	1	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00
3.10	2" Domestic Water Service and Appurtenances	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 17,500.00	\$ 17,500.00	\$ 17,500.00	\$ 17,500.00
3.11	6" Sanitary Sewer Lateral	LF	184	\$ 120.00	\$ 22,080.00	\$ 83.00	\$ 15,272.00	\$ 83.00	\$ 15,272.00
3.12	5" Schedule 80 Conduit	LF	221	\$ 35.00	\$ 7,735.00	\$ 45.00	\$ 9,945.00	\$ 45.00	\$ 9,945.00
3.13	Electric Service	LS	1	\$ 15,000.00	\$ 15,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
				\$ 212,340.00		\$ 236,725.00		\$ 236,725.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
4.00	Buildings and Playgrounds								
4.01	Park Shelter with Restrooms	EA	1	#####	\$ 160,000.00	\$ 600,000.00	\$ 600,000.00	\$528,000.00	\$ 528,000.00
4.02	Park Shelter	EA	2	\$ 30,000.00	\$ 60,000.00	\$ 70,000.00	\$ 140,000.00	\$ 42,000.00	\$ 84,000.00
4.03	Play Stuctures	EA	1	#####	\$ 150,000.00	\$ 175,000.00	\$ 175,000.00	\$ 37,500.00	\$ 37,500.00
4.04	Swings	LS	1	\$ 9,000.00	\$ 9,000.00	\$ 30,000.00	\$ 30,000.00	\$ 12,500.00	\$ 12,500.00
4.05	Freestanding Play Components	LS	1	\$ 12,000.00	\$ 12,000.00	\$ 30,000.00	\$ 30,000.00	\$ 18,000.00	\$ 18,000.00
4.06	Stabilizing Rubber Wear Mats	LS	1	\$ 7,000.00	\$ 7,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	NIB
4.07	Engineered Wood Fiber Surfacing	SY	400	\$ 30.00	\$ 12,000.00	\$ 70.00	\$ 28,000.00	\$ 70.00	\$ 28,000.00
				\$ 410,000.00		#####		\$ 708,000.00	

Building and pavilion to be wood framed w/ metal roofing. T&G under roofing. Hardi Siding with stone venner 30" high around building columns. Concrete sidewalk and turndown to be billed under line items.

Amish whole sale gazebos + concrete footers
Includes Pine Craft Pirate Ship Set and Itty Bitty Pirate Ship set

Single post swing with two bays from playground equipment
Compan Water Seesaw+ 2 splash tables

Removed from scope

*clarify scope

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
5.00	Site Amenities and Landscaping								
5.01	Benches	EA	8	\$ 1,200.00	\$ 9,600.00	\$ 5,000.00	\$ 40,000.00	\$ 1,476.00	\$ 2,952.00
5.02	Trash Receptacles	EA	4	\$ 1,500.00	\$ 6,000.00	\$ 4,000.00	\$ 16,000.00	\$ 1,250.00	\$ 5,000.00
5.03	Grills	EA	4	\$ 500.00	\$ 2,000.00	\$ 1,500.00	\$ 6,000.00	\$ 1,500.00	\$ 6,000.00
5.04	Bike Rack	EA	1	\$ 300.00	\$ 300.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00

Reduced to 2 benches per Designer VE Suggestions
ULINE Model # H-2889BR

**26-162 Value Engineering - Phase I
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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Engineer Estimate		JHC Corporation		JHC Corporation VE Bid	
				UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
5.05	Bike Locker	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 12,000.00	\$ 12,000.00	\$ 6,200.00	\$ 6,200.00
5.06	Landscape Mulch	CF	2000	\$ 5.00	\$ 10,000.00	\$ 0.50	\$ 1,000.00	\$ 0.50	\$ 1,000.00
5.07	Landscape Plantings and Native Seed	LS	1	#####	\$ 100,000.00	\$ 100,000.00	\$ 100,000.00	\$ 20,000.00	\$ 20,000.00
				\$ 130,900.00		\$ 176,000.00		\$ 42,152.00	

VE Notes

2 Bike capacity includes padlock

Reduce landscaping by 80% per Designer
VE Suggestions

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
6.00	Miscellaneous Construction								
6.01	Fitness Equipment	LS	1	\$ 8,000.00	\$ 8,000.00	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	NIB
6.02	Fitness Area	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	NIB
6.03	Bench	EA	1	\$ 1,200.00	\$ 1,200.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	NIB
6.04	Planters	EA	4	\$ 300.00	\$ 1,200.00	\$ 1,200.00	\$ 4,800.00	\$ 1,200.00	NIB
				\$ 15,400.00		\$ 79,800.00			
Total Project Cost (Base)				\$ 1,629,299.00		#####		#####	
				Engineer Estimate		Original Bid		VE Bid Total	