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):	

26-161 Value Engineering Phase 1 -
MAY PARK IMPROVEMENTS CONSTRUCTION BID RESULTS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Engineer Estimate UNIT COST	Engineer Estimate COST	JHC Corporation UNIT COST	JHC Corporation COST		JHC Corporation VE Bid UNIT COST	JHC Corporation VE Bid COST	VE Notes
1.00	**Demolition/Earthwork**							$ 333,000.00			
1.01	Force Account	LS	1	$ 272,000.00	$ 272,000.00	$ 272,000.00	$ 272,000.00	Force Account and Early Completeion Incentive not factored into cost estimate	$ 100,000.00	$ 100,000.00	Reduced to 3% of bid per recommendation of CHA
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	$ 1,530,000.00	$ 1,530,000.00		$ 1,230,000.00	$ 1,230,000.00	JHC had built in LD's in the original bid due to the uncertainty of start date and buildability in the time allowed. Reduced with removal of LDs from contract. Reducing an additional $20k for bonding decrease due to scope decrease and an additional $30k for scope reduction.
1.04	Erosion and Sediment Control	LS	1	$ 30,000.00	$ 30,000.00	$ 40,000.00	$ 40,000.00		$ 40,000.00	$ 40,000.00	
1.05	Earthwork	SF	222358	$ 1.00	$ 222,358.00	$ 1.00	$ 222,358.00		$ 1.00	$ 222,358.00	
1.06	Construction Surveying	LS	1	$ 7,500.00	$ 7,500.00	$ 25,000.00	$ 25,000.00		$ 25,000.00	$ 25,000.00	
1.07	Remove and Dispose of Existing Fire Station	LS	1	$ 75,000.00	$ 75,000.00	$ 100,000.00	$ 100,000.00		$ 100,000.00	$ 100,000.00	
1.08	Remove and Dispose of Existing Park Shelters	LS	1	$ 20,000.00	$ 20,000.00	$ 100,000.00	$ 100,000.00		$ 35,000.00	$ 35,000.00	Reduced price to $35,000
1.09	Remove and Dispose of Existing Asphalt	SF	5,231	$ 2.00	$ 10,462.00	$ 3.00	$ 15,693.00		$ 3.00	$ 15,693.00	
1.10	Mill Existing Asphalt Play Courts	SY	2,140	$ 6.00	$ 12,840.00	$ 10.00	$ 21,400.00		$ 10.00	$ 21,400.00	
1.11	Remove and Dispose of Existing Concrete	SF	22735	$ 3.00	$ 68,205.00	$ 3.00	$ 68,205.00		$ 3.00	$ 68,205.00	``
1.12	Remove and Dispose of Existing Chain Link Fence	LF	2950	$ 7.50	$ 22,125.00	$ 5.00	$ 14,750.00		$ 5.00	$ 14,750.00	
1.13	Remove and Dispose of Existing Concrete Curb	LF	30	$ 3.00	$ 90.00	$ 55.00	$ 1,650.00		$ 55.00	$ 1,650.00	
1.14	Remove and Dispose of Existing Basketball Goals	EA	2	$ 300.00	$ 600.00	$ 3,000.00	$ 6,000.00		$ 1,000.00	$ 2,000.00	Reduced unit price to $1,000/ea
1.15	Remove and Dispose of Existing Storm Structure	EA	2	$ 1,000.00	$ 2,000.00	$ 6,000.00	$ 12,000.00		$ 6,000.00	$ 12,000.00	
1.16	Remove and Dispose of Existing Storm Pipe	LF	100	$ 10.00	$ 1,000.00	$ 55.00	$ 5,500.00		$ 55.00	$ 5,500.00	
					$ 855,180.00	*Clarify Scope	$ 2,495,556.00			$ 1,893,556.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
2.00	**Site Work**								
2.01	Aggregate Base Course	TN	322	$ 55.00	$ 17,710.00	$ 85.00	$ 27,370.00	$ 85.00	$ 27,370.00
2.02	Asphalt Intermediate Course	TN	206	$ 150.00	$ 30,900.00	$ 300.00	$ 61,800.00	$ 300.00	$ 61,800.00
2.03	Asphalt Surface Course	TN	137	$ 165.00	$ 22,605.00	$ 300.00	$ 41,100.00	$ 300.00	$ 41,100.00
2.04	Aggregate Base Course	TN	224	$ 55.00	$ 12,320.00	$ 85.00	$ 19,040.00	$ 85.00	$ 19,040.00

26-161 Value Engineering Phase 1 -
MAY PARK IMPROVEMENTS CONSTRUCTION BID RESULTS

				Engineer Estimate		JHC Corporation		JHC Corporation VE Bid		VE Notes
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	
2.05	Asphalt Intermediate Course	TN	127	$ 150.00	$ 19,050.00	$ 275.00	$ 34,925.00	$ 275.00	$ 34,925.00	
2.06	Asphalt Surface Course	TN	95	$ 165.00	$ 15,675.00	$ 300.00	$ 28,500.00	$ 275.00	$ 26,125.00	Reduced Unit Price to $275/ton
2.07	Driveway Entrance	LS	1	$ 7,000.00	$ 7,000.00	$ 25,000.00	$ 25,000.00	$ 13,000.00	$ 13,000.00	Reduced driveway entrance to $13,000
2.08	Concrete Sidewalk	SY	1200	$ 65.00	$ 78,000.00	$ 80.00	$ 96,000.00	$ 70.00	$ 84,000.00	Reduced cost to $70/SY
2.09	Concrete Curb	LF	887	$ 25.00	$ 22,175.00	$ 30.00	$ 26,610.00	$ 30.00	$ 26,610.00	
2.10	Pavement Markings	LS	1	$ 10,000.00	$ 10,000.00	$ 30,000.00	$ 30,000.00	$ 10,000.00	$ 10,000.00	Reduced to $10,000 LS
2.11	Decomposed Granite Trail	TN	153	$ 300.00	$ 45,900.00	$ 125.00	$ 19,125.00	$ 125.00	$ 16,000.00	Reduced to 128 tons per Designer VE Suggestions
2.12	Aggregate Base Course	TN	307	$ 55.00	$ 16,885.00	$ 85.00	$ 26,095.00	$ 85.00	$ 21,845.00	Reduced to 257 tons per Designer VE Suggestions
2.13	Curb Ramps	EA	5	$ 2,000.00	$ 10,000.00	$ 2,000.00	$ 10,000.00	$ 2,000.00	$ 10,000.00	
2.14	Detectable Warning Plates	SF	61	$ 20.00	$ 1,220.00	$ 60.00	$ 3,660.00	$ 60.00	$ 3,660.00	
2.15	Solar Bollards	EA	46	$ 1,000.00	$ 46,000.00	$ 1,100.00	$ 50,600.00	$ 1,100.00	$ 25,300.00	Reduced to 23 bollards per Designer VE suggestions.
2.16	6' HT. Chain Link Fence	LF	1481	$ 28.00	$ 41,468.00	$ 30.00	$ 44,430.00	$ 30.00	$ 44,430.00	
2.17	6' HT. x 4' W Gate Leaf	EA	5	$ 600.00	$ 3,000.00	$ 800.00	$ 4,000.00	$ 800.00	$ 4,000.00	
2.18	6' HT. x 4' W Double Gate Leaf	EA	4	$ 1,200.00	$ 4,800.00	$ 1,600.00	$ 6,400.00	$ 1,600.00	$ 6,400.00	
2.19	8' HT. Chain Link Fence	LF	401	$ 30.00	$ 12,030.00	$ 45.00	$ 18,045.00	$ 45.00	$ 18,045.00	
2.20	8' HT. x 4' W Gate Leaf	EA	8	$ 725.00	$ 5,800.00	$ 1,000.00	$ 8,000.00	$ 1,000.00	$ 8,000.00	
2.21	10' HT. Chain Link Fence	LF	727	$ 36.00	$ 26,172.00	$ 50.00	$ 36,350.00	$ 50.00	$ 36,350.00	
2.22	10' HT. x 4' W Gate Leaf	EA	4	$ 700.00	$ 2,800.00	$ 1,000.00	$ 4,000.00	$ 1,000.00	$ 4,000.00	
2.23	Hooded Backstop	EA	2	$ 14,000.00	$ 28,000.00	$ 13,000.00	$ 26,000.00	$ 13,000.00	$ 26,000.00	
2.24	Foul Poles	EA	2	$ 2,300.00	$ 4,600.00	$ 2,000.00	$ 4,000.00	$ 2,000.00	$ 4,000.00	
2.25	Signage	EA	3	$ 500.00	$ 1,500.00	$ 750.00	$ 2,250.00	$ 750.00	$ 2,250.00	
2.26	Monument Sign	LS	1	$ 2,000.00	$ 2,000.00	$ 5,000.00	$ 5,000.00	$ 5,000.00	$ 5,000.00	
2.27	Heritage Trail Plaques/ Street Signage	LS	1	$ 15,000.00	$ 15,000.00	$ 20,000.00	$ 20,000.00	$ 20,000.00	$ 20,000.00	
2.28	Seed Disturbed Areas	SF	110700	$ 0.10	$ 11,070.00	$ 0.20	$ 22,140.00	$ 0.20	$ 22,140.00	
					$ 513,680.00		$ 700,440.00		$ 621,390.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	VE Notes
3.00	**Site Utilities**									
3.01	8" HDPE Storm Pipe	LF	138	$ 40.00	$ 13,560.00	$ 40.00	$ 5,520.00	$ -	$ -	Removed from contract per revised drawings.

26-161 Value Engineering Phase 1 -
MAY PARK IMPROVEMENTS CONSTRUCTION BID RESULTS

				Engineer Estimate		JHC Corporation		JHC Corporation VE Bid		VE Notes
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	
3.02	12" RCP Storm Pipe	LF	190	$ 100.00	$ 10,400.00	$ 50.00	$ 9,500.00	$ 50.00	$ 9,500.00	
3.03	12" HDPE Storm Pipe	LF	87	$ 55.00	$ 8,855.00	$ 50.00	$ 4,350.00	$ -	$ -	Removed from contract per revised drawings.
3.04	15" HDPE Storm Pipe	LF	274	$ 50.00	$ 22,100.00	$ 55.00	$ 15,070.00	$ 55.00	$ 1,320.00	Reduced to 24 LF per revised drawings.
3.05	18" RCP Storm Pipe	LF	136	$ 130.00	$ 27,300.00	$ 85.00	$ 11,560.00	$ 85.00	$ 11,560.00	
3.06	Storm Structures	EA	11	$ 3,000.00	$ 33,000.00	$ 7,700.00	$ 84,700.00	$ 7,700.00	$ 38,500.00	Reduced to 5 structures per revised drawings.
3.07	Area Drains	EA	7	$ 1,500.00	$ 15,000.00	$ 7,700.00	$ 53,900.00	$ -	$ -	Removed from contract per revised drawings.
3.08	Storm Water Control Measures	EA	2	$ 25,000.00	$ 50,000.00	$ 25,000.00	$ 50,000.00	$ 25,000.00	$ 50,000.00	
3.09	2" Domestic Water Service and Appurtences	LS	1	$ 15,000.00	$ 15,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00	$ 30,000.00	
3.10	6" Sanitary Sewer Lateral	LF	240	$ 120.00	$ 34,680.00	$ 125.00	$ 30,000.00	$ 125.00	$ 30,000.00	
3.11	Electric Service	LS	1	$ 15,000.00	$ 15,000.00	$ 40,000.00	$ 40,000.00	$ 30,000.00	$ 30,000.00	Reduced price to $30,000
					$ 244,895.00		$ 334,600.00		$ 200,880.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	VE Notes
4.00	**Buildings and Playgrounds**									
4.01	Park Shelter With Restrooms	EA	1	$ 160,000.00	$ 160,000.00	$ 550,000.00	$ 550,000.00	$ 458,000.00	$ 458,000.00	Building and pavillion 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.
4.02	Tennis / Basketball Court Repairs and Improvements	LS	2	$ 235,000.00	$ 235,000.00	$ 125,000.00	$ 250,000.00	$ 125,000.00	$ 250,000.00	
					$ 395,000.00	*clarify scope	$ 800,000.00		$ 708,000.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	VE Notes
5.00	**Site Amenities and Landscaping**									
5.01	Benches	EA	4	$ 1,200.00	$ 4,800.00	$ 5,000.00	$ 20,000.00	$ 1,476.00	$ 5,904.00	
5.02	Tables	EA	6	$ 1,000.00	$ 6,000.00	$ 5,000.00	$ 30,000.00	$ 1,100.00	$ 6,600.00	Uline H-6578 reduces this cost to $1,100/ea.
5.03	Trash Receptacles	EA	6	$ 1,500.00	$ 9,000.00	$ 4,000.00	$ 24,000.00	$ 1,800.00	$ 10,800.00	Can get the Victor Stanley and reduced cost to $1800/ea.
5.04	Grills	EA	2	$ 500.00	$ 1,000.00	$ 1,500.00	$ 3,000.00	$ 1,500.00	$ 3,000.00	

26-161 Value Engineering Phase 1 -
MAY PARK IMPROVEMENTS CONSTRUCTION BID RESULTS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	Engineer Estimate UNIT COST	Engineer Estimate COST	JHC Corporation UNIT COST	JHC Corporation COST	JHC Corporation VE Bid UNIT COST	JHC Corporation VE Bid COST	VE Notes
5.05	Bike Rack	EA	18	$ 300.00	$ 5,400.00	$ 750.00	$ 13,500.00	$ 250.00	$ 750.00	Reduced to 3 bike racks per Designer VE suggestions and Dero Bike racks decrease cost to $250/ea
5.06	Bike Locker	EA	1	$ 3,000.00	$ 3,000.00	$ 10,000.00	$ 10,000.00	$ 6,200.00	$ 6,200.00	Dero 2 bike locker with padlocks reduces price to $6,200/ea
5.07	Landscape Plantings	LS	1	$ 50,000.00	$ 50,000.00	$ 310,000.00	$ 310,000.00	$ 54,600.00	$ 54,600.00	Reduced total cost budget per Designer VE suggestions. NOTE: There are a lot of areas that call for mulch, so this needs to be considered in final cost of landscaping in this phase.
					$ 79,200.00		$ 410,500.00		$ 87,854.00	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST
6.00	**Miscellaneous Construction**								
6.01	Earthwork	SF	45080	$ 1.00	$ 45,080.00	$ 1.00	$ 45,080.00	$ 1.00	**NIB**
6.02	Concrete Sidewalk	SY	2024	$ 65.00	$ 131,560.00	$ 70.00	$ 141,680.00	$ 70.00	**NIB**
6.03	Playground Concrete Border	LF	500	$ 30.00	$ 15,000.00	$ 25.00	$ 12,500.00	$ 25.00	**NIB**
6.04	Stone Dust Paving	SF	7100	$ 6.00	$ 42,600.00	$ 2.50	$ 17,750.00	$ 2.50	**NIB**
6.05	Curb Ramps	EA	2	$ 2,000.00	$ 4,000.00	$ 2,000.00	$ 4,000.00	$ 2,000.00	**NIB**
6.06	Detectable Warning Plates	SF	20	$ 20.00	$ 400.00	$ 60.00	$ 1,200.00	$ 60.00	**NIB**
6.07	Vinyl Coated Chain Link Fence	LF	825	$ 60.00	$ 49,500.00	$ 35.00	$ 28,875.00	$ 35.00	**NIB**
6.08	Concrete Pavers	SF	3232	$ 20.00	$ 64,640.00	$ 25.00	$ 80,800.00	$ 25.00	**NIB**
6.09	Columns	EA	10	$ 3,000.00	$ 30,000.00	$ 3,000.00	$ 30,000.00	$ 3,000.00	**NIB**
6.10	Seat Wall	SF	360	$ 30.00	$ 10,800.00	$ 125.00	$ 45,000.00	$ 125.00	**NIB**
6.11	Underdrainage	LS	1	$ 10,000.00	$ 10,000.00	$ 45,000.00	$ 45,000.00	$ 45,000.00	**NIB**
6.12	Park Shelter	EA	1	$ 30,000.00	$ 30,000.00	$ 100,000.00	$ 100,000.00	$ 100,000.00	**NIB**
6.13	Turn Down Curb at Park Shelter	LF	96	$ 45.00	$ 4,320.00	$ 125.00	$ 12,000.00	$ 125.00	**NIB**
6.14	Pergola	LS	1	$ 30,000.00	$ 30,000.00	$ 40,000.00	$ 40,000.00	$ 40,000.00	**NIB**
6.15	Play Structure	EA	1	$ 25,000.00	$ 25,000.00	$ 185,000.00	$ 185,000.00	$ 75,000.00	**NIB**
6.16	Freestanding Play Components	LS	1	$ 2,000.00	$ 2,000.00	$ 20,000.00	$ 20,000.00	$ 6,000.00	**NIB**
6.17	Engineered Wood Fiber Surfacing	SY	500	$ 30.00	$ 15,000.00	$ 35.00	$ 17,500.00	$ 35.00	**NIB**
6.18	Fitness Equipment	LS	1	$ 8,000.00	$ 8,000.00	$ 75,000.00	$ 75,000.00	$ 75,000.00	**NIB**

26-161 Value Engineering Phase 1 -
MAY PARK IMPROVEMENTS CONSTRUCTION BID RESULTS

				Engineer Estimate		JHC Corporation		JHC Corporation VE Bid		VE Notes
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	COST	UNIT COST	COST	UNIT COST	COST	
6.19	Concrete Cornhole Boards	EA	4	$ 1,500.00	$ 6,000.00	$ 2,000.00	$ 8,000.00	$ 2,000.00	**NIB**	
6.20	Benches	EA	26	$ 1,200.00	$ 31,200.00	$ 4,000.00	$ 104,000.00	$ 4,000.00	**NIB**	
6.21	Trash Receptacles	EA	1	$ 1,500.00	$ 1,500.00	$ 2,500.00	$ 2,500.00	$ 2,500.00	**NIB**	
6.22	Tables	EA	10	$ 1,000.00	$ 10,000.00	$ 6,500.00	$ 65,000.00	$ 6,500.00	**NIB**	
6.23	Planters	EA	12	$ 300.00	$ 3,600.00	$ 1,200.00	$ 14,400.00	$ 1,200.00	**NIB**	
6.24	Landscape Plantings	LS	1	$ 70,000.00	$ 70,000.00	$ 85,000.00	$ 85,000.00	$ 85,000.00	**NIB**	
6.25	Temporary Electric Poles	LS	1	$ 175.00	$ 175.00	$ 10,000.00	$ 10,000.00	$ 10,000.00	**$ 10,000.00**	
					$ 640,375.00		$ 1,190,285.00			
			Total Project Cost (Base		**$ 2,728,330.00**		**$ 5,931,381.00**		**$ 3,521,680.00**	
					Engineer Estimate		Original Bid		VE Bid Total	