

**Firemen's Park
Master Plan
Presentation
April 27, 2022**

Firemen's Park Existing Conditions



Comprehensive Plan Priorities

- Football field drainage and grading improvements
- Eliminate softball field; plan for future recreational amenity in this location
- Re-orient the baseball field and add dugouts/batting cages/lighting
- Demolish current concessions building and build new, centrally located building with restrooms
- Provide paved Multi-Use Pathway/Loop throughout Firemen's Park, potential for fitness stations
- ADA access throughout site
- Develop new & inclusive playground area
- Add more parking along the west part of the property
- Add new picnic shelters/pavilions



Recommended Next Steps

- Approval for Parks & Recreation ADA Assessment. Adopt resulting ADA Transition Plan.
- Collect additional topographic survey data for entire site.
- Analyze detention pond capacity for park impervious and drainage improvements.
- Design Firemen's Park Master Plan, includes recreational and infrastructure improvements.
- Develop Opinion of Probable Construction Costs for all improvements.
- Prepare OSLAD application in anticipation of 2023 submittal.
- Budget for and prepare bid documents for infrastructure improvements not covered by OSLAD.



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Opinion of Probable Construction Cost

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Project:	Firemen's Park Master Plan	Estimator: A. Wilson/M. Brueger/J. DeWerff			
Job No.:	0211237.00	Date: 03/30/2022			
Item No.	Description	Quantity	Unit	Unit Cost	Cost
1	Multi-Use Rectangular Sports Field, 180' x 372'				\$ 523,460.00
	Earthwork (Rough and Fine Grading)	7,100	SY	\$ 15.00	\$ 106,500.00
	Fine Grade and Sod	7,440	SY	\$ 14.00	\$ 104,160.00
	Football Goal Posts	1	Lump Sum	\$ 9,500.00	\$ 9,500.00
	LED Scoreboard	1	Lump Sum	\$ 7,000.00	\$ 7,000.00
	Bleachers, ADA Compliant, 5-Row with handrail and chainlink guardrail	2	Each	\$ 8,150.00	\$ 16,300.00
	Sports Lighting	1	Lump Sum	\$ 280,000.00	\$ 280,000.00

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2	Baseball / Softball Field, 250' Outfield Fence				\$ 668,030.00
	Earthwork (Rough and Fine Grading)	5,000	SY	\$ 15.00	\$ 75,000.00
	Cast in Place Concrete Retaining Walls, reinforced with footing, 12" thick x 4' ht. length extends from dugout around backstop through other dugout	900	SF	\$ 45.00	\$ 40,500.00
	Fine Grade and Sod	5,540	SY	\$ 14.00	\$ 77,560.00
	Infill Mix, 6" Depth	306	Ton	\$ 25.00	\$ 7,650.00
	Dugouts, 2 total, Concrete floor/rear wall and CMU above grade	2	Each	\$ 25,000.00	\$ 50,000.00
	Bullpen, 2 total, 8'W x 60'L each, 6" Infill Depth with Pitching Rubber and Home Plate	1	Lump Sum	\$ 2,160.00	\$ 2,160.00
	Batting Cages, 2 total, 28'W x 70' L, 4" Concrete Pad over 4" Aggregate with Posts and Netting	1	Lump Sum	\$ 21,860.00	\$ 21,860.00
	Black Vinyl Chainlink Fencing with (2) pedestrian gates and (1) maintenance gate, plus backstop	1	Lump Sum	\$ 120,000.00	\$ 120,000.00
	LED Scoreboard	1	Lump Sum	\$ 7,000.00	\$ 7,000.00
	Bleachers, ADA Compliant, 5-Row with handrail and chainlink guardrail	2	Each	\$ 8,150.00	\$ 16,300.00
	Sports Lighting	1	Lump Sum	\$ 250,000.00	\$ 250,000.00

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3	Sand Volleyball Courts, 2 total, 80' x 92'				\$	30,260.00
	Excavation, 18" depth	410	CY	\$	20.00	\$ 8,200.00
	Geotextile Fabric	820	SY	\$	7.00	\$ 5,740.00
	Pea Gravel, 3" depth	68	CY	\$	60.00	\$ 4,080.00
	Drain Tile, Perforated PVC	92	LF	\$	45.00	\$ 4,140.00
	Post and Net System	2	Each	\$	4,050.00	\$ 8,100.00
4	Basketball Court, 70' x 104'				\$	99,406.00
	Excavation, 9" depth	202	CY	\$	20.00	\$ 4,040.00
	P.C. Concrete Reinforced Barrier Curb, 12"W x 12"D	352	LF	\$	20.00	\$ 7,040.00
	Asphalt Pavement, 3" depth over 6" Aggregate Base	810	SY	\$	15.00	\$ 12,150.00
	6" Aggregate Base	202	SY	\$	8.00	\$ 1,616.00
	Acrylic Surfacing and Striping	7,280	SF	\$	2.00	\$ 14,560.00
	4'H Black Vinyl Chainlink Fencing with (2) pedestrian gates and (1) maintenance gate, 352 LF	1	Lump Sum	\$	47,000.00	\$ 47,000.00
	2 Total Posts, Backboard and Net Systems	1	Lump Sum	\$	8,000.00	\$ 8,000.00
	Security Lighting	1	Lump Sum	\$	5,000.00	\$ 5,000.00

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Item No.	Description	Quantity	Unit	Unit Cost	Cost
5	Tennis and Pickleball Court				\$ 98,080.00
	Excavation, 9" depth	205	CY	\$ 20.00	\$ 4,100.00
	P.C. Concrete Reinforced Barrier Curb, 12"W x 12"D	364	LF	\$ 20.00	\$ 7,280.00
	Asphalt Pavement, 3" depth	820	SY	\$ 15.00	\$ 12,300.00
	6" Aggregate Base	205	SY	\$ 8.00	\$ 1,640.00
	Acrylic Surfacing and Striping	7,380	SF	\$ 2.00	\$ 14,760.00
	10'H Black Vinyl Chainlink Fencing with (2) pedestrian gates and (1) maintenance gate, 352 LF	1	Lump Sum	\$ 47,000.00	\$ 47,000.00
	Complete Post, Anchor and Net System	1	Lump Sum	\$ 6,000.00	\$ 6,000.00
	Security Lighting	1	Lump Sum	\$ 5,000.00	\$ 5,000.00
6	Splash Park				\$ 218,696.00
	Splash Pad Equipment	1	Lump Sum	\$ 97,500.00	\$ 97,500.00
	P.C. Concrete 4"	10,686	SF	\$ 6.00	\$ 64,116.00
	4" Aggregate Base	1,190	SY	\$ 7.00	\$ 8,330.00
	Cantilever Shade Sail Structure	3	Each	\$ 10,000.00	\$ 30,000.00
	4' Ornamental Aluminum Fencing	250	LF	\$ 75.00	\$ 18,750.00

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7	Playground Area				\$ 248,920.00
	Playground Equipment Budget: Structure for 2-5 & 5-12 Year olds, Swing Set, and Stand Alone Equipment Pieces	1	Lump Sum	\$ 190,000.00	\$ 190,000.00
	Concrete Barrier Curb, 6"W x 18"D	256	LF	\$ 20.00	\$ 5,120.00
	Underdrain System	695	LF	\$ 45.00	\$ 31,275.00
	Engineered Wood Fiber, 12" depth	265	CY	\$ 85.00	\$ 22,525.00
8	Outdoor Concrete Cornhole Set				\$ 1,150.00
9	Fitness Stations, 5 Total				\$ 26,575.00
	Excavation, 12" Depth	15	CY	\$ 20.00	\$ 300.00
	Fitness Equipment	1	Lump Sum	\$ 25,000.00	\$ 25,000.00
	Engineered Wood Fiber	15	CY	\$ 85.00	\$ 1,275.00
10	Picnic Shelter with Restrooms				\$ 201,173.00
	44' x 30' Picnic Shelter with (2) Single User Restrooms, Storage closet, and Vending Area	1	Lump Sum	\$ 179,205.00	\$ 179,205.00
	P.C. Concrete Pad 4"	1,692	SF	\$ 6.00	\$ 10,152.00
	4" Aggregate	188	SY	\$ 7.00	\$ 1,316.00
	Water, Sanitary and Electrical Connections	1	Lump Sum	\$ 10,500.00	\$ 10,500.00

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11	Concessions and Restroom Building				\$ 355,500.00
	25' x 40' Building with Concessions, Storage, and Multi-User Restrooms	1	Lump Sum	\$ 345,000.00	\$ 345,000.00
	Water, Sanitary and Electrical Connections	1	Lump Sum	\$ 10,500.00	\$ 10,500.00
12	Parks and Recreation Maintenance Building				\$ 480,000.00
	40' x 60' Maintenance and Storage Building, Office and Single User Restroom	1	Lump Sum	\$ 480,000.00	\$ 480,000.00

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Item No.	Description	Quantity	Unit	Unit Cost	Cost
13	Landscape Items				\$ 116,055.00
	Fine Grade and Seed w/ Straw Mulch	57,310	SF	\$ 0.50	\$ 28,655.00
	Shade Tree, 2.5" Caliper	40	Each	\$ 750.00	\$ 30,000.00
	Ornamental Tree, 6' Ht.	14	Each	\$ 450.00	\$ 6,300.00
	Shrubs and Perennial Plantings	4,300	SF	\$ 10.00	\$ 43,000.00
	Low Profile Native Grasses & Forbs	16,200	SF	\$ 0.50	\$ 8,100.00
14	Site Furnishings				\$ 63,400.00
	Trash Receptacles, Split liner with recycling and trash	12	Each	\$ 1,750.00	\$ 21,000.00
	Bike Rack	2	Each	\$ 700.00	\$ 1,400.00
	6' Bench with Back and Arms	20	Each	\$ 1,150.00	\$ 23,000.00
	Picnic Tables, 6' length, Plastisol coated	9	Each	\$ 2,000.00	\$ 18,000.00

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15 General Site / Infrastructure Items					\$ 1,589,975.00
	Concrete Sidewalks, 4"	10,820	SF	\$ 6.00	\$ 64,920.00
	Concrete Sidewalks, 6"	14,330	SF	\$ 8.00	\$ 114,640.00
	4" Aggregate Base for Concrete Sidewalks	2,795	SY	\$ 7.00	\$ 19,565.00
	Asphalt Multi-Use Trail, 8' Wide x 3" depth	1,600	SY	\$ 15.00	\$ 24,000.00
	Multi-Use Trail 6" Aggregate Base	1,600	SY	\$ 8.00	\$ 12,800.00
	Parking Lot, 4" HMA, 8" Aggregate Base, Striping, and Curb	1	Lump Sum	\$ 170,000.00	\$ 170,000.00
	Parking Lot Lighting	1	Lump Sum	\$ 150,000.00	\$ 150,000.00
	Sanitary	1	Lump Sum	\$ 47,500.00	\$ 47,500.00
	Storm	1	Lump Sum	\$ 333,700.00	\$ 333,700.00
	Water	1	Lump Sum	\$ 128,600.00	\$ 128,600.00
	Sports Field and Baseball Field Irrigation	1	Lump Sum	\$ 325,000.00	\$ 325,000.00
	Electrical	1	Lump Sum	\$ 100,000.00	\$ 100,000.00
	Earthwork (Basin)	350	CY	\$ 25.00	\$ 8,750.00
	Demolition	1	Lump Sum	\$ 90,500.00	\$ 90,500.00
Subtotal:					\$ 4,720,680.00
Contractor Contingency, 10%:					\$ 472,068.00
A/E Design Contingency, 15%:					\$ 708,102.00
Construction Schedule Contingency, 2 years, 8%:					\$ 377,654.40
Construction Estimate Total*:					\$ 6,278,504.40



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Questions?

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