



**Roll Call Number**

**Agenda Item Number**

**42**

DATE April 19, 2021

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON MACRAE PARK IMPROVEMENTS PHASE 3; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS MINTURN, INC., CLINTON M. RHOADS, PRESIDENT, \$2,932,177.50

WHEREAS, on March 8, 2021, under Roll Call No. 21-0353, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

MacRae Park Improvements Phase 3, 112019002

The improvement includes clearing & grubbing, pavement removal, grading, earthwork, storm sewer, storm intakes, Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) sidewalk, PCC pavement for parking areas, PCC curb & gutter, PCC median, segmental retaining wall, playground equipment, pre-engineered steel truss trail bridge and abutments, precast concrete boardwalk installation, prefabricated shelter installation, miscellaneous amenities, pavement markings, seeding and restoration, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 626-188/284, at MacRae Park, Des Moines, Iowa.

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are here by approved.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- Minturn, Inc., Brooklyn, IA Low Bid
- Caliber Concrete, LLC, Adair, IA
- Henkel Construction Company, Mason City, IA
- C.J. Moyna & Sons, LLC & Progressive Structures, LLC, A Joint Venture,
- Joiner Construction Company Inc., Plano, IA



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which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on April 6, 2021. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Minturn, Inc., Clinton M. Rhoads, President, 144 W. Front Street, Brooklyn, IA, 52211 in the amount of \$2,932,177.50, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project. **(Council Communication No. 21-181)**

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

*sl Kathleen Vanderpool*

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

**SLN**

Funding Source: 2021-2022 CIP, Page 75, MacRae Park Improvements, PK179, Being: \$750,000 Private, \$96,643 Iowa DNR REAP funds, \$652,908.50 G.O. Bonds Issued, \$350,000 G.O. Bonds to be Issued; transfer of \$100,000 G.O. Bonds Issued and \$982,626 GO Bonds to be Issued from Page Parks – 73, Park Infrastructure, PK175.



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COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
WESTERGAARD				
GRAY				
BOESEN				
VOSS				
MANDELBAUM				
GATTO				
TOTAL				
MOTION CARRIED			APPROVED	

I, P. Kay Cmelik, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

Mayor

City Clerk

TABULATED BY: L. Vaughan APPROVED BY: R. De Groot  
CHECKED BY: [Signature]

**CONTRACTOR'S BID TABULATION**  
PROJECT: MACRAE PARK IMPROVEMENTS PHASE 3

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		Minturn, Inc. Brooklyn, IA		Caliber Concrete, LLC Adair, IA		Henkel Construction Company Mason City, IA	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	CLEARING AND GRUBBING	10 EA	\$1,000.00	\$10,000.00	\$750.00	\$7,500.00	\$1,712.00	\$17,120.00	\$1,000.00	\$10,000.00
2	TOPSOIL, ON-SITE	2750 CY	\$20.00	\$55,000.00	\$20.00	\$55,000.00	\$26.80	\$73,700.00	\$25.00	\$68,750.00
3	TOPSOIL, OFF-SITE	100 CY	\$55.00	\$5,500.00	\$55.00	\$5,500.00	\$40.70	\$4,070.00	\$31.00	\$3,100.00
4	EXCAVATION, CLASS 13	3850 CY	\$18.00	\$69,300.00	\$16.50	\$63,525.00	\$6.40	\$24,640.00	\$10.50	\$40,425.00
5	SUBGRADE PREPARATION	8463 SY	\$4.00	\$33,852.00	\$4.00	\$33,852.00	\$3.20	\$27,081.60	\$2.75	\$23,273.25
6	SUBGRADE TREATMENT, CEMENT	100 TON	\$100.00	\$10,000.00	\$100.00	\$10,000.00	\$321.00	\$32,100.00	\$99.00	\$9,900.00
7	SUBBASE, MODIFIED SUBBASE, 4-INCH	1385 SY	\$10.00	\$13,850.00	\$10.50	\$14,542.50	\$9.10	\$12,603.50	\$9.25	\$12,811.25
8	SUBBASE, MODIFIED SUBBASE, 6-INCH	7220 SY	\$12.00	\$86,640.00	\$12.00	\$86,640.00	\$12.30	\$88,806.00	\$10.75	\$77,615.00
9	REMOVAL OF STRUCTURE, APRON	5 EA	\$750.00	\$3,750.00	\$500.00	\$2,500.00	\$379.90	\$1,899.50	\$940.00	\$4,700.00
10	STORM SEWER, TRENCHED, 12-INCH	73 LF	\$85.00	\$6,205.00	\$110.00	\$8,030.00	\$59.90	\$4,372.70	\$50.00	\$3,650.00
11	STORM SEWER, TRENCHED, 15-INCH	1038 LF	\$90.00	\$93,420.00	\$80.00	\$83,040.00	\$61.00	\$63,318.00	\$58.00	\$60,204.00
12	STORM SEWER, TRENCHED, 18-INCH	19 LF	\$100.00	\$1,900.00	\$175.00	\$3,325.00	\$100.60	\$1,911.40	\$63.00	\$1,197.00
13	STORM SEWER, TRENCHED, 24-INCH	165 LF	\$115.00	\$18,975.00	\$130.00	\$21,450.00	\$76.00	\$12,540.00	\$73.00	\$12,045.00
14	STORM SEWER, TRENCHED, HDPE, 6-INCH	132 LF	\$40.00	\$5,280.00	\$55.00	\$7,260.00	\$71.70	\$9,464.40	\$53.00	\$6,996.00
15	STORM SEWER, TRENCHED, HDPE, 8-INCH	150 LF	\$45.00	\$6,750.00	\$77.50	\$11,625.00	\$72.80	\$10,920.00	\$55.00	\$8,250.00
16	REMOVAL OF STORM SEWER, LESS THAN 36-INCH	328 LF	\$25.00	\$8,200.00	\$20.00	\$6,560.00	\$21.40	\$7,019.20	\$58.00	\$19,024.00
17	PIPE APRON, RCP, 15-INCH	4 EA	\$5,000.00	\$20,000.00	\$2,500.00	\$10,000.00	\$1,872.50	\$7,490.00	\$2,400.00	\$9,600.00
18	PIPE APRON, RCP, 18-INCH	1 EA	\$6,000.00	\$6,000.00	\$3,000.00	\$3,000.00	\$1,979.50	\$1,979.50	\$3,100.00	\$3,100.00
19	PIPE APRON, RCP, 24-INCH	2 EA	\$7,500.00	\$15,000.00	\$3,200.00	\$6,400.00	\$2,412.90	\$4,825.80	\$3,400.00	\$6,800.00
20	SUBDRAIN, PERFORATED PVC, 4-INCH	2665 LF	\$25.00	\$66,625.00	\$26.00	\$69,290.00	\$23.50	\$62,627.50	\$28.00	\$74,620.00
21	FRENCH DRAIN, PERFORATED PVC, 4-INCH	205 LF	\$30.00	\$6,150.00	\$38.00	\$7,790.00	\$35.30	\$7,236.50	\$44.00	\$9,020.00
22	SUBDRAIN CLEANOUT, 6", TYPE A	18 EA	\$750.00	\$13,500.00	\$450.00	\$8,100.00	\$556.40	\$10,015.20	\$600.00	\$10,800.00
23	SUBDRAIN OUTLETS AND CONNECTIONS, 4-INCH	10 EA	\$750.00	\$7,500.00	\$650.00	\$6,500.00	\$401.30	\$4,013.00	\$600.00	\$6,000.00
24	STORM MANHOLE, SW-401, 48-INCH	4 EA	\$2,500.00	\$10,000.00	\$6,000.00	\$24,000.00	\$3,809.20	\$15,236.80	\$4,000.00	\$16,000.00
25	INTAKE, SW-505	14 EA	\$5,500.00	\$77,000.00	\$5,500.00	\$77,000.00	\$5,494.50	\$76,923.00	\$4,500.00	\$63,000.00
26	INTAKE, SW-512, 24-INCH	3 EA	\$2,500.00	\$7,500.00	\$4,000.00	\$12,000.00	\$2,621.50	\$7,864.50	\$2,700.00	\$8,100.00
27	INTAKE, SW-513	1 EA	\$7,000.00	\$7,000.00	\$5,000.00	\$5,000.00	\$4,226.50	\$4,226.50	\$2,700.00	\$2,700.00
28	NYLOPLAST DRAIN BASIN, 12-INCH	1 EA	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$1,824.40	\$1,824.40	\$1,800.00	\$1,800.00
29	NYLOPLAST DRAIN BASIN, 18-INCH	1 EA	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00	\$3,103.00	\$3,103.00	\$2,800.00	\$2,800.00
30	MANHOLE ADJUSTMENT, MAJOR	3 EA	\$2,000.00	\$6,000.00	\$2,100.00	\$6,300.00	\$1,712.00	\$5,136.00	\$2,300.00	\$6,900.00
31	INTAKE ADJUSTMENT, MAJOR	1 EA	\$2,000.00	\$2,000.00	\$2,100.00	\$2,100.00	\$2,354.00	\$2,354.00	\$2,900.00	\$2,900.00
32	REMOVE MANHOLE	1 EA	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00	\$428.00	\$428.00	\$1,200.00	\$1,200.00
33	REMOVE INTAKE	9 EA	\$1,000.00	\$9,000.00	\$1,100.00	\$9,900.00	\$428.00	\$3,852.00	\$1,200.00	\$10,800.00
34	PAVEMENT, PCC, 6-INCH	778 SY	\$70.00	\$54,460.00	\$50.00	\$38,900.00	\$46.00	\$35,788.00	\$41.94	\$32,629.32
35	CURB AND GUTTER, 1.5', 6-INCH	4517 LF	\$40.00	\$180,680.00	\$28.00	\$126,476.00	\$22.70	\$102,535.90	\$25.60	\$115,635.20
36	CONCRETE MEDIAN	887 LF	\$70.00	\$62,090.00	\$40.00	\$35,480.00	\$26.30	\$23,328.10	\$35.23	\$31,249.01
37	HMA ST SURFACE, 1/2" MIX, NO FRIC, PG 58-28S	428 TON	\$95.00	\$40,660.00	\$90.00	\$38,520.00	\$87.70	\$37,535.60	\$84.00	\$35,952.00
38	HMA ST BASE, 3/4" MIX, NO FRIC, PG 58-28S	856 TON	\$95.00	\$81,320.00	\$90.00	\$77,040.00	\$81.30	\$69,592.80	\$82.00	\$70,192.00
39	REMOVAL OF SIDEWALK	578 SY	\$15.00	\$8,670.00	\$11.00	\$6,358.00	\$9.00	\$5,202.00	\$12.50	\$7,225.00
40	TRAIL, PCC, 5-INCH	1090 SY	\$75.00	\$81,750.00	\$40.00	\$43,600.00	\$57.40	\$62,566.00	\$37.35	\$40,711.50
41	SIDEWALK, PCC, 5-INCH, CLASS A	1780 SY	\$70.00	\$124,600.00	\$50.00	\$89,000.00	\$57.40	\$102,172.00	\$43.38	\$77,216.40
42	SIDEWALK, PCC, 6-INCH, CLASS A	293 SY	\$72.00	\$21,096.00	\$55.00	\$16,115.00	\$60.80	\$17,814.40	\$47.10	\$13,800.30
43	DETECTABLE WARNING	171 SF	\$50.00	\$8,550.00	\$55.00	\$9,405.00	\$50.00	\$8,550.00	\$50.00	\$8,550.00
44	PAVEMENT REMOVAL, ROADWAY	7351 SY	\$15.00	\$110,265.00	\$13.00	\$95,563.00	\$4.90	\$36,019.90	\$4.58	\$33,667.58
45	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	12.59 STA	\$150.00	\$1,888.50	\$150.00	\$1,888.50	\$255.00	\$3,210.45	\$150.04	\$1,889.00
46	PAINTED SYMBOLS AND LEGENDS	33 EA	\$250.00	\$8,250.00	\$135.00	\$4,455.00	\$144.50	\$4,768.50	\$135.00	\$4,455.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
47	TYPE A SIGN, SHEET ALUMINUM	98.5 SF	\$25.00	\$2,462.50	\$25.00	\$2,462.50	\$25.00	\$2,462.50	\$23.12	\$2,277.32
48	BREAKAWAY SIGN POSTS	23 EA	\$150.00	\$3,450.00	\$200.00	\$4,600.00	\$250.00	\$5,750.00	\$148.00	\$3,404.00
49	CONVENTIONAL SEED MIX, SEEDING AND FERTILIZING (TYPE 1)	1.8 AC	\$4,000.00	\$7,200.00	\$850.00	\$1,530.00	\$1,605.00	\$2,889.00	\$1,500.00	\$2,700.00
50	NATIVE SEED MIX, SEEDING AND FERTILIZING	1.1 AC	\$6,500.00	\$7,150.00	\$350.00	\$385.00	\$1,765.50	\$1,942.05	\$2,750.00	\$3,025.00
51	MESIC SEED MIX, SEEDING AND FERTILIZING	0.4 AC	\$6,500.00	\$2,600.00	\$1,300.00	\$520.00	\$2,033.00	\$813.20	\$2,750.00	\$1,100.00
52	SOD	15 SQ	\$80.00	\$1,200.00	\$150.00	\$2,250.00	\$58.90	\$883.50	\$150.00	\$2,250.00
53	STORMWATER POLLUTION PREVENTION	1 LS	\$4,000.00	\$4,000.00	\$6,000.00	\$6,000.00	\$5,408.00	\$5,408.00	\$6,000.00	\$6,000.00
54	FILTER SOCK, INSTALL, MAINTAIN, AND REMOVE	2391 LF	\$3.50	\$8,368.50	\$2.50	\$5,977.50	\$3.20	\$7,651.20	\$2.00	\$4,782.00
55	TEMPORARY RECP, TYPE 2C	35 SQ	\$150.00	\$5,250.00	\$25.00	\$875.00	\$23.50	\$822.50	\$20.00	\$700.00
56	CHECK DAM, ROCK	30 TON	\$100.00	\$3,000.00	\$70.00	\$2,100.00	\$58.90	\$1,767.00	\$123.00	\$3,690.00
57	RIP RAP, CLASS A	205 TON	\$75.00	\$15,375.00	\$80.00	\$16,400.00	\$66.30	\$13,591.50	\$69.00	\$14,145.00
58	RIP RAP, CLASS E	64 TON	\$75.00	\$4,800.00	\$150.00	\$9,600.00	\$69.60	\$4,454.40	\$68.00	\$4,352.00
59	SILT FENCE OR SILT FENCE DITCH CHECK	4650 LF	\$3.00	\$13,950.00	\$1.75	\$8,137.50	\$1.80	\$8,370.00	\$1.50	\$6,975.00
60	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	4650 LF	\$1.50	\$6,975.00	\$0.25	\$1,162.50	\$0.10	\$465.00	\$0.05	\$232.50
61	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	4650 LF	\$1.00	\$4,650.00	\$0.25	\$1,162.50	\$0.40	\$1,860.00	\$0.05	\$232.50
62	EROSION CONTROL MULCHING, HYDROMULCHING	2.9 AC	\$2,500.00	\$7,250.00	\$2,000.00	\$5,800.00	\$2,568.00	\$7,447.20	\$2,400.00	\$6,960.00
63	INLET PROTECTION DEVICE, INSTALL AND REMOVE	19 EA	\$100.00	\$1,900.00	\$175.00	\$3,325.00	\$214.00	\$4,066.00	\$200.00	\$3,800.00
64	SEGMENTAL RETAINING WALL	2156 SF	\$40.00	\$86,240.00	\$60.00	\$129,360.00	\$44.90	\$96,804.40	\$42.00	\$90,552.00
65	CONCRETE STEPS, TYPE A	256 SF	\$65.00	\$16,640.00	\$65.00	\$16,640.00	\$42.50	\$10,880.00	\$65.00	\$16,640.00
66	HANDRAIL, GALVANIZED	46 LF	\$140.00	\$6,440.00	\$140.00	\$6,440.00	\$150.00	\$6,900.00	\$110.98	\$5,105.08
67	CONSTRUCTION SURVEY	1 LS	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$22,400.00	\$22,400.00
68	MOBILIZATION	1 LS	\$200,152.50	\$200,152.50	\$100,000.00	\$100,000.00	\$221,012.00	\$221,012.00	\$663,182.00	\$663,182.00
69	TRAFFIC CONTROL	1 LS	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00	\$16,778.00	\$16,778.00
70	HYDRODYNAMIC SEPERATOR	3 EA	\$10,000.00	\$30,000.00	\$11,500.00	\$34,500.00	\$8,132.00	\$24,396.00	\$12,200.00	\$36,600.00
71	REINFORCED TURF PAVING	130 SY	\$300.00	\$39,000.00	\$350.00	\$45,500.00	\$69.60	\$9,048.00	\$65.00	\$8,450.00
72	CONCRETE WASHOUT	1 LS	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,250.00	\$3,250.00	\$6,635.00	\$6,635.00
73	LIMESTONE BLOCK FOR SPRAY FEATURE	4 EA	\$1,000.00	\$4,000.00	\$2,000.00	\$8,000.00	\$1,605.00	\$6,420.00	\$1,500.00	\$6,000.00
74	LIMESTONE BENCH, 4' LENGTH	4 EA	\$1,300.00	\$5,200.00	\$1,800.00	\$7,200.00	\$1,498.00	\$5,992.00	\$755.00	\$3,020.00
75	POURED-IN-PLACE PCC WALL	150 SF	\$150.00	\$22,500.00	\$150.00	\$22,500.00	\$216.00	\$32,400.00	\$130.00	\$19,500.00
76	OUTCROPPING BOULDER WALL	2009 SF	\$55.00	\$110,495.00	\$60.00	\$120,540.00	\$104.90	\$210,744.10	\$98.00	\$196,882.00
77	WATER PLAY WALL	100 SF	\$65.00	\$6,500.00	\$90.00	\$9,000.00	\$128.40	\$12,840.00	\$120.00	\$12,000.00
78	CONCRETE WATERFALL BOX	1 LS	\$4,500.00	\$4,500.00	\$8,500.00	\$8,500.00	\$11,000.00	\$11,000.00	\$950.00	\$950.00
79	PCC PAVEMENT, 6 IN, REINFORCED (WATER PLAY AREA)	138 SY	\$100.00	\$13,800.00	\$120.00	\$16,560.00	\$111.60	\$15,400.80	\$75.00	\$10,350.00
80	PCC PAVEMENT, 6 IN, REINFORCED (SHELTER SLAB)	181 SY	\$70.00	\$12,670.00	\$110.00	\$19,910.00	\$57.70	\$10,443.70	\$75.00	\$13,575.00
81	OUTCROPPING BOULDER	4 TON	\$300.00	\$1,200.00	\$800.00	\$3,200.00	\$449.40	\$1,797.60	\$420.00	\$1,680.00
82	LIMESTONE OUTFALL	6 TON	\$300.00	\$1,800.00	\$425.00	\$2,550.00	\$567.10	\$3,402.60	\$530.00	\$3,180.00
83	PRECAST CONCRETE CAVE	1 LS	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$5,350.00	\$5,350.00	\$5,000.00	\$5,000.00
84	PLAY SAND	17 CY	\$65.00	\$1,105.00	\$130.00	\$2,210.00	\$165.90	\$2,820.30	\$155.00	\$2,635.00
85	SHELTER	1 LS	\$85,000.00	\$85,000.00	\$70,000.00	\$70,000.00	\$47,510.00	\$47,510.00	\$47,950.00	\$47,950.00
86	ODDLE SWING	1 LS	\$9,000.00	\$9,000.00	\$9,000.00	\$9,000.00	\$6,015.00	\$6,015.00	\$6,215.00	\$6,215.00
87	BBQ GRILL	1 EA	\$800.00	\$800.00	\$1,350.00	\$1,350.00	\$450.00	\$450.00	\$394.00	\$394.00
88	WATER SPRAY FEATURES, FURNISH AND INSTALL	1 LS	\$25,000.00	\$25,000.00	\$34,000.00	\$34,000.00	\$36,052.00	\$36,052.00	\$28,750.00	\$28,750.00
89	WATER PLAY EQUIPMENT, FURNISH AND INSTALL	1 LS	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00	\$20,012.00	\$20,012.00	\$17,250.00	\$17,250.00
90	SAND PLAY EQUIPMENT, FURNISH AND INSTALL	1 LS	\$10,000.00	\$10,000.00	\$3,000.00	\$3,000.00	\$3,400.00	\$3,400.00	\$2,900.00	\$2,900.00
91	GRAB BAR, FURNISH AND INSTALL	2 EA	\$100.00	\$200.00	\$230.00	\$460.00	\$2,000.00	\$4,000.00	\$300.00	\$600.00
92	DRINKING FOUNTAIN W/ FOOTWASH STATION	1 LS	\$8,500.00	\$8,500.00	\$9,200.00	\$9,200.00	\$10,000.00	\$10,000.00	\$2,539.00	\$2,539.00
93	ENGINEERED WOOD FIBER MULCH	164 CY	\$75.00	\$12,300.00	\$105.00	\$17,220.00	\$83.50	\$13,694.00	\$67.50	\$11,070.00
94	CONCRETE RUNNEL	25 SY	\$200.00	\$5,000.00	\$350.00	\$8,750.00	\$282.00	\$7,050.00	\$230.00	\$5,750.00
95	FLEXIBLE BOLLARD	2 EA	\$250.00	\$500.00	\$200.00	\$400.00	\$250.00	\$500.00	\$287.50	\$575.00
96	BENCH	3 EA	\$2,000.00	\$6,000.00	\$2,200.00	\$6,600.00	\$5,981.00	\$17,943.00	\$1,735.33	\$5,205.99
97	BACKLESS BENCH	2 EA	\$2,000.00	\$4,000.00	\$1,750.00	\$3,500.00	\$3,235.00	\$6,470.00	\$1,342.50	\$2,685.00
98	TRASH RECEPTACLE	3 EA	\$1,750.00	\$5,250.00	\$3,200.00	\$9,600.00	\$8,314.00	\$24,942.00	\$2,488.00	\$7,464.00
99	BIKE RACK	6 EA	\$750.00	\$4,500.00	\$300.00	\$1,800.00	\$200.00	\$1,200.00	\$188.00	\$1,128.00
100	PICNIC TABLE	4 EA	\$1,500.00	\$6,000.00	\$1,000.00	\$4,000.00	\$1,500.00	\$6,000.00	\$1,725.00	\$6,900.00
101	TREE PROTECTION FENCE	1150 LF	\$3.00	\$3,450.00	\$3.50	\$4,025.00	\$5.00	\$5,750.00	\$5.75	\$6,612.50
102	TREE TRUNK PROTECTION	37 EA	\$200.00	\$7,400.00	\$150.00	\$5,550.00	\$150.00	\$5,550.00	\$325.00	\$12,025.00
103	TREE ROOT TREATMENT	1 LS	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$5,350.00	\$5,350.00	\$5,000.00	\$5,000.00

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
104	LIMESTONE EDGING	260 LF	\$30.00	\$7,800.00	\$20.00	\$5,200.00	\$25.20	\$6,552.00	\$23.50	\$6,110.00	
105	RESTROOM, CONCRETE STOOP	1 LS	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$1,028.00	\$1,028.00	\$2,500.00	\$2,500.00	
106	REMOVE & SALVAGE SIGN	1 LS	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$2,000.00	\$2,000.00	\$2,500.00	\$2,500.00	
107	TRENCH DRAIN, WATER PLAY AREA	33 LF	\$100.00	\$3,300.00	\$115.00	\$3,795.00	\$100.00	\$3,300.00	\$69.21	\$2,283.93	
108	MISC MECHANICAL & PLUMBING	1 LS	\$10,000.00	\$10,000.00	\$17,000.00	\$17,000.00	\$15,000.00	\$15,000.00	\$11,500.00	\$11,500.00	
109	ELECTRICAL CONNECTIONS AND CIRCUITRY	1 LS	\$17,000.00	\$17,000.00	\$35,000.00	\$35,000.00	\$42,800.00	\$42,800.00	\$34,884.00	\$34,884.00	
110	PRE-CAST CONCRETE BOARDWALK	1 LS	\$460,000.00	\$460,000.00	\$442,500.00	\$442,500.00	\$535,000.00	\$535,000.00	\$541,000.00	\$541,000.00	
111	BOARDWALK RAILING (CUSTOM EMC OVERLOOK STYLE)	580 LF	\$150.00	\$87,000.00	\$140.00	\$81,200.00	\$160.50	\$93,090.00	\$138.63	\$80,405.40	
112	PEDESTRIAN BRIDGE, WEATHERING STEEL	1 LS	\$190,000.00	\$190,000.00	\$185,000.00	\$185,000.00	\$240,750.00	\$240,750.00	\$157,400.00	\$157,400.00	
113	PCC PIER FOUNDATIONS, SHELTER	6 EA	\$2,500.00	\$15,000.00	\$2,500.00	\$15,000.00	\$400.00	\$2,400.00	\$1,166.67	\$7,000.02	
TOTAL CONSTRUCTION COST					\$3,200,000.00		\$2,932,177.50		\$3,087,638.20		\$3,295,589.05
PERCENT OF ENGINEER'S ESTIMATE							-8.37%		-3.51%		+2.99%
							Low				



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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
47	TYPE A SIGN, SHEET ALUMINUM	98.5 SF	\$25.00	\$2,462.50	\$45.00	\$4,432.50	\$33.00	\$3,250.50
48	BREAKAWAY SIGN POSTS	23 EA	\$150.00	\$3,450.00	\$200.00	\$4,600.00	\$190.00	\$4,370.00
49	CONVENTIONAL SEED MIX, SEEDING AND FERTILIZING (TYPE 1)	1.8 AC	\$4,000.00	\$7,200.00	\$1,800.00	\$3,240.00	\$6,050.00	\$10,890.00
50	NATIVE SEED MIX, SEEDING AND FERTILIZING	1.1 AC	\$6,500.00	\$7,150.00	\$2,300.00	\$2,530.00	\$7,150.00	\$7,865.00
51	MESIC SEED MIX, SEEDING AND FERTILIZING	0.4 AC	\$6,500.00	\$2,600.00	\$2,900.00	\$1,160.00	\$7,150.00	\$2,860.00
52	SOD	15 SQ	\$80.00	\$1,200.00	\$180.00	\$2,700.00	\$88.00	\$1,320.00
53	STORMWATER POLLUTION PREVENTION	1 LS	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$16,500.00	\$16,500.00
54	FILTER SOCK, INSTALL, MAINTAIN, AND REMOVE	2391 LF	\$3.50	\$8,368.50	\$3.00	\$7,173.00	\$4.00	\$9,564.00
55	TEMPORARY RECP, TYPE 2C	35 SQ	\$150.00	\$5,250.00	\$25.00	\$875.00	\$165.00	\$5,775.00
56	CHECK DAM, ROCK	30 TON	\$100.00	\$3,000.00	\$90.00	\$2,700.00	\$110.00	\$3,300.00
57	RIP RAP, CLASS A	205 TON	\$75.00	\$15,375.00	\$80.00	\$16,400.00	\$80.00	\$16,400.00
58	RIP RAP, CLASS E	64 TON	\$75.00	\$4,800.00	\$110.00	\$7,040.00	\$80.00	\$5,120.00
59	SILT FENCE OR SILT FENCE DITCH CHECK	4650 LF	\$3.00	\$13,950.00	\$2.00	\$9,300.00	\$3.00	\$13,950.00
60	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	4650 LF	\$1.50	\$6,975.00	\$0.10	\$465.00	\$2.00	\$9,300.00
61	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	4650 LF	\$1.00	\$4,650.00	\$0.25	\$1,162.50	\$1.00	\$4,650.00
62	EROSION CONTROL MULCHING, HYDROMULCHING	2.9 AC	\$2,500.00	\$7,250.00	\$2,000.00	\$5,800.00	\$3,850.00	\$11,165.00
63	INLET PROTECTION DEVICE, INSTALL AND REMOVE	19 EA	\$100.00	\$1,900.00	\$150.00	\$2,850.00	\$110.00	\$2,090.00
64	SEGMENTAL RETAINING WALL	2156 SF	\$40.00	\$86,240.00	\$70.00	\$150,920.00	\$55.00	\$118,580.00
65	CONCRETE STEPS, TYPE A	256 SF	\$65.00	\$16,640.00	\$120.00	\$30,720.00	\$88.00	\$22,528.00
66	HANDRAIL, GALVANIZED	46 LF	\$140.00	\$6,440.00	\$150.00	\$6,900.00	\$154.00	\$7,084.00
67	CONSTRUCTION SURVEY	1 LS	\$40,000.00	\$40,000.00	\$40,000.00	\$40,000.00	\$44,000.00	\$44,000.00
68	MOBILIZATION	1 LS	\$200,152.50	\$200,152.50	\$340,000.00	\$340,000.00	\$247,500.00	\$247,500.00
69	TRAFFIC CONTROL	1 LS	\$7,500.00	\$7,500.00	\$32,000.00	\$32,000.00	\$13,200.00	\$13,200.00
70	HYDRODYNAMIC SEPERATOR	3 EA	\$10,000.00	\$30,000.00	\$1,800.00	\$5,400.00	\$14,300.00	\$42,900.00
71	REINFORCED TURF PAVING	130 SY	\$300.00	\$39,000.00	\$90.00	\$11,700.00	\$330.00	\$42,900.00
72	CONCRETE WASHOUT	1 LS	\$3,000.00	\$3,000.00	\$7,500.00	\$7,500.00	\$5,500.00	\$5,500.00
73	LIMESTONE BLOCK FOR SPRAY FEATURE	4 EA	\$1,000.00	\$4,000.00	\$2,000.00	\$8,000.00	\$1,650.00	\$6,600.00
74	LIMESTONE BENCH, 4' LENGTH	4 EA	\$1,300.00	\$5,200.00	\$1,500.00	\$6,000.00	\$1,650.00	\$6,600.00
75	POURED-IN-PLACE PCC WALL	150 SF	\$150.00	\$22,500.00	\$185.00	\$27,750.00	\$220.00	\$33,000.00
76	OUTCROPPING BOULDER WALL	2009 SF	\$55.00	\$110,495.00	\$57.00	\$114,513.00	\$110.00	\$220,990.00
77	WATER PLAY WALL	100 SF	\$65.00	\$6,500.00	\$185.00	\$18,500.00	\$132.00	\$13,200.00
78	CONCRETE WATERFALL BOX	1 LS	\$4,500.00	\$4,500.00	\$7,000.00	\$7,000.00	\$7,150.00	\$7,150.00
79	PCC PAVEMENT, 6 IN, REINFORCED (WATER PLAY AREA)	138 SY	\$100.00	\$13,800.00	\$120.00	\$16,560.00	\$110.00	\$15,180.00
80	PCC PAVEMENT, 6 IN, REINFORCED (SHELTER SLAB)	181 SY	\$70.00	\$12,670.00	\$100.00	\$18,100.00	\$77.00	\$13,937.00
81	OUTCROPPING BOULDER	4 TON	\$300.00	\$1,200.00	\$350.00	\$1,400.00	\$770.00	\$3,080.00
82	LIMESTONE OUTFALL	6 TON	\$300.00	\$1,800.00	\$850.00	\$5,100.00	\$880.00	\$5,280.00
83	PRECAST CONCRETE CAVE	1 LS	\$4,000.00	\$4,000.00	\$3,800.00	\$3,800.00	\$6,050.00	\$6,050.00
84	PLAY SAND	17 CY	\$65.00	\$1,105.00	\$90.00	\$1,530.00	\$275.00	\$4,675.00
85	SHELTER	1 LS	\$85,000.00	\$85,000.00	\$45,000.00	\$45,000.00	\$110,000.00	\$110,000.00
86	OODLE SWING	1 LS	\$9,000.00	\$9,000.00	\$14,000.00	\$14,000.00	\$14,850.00	\$14,850.00
87	BBQ GRILL	1 EA	\$800.00	\$800.00	\$3,500.00	\$3,500.00	\$1,100.00	\$1,100.00
88	WATER SPRAY FEATURES, FURNISH AND INSTALL	1 LS	\$25,000.00	\$25,000.00	\$8,500.00	\$8,500.00	\$33,000.00	\$33,000.00
89	WATER PLAY EQUIPMENT, FURNISH AND INSTALL	1 LS	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$22,000.00	\$22,000.00
90	SAND PLAY EQUIPMENT, FURNISH AND INSTALL	1 LS	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00	\$17,050.00	\$17,050.00
91	GRAB BAR, FURNISH AND INSTALL	2 EA	\$100.00	\$200.00	\$500.00	\$1,000.00	\$165.00	\$330.00
92	DRINKING FOUNTAIN W/ FOOTWASH STATION	1 LS	\$8,500.00	\$8,500.00	\$3,500.00	\$3,500.00	\$11,000.00	\$11,000.00
93	ENGINEERED WOOD FIBER MULCH	164 CY	\$75.00	\$12,300.00	\$90.00	\$14,760.00	\$88.00	\$14,432.00
94	CONCRETE RUNNEL	25 SY	\$200.00	\$5,000.00	\$300.00	\$7,500.00	\$275.00	\$6,875.00
95	FLEXIBLE BOLLARD	2 EA	\$250.00	\$500.00	\$1,500.00	\$3,000.00	\$275.00	\$550.00
96	BENCH	3 EA	\$2,000.00	\$6,000.00	\$1,800.00	\$5,400.00	\$2,200.00	\$6,600.00
97	BACKLESS BENCH	2 EA	\$2,000.00	\$4,000.00	\$1,500.00	\$3,000.00	\$2,200.00	\$4,400.00
98	TRASH RECEPTACLE	3 EA	\$1,750.00	\$5,250.00	\$1,800.00	\$5,400.00	\$2,200.00	\$6,600.00
99	BIKE RACK	6 EA	\$750.00	\$4,500.00	\$3,500.00	\$21,000.00	\$1,100.00	\$6,600.00
100	PICNIC TABLE	4 EA	\$1,500.00	\$6,000.00	\$1,000.00	\$4,000.00	\$2,200.00	\$8,800.00
101	TREE PROTECTION FENCE	1150 LF	\$3.00	\$3,450.00	\$3.00	\$3,450.00	\$7.00	\$8,050.00
102	TREE TRUNK PROTECTION	37 EA	\$200.00	\$7,400.00	\$300.00	\$11,100.00	\$440.00	\$16,280.00
103	TREE ROOT TREATMENT	1 LS	\$6,000.00	\$6,000.00	\$6,500.00	\$6,500.00	\$7,150.00	\$7,150.00



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<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>		<u>UNIT</u>		<u>UNIT</u>	
			<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>PRICE</u>	<u>AMOUNT</u>
104	LIMESTONE EDGING	260 LF	\$30.00	\$7,800.00	\$34.00	\$8,840.00	\$33.00	\$8,580.00
105	RESTROOM, CONCRETE STOOP	1 LS	\$3,000.00	\$3,000.00	\$1,500.00	\$1,500.00	\$3,300.00	\$3,300.00
106	REMOVE & SALVAGE SIGN	1 LS	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$6,050.00	\$6,050.00
107	TRENCH DRAIN, WATER PLAY AREA	33 LF	\$100.00	\$3,300.00	\$600.00	\$19,800.00	\$165.00	\$5,445.00
108	MISC MECHANICAL & PLUMBING	1 LS	\$10,000.00	\$10,000.00	\$50,000.00	\$50,000.00	\$13,750.00	\$13,750.00
109	ELECTRICAL CONNECTIONS AND CIRCUITRY	1 LS	\$17,000.00	\$17,000.00	\$38,000.00	\$38,000.00	\$22,000.00	\$22,000.00
110	PRE-CAST CONCRETE BOARDWALK	1 LS	\$460,000.00	\$460,000.00	\$650,000.00	\$650,000.00	\$522,500.00	\$522,500.00
111	BOARDWALK RAILING (CUSTOM EMC OVERLOOK STYLE)	580 LF	\$150.00	\$87,000.00	\$180.00	\$104,400.00	\$165.00	\$95,700.00
112	PEDESTRIAN BRIDGE, WEATHERING STEEL	1 LS	\$190,000.00	\$190,000.00	\$225,000.00	\$225,000.00	\$220,000.00	\$220,000.00
113	PCC PIER FOUNDATIONS, SHELTER	6 EA	\$2,500.00	\$15,000.00	\$4,000.00	\$24,000.00	\$3,300.00	\$19,800.00
TOTAL CONSTRUCTION COST					\$3,200,000.00		\$3,574,597.00	\$3,877,364.85
PERCENT OF ENGINEER'S ESTIMATE							+11.71%	+21.17%