# CITY OF WEST DES MOINES
# CITY COUNCIL MEETING COMMUNICATION

**DATE: October 17, 2022**

## ITEM:

Resolution - Ordering Construction
8th Street Reconstruction – I-235 to Clegg Road
IDOT No. STBG-SWAP-8260(654)--SG-77

## FINANCIAL IMPACT:

The Engineering Estimate of Construction Cost for the 8th Street Reconstruction – I-235 to Clegg Road is $4,888,744.80. The Surface Transportation Block Grant (STBG) will pay up to $3,000,000 in construction costs for the reconstruction of 8th Street from I-235 to Clegg Road. The City will be responsible for the remaining funds estimated at nearly $2,200,000 for right-of-way acquisition, design, inspection, and testing. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from reimbursement from the STBG Program, along with the local match being funded either using available TIF Funds from the Midtown Urban Renewal Area or General Obligation Bonds.

## BACKGROUND:

A Bid Letting at the Iowa Department of Transportation (IDOT) is scheduled for Tuesday, November 15, 2022. A Public Hearing on the project should be scheduled for 5:35 p.m. on Monday, November 21, 2022. The contract would be awarded on Monday, November 21, 2022 subject to IDOT concurrence, and work will begin shortly thereafter.

This project includes the reconstruction of 8th Street from I-235 to Clegg Road. 8th Street from Center Street to Office Park Road will be reconstructed from an existing 4-lane urban undivided roadway to a 4-lane urban divided roadway with a median and dedicated left and right turn lanes. 8th Street from Office Park Road to just north of Clegg Road will be reconstructed from an existing 4-lane urban undivided roadway to a 5-lane urban partially-divided roadway with a continuous center two-way left turn lane and a median at the north end closest to Office Park Road. The project will also include new traffic signals at Office Park Road, modifications to the traffic signals at Center Street, storm sewer outfall improvements along 8th Street and Center Street, watermain improvements along 8th Street from Center Street to Office Park Road, sanitary sewer improvements near the intersection of 8th Street & Office Park Road, and a shared use path along the east side of 8th Street including a crossing over the Iowa Interstate Railroad.

Portions of 8th Street will be closed to thru traffic throughout construction, but access to all businesses will be maintained at all times from at least one direction. Utility relocations are anticipated to take place prior to March 2023 utilizing the 8th Street joint utility trench recently constructed by the City. The IDOT construction contract will be set up to allow for 140 working days with a late start date of April 1, 2023 and an anticipated final completion by Fall 2023. Some restoration may take place in Spring 2024.

This agenda item was distributed to the Public Services Subcommittee by e-mail only since there was no meeting.

## OUTSTANDING ISSUES:

None.

## RECOMMENDATION:

City Council Adopt:

- Resolution Ordering Construction for the 8th Street Reconstruction – I-235 to Clegg Road.
- Recognition that IDOT has fixed Tuesday, November 15, 2022 as the date for project Bid Letting.
- Ordering the City Clerk to publish notice of Public Hearing.

**Lead Staff Member: Brian J. Hemesath, P.E., City Engineer**

**STAFF REVIEWS**

| | |
|---|---|
| Department Director | Brian J. Hemesath, P.E., City Engineer |
| Appropriations/Finance | Tim Stiles, Finance Director |
| Legal | Richard Scieszinski, City Attorney |
| Agenda Acceptance | |

**PUBLICATION(S)** (if applicable)

| | |
|---|---|
| Published In | |
| Dates(s) Published | |

**SUBCOMMITTEE REVIEW** (if applicable)

| | | | |
|---|---|---|---|
| Committee | | | |
| Date Reviewed | | | |
| Recommendation | Yes | No | Split |

**RESOLUTION ORDERING CONSTRUCTION AND NOTICE OF PUBLIC HEARING ON PLANS, SPECIFICATIONS, FORM OF CONTRACT, ESTIMATE OF COST, AND DIRECTING ADVERTISEMENT FOR BIDS**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA,** that the following described public improvement:

**8th Street Reconstruction – I-235 to Clegg Road**
**Project No. 0510-038-2020**

is hereby ordered constructed according to the Plans and Specifications prepared by the City of West Des Moines and now on file in the office of City Clerk.

**BE IT FURTHER RESOLVED,** that the detailed Plans and Specifications are hereby approved, subject to hearing thereon, and that the same are now on file in the office of City Clerk for public inspection.

**BE IT FURTHER RESOLVED,** that the City Clerk is hereby directed to publish notice of hearing on the Plans and Specifications and Estimate of Costs for said project to be held at 5:35 p.m. on Monday, November 21, 2022, with said notice published not less than four (4) days nor more than twenty (20) days prior to the date heretofore fixed.

**BE IT FURTHER RESOLVED,** that prospective actions by the Iowa Department of Transportation in publishing a Notice to Bidders for said project (publication to be not less than thirteen (13) days nor more than forty-five (45) days prior to the date for receiving bids) are hereby approved. Said bids are to be filed prior to the time appointed and location indicated by the Iowa Department of Transportation on Tuesday, November 15, 2022.

**BE IT FURTHER RESOLVED,** that the bids received for construction of said improvements will be opened, publicly read and tabulated by the Iowa Department of Transportation at the appointed time on Tuesday, November 15, 2022 and the results of said bids shall be considered at a meeting of this Council on Monday, November 21, 2022 at 5:35 p.m. and acted upon at said time, or such time as may then be fixed.

**PASSED AND APPROVED** on this **17th** day of **October, 2022.**

_____
Russ Trimble, Mayor

**ATTEST:**

_____
Ryan T. Jacobson, City Clerk

**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS**
**STBG-8260(654)--SG-77 - 8th Street Reconstruction - I-235 to Clegg Rd.**
**West Des Moines, Iowa**
**City of West Des Moines Project No. 0510-038-2020**
**SEH Project No. 156738**

*Date Prepared:*
*August 16, 2022*

| Item # | Item Code | Description | Unit | Quantity | Unit Price | Total |
|---|---|---|---|---|---|---|
| ***CONSTRUCTION*** | | | | | | |
| 1 | 2101-0850001 | Clearing and Grubbing | ACRE | 0.3 | $50,000.00 | $15,000.00 |
| 2 | 2102-0425071 | Special Backfill | CY | 2,200.0 | $25.00 | $55,000.00 |
| 3 | 2102-2710070 | Excavation, Class 10, Roadway and Borrow | CY | 3,371 | $15.00 | $50,565.00 |
| 4 | 2102-2710080 | Excavation, Class 10, Unsuitable or Unstable Material | CY | 200 | $25.00 | $5,000.00 |
| 5 | 2105-8425005 | Topsoil, Furnish and Spread | CY | 2,273 | $40.00 | $90,920.00 |
| 6 | 2109-8225100 | Special Compaction of Subgrade | STA | 15 | $1,000.00 | $15,000.00 |
| 7 | 2115-0100000 | Modified Subbase | CY | 1,978.6 | $40.00 | $79,144.00 |
| 8 | 2123-7450020 | Shoulder Finishing, Earth | STA | 30 | $300.00 | $9,000.00 |
| 9 | 2214-5145150 | Pavement Scarification | SY | 708.1 | $5.00 | $3,540.50 |
| 10 | 2301-1034070 | Standard or Slip Form PCC Pavement, Class C, Class 3I Durability, 7 in. | SY | 518.5 | $65.00 | $33,702.50 |
| 11 | 2301-1034090 | Standard or Slip Form PCC Pavement, Class C, Class 3I Durability, 9 in. | SY | 10,353.8 | $75.00 | $776,535.00 |
| 12 | 2301-4874006 | Median, Dowelled P.C. Concrete, As Per Plan | SY | 283.8 | $70.00 | $19,866.00 |
| 13 | 2303-1143504 | Hot Mix Asphalt High Traffic, Surface Course, 1/2 in. Mix, Friction L-4 | SY | 838.6 | $25.00 | $20,965.00 |
| 14 | 2312-8260051 | Granular Surfacing on Road, Class A Crushed Stone | TON | 653 | $45.00 | $29,385.00 |
| 15 | 2316-0000110 | Payment Adjustment Incentive/Discincentive for PCC Pavement Smoothness | EACH | 6 | $1,671.80 | $10,030.80 |
| 16 | 2401-6745354 | Removal of Concrete Footings, As Per Plan | EA | 1 | $5,000.00 | $5,000.00 |
| 17 | 2401-6750001 | Removals, As Per Plan | LS | 1 | $2,500.00 | $2,500.00 |
| 18 | 2402-2720000 | Excavation, Class 20 | CY | 1,694 | $20.00 | $33,880.00 |
| 19 | 2403-0100000 | Structural Concrete (Miscellaneous) | CY | 64 | $1,500.00 | $96,000.00 |
| 20 | 2404-7775000 | Reinforcing Steel | LB | 8,581 | $1.50 | $12,871.50 |
| 21 | 2435-0140160 | Manhole, Storm Sewer, SW-401, 60 in. | EA | 2 | $7,500.00 | $15,000.00 |
| 22 | 2435-0140196 | Manhole, Storm Sewer, SW-401, 96 in. | EA | 8 | $12,000.00 | $96,000.00 |
| 23 | 2435-0250100 | Intake, SW-501 | EA | 1 | $5,000.00 | $5,000.00 |
| 24 | 2435-0250500 | Intake, SW-505 | EA | 6 | $6,500.00 | $39,000.00 |
| 25 | 2435-0250600 | Intake, SW-506 | EA | 3 | $8,500.00 | $25,500.00 |
| 26 | 2435-0250610 | Intake, SW-506 Modified | EA | 7 | $20,000.00 | $140,000.00 |
| 27 | 2435-0251218 | Intake, SW-512, 18 in. | EA | 1 | $2,500.00 | $2,500.00 |
| 28 | 2435-0254110 | Intake, SW-541 Modified | EA | 1 | $15,000.00 | $15,000.00 |
| 29 | 2435-0600010 | Manhole Adjustment, Minor | EA | 6 | $2,000.00 | $12,000.00 |
| 30 | 2435-0600020 | Manhole Adjustment, Major | EA | 4 | $3,000.00 | $12,000.00 |
| 31 | 2435-0700010 | Connection to Existing Manhole | EA | 2 | $2,000.00 | $4,000.00 |
| 32 | 2502-8212036 | Subdrain, Longitudinal, (Shoulder) 6 in. Dia. | LF | 1,328 | $20.00 | $26,560.00 |
| 33 | 2502-8221006 | Subdrain Riser, 6 in., As Per Plan | EA | 1 | $800.00 | $800.00 |
| 34 | 2502-8221303 | Subdrain Outlet, DR-303 | EA | 11 | $500.00 | $5,500.00 |
| 35 | 2503-0110008 | Storm Sewer Gravity Main, Trenched, 8 in. | LF | 125 | $77.00 | $9,625.00 |
| 36 | 2503-0114215 | Storm Sewer, Trenched, RCP, 15 in. | LF | 94 | $100.00 | $9,400.00 |
| 37 | 2503-0114218 | Storm Sewer, Trenched, RCP, 18 in. | LF | 100 | $100.00 | $10,000.00 |
| 38 | 2503-0114224 | Storm Sewer, Trenched, RCP, 24 in. | LF | 459 | $100.00 | $45,900.00 |
| 39 | 2503-0114230 | Storm Sewer, Trenched, RCP, 30 in. | LF | 201 | $150.00 | $30,150.00 |
| 40 | 2503-0114242 | Storm Sewer, Trenched, RCP, 42 in. | LF | 1,492 | $250.00 | $373,000.00 |
| 41 | 2503-0114248 | Storm Sewer, Trenched, RCP, 48 in. | LF | 117 | $350.00 | $40,950.00 |
| 42 | 2503-0114254 | Storm Sewer, Trenched, RCP, 54 in. | LF | 558 | $400.00 | $223,200.00 |
| 43 | 2503-0124442 | Storm Sewer, Trenchless, RCP, 42 in. | LF | 95 | $1,600.00 | $152,000.00 |
| 44 | 2503-0200036 | Remove Storm Sewer Pipe Less Than or Equal to 36 in. | LF | 1,228 | $25.00 | $30,700.00 |
| 45 | 2503-0200136 | Remove Storm Sewer Pipe Greater than 36 in. | LF | 687 | $45.00 | $30,915.00 |
| 46 | 2503-0200342 | Storm Sewer Abandonment, Fill and Plug, Greater than 36 in. Dia. | LF | 47 | $75.00 | $3,525.00 |
| 47 | 2504-0114010 | Sanitary Sewer Gravity Main, Trenched, PVC, 10 in. | LF | 99 | $100.00 | $9,900.00 |
| 48 | 2505-4008120 | Removal of Steel Beam Guardrail | LF | 21 | $10.00 | $210.00 |
| 49 | 2507-6800042 | Revetment, Class D | TON | 453 | $60.00 | $27,180.00 |
| 50 | 2510-6745850 | Removal of Pavement | SY | 9,434.3 | $15.00 | $141,514.50 |
| 51 | 2510-6750600 | Removal of Intakes and Utility Accesses | EA | 17 | $1,000.00 | $17,000.00 |
| 52 | 2511-0302600 | Recreational Trail, PCC, 6 in., Reinforced | SY | 1,396.2 | $60.00 | $83,772.00 |
| 53 | 2511-0310100 | Special Compaction of Subgrade for Recreational Trail | STA | 14 | $350.00 | $4,900.00 |
| 54 | 2511-6745900 | Removal of Sidewalk | SY | 905.2 | $15.00 | $13,578.00 |
| 55 | 2511-7526004 | Sidewalk, PCC, 4 in. | SY | 440.4 | $60.00 | $26,424.00 |
| 56 | 2511-7526006 | Sidewalk, PCC, 6 in. | SY | 108.9 | $90.00 | $9,801.00 |
| 57 | 2511-7528101 | Detectable Warnings | SF | 143 | $50.00 | $7,150.00 |
| 58 | 2512-1725206 | Curb and Gutter, P.C. Concrete, 2.0 ft. | LF | 233 | $30.00 | $6,990.00 |
| 59 | 2512-1859000 | Curb, Special, As per plan | LF | 61.6 | $60.00 | $3,696.00 |
| 60 | 2515-2475007 | Driveway, P.C. Concrete, 7 in. | SY | 1,969.2 | $70.00 | $137,844.00 |
| 61 | 2515-6745600 | Removal of Paved Driveway | SY | 2,402 | $15.00 | $36,030.00 |
| 62 | 2516-8625000 | Combined Concrete Sidewalk and Retaining Wall | CY | 48.3 | $1,000.00 | $48,300.00 |
| 63 | 2525-0000100 | Traffic Signalization | LS | 1 | $500,000.00 | $500,000.00 |

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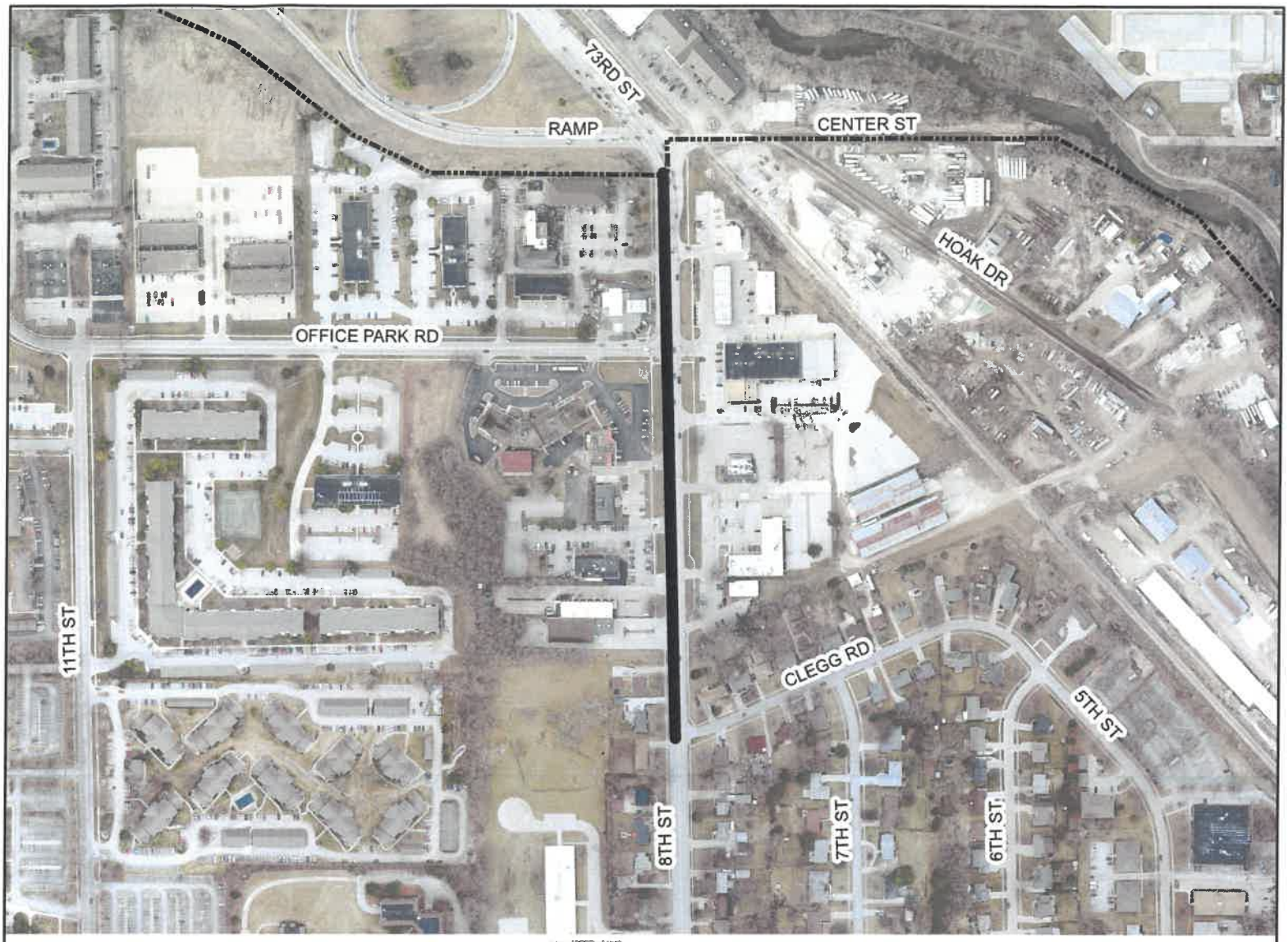
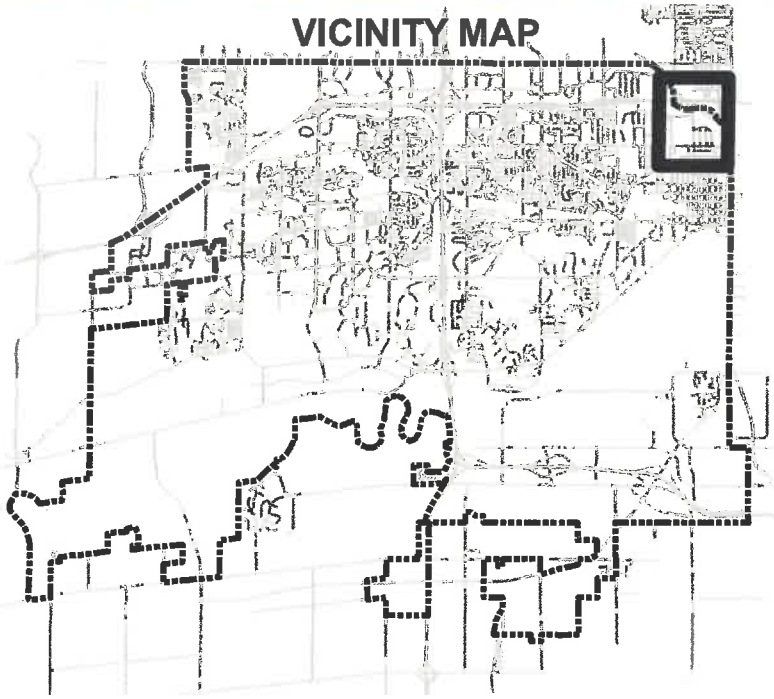
|---|---|---|---|---|---|---|
| 64 | 2526-8285000 | Construction Survey | LS | 1 | $50,000.00 | $50,000.00 |
| 65 | 2527-9263118 | Painted Pavement Markings, Waterborne | STA | 47.2 | $100.00 | $4,720.00 |
| 66 | 2527-9263143 | Painted Symbols and Legend, Waterborne | EA | 26 | $350.00 | $9,100.00 |
| 67 | 2527-9263180 | Pavement Markings Removed | STA | 3.3 | $30.00 | $99.00 |
| 68 | 2528-2518000 | Safety Closures | EA | 61 | $150.00 | $9,150.00 |
| 69 | 2528-8445110 | Traffic Control | LS | 1 | $50,000.00 | $50,000.00 |
| 70 | 2528-9290050 | Portable Dynamic Message Sign (PDMS) | CDAY | 20 | $500.00 | $10,000.00 |
| 71 | 2533-4980005 | Mobilization | LS | 1 | $100,000.00 | $100,000.00 |
| 72 | 2537-8900000 | Remediation of Petroleum Contaminated Soil | CY | 2,000 | $100.00 | $200,000.00 |
| 73 | 2537-8900100 | Sampling and Testing for Petroleum Contamination | EACH | 4 | $3,000.00 | $12,000.00 |
| 74 | 2554-0112008 | Water Main, Trenched, Ductile Iron Pipe (DIP). 8 in. | LF | 743 | $125.00 | $92,875.00 |
| 75 | 2554-0114012 | Water Main, Trenched, Ductile Iron Pipe (DIP), 12 in. | LF | 147 | $160.00 | $23,520.00 |
| 76 | 2554-0142008 | Water Main with Casing Pipe, Trenchless, Ductile Iron Pipe (DIP), 8 in. | LF | 140 | $1,600.00 | $224,000.00 |
| 77 | 2554-0202200 | Fittings by Count, Ductile Iron, 8 in. | EA | 14 | $1,250.00 | $17,500.00 |
| 78 | 2554-0202200 | Fittings by Count, Ductile Iron, 12 in. | EA | 4 | $1,500.00 | $6,000.00 |
| 79 | 2554-0204110 | Water Service Stub, Copper, 1 in. | EA | 2 | $1,000.00 | $2,000.00 |
| 80 | 2554-0205710 | Water Service Curb Stop and Box, Copper, 1 in. | EA | 2 | $600.00 | $1,200.00 |
| 81 | 2554-0207006 | Valve, Gate, DIP, 6 in. | EA | 3 | $2,000.00 | $6,000.00 |
| 82 | 2554-0207008 | Valve, Gate, DIP, 8 in. | EA | 5 | $2,500.00 | $12,500.00 |
| 83 | 2554-0207012 | Valve, Gate, DIP, 12 in. | EA | 2 | $4,000.00 | $8,000.00 |
| 84 | 2554-0210201 | Fire Hydrant Assembly, WM-201 | EA | 4 | $6,500.00 | $26,000.00 |
| 85 | 2554-0210205 | Fire Hydrant Assembly Removal | EA | 2 | $1,000.00 | $2,000.00 |
| 86 | 2554-0212040 | Valve Box Adjustment, Minor | EACH | 3 | $500.00 | $1,500.00 |
| 87 | 2554-0214000 | Fire Hydrant Adjustment | EA | 1 | $2,500.00 | $2,500.00 |
| 88 | 2555-0000010 | Deliver and Stockpile Salvaged Materials | LS | 1 | $5,000.00 | $5,000.00 |
| 89 | 2595-0005100 | Railroad Protective Liability Insurance | LS | 1 | $5,000.00 | $5,000.00 |
| 90 | 2599-9999005 | Street Cleaning | EA | 3 | $500.00 | $1,500.00 |
| 91 | 2599-9999005 | Temporary Storm Sewer Connection | EA | 2 | $2,000.00 | $4,000.00 |
| 92 | 2599-9999005 | Water Meter Relocation | EA | 1 | $5,000.00 | $5,000.00 |
| 93 | 2599-9999009 | 6" Water Service Lowering | LF | 200 | $100.00 | $20,000.00 |
| 94 | 2599-9999009 | 8" Water Service Lowering | LF | 72 | $100.00 | $7,200.00 |
| 95 | 2599-9999009 | Fence, Black Aluminum, 4 ft. Height | LF | 125 | $100.00 | $12,500.00 |
| 96 | 2599-9999009 | Fence, Vinyl, 6 ft. Height | LF | 115 | $50.00 | $5,750.00 |
| 97 | 2599-9999009 | Remove Existing Water Main Pipe | LF | 1,051 | $25.00 | $26,275.00 |
| 98 | 2599-9999010 | SWPPP Preparation | LS | 1 | $1,500.00 | $1,500.00 |
| 99 | 2599-9999010 | SWPPP Management | LS | 1 | $5,000.00 | $5,000.00 |
| 100 | 2599-9999020 | Subgrade Treatment, Cement Stabilization | TON | 101 | $100.00 | $10,100.00 |
| 101 | 2601-2634105 | Mulching, Bonded Fiber Matrix | AC | 6 | $3,000.00 | $18,000.00 |
| 102 | 2601-2636044 | Seeding and Fertilizing (Urban) | AC | 0.5 | $3,000.00 | $1,500.00 |
| 103 | 2601-2638352 | Slope Protection, Wood Excelsior Mat | SQ | 16 | $250.00 | $4,000.00 |
| 104 | 2601-2639010 | Sodding | SQ | 511 | $60.00 | $30,660.00 |
| 105 | 2601-2643110 | Watering for Sod, Special Ditch Control, or Slope Protection | MGAL | 317 | $60.00 | $19,020.00 |
| 106 | 2601-2643300 | Mobilization for Watering | EACH | 6 | $350.00 | $2,100.00 |
| 107 | 2602-0000020 | Silt Fence | LF | 304 | $10.00 | $3,040.00 |
| 108 | 2602-0000071 | Removal of Silt Fence or Silt Fence for Ditch Checks | LF | 30 | $100.00 | $3,000.00 |
| 109 | 2602-0000101 | Maintenance of Silt Fence or Silt Fence for Ditch Check | LF | 30 | $0.50 | $15.00 |
| 110 | 2602-0000212 | Floating Silt Curtain (Hanging) | LF | 59 | $25.00 | $1,475.00 |
| 111 | 2602-0000222 | Floating Silt Curtain (Containment) | LF | 59 | $40.00 | $2,360.00 |
| 112 | 2602-0000230 | Clean-Out of Floating Silt Curtain (Containment) | LF | 118 | $10.00 | $1,180.00 |
| 113 | 2602-0000240 | Maintenance of Floating Silt Curtain | LF | 59 | $10.00 | $590.00 |
| 114 | 2602-0000309 | Perimeter and Slope Sediment Control Device, 9 in. dia. | LF | 3,764 | $3.00 | $11,292.00 |
| 115 | 2602-0000351 | Removal of Perimeter and Slope or Ditch Check Sediment Control Device | LF | 3,764 | $1.00 | $3,764.00 |
| 116 | 2602-0000500 | Open-Throat Curb Intake Sediment Filter, EC-602 | LF | 15 | $10.00 | $150.00 |
| 117 | 2602-0000510 | Maintenance of Open-Throat Curb Intake Sediment Filter | EA | 1 | $20.00 | $20.00 |
| 118 | 2602-0000520 | Removal of Open-Throat Curb Intake Sediment Filter | EA | 1 | $50.00 | $50.00 |
| 119 | 2602-0000530 | Grate Intake Sediment Filter Bag | EA | 34 | $150.00 | $5,100.00 |
| 120 | 2602-0000540 | Maintenance of Grate Intake Sediment Filter Bag | EA | 34 | $20.00 | $680.00 |
| 121 | 2602-0000550 | Removal of Grate Intake Sediment Filter Bag | EA | 34 | $10.00 | $340.00 |
| 122 | 2602-0010010 | Mobilizations, Erosion Control | EA | 3 | $500.00 | $1,500.00 |
| 123 | 2602-0010020 | Mobilizations, Emergency Erosion Control | EA | 3 | $1,000.00 | $3,000.00 |
| | | | | | | |
| | | **Construction Subtotal** | | | | **$4,888,744.80** |
| | | **Contingencies** | | | | $0.00 |
| | | | | | **Total Opinion of Project Cost** | **$4,888,744.80** |

1. Right of Way and Temporary Construction Easement costs have been estimated at $150,000 per the City's CIP budget.

Opinions of Probable Cost provided for herein are to be made on the basis of SEH's experience and qualifications and represent SEH's best judgment. However, since SEH has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, SEH cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from Opinions of Probable Cost prepared by SEH.




## VICINITY MAP



## LEGEND

PROJECT LOCATION

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W E
S

THE CITY OF WEST DES MOINES

PROJECT:

# 8th Street Reconstruction- I-235-Clegg Road

LOCATION: **Exhibit "A"**

| DRAWN BY: TKA | DATE: 7/20/2020 | PROJECT NUMBER/NAME: 0510-038-2020 | SHT. 1 of 1 |
|---|---|---|---|