



Date April 10, 2023

**ORDERING CONSTRUCTION OF
CARLISLE MULTI-USE TRAIL CONNECTION
AND FIXING A DATE FOR RECEIVING OF BIDS ON APRIL 18, 2023
AND PUBLIC HEARING ON MAY 08, 2023
ENGINEER'S ESTIMATE IS \$2,833,501.05**

WHEREAS, this Council deems it advisable and necessary to construct the below referenced improvement, all in accordance with the plans and specifications, and has caused to be prepared plans, specifications, and form of contract, together with estimate of cost, which are now on file in the City Engineer's Office, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa 50309, for public inspection for the construction of said improvements, and said plans, specifications and form of contract are deemed suitable for the making of said improvement, for which the State of Iowa Department of Transportation (IDOT) and the City of Des Moines, (CITY) have an agreement, previously approved by this Council, under which the IDOT has agreed to advertise, receive, open and tabulate sealed bids, and

WHEREAS, before said plans, specifications, form of contract, and estimated cost of the improvement may be approved, and contract for the construction of the improvement entered into, it is necessary to hold a public hearing.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost for the construction of the following improvement:

Carlisle Multi-Use Trail Connection, 112020009
TAP-T-1945(863)-8V-77
RT-1945(867)-9H-77
REAP

The improvement includes clearing & grubbing, earthwork, grading, placement of a 6-inch thick Portland Cement Concrete (PCC) trail, subbase, reinforced concrete pedestrian tunnel, storm sewer, PCC driveways, traffic control, restoration, seeding, and miscellaneous associated work to complete the project; all in accordance with the contract documents, including Plan File No. 653-122/295, from the Easter Lake Spline Trail, Des Moines, Iowa to the City of Carlisle Nature Trail, Carlisle, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$2,833,501.05. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.



Date April 10, 2023

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on May 08, 2023, at which time this Council will consider any objections offered thereto or to the making of said improvement.

BE IT FURTHER RESOLVED: That proposals will be received by the Iowa Department of Transportation, for the construction of said improvements, and the taking of bids in the manner required by law. Proposals received will be opened and tabulated by the Iowa Department of Transportation on April 18, 2023, after which the bids together with a report and recommendation of the Chief Civil Engineer, will be presented to City Council at its next meeting for action thereon.

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(Council Communication No. 23-179)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN_{pv}

Funding Source: 2023-24 CIP, 92, Carlisle Trail Connection, PK190, \$1,400,000 maximum in Federal funds from Transportation Alternative Program (TAP) for 80% eligible construction costs only under IDOT Project No. TAP-T-1945(863)--8V-77, and \$400,000 in State Recreation Trail Grant State Project No. RT-1945(867)--9H-77; \$290,914 Iowa DNR REAP Grant, Agreement 20-R4-GZ; \$50,000 from the Citywide Storm Water Utility Projects SM057, and the remaining \$692,587.05 from Local Option Sales and Services Tax

6A

Date April 10, 2023

| COUNCIL ACTION | Yeas | Nays | Pass | Absent |
|----------------|------|------|----------|--------|
| COWNIE | | | | |
| BOESEN | | | | |
| GATTO | | | | |
| MANDELBAUM | | | | |
| SHEUMAKER | | | | |
| VOSS | | | | |
| WESTERGAARD | | | | |
| TOTAL | | | | |
| MOTION CARRIED | | | APPROVED | |
| _____ | | | Mayor | |

CERTIFICATE

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, 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.

_____ City Clerk

CONSTRUCTION ESTIMATE

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DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 11-2020-009
IDOT PROJECT NO. TAP-T-1945(863)--9G-77
DATE: 1/17/23

PROJECT: CARLISLE MULTI-USE TRAIL CONNECTION

| NO. | ITEM CODE | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|------|--------------|--|-----------------|--------|-------------|--------------|
| | | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 0001 | 2101-0850001 | Clearing and Grubbing | ACRE | 4.8 | \$10,000.00 | \$48,000.00 |
| 0002 | 2102-0425071 | Special Backfill | CY | 5000 | \$30.00 | \$150,000.00 |
| 0003 | 2102-2625001 | Embankment-In-Place, Contractor Furnished | CY | 3007 | \$25.00 | \$75,175.00 |
| 0004 | 2102-2710070 | Excavation, Class 10, Roadway and Borrow | CY | 15654 | \$9.00 | \$140,886.00 |
| 0005 | 2105-8425015 | Topsoil, Strip, Salvage and Spread | CY | 9384 | \$10.00 | \$93,840.00 |
| 0006 | 2107-0425020 | Compacting Backfill Adjacent to Bridges, Culverts or Structures | CY | 214.2 | \$30.00 | \$6,426.00 |
| 0007 | 2107-0875100 | Compaction With Moisture Control | CY | 555.2 | \$2.00 | \$1,110.40 |
| 0008 | 2110-8200000 | Construction of Soil Aggregate Subbase | MILE | 0.11 | \$20,000.00 | \$2,200.00 |
| 0009 | 2113-0001100 | Subgrade Stabilization Material, Polymer Grid | SY | 1910 | \$2.50 | \$4,775.00 |
| 0010 | 2123-7450020 | Shoulder Finishing, Earth | STA | 335 | \$165.00 | \$55,275.00 |
| 0011 | 2210-0475290 | Macadam Stone Base | TON | 490 | \$30.00 | \$14,700.00 |
| 0012 | 2312-8260051 | Granular Surfacing on Road, Class A Crushed Stone | TON | 60 | \$37.00 | \$2,220.00 |
| 0013 | 2401-6750001 | Removals, As Per Plan | LS | 1 | \$15,000.00 | \$15,000.00 |
| 0014 | 2402-0425040 | Flooded Backfill | CY | 187.73 | \$45.00 | \$8,447.85 |
| 0015 | 2402-2720000 | Excavation, Class 20 | CY | 2281 | \$35.00 | \$79,835.00 |
| 0016 | 2402-3825025 | Granular Material For Blanket | CY | 134.8 | \$85.00 | \$11,458.00 |
| 0017 | 2403-0100020 | Structural Concrete (RCB Culvert) | CY | 286.7 | \$775.00 | \$222,192.50 |
| 0018 | 2404-7775000 | Reinforcing Steel | LB | 43062 | \$2.25 | \$96,889.50 |
| 0019 | 2414-6444100 | Steel Pipe Pedestrian Hand Railing | LF | 80 | \$140.00 | \$11,200.00 |
| 0020 | 2416-0100015 | Aprons, Concrete, 15 In. Dia. | EA | 16 | \$1,200.00 | \$19,200.00 |
| 0021 | 2416-0100018 | Aprons, Concrete, 18 In. Dia. | EA | 12 | \$1,400.00 | \$16,800.00 |
| 0022 | 2416-0100024 | Aprons, Concrete, 24 In. Dia. | EA | 5 | \$1,800.00 | \$9,000.00 |
| 0023 | 2416-0100030 | Aprons, Concrete, 30 In. Dia. | EA | 4 | \$2,000.00 | \$8,000.00 |
| 0024 | 2416-0100042 | Aprons, Concrete, 42 In. Dia. | EA | 1 | \$3,500.00 | \$3,500.00 |
| 0025 | 2416-0100048 | Aprons, Concrete, 48 In. Dia. | EA | 4 | \$3,800.00 | \$15,200.00 |
| 0026 | 2416-1160015 | Culvert, Concrete Entrance Pipe, 15 In. Dia. | LF | 368 | \$120.00 | \$44,160.00 |
| 0027 | 2416-1160018 | Culvert, Concrete Entrance Pipe, 18 In. Dia. | LF | 140 | \$140.00 | \$19,600.00 |
| 0028 | 2416-1160024 | Culvert, Concrete Entrance Pipe, 24 In. Dia. | LF | 22 | \$130.00 | \$2,860.00 |
| 0029 | 2416-1160030 | Culvert, Concrete Entrance Pipe, 30 In. Dia. | LF | 44 | \$170.00 | \$7,480.00 |
| 0030 | 2416-1160048 | Culvert, Concrete Entrance Pipe, 48 In. Dia. | LF | 148 | \$167.00 | \$24,716.00 |
| 0031 | 2418-0000010 | Temporary Stream Diversion | EA | 1 | \$10,000.00 | \$10,000.00 |
| 0032 | 2435-0140148 | Manhole, Storm Sewer, SW-401, 48 In. | EA | 1 | \$5,500.00 | \$5,500.00 |
| 0033 | 2435-0140172 | Manhole, Storm Sewer, SW-401, 72 In. | EA | 1 | \$9,500.00 | \$9,500.00 |
| 0034 | 2435-0250100 | Intake, SW-501 | EA | 2 | \$4,500.00 | \$9,000.00 |
| 0035 | 2435-0251218 | Intake, SW-512, 18 In. | EA | 2 | \$3,500.00 | \$7,000.00 |
| 0036 | 2435-0251824 | Intake, SW-512, 24 In. | EA | 1 | \$4,000.00 | \$4,000.00 |
| 0037 | 2435-0600120 | Intake Adjustment, Major | EA | 1 | \$2,500.00 | \$2,500.00 |
| 0038 | 2501-8400172 | Temporary Shoring | LS | 1 | \$55,000.00 | \$55,000.00 |
| 0039 | 2502-8212208 | Subdrain, Perforated Plastic Pipe, 8 In. Dia. | LF | 655 | \$15.00 | \$9,825.00 |
| 0040 | 2502-8221305 | Subdrain Outlet, DR-305 | EA | 2 | \$1,000.00 | \$2,000.00 |
| 0041 | 2503-0114224 | Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), | LF | 280 | \$130.00 | \$36,400.00 |
| 0042 | 2503-0114242 | Storm Sewer Gravity Main, Trenched, Reinforced Concrete Pipe (RCP), 2000D (Class III), | LF | 84 | \$250.00 | \$21,000.00 |
| 0043 | 2503-0200036 | Remove Storm Sewer Pipe Less Than or Equal to 36 In. | LF | 152 | \$25.00 | \$3,800.00 |
| 0044 | 2503-0200341 | Storm Sewer Abandonment, Fill and Plug, Less Than or Equal to 36 In. Dia. | LF | 40 | \$112.00 | \$4,480.00 |
| 0045 | 2506-4984000 | Flowable Mortar | CY | 1.8 | \$450.00 | \$810.00 |
| 0046 | 2507-3250005 | Engineering Fabric | SY | 916.3 | \$3.00 | \$2,748.90 |

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| NO. | ITEM CODE | DESCRIPTION | ESTIMATED UNITS | | | AMOUNT |
|--------------------------------|--------------|---|-----------------|---------|--------------|----------------|
| | | | UNIT | TOTAL | UNIT PRICE | TOTAL |
| 0047 | 2507-6800021 | Revetment, Class B | TON | 29 | \$75.00 | \$2,175.00 |
| 0048 | 2507-6800061 | Revetment, Class E | TON | 761.1 | \$55.00 | \$41,860.50 |
| 0049 | 2511-0300000 | Removal of Recreational Trail | SY | 1220 | \$10.00 | \$12,200.00 |
| 0050 | 2511-0302500 | Recreational Trail, Portland Cement Concrete, 5 In. | SY | 70 | \$40.00 | \$2,800.00 |
| 0051 | 2511-0302600 | Recreational Trail, Portland Cement Concrete, 6 In. | SY | 18192.3 | \$36.00 | \$654,922.80 |
| 0052 | 2511-0302800 | Recreational Trail, Portland Cement Concrete, 8 In. | SY | 902.6 | \$70.00 | \$63,182.00 |
| 0053 | 2511-7528101 | Detectable Warnings | SF | 240 | \$45.00 | \$10,800.00 |
| 0054 | 2512-1725256 | Curb and Gutter, P.C. Concrete, 2.5 FT | LF | 567.6 | \$40.00 | \$22,704.00 |
| 0055 | 2519-1001000 | Fence, Chain Link, Vinyl Coated | LF | 49.5 | \$150.00 | \$7,425.00 |
| 0056 | 2519-3280000 | Fence, Field | LF | 1062.5 | \$3.00 | \$3,187.50 |
| 0057 | 2519-3300400 | Field Fence Brace Panels | EA | 15 | \$175.00 | \$2,625.00 |
| 0058 | 2519-4200140 | Removal of Fence, Field Fence | LF | 1203 | \$1.50 | \$1,804.50 |
| 0059 | 2524-6765010 | Remove and Reinstall Sign as Per Plan | EA | 5 | \$100.00 | \$500.00 |
| 0060 | 2524-6765210 | Removal of Type A Sign Assembly | EA | 9 | \$150.00 | \$1,350.00 |
| 0061 | 2527-9263109 | Painted Pavement Markings, Waterborne or Solvent-Based | STA | 19.64 | \$125.00 | \$2,455.00 |
| 0062 | 2527-9263180 | Pavement Markings Removed | STA | 16.5 | \$110.00 | \$1,815.00 |
| 0063 | 2527-9263600 | Removable, Nonreflective, Preformed Tape | STA | 20.24 | \$115.00 | \$2,327.60 |
| 0064 | 2528-2518000 | Safety Closure | EA | 16 | \$500.00 | \$8,000.00 |
| 0065 | 2528-8400048 | Temporary Barrier Rail | LF | 416 | \$17.00 | \$7,072.00 |
| 0066 | 2528-8400256 | Temporary Traffic Signals | EA | 4 | \$5,500.00 | \$22,000.00 |
| 0067 | 2528-8445110 | Traffic Control | LS | 1 | \$50,000.00 | \$50,000.00 |
| 0068 | 2529-5070110 | Patch, Full-Depth Finish, By Area | SY | 238 | \$150.00 | \$35,700.00 |
| 0069 | 2529-5070120 | Patch, Full-Depth Finish, By Count | EA | 6 | \$500.00 | \$3,000.00 |
| 0070 | 2533-4980005 | Mobilization | LS | 1 | \$251,000.00 | \$251,000.00 |
| 0071 | 2551-0000120 | Temporary Crash Cushion, Redirective | EA | 4 | \$1,500.00 | \$6,000.00 |
| 0072 | 2599-9999003 | ('CY' Item) Regenerative Creek Fill | CY | 406 | \$60.00 | \$24,360.00 |
| 0073 | 2599-9999005 | ('Each' Item) Subdrain Area Intake | EA | 2 | \$1,500.00 | \$3,000.00 |
| 0074 | 2599-9999009 | ('Linear Foot' Item) Tree Protection Fence | LF | 1891 | \$1.00 | \$1,891.00 |
| 0075 | 2599-9999010 | ('Lump Sum' Item) Signing | LS | 1 | \$30,000.00 | \$30,000.00 |
| 0076 | 2599-9999010 | ('Lump Sum' Item) Tunnel Lighting | LS | 1 | \$45,000.00 | \$45,000.00 |
| 0077 | 2599-9999010 | ('Lump Sum' Item) Directional Sign Footing | LS | 1 | \$3,000.00 | \$3,000.00 |
| 0078 | 2599-9999010 | ('Lump Sum' Item) Information Hub Sign Footing | LS | 1 | \$3,000.00 | \$3,000.00 |
| 0079 | 2599-9999020 | ('Ton' Item) 18 In. Boulder Stones | TON | 106 | \$65.00 | \$6,890.00 |
| 0080 | 2601-2634100 | Mulching | ACRE | 14.3 | \$600.00 | \$8,580.00 |
| 0081 | 2601-2634105 | Mulching, Bonded Fiber Matrix | ACRE | 9.6 | \$1,100.00 | \$10,560.00 |
| 0082 | 2601-2634110 | Mulching, Mechanically-Bonded Fiber Matrix | ACRE | 0.6 | \$2,500.00 | \$1,500.00 |
| 0083 | 2601-2636015 | Native Grass Seeding | ACRE | 0.6 | \$2,000.00 | \$1,200.00 |
| 0084 | 2601-2636043 | Seeding and Fertilizing (Rural) | ACRE | 9.6 | \$1,100.00 | \$10,560.00 |
| 0085 | 2601-2638352 | Slope Protection, Wood Excelsior Mat | SQ | 695 | \$12.00 | \$8,340.00 |
| 0086 | 2601-2640350 | Special Ditch Control, Wood Excelsior Mat | SQ | 684 | \$20.00 | \$13,680.00 |
| 0087 | 2602-0000020 | Silt Fence | LF | 12680 | \$2.00 | \$25,360.00 |
| 0088 | 2602-0000071 | Removal of Silt Fence or Silt Fence for Ditch Checks | LF | 1268 | \$0.50 | \$634.00 |
| 0089 | 2602-0000101 | Maintenance of Silt Fence or Silt Fence for Ditch Check | LF | 6340 | \$0.50 | \$3,170.00 |
| 0090 | 2602-0000312 | Perimeter and Slope Sediment Control Device, 12 IN. DIA. | LF | 660 | \$3.00 | \$1,980.00 |
| 0091 | 2602-0000351 | Removal of Perimeter and Slope or Ditch Check Sediment Control Device | LF | 3540 | \$1.00 | \$3,540.00 |
| 0092 | 2602-0000362 | Ditch Check Sediment Control Device, 12 In. Dia. | LF | 2880 | \$3.00 | \$8,640.00 |
| 0093 | 2602-0010010 | Mobilizations, Erosion Control | EA | 12 | \$500.00 | \$6,000.00 |
| 0094 | 2602-0010020 | Mobilizations, Emergency Erosion Control | EA | 2 | \$1,000.00 | \$2,000.00 |
| TOTAL CONSTRUCTION COST | | | | | | \$2,833,501.05 |

Prepared By: Snyder & Associates

Checked By: _____