# CITY OF WEST DES MOINES
# CITY COUNCIL MEETING COMMUNICATION

**DATE: May 6, 2019**

**ITEM:**

Public Hearing (5:35 p.m.)
Grand Avenue – South Jordan Creek Parkway to South 88th Street

**FINANCIAL IMPACT:**

The revised Engineering Estimate of Construction Cost was estimated to be $6,507,769.20 for Grand Avenue – South Jordan Creek Parkway to South 88th Street. There were seven (7) bids submitted with the low bid of $5,965,050.000 being submitted by McAninch Corporation of Des Moines, Iowa. Payments will be made from account no. 500.000.000.5250.490 with the ultimate funding intended to come from Mills Parkway Sub district #7 TIF Funds. Funds for the project are available in the FY 19-20 budget, but due to timing of the construction season, this project will begin on an accelerated schedule.

**BACKGROUND:**

The project consists of construction of Grand Avenue from South Jordan Creek Parkway to South 88th Street. This first phase of construction will include grading and paving of the southern three (3) lanes of an ultimate six-lane urban divided roadway with median, associated storm sewer, reinforced concrete box culvert, sanitary sewer manhole adjustments, multi-use trail, joint utility trench, and other miscellaneous work. The second phase of construction will potentially take place later this construction season into Spring 2020 and will include grading for the northern three (3) lanes. Work on the second phase cannot be completed at this time due to permitting of potential wetland impacts. Close coordination with the proposed Des Moines University development, proposed MidAmerican Energy RecPlex project, and West Public Services Facility project is ongoing. Rough grading and utility installation for the project is anticipated to be completed by December 15, 2019 with paving to be completed and open to traffic by June 30, 2020 and restoration to be completed by September 15, 2020.

**OUTSTANDING ISSUES:** None.

**RECOMMENDATION:**

City Council Adopt:

- Resolution adopting Plans, Specifications, Form of Contract, and Estimate of Costs for Grand Avenue – South Jordan Creek Parkway to South 88th Street;
- Motion receiving and filing Report of Bids;
- Resolution waiving bid irregularities and awarding the construction contract to McAninch Corporation.

**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 | Des Moines Register |
| Dates(s) Published | April 26, 2019 |

**SUBCOMMITTEE REVIEW** (if applicable)

| | | | |
|---|---|---|---|
| Committee | Public Services | | |
| Date Reviewed | April 22, 2019 | | |
| Recommendation | Yes | No | Split |

**RESOLUTION APPROVING ADOPTING PLANS, SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST**

**WHEREAS,** on April 15, 2019, Plans, Specifications, Form of Contract, and Estimate of Cost were filed with the City Clerk for the following described public improvement:

**Grand Avenue – South Jordan Creek Parkway to South 88th Street**
**Project No. 0510-056-2018**

and,

**WHEREAS,** notice of hearing on Plans, Specifications, Form of Contract, and Estimate of Cost for said public improvements were published as required by law;

therefore,

**BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES,** that the Plans, Specifications, Form of Contract, and Estimate of Costs for said Public Improvement are hereby approved.

**PASSED AND APPROVED** on this **6th** day of **May, 2019.**

_____
Steven K. Gaer, Mayor

ATTEST:

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Ryan T. Jacobson, City Clerk

## RESOLUTION APPROVING THE AWARDING OF A CONTRACT

**WHEREAS,** the City Council of the City of West Des Moines has heretofore directed advertisement for bids for the following described public improvement:

**Grand Avenue – South Jordan Creek Parkway to South 88th Street**
**Project No. 0510-056-2018**

and,

**WHEREAS,** bids have been received and opened by the City Clerk and placed on file by the City Council; and,

**WHEREAS,** irregularities were noted on one of the bids that was received; and,

**WHEREAS,** the irregularities noted were not substantive in nature; and,

**WHEREAS,** the bid of McAninch Corporation in the amount of $5,965,050.00 was the lowest responsible bid received for said public improvement;

therefore,

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA,** waives the irregularities in the bids that were received.

**BE IT FURTHER RESOLVED BY THE CITY COUNCIL OF THE CITY OF WEST DES MOINES, IOWA,** that a contract for Grand Avenue – South Jordan Creek Parkway to South 88th Street is hereby awarded to McAninch Corporation in the amount of $5,965,050.00 and the bond of said bidder for the project is hereby fixed in the same amount.

**BE IT FURTHER RESOLVED** that the City Engineer is authorized and directed to return bid bond(s) and/or check(s) to any unsuccessful bidder.

**BE IT FURTHER RESOLVED** that work on said project may commence as soon as the final contract and bond have been approved by the City Engineer and have been signed by the City Clerk and after the contractor is given a written notice to proceed by the City Engineer.

**PASSED AND ADOPTED** on this **6th** day of **May, 2019.**

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Steven K. Gaer, Mayor

ATTEST:

_____
Ryan T. Jacobson, City Clerk

# BID TABULATIONS

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**Client:** City of West Des Moines
**Project:** Grand Avenue (South Jordan Creek Parkway to South 88th Street)
**Project Number:** 0510-056-2018
**Bid Date:** 5/1/2019 2 P.M.

| | | | | | ENGINEER'S ESTIMATE | | McAninch Corporation P.O. Box 1486 Des Moines, Iowa 50305 | | Corell Contractor Inc P.O. Box 65430 West Des Moines, Iowa 50265 | | Shekar Engineering 2600 MLK Jr. Pkwy Suite #200 Des Moines, Iowa 50310 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NO. | ITEM CODE | ITEM DESCRIPTION | UNIT | QUANTITY | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ |
| DIVISION 2 - EARTHWORK, SUBGRADE AND SUBBASE | | | | | | | | | | | | |
| 2.01 | 2010-108-C-0 | CLEARING AND GRUBBING | LS | 1 | $15,000.00 | $15,000.00 | $11,730.00 | $11,730.00 | $124,711.00 | $124,711.00 | $26,500.00 | $26,500.00 |
| 2.02 | 2010-108-D-1 | TOPSOIL, ON-SITE | CY | 12159 | $7.00 | $85,113.00 | $6.28 | $76,358.52 | $6.90 | $83,897.10 | $5.62 | $68,333.58 |
| 2.03 | 2010-108-E-0 | EXCAVATION, CLASS 10 | CY | 3342 | $15.00 | $50,130.00 | $8.84 | $29,543.28 | $3.50 | $11,697.00 | $2.01 | $6,717.42 |
| 2.04 | 2010-108-E-0 | EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED | CY | 179886 | $9.00 | $1,618,974.00 | $6.76 | $1,216,029.36 | $9.60 | $1,726,905.60 | $12.51 | $2,250,373.86 |
| 2.05 | 2010-108-G-0 | SUBGRADE PREPARATION, 6 IN. | SY | 6296 | $2.00 | $12,592.00 | $3.44 | $21,658.24 | $2.00 | $12,592.00 | $1.80 | $11,332.80 |
| 2.06 | 2010-108-G-0 | SUBGRADE PREPARATION, 12 IN. | SY | 22213 | $3.00 | $66,639.00 | $2.63 | $58,420.19 | $2.50 | $55,532.50 | $2.54 | $56,421.02 |
| DIVISION 4 - SEWERS AND DRAINS | | | | | | | | | | | | |
| 4.01 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 18 IN. DIA. | LF | 871 | $60.00 | $52,260.00 | $70.00 | $60,970.00 | $61.25 | $53,348.75 | $62.54 | $54,472.34 |
| 4.02 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 24 IN. DIA. | LF | 117 | $75.00 | $8,775.00 | $75.00 | $8,775.00 | $86.00 | $10,062.00 | $77.38 | $9,053.46 |
| 4.03 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 30 IN. DIA. | LF | 52 | $100.00 | $5,200.00 | $87.00 | $4,524.00 | $107.00 | $5,564.00 | $104.94 | $5,456.88 |
| 4.04 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 36 IN. DIA. | LF | 2300 | $125.00 | $287,500.00 | $121.00 | $278,300.00 | $102.00 | $234,600.00 | $120.84 | $277,932.00 |
| 4.05 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 48 IN. DIA. | LF | 162 | $235.00 | $38,070.00 | $174.00 | $28,188.00 | $143.00 | $23,166.00 | $165.36 | $26,788.32 |
| 4.06 | 4020-108-H-1 | PRECAST PLUG, STORM SEWER, 24 IN. DIA., RCP CLASS III | EA | 1 | $350.00 | $350.00 | $300.00 | $300.00 | $650.00 | $650.00 | $583.00 | $583.00 |
| 4.07 | 4020-108-H-1 | PRECAST PLUG, STORM SEWER, 30 IN. DIA., RCP CLASS III | EA | 1 | $400.00 | $400.00 | $400.00 | $400.00 | $675.00 | $675.00 | $689.00 | $689.00 |
| 4.08 | 4030-108-A-1 | PIPE CULVERT, TRENCHED, RCP, 42 IN. DIA. | LF | 240 | $200.00 | $48,000.00 | $153.00 | $36,720.00 | $130.00 | $31,200.00 | $135.68 | $32,563.20 |
| 4.09 | 4030-108-B-0 | PIPE APRON, RCP, 36 IN. DIA. | EA | 1 | $3,000.00 | $3,000.00 | $2,100.00 | $2,100.00 | $1,900.00 | $1,900.00 | $3,286.00 | $3,286.00 |
| 4.10 | 4030-108-B-0 | PIPE APRON, RCP, 42 IN. DIA. | EA | 4 | $3,500.00 | $14,000.00 | $2,600.00 | $10,400.00 | $2,800.00 | $11,200.00 | $4,134.00 | $16,536.00 |
| 4.11 | 4030-108-B-0 | PIPE APRON, RCP, 48 IN. DIA. | EA | 2 | $5,000.00 | $10,000.00 | $2,870.00 | $5,740.00 | $2,900.00 | $5,800.00 | $4,770.00 | $9,540.00 |
| 4.12 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 36 IN. DIA. | EA | 1 | $800.00 | $800.00 | $340.00 | $340.00 | $800.00 | $800.00 | $1,007.00 | $1,007.00 |
| 4.13 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 42 IN. DIA. | EA | 4 | $1,000.00 | $4,000.00 | $370.00 | $1,480.00 | $960.00 | $3,840.00 | $1,166.00 | $4,664.00 |
| 4.14 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 48 IN. DIA. | EA | 2 | $1,200.00 | $2,400.00 | $397.00 | $794.00 | $1,110.00 | $2,220.00 | $1,484.00 | $2,968.00 |
| DIVISION 5 - WATER MAIN AND APPURTENANCES | | | | | | | | | | | | |
| 5.01 | 5010-108-A-1 | WATER MAIN, TRENCHED, PVC C900 DR18, 8 IN. | LF | 167 | $65.00 | $10,855.00 | $26.00 | $4,342.00 | $71.00 | $11,857.00 | $34.98 | $5,841.66 |
| 5.02 | 5010-108-A-1 | WATER MAIN, TRENCHED, PVC C900 DR18, 16 IN. | LF | 1094 | $115.00 | $125,810.00 | $54.00 | $59,076.00 | $54.50 | $59,623.00 | $56.18 | $61,460.92 |
| 5.03 | 5010-108-A-1 | WATER MAIN, TRENCHED, CL52 DUCTILE IRON, 16 IN. | LF | 60 | $170.00 | $10,200.00 | $111.00 | $6,660.00 | $225.00 | $13,500.00 | $289.38 | $17,362.80 |
| 5.04 | 5010-108-A-2 | WATER MAIN, TRENCHLESS, PVC C900 DR18, 8 IN. | LF | 328 | $125.00 | $41,000.00 | $98.00 | $32,144.00 | $130.00 | $42,640.00 | $95.40 | $31,291.20 |
| 5.05 | 5010-108-C-2 | WATER MAIN FITTINGS | LB | 3830 | $9.00 | $34,470.00 | $3.00 | $11,490.00 | $5.00 | $19,150.00 | $6.36 | $24,358.80 |
| 5.06 | 5020-108-A-0 | VALVE, GATE, 8 IN. | EA | 1 | $2,000.00 | $2,000.00 | $1,226.00 | $1,226.00 | $1,400.00 | $1,400.00 | $1,908.00 | $1,908.00 |
| 5.07 | 5020-108-A-0 | VALVE, GATE, 16 IN. | EA | 3 | $5,500.00 | $16,500.00 | $5,736.00 | $17,208.00 | $5,990.00 | $17,970.00 | $7,208.00 | $21,624.00 |
| 5.08 | 5020-108-C-0 | FIRE HYDRANT ASSEMBLY | EA | 4 | $5,000.00 | $20,000.00 | $3,961.00 | $15,844.00 | $4,870.00 | $19,480.00 | $5,300.00 | $21,200.00 |
| 5.09 | 5020-108-F-0 | VALVE BOX EXTENSION | EA | 1 | $450.00 | $450.00 | $400.00 | $400.00 | $395.00 | $395.00 | $265.00 | $265.00 |
| 5.10 | 2599-9999005 | CONNECT TO EXISTING WATER MAIN | EA | 2 | $1,500.00 | $3,000.00 | $2,569.00 | $5,138.00 | $5,775.00 | $11,550.00 | $7,208.00 | $14,416.00 |
| DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS | | | | | | | | | | | | |
| 6.01 | 6010-108-A-0 | MANHOLE, STORM SEWER, SW-401, 60 IN. | EA | 3 | $5,000.00 | $15,000.00 | $5,574.00 | $16,722.00 | $6,200.00 | $18,600.00 | $4,558.00 | $13,674.00 |
| 6.02 | 6010-108-A-0 | MANHOLE, STORM SEWER, SW-403 | EA | 1 | $12,000.00 | $12,000.00 | $12,660.00 | $12,660.00 | $11,500.00 | $11,500.00 | $11,660.00 | $11,660.00 |
| 6.03 | 6010-108-B-0 | INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503 | EA | 7 | $4,500.00 | $31,500.00 | $4,452.00 | $31,164.00 | $4,300.00 | $30,100.00 | $4,346.00 | $30,422.00 |
| 6.04 | 6010-108-B-0 | INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503 MODIFIED | EA | 5 | $10,000.00 | $50,000.00 | $8,930.00 | $44,650.00 | $5,500.00 | $27,500.00 | $6,996.00 | $34,980.00 |
| 6.05 | 6010-108-B-0 | INTAKE, DOUBLE GRATE INTAKE WITH MANHOLE, SW-506 | EA | 2 | $7,000.00 | $14,000.00 | $7,430.00 | $14,860.00 | $7,500.00 | $15,000.00 | $6,890.00 | $13,780.00 |
| 6.06 | 6010-108-B-0 | INTAKE, DOUBLE GRATE INTAKE WITH MANHOLE, SW-506 MODIFIED | EA | 2 | $14,000.00 | $28,000.00 | $13,040.00 | $26,080.00 | $8,800.00 | $17,600.00 | $9,752.00 | $19,504.00 |
| 6.07 | 6010-108-E-0 | MANHOLE ADJUSTMENT, MINOR | EA | 1 | $1,000.00 | $1,000.00 | $1,627.00 | $1,627.00 | $1,300.00 | $1,300.00 | $2,120.00 | $2,120.00 |
| 6.08 | 6010-108-F-0 | MANHOLE ADJUSTMENT, MAJOR | EA | 11 | $5,000.00 | $55,000.00 | $6,470.00 | $71,170.00 | $6,500.00 | $71,500.00 | $6,466.00 | $71,126.00 |
| DIVISION 7 - STREETS AND RELATED WORK | | | | | | | | | | | | |
| 7.01 | 7010-108-A-0 | 10 IN. PCC PAVEMENT, CLASS C-SUD REINFORCED W/ 8 IN. CURB | SY | 20301 | $65.00 | $1,319,565.00 | $59.15 | $1,200,804.15 | $59.15 | $1,200,804.15 | $65.72 | $1,334,181.72 |
| 7.02 | 7010-108-E-0 | CURB AND GUTTER, P.C.C., 2.5 FT. | LF | 231 | $30.00 | $6,930.00 | $39.80 | $9,193.80 | $40.00 | $9,240.00 | $44.52 | $10,284.12 |
| 7.03 | 7030-108-C-0 | SHARED USE PATH, REINFORCED PCC, 6 IN. | SY | 5250 | $55.00 | $288,750.00 | $35.70 | $187,425.00 | $35.90 | $188,475.00 | $47.70 | $250,425.00 |
| 7.04 | 7030-108-A-0 | REMOVAL OF SHARED USE PATH | SY | 354 | $8.00 | $2,832.00 | $14.09 | $4,987.86 | $14.00 | $4,956.00 | $5.30 | $1,876.20 |
| 7.05 | 7030-108-B-0 | REMOVAL OF CURB | LF | 48 | $2.00 | $96.00 | $32.36 | $1,553.28 | $25.00 | $1,200.00 | $10.60 | $508.80 |
| 7.06 | 7030-108-G-0 | DETECTABLE WARNING | SF | 80 | $40.00 | $3,200.00 | $36.70 | $2,936.00 | $36.00 | $2,880.00 | $42.40 | $3,392.00 |
| 7.07 | 7040-108-A-0 | FULL DEPTH PATCHES, 9" (MIN.) REINFORCED | SY | 560 | $115.00 | $64,400.00 | $114.25 | $63,980.00 | $114.00 | $63,840.00 | $63.60 | $35,616.00 |
| 7.08 | 7040-108-F-0 | DIAMOND GRINDING | SY | 75 | $35.00 | $2,625.00 | $37.52 | $2,814.00 | $55.00 | $4,125.00 | $159.00 | $11,925.00 |
| 7.09 | 7040-108-H-0 | PAVEMENT REMOVAL | SY | 983 | $6.00 | $5,898.00 | $19.91 | $19,571.53 | $15.00 | $14,745.00 | $10.60 | $10,419.80 |
| DIVISION 8 - TRAFFIC CONTROL | | | | | | | | | | | | |
| 8.01 | 8020-108-C-0 | PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE | STA | 138.8 | $150.00 | $20,820.00 | $96.90 | $13,449.72 | $78.75 | $10,930.50 | $79.50 | $11,034.60 |
| 8.02 | 8020-108-G-0 | PAINTED SYMBOLS AND LEGENDS | EA | 9 | $750.00 | $6,750.00 | $153.00 | $1,377.00 | $115.00 | $1,035.00 | $116.60 | $1,049.40 |
| 8.03 | 8030-108-A-0 | TEMPORARY TRAFFIC CONTROL | LS | 1 | $50,000.00 | $50,000.00 | $218,762.09 | $218,762.09 | $20,700.00 | $20,700.00 | $20,882.00 | $20,882.00 |
| 8.04 | 2528-8445113 | FLAGGERS | EACH | 10 | $500.00 | $5,000.00 | $475.00 | $4,750.00 | $660.00 | $6,600.00 | $477.00 | $4,770.00 |
| 8.05 | 2528-9290050 | PORTABLE DYNAMIC MESSAGE SIGN (PDMS) | CDAY | 20 | $150.00 | $3,000.00 | $306.00 | $6,120.00 | $157.00 | $3,140.00 | $159.00 | $3,180.00 |

# BID TABULATIONS

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**Client:** City of West Des Moines
**Project:** Grand Avenue (South Jordan Creek Parkway to South 88th Street)
**Project Number:** 0510-056-2018
**Bid Date:** 5/1/2019 2 P.M.

| | | | | | ENGINEER'S ESTIMATE | | McAninch Corporation P.O. Box 1486 Des Moines, Iowa 50305 | | Corell Contractor Inc P.O. Box 65430 West Des Moines, Iowa 50265 | | Shekar Engineering 2600 MLK Jr. Pkwy Suite #200 Des Moines, Iowa 50310 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NO. | ITEM CODE | ITEM DESCRIPTION | UNIT | QUANTITY | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ |
| DIVISION 9 - SITE WORK AND LANDSCAPING | | | | | | | | | | | | |
| 9.01 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 1 (PERM. LAWN MIX) | AC | 3.05 | $1,900.00 | $5,795.00 | $2,550.00 | $7,777.50 | $2,565.00 | $7,823.25 | $2,650.00 | $8,082.50 |
| 9.02 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 2 (PERM. COOL SEASON MIX.) | AC | 10.46 | $1,400.00 | $14,644.00 | $2,448.00 | $25,606.08 | $2,460.00 | $25,731.60 | $2,544.00 | $26,610.24 |
| 9.03 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 5 (RURAL TEMP. EC MIX.) | AC | 13.51 | $600.00 | $8,106.00 | $1,428.00 | $19,292.28 | $1,435.00 | $19,386.85 | $1,484.00 | $20,048.84 |
| 9.04 | 9010-108-E-0 | WARRANTY | LS | 1 | $5,000.00 | $5,000.00 | $6,171.00 | $6,171.00 | $6,200.00 | $6,200.00 | $6,413.00 | $6,413.00 |
| 9.05 | 9040-108-A-1 | SWPPP PREPARATION & MANAGEMENT | LS | 1 | $4,500.00 | $4,500.00 | $5,967.00 | $5,967.00 | $6,000.00 | $6,000.00 | $6,201.00 | $6,201.00 |
| 9.06 | 9040-108-D-1 | FILTER SOCKS, 8 IN. | LF | 8430 | $2.25 | $18,967.50 | $1.43 | $12,054.90 | $1.45 | $12,223.50 | $1.48 | $12,476.40 |
| 9.07 | 9040-108-D-2 | FILTER SOCKS, REMOVAL | LF | 8430 | $0.25 | $2,107.50 | $0.20 | $1,686.00 | $0.20 | $1,686.00 | $0.21 | $1,770.30 |
| 9.08 | 9040-108-E-0 | TEMPORARY RECP, TYPE 2.B | SY | 1862 | $6.50 | $12,103.00 | $1.19 | $2,215.78 | $1.20 | $2,234.40 | $1.24 | $2,308.88 |
| 9.09 | 9040-108-G-1 | CHECK DAM, ROCK | TON | 40.5 | $56.00 | $2,268.00 | $89.81 | $3,637.31 | $67.00 | $2,713.50 | $59.36 | $2,404.08 |
| 9.10 | 9040-108-J-0 | RIP RAP, CLASS E | TON | 891 | $60.00 | $53,460.00 | $52.03 | $46,358.73 | $54.00 | $48,114.00 | $67.84 | $60,445.44 |
| 9.11 | 9040-108-N-1 | SILT FENCE, INSTALLATION | LF | 11040 | $1.50 | $16,560.00 | $1.43 | $15,787.20 | $1.45 | $16,008.00 | $1.48 | $16,339.20 |
| 9.12 | 9040-108-N-2 | SILT FENCE, REMOVAL OF SEDIMENT | LF | 883 | $0.10 | $88.30 | $0.05 | $44.15 | $0.05 | $44.15 | $0.05 | $44.15 |
| 9.13 | 9040-108-N-3 | SILT FENCE, REMOVAL OF DEVICE | LF | 8832 | $0.20 | $1,766.40 | $0.05 | $441.60 | $0.05 | $441.60 | $0.05 | $441.60 |
| 9.14 | 9040-108-O-1 | STABILIZED CONSTRUCTION ENTRANCE | SY | 344 | $15.00 | $5,160.00 | $8.56 | $2,944.64 | $13.50 | $4,644.00 | $11.66 | $4,011.04 |
| 9.15 | 9040-108-Q-2 | EROSION CONTROL MULCH, HYDROMULCH | AC | 13.51 | $1,200.00 | $16,212.00 | $1,224.00 | $16,536.24 | $1,230.00 | $16,617.30 | $1,272.00 | $17,184.72 |
| 9.16 | 9040-108-T-1 | INLET PROTECTION DEVICE, INSTALLATION | EA | 22 | $150.00 | $3,300.00 | $136.75 | $3,008.50 | $137.00 | $3,014.00 | $142.04 | $3,124.88 |
| 9.17 | 9040-108-T-2 | INLET PROTECTION DEVICE, MAINTENANCE | EA | 22 | $20.00 | $440.00 | $20.40 | $448.80 | $20.00 | $440.00 | $21.20 | $466.40 |
| 9.18 | 9060-108-E-0 | REMOVAL OF FENCE | LF | 331 | $4.00 | $1,324.00 | $3.01 | $996.31 | $4.45 | $1,472.95 | $10.60 | $3,508.60 |
| 9.19 | 2519-3300400 | FIELD FENCE BRACE PANEL | EA | 2 | $200.00 | $400.00 | $331.50 | $663.00 | $462.00 | $924.00 | $344.50 | $689.00 |
| DIVISION 11 - MISCELLANEOUS | | | | | | | | | | | | |
| 11.01 | 11010-108-A-0 | CONSTRUCTION SURVEY | LS | 1 | $25,000.00 | $25,000.00 | $25,460.00 | $25,460.00 | $36,155.00 | $36,155.00 | $38,690.00 | $38,690.00 |
| 11.02 | 11050-108-A-0 | CONCRETE WASHOUT | LS | 1 | $2,400.00 | $2,400.00 | $10,865.00 | $10,865.00 | $10,863.00 | $10,863.00 | $10,760.99 | $10,760.99 |
| 11.03 | 2599-9999005 | PRIMARY HAND HOLES (48"x72"x48" DEEP) | EA | 9 | $9,000.00 | $81,000.00 | $8,511.00 | $76,599.00 | $8,510.00 | $76,590.00 | $3,555.35 | $31,998.15 |
| 11.04 | 2599-9999005 | SECONDARY HAND HOLES (30"x48"x36" DEEP) | EA | 9 | $5,000.00 | $45,000.00 | $1,315.00 | $11,835.00 | $1,315.00 | $11,835.00 | $2,377.61 | $21,398.49 |
| 11.05 | 2599-9999009 | JOINT TRENCH | LF | 4220 | $65.00 | $274,300.00 | $51.00 | $215,220.00 | $51.00 | $215,220.00 | $26.50 | $111,830.00 |
| 11.06 | 2599-9999009 | PVC SCHEDULE 40, 24 INCH | LF | 1087 | $100.00 | $108,700.00 | $542.50 | $589,697.50 | $390.00 | $423,930.00 | | |
| 11.07 | 2599-9999009 | PLACEMENT OF CONDUIT IN TRENCH (4 IN.) | LF | 50640 | $6.25 | $316,500.00 | $5.22 | $264,340.80 | $5.75 | $291,180.00 | $13.78 | $697,819.20 |
| 11.08 | 2599-9999009 | PULL ROPE WITH TRACE WIRE INSTALLATION | LF | 8440 | $1.25 | $10,550.00 | $1.53 | $12,913.20 | $1.50 | $12,660.00 | $2.47 | $20,846.80 |
| 11.09 | 2599-9999010 | TESTING OF DUCT BANK CONDUIT | LS | 1 | $15,000.00 | $15,000.00 | $15,496.00 | $15,496.00 | $15,500.00 | $15,500.00 | $5,300.00 | $5,300.00 |
| DIVISION 12 - STRUCTURES | | | | | | | | | | | | |
| 12.01 | 2102-0425071 | SPECIAL BACKFILL | CY | 1069 | $40.00 | $42,760.00 | $56.10 | $59,970.90 | $56.00 | $59,864.00 | $58.30 | $62,322.70 |
| 12.02 | 2402-0425030 | GRANULAR BACKFILL | CY | 561 | $30.00 | $16,830.00 | $61.20 | $34,333.20 | $61.50 | $34,501.50 | $104.94 | $58,871.34 |
| 12.03 | 2402-2720000 | EXCAVATION, CLASS 20 | CY | 3438 | $20.00 | $68,760.00 | $8.16 | $28,054.08 | $8.00 | $27,504.00 | $5.30 | $18,221.40 |
| 12.04 | 2403-0100020 | STRUCTURAL CONCRETE (RCB CULVERT) | CY | 835 | $700.00 | $584,500.00 | $403.00 | $336,505.00 | $405.00 | $338,175.00 | $445.93 | $372,351.55 |
| 12.05 | 2404-7775000 | REINFORCING STEEL | LB | 126330 | $1.25 | $157,912.50 | $1.07 | $135,173.10 | $1.05 | $132,646.50 | $1.28 | $161,702.40 |
| 12.06 | 2519-1002048 | FENCE, CHAIN LINK, VINYL COATED (BLACK) | LF | 138.9 | $90.00 | $12,501.00 | $100.75 | $13,994.18 | $88.00 | $12,223.20 | $104.68 | $14,540.05 |
| | | | | TOTAL BASE BID | | $6,507,769.20 | | $5,965,050.00 | | $6,198,262.90 | | $6,780,980.24 CORRECTED |

# BID TABULATIONS

olsson

**Client:** City of West Des Moines
**Project:** Grand Avenue (South Jordan Creek Parkway to South 88th Street)
**Project Number:** 0510-056-2018
**Bid Date:** 5/1/2019, 2 P.M.

| | | | | | ENGINEER'S ESTIMATE | | Alliance Construction Group, LLC 3000 SE Grimes Boulevard, Suite 800 Grimes, Iowa 50111 | | Elder Corporation 5018 East University Avenue Des Moines, Iowa 50327 | | Concrete Technologies, Inc. 1001 SE 37th Street Grimes, Iowa 50111 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NO. | ITEM CODE | ITEM DESCRIPTION | UNIT | QUANTITY | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ |
| DIVISION 2 - EARTHWORK, SUBGRADE AND SUBBASE | | | | | | | | | | | | |
| 2.01 | 2010-108-C-0 | CLEARING AND GRUBBING | LS | 1 | $15,000.00 | $15,000.00 | $11,500.00 | $11,500.00 | $11,000.00 | $11,000.00 | $12,100.00 | $12,100.00 |
| 2.02 | 2010-108-D-1 | TOPSOIL, ON-SITE | CY | 12159 | $7.00 | $85,113.00 | $7.50 | $91,192.50 | $7.45 | $90,584.55 | $7.85 | $95,448.15 |
| 2.03 | 2010-108-E-0 | EXCAVATION, CLASS 10 | CY | 3342 | $15.00 | $50,130.00 | $4.75 | $15,874.50 | $4.70 | $15,707.40 | $4.95 | $16,542.90 |
| 2.04 | 2010-108-E-0 | EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED | CY | 179886 | $9.00 | $1,618,974.00 | $10.50 | $1,888,803.00 | $10.20 | $1,834,837.20 | $10.75 | $1,933,774.50 |
| 2.05 | 2010-108-G-0 | SUBGRADE PREPARATION, 6 IN. | SY | 6296 | $2.00 | $12,592.00 | $2.75 | $17,314.00 | $2.60 | $16,369.60 | $2.75 | $17,314.00 |
| 2.06 | 2010-108-G-0 | SUBGRADE PREPARATION, 12 IN. | SY | 22213 | $3.00 | $66,639.00 | $3.50 | $77,745.50 | $3.25 | $72,192.25 | $3.40 | $75,524.20 |
| DIVISION 4 - SEWERS AND DRAINS | | | | | | | | | | | | |
| 4.01 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 18 IN. DIA. | LF | 871 | $60.00 | $52,260.00 | $75.00 | $65,325.00 | $63.00 | $54,873.00 | $62.00 | $54,002.00 |
| 4.02 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 24 IN. DIA. | LF | 117 | $75.00 | $8,775.00 | $90.00 | $10,530.00 | $78.00 | $9,126.00 | $76.75 | $8,979.75 |
| 4.03 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 30 IN. DIA. | LF | 52 | $100.00 | $5,200.00 | $125.00 | $6,500.00 | $106.00 | $5,512.00 | $104.00 | $5,408.00 |
| 4.04 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 36 IN. DIA. | LF | 2300 | $125.00 | $287,500.00 | $100.00 | $230,000.00 | $122.00 | $280,600.00 | $119.75 | $275,425.00 |
| 4.05 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 48 IN. DIA. | LF | 162 | $235.00 | $38,070.00 | $160.00 | $25,920.00 | $167.00 | $27,054.00 | $164.00 | $26,568.00 |
| 4.06 | 4020-108-H-1 | PRECAST PLUG, STORM SEWER, 24 IN. DIA., RCP CLASS III | EA | 1 | $350.00 | $350.00 | $1,200.00 | $1,200.00 | $590.00 | $590.00 | $577.50 | $577.50 |
| 4.07 | 4020-108-H-1 | PRECAST PLUG, STORM SEWER, 30 IN. DIA., RCP CLASS III | EA | 1 | $400.00 | $400.00 | $1,250.00 | $1,250.00 | $700.00 | $700.00 | $682.50 | $682.50 |
| 4.08 | 4030-108-A-1 | PIPE CULVERT, TRENCHED, RCP, 42 IN. DIA. | LF | 240 | $200.00 | $48,000.00 | $175.00 | $42,000.00 | $137.00 | $32,880.00 | $134.50 | $32,280.00 |
| 4.09 | 4030-108-B-0 | PIPE APRON, RCP, 36 IN. DIA. | EA | 1 | $3,000.00 | $3,000.00 | $4,200.00 | $4,200.00 | $3,300.00 | $3,300.00 | $3,255.00 | $3,255.00 |
| 4.10 | 4030-108-B-0 | PIPE APRON, RCP, 42 IN. DIA. | EA | 4 | $3,500.00 | $14,000.00 | $2,700.00 | $10,800.00 | $4,200.00 | $16,800.00 | $4,095.00 | $16,380.00 |
| 4.11 | 4030-108-B-0 | PIPE APRON, RCP, 48 IN. DIA. | EA | 2 | $5,000.00 | $10,000.00 | $3,100.00 | $6,200.00 | $4,800.00 | $9,600.00 | $4,725.00 | $9,450.00 |
| 4.12 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 36 IN. DIA. | EA | 1 | $800.00 | $800.00 | $700.00 | $700.00 | $1,000.00 | $1,000.00 | $998.00 | $998.00 |
| 4.13 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 42 IN. DIA. | EA | 4 | $1,000.00 | $4,000.00 | $700.00 | $2,800.00 | $1,200.00 | $4,800.00 | $1,155.00 | $4,620.00 |
| 4.14 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 48 IN. DIA. | EA | 2 | $1,200.00 | $2,400.00 | $800.00 | $1,600.00 | $1,500.00 | $3,000.00 | $1,470.00 | $2,940.00 |
| DIVISION 5 - WATER MAIN AND APPURTENANCES | | | | | | | | | | | | |
| 5.01 | 5010-108-A-1 | WATER MAIN, TRENCHED, PVC C900 DR18, 8 IN. | LF | 167 | $65.00 | $10,855.00 | $59.00 | $9,853.00 | $35.50 | $5,928.50 | $34.75 | $5,803.25 |
| 5.02 | 5010-108-A-1 | WATER MAIN, TRENCHED, PVC C900 DR18, 16 IN. | LF | 1094 | $115.00 | $125,810.00 | $72.00 | $78,768.00 | $56.50 | $61,811.00 | $55.75 | $60,990.50 |
| 5.03 | 5010-108-A-1 | WATER MAIN, TRENCHED, CL52 DUCTILE IRON, 16 IN. | LF | 60 | $170.00 | $10,200.00 | $111.00 | $6,660.00 | $290.00 | $17,400.00 | $287.00 | $17,220.00 |
| 5.04 | 5010-108-A-2 | WATER MAIN, TRENCHLESS, PVC C900 DR18, 8 IN. | LF | 328 | $125.00 | $41,000.00 | $130.00 | $42,640.00 | $96.50 | $31,652.00 | $94.50 | $30,996.00 |
| 5.05 | 5010-108-C-2 | WATER MAIN FITTINGS | LB | 3830 | $9.00 | $34,470.00 | $9.00 | $34,470.00 | $6.40 | $24,512.00 | $6.30 | $24,129.00 |
| 5.06 | 5020-108-A-0 | VALVE, GATE, 8 IN. | EA | 1 | $2,000.00 | $2,000.00 | $2,100.00 | $2,100.00 | $1,900.00 | $1,900.00 | $1,890.00 | $1,890.00 |
| 5.07 | 5020-108-A-0 | VALVE, GATE, 16 IN. | EA | 3 | $5,500.00 | $16,500.00 | $6,800.00 | $20,400.00 | $7,300.00 | $21,900.00 | $7,140.00 | $21,420.00 |
| 5.08 | 5020-108-C-0 | FIRE HYDRANT ASSEMBLY | EA | 4 | $5,000.00 | $20,000.00 | $4,800.00 | $19,200.00 | $5,300.00 | $21,200.00 | $5,250.00 | $21,000.00 |
| 5.09 | 5020-108-F-0 | VALVE BOX EXTENSION | EA | 1 | $450.00 | $450.00 | $575.00 | $575.00 | $270.00 | $270.00 | $263.00 | $263.00 |
| 5.10 | 2599-9999005 | CONNECT TO EXISTING WATER MAIN | EA | 2 | $1,500.00 | $3,000.00 | $6,000.00 | $12,000.00 | $7,300.00 | $14,600.00 | $7,140.00 | $14,280.00 |
| DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS | | | | | | | | | | | | |
| 6.01 | 6010-108-A-0 | MANHOLE, STORM SEWER, SW-401, 60 IN. | EA | 3 | $5,000.00 | $15,000.00 | $4,100.00 | $12,300.00 | $4,600.00 | $13,800.00 | $4,515.00 | $13,545.00 |
| 6.02 | 6010-108-A-0 | MANHOLE, STORM SEWER, SW-403 | EA | 1 | $12,000.00 | $12,000.00 | $7,500.00 | $7,500.00 | $12,000.00 | $12,000.00 | $11,550.00 | $11,550.00 |
| 6.03 | 6010-108-B-0 | INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503 | EA | 7 | $4,500.00 | $31,500.00 | $4,200.00 | $29,400.00 | $4,400.00 | $30,800.00 | $4,305.00 | $30,135.00 |
| 6.04 | 6010-108-B-0 | INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503 MODIFIED | EA | 5 | $10,000.00 | $50,000.00 | $6,700.00 | $33,500.00 | $7,100.00 | $35,500.00 | $6,930.00 | $34,650.00 |
| 6.05 | 6010-108-B-0 | INTAKE, DOUBLE GRATE INTAKE WITH MANHOLE, SW-506 | EA | 2 | $7,000.00 | $14,000.00 | $6,300.00 | $12,600.00 | $7,000.00 | $14,000.00 | $6,825.00 | $13,650.00 |
| 6.06 | 6010-108-B-0 | INTAKE, DOUBLE GRATE INTAKE WITH MANHOLE, SW-506 MODIFIED | EA | 2 | $14,000.00 | $28,000.00 | $9,700.00 | $19,400.00 | $9,800.00 | $19,600.00 | $9,660.00 | $19,320.00 |
| 6.07 | 6010-108-E-0 | MANHOLE ADJUSTMENT, MINOR | EA | 1 | $1,000.00 | $1,000.00 | $1,200.00 | $1,200.00 | $2,100.00 | $2,100.00 | $2,100.00 | $2,100.00 |
| 6.08 | 6010-108-F-0 | MANHOLE ADJUSTMENT, MAJOR | EA | 11 | $5,000.00 | $55,000.00 | $7,500.00 | $82,500.00 | $6,500.00 | $71,500.00 | $6,405.00 | $70,455.00 |
| DIVISION 7 - STREETS AND RELATED WORK | | | | | | | | | | | | |
| 7.01 | 7010-108-A-0 | 10 IN. PCC PAVEMENT, CLASS C-SUD REINFORCED W/ 8 IN. CURB | SY | 20301 | $65.00 | $1,319,565.00 | $72.00 | $1,461,672.00 | $62.00 | $1,258,662.00 | $58.00 | $1,177,458.00 |
| 7.02 | 7010-108-E-0 | CURB AND GUTTER, P.C.C., 2.5 FT. | LF | 231 | $30.00 | $6,930.00 | $35.00 | $8,085.00 | $41.50 | $9,586.50 | $39.00 | $9,009.00 |
| 7.03 | 7030-108-C-0 | SHARED USE PATH, REINFORCED PCC, 6 IN. | SY | 5250 | $55.00 | $288,750.00 | $45.00 | $236,250.00 | $37.50 | $196,875.00 | $35.00 | $183,750.00 |
| 7.04 | 7030-108-A-0 | REMOVAL OF SHARED USE PATH | SY | 354 | $8.00 | $2,832.00 | $15.50 | $5,487.00 | $15.00 | $5,310.00 | $15.75 | $5,575.50 |
| 7.05 | 7030-108-B-0 | REMOVAL OF CURB | LF | 48 | $2.00 | $96.00 | $45.00 | $2,160.00 | $41.50 | $1,992.00 | $43.75 | $2,100.00 |
| 7.06 | 7030-108-G-0 | DETECTABLE WARNING | SF | 80 | $40.00 | $3,200.00 | $50.00 | $4,000.00 | $38.50 | $3,080.00 | $36.00 | $2,880.00 |
| 7.07 | 7040-108-A-0 | FULL DEPTH PATCHES, 9" (MIN.) REINFORCED | SY | 560 | $115.00 | $64,400.00 | $135.00 | $75,600.00 | $119.50 | $66,920.00 | $112.00 | $62,720.00 |
| 7.08 | 7040-108-F-0 | DIAMOND GRINDING | SY | 75 | $35.00 | $2,625.00 | $55.00 | $4,125.00 | $52.50 | $3,937.50 | $49.00 | $3,675.00 |
| 7.09 | 7040-108-H-0 | PAVEMENT REMOVAL | SY | 983 | $6.00 | $5,898.00 | $20.00 | $19,660.00 | $19.00 | $18,677.00 | $20.00 | $19,660.00 |
| DIVISION 8 - TRAFFIC CONTROL | | | | | | | | | | | | |
| 8.01 | 8020-108-C-0 | PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE | STA | 138.8 | $150.00 | $20,820.00 | $90.00 | $12,492.00 | $79.00 | $10,965.20 | $78.75 | $10,930.50 |
| 8.02 | 8020-108-G-0 | PAINTED SYMBOLS AND LEGENDS | EA | 9 | $750.00 | $6,750.00 | $115.00 | $1,035.00 | $115.50 | $1,039.50 | $115.50 | $1,039.50 |
| 8.03 | 8030-108-A-0 | TEMPORARY TRAFFIC CONTROL | LS | 1 | $50,000.00 | $50,000.00 | $225,000.00 | $225,000.00 | $138,023.62 | $138,023.62 | $285,600.00 | $285,600.00 |

# BID TABULATIONS

olsson

**Client:** City of West Des Moines
**Project:** Grand Avenue (South Jordan Creek Parkway to South 88th Street)
**Project Number:** 0510-056-2018
**Bid Date:** 5/1/2019 2 P.M.

| | | | | | ENGINEER'S ESTIMATE | | Alliance Construction Group, LLC 3000 SE Grimes Boulevard, Suite 800 Grimes, Iowa 50111 | | Elder Corporation 5088 East University Avenue Des Moines, Iowa 50327 | | Concrete Technologies, Inc. 1001 SE 37th Street Grimes, Iowa 50111 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ITEM NO. | ITEM CODE | ITEM DESCRIPTION | UNIT | QUANTITY | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ | UNIT COST $ | COST $ |
| 8.04 | 2528-8445113 | FLAGGERS | EACH | 10 | $500.00 | $5,000.00 | $500.00 | $5,000.00 | $530.00 | $5,300.00 | $1,085.00 | $10,850.00 |
| 8.05 | 2528-9290050 | PORTABLE DYNAMIC MESSAGE SIGN (PDMS) | CDAY | 20 | $150.00 | $3,000.00 | $160.00 | $3,200.00 | $15.75 | $315.00 | $158.00 | $3,160.00 |
| DIVISION 9 - SITE WORK AND LANDSCAPING | | | | | | | | | | | | |
| 9.01 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 1 (PERM. LAWN MIX) | AC | 3.05 | $1,900.00 | $5,795.00 | $2,600.00 | $7,930.00 | $2,600.00 | $7,930.00 | $2,625.00 | $8,006.25 |
| 9.02 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 2 (PERM. COOL SEASON MIX.) | AC | 10.46 | $1,400.00 | $14,644.00 | $2,500.00 | $26,150.00 | $2,500.00 | $26,150.00 | $2,520.00 | $26,359.20 |
| 9.03 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 5 (RURAL TEMP. EC MIX.) | AC | 13.51 | $600.00 | $8,106.00 | $1,500.00 | $20,265.00 | $1,400.00 | $18,914.00 | $1,470.00 | $19,859.70 |
| 9.04 | 9010-108-E-0 | WARRANTY | LS | 1 | $5,000.00 | $5,000.00 | $6,200.00 | $6,200.00 | $5,300.00 | $5,300.00 | $6,350.00 | $6,350.00 |
| 9.05 | 9040-108-A-1 | SWPPP PREPARATION & MANAGEMENT | LS | 1 | $4,500.00 | $4,500.00 | $6,000.00 | $6,000.00 | $4,700.00 | $4,700.00 | $6,145.00 | $6,145.00 |
| 9.06 | 9040-108-D-1 | FILTER SOCKS, 8 IN. | LF | 8430 | $2.25 | $18,967.50 | $1.50 | $12,645.00 | $2.10 | $17,703.00 | $1.50 | $12,645.00 |
| 9.07 | 9040-108-D-2 | FILTER SOCKS, REMOVAL | LF | 8430 | $0.25 | $2,107.50 | $0.25 | $2,107.50 | $0.25 | $2,107.50 | $0.25 | $2,107.50 |
| 9.08 | 9040-108-E-0 | TEMPORARY RECP, TYPE 2.B | SY | 1862 | $6.50 | $12,103.00 | $1.25 | $2,327.50 | $1.95 | $3,630.90 | $1.25 | $2,327.50 |
| 9.09 | 9040-108-G-1 | CHECK DAM, ROCK | TON | 40.5 | $56.00 | $2,268.00 | $70.00 | $2,835.00 | $67.50 | $2,733.75 | $71.50 | $2,895.75 |
| 9.10 | 9040-108-J-0 | RIP RAP, CLASS E | TON | 891 | $60.00 | $53,460.00 | $70.00 | $62,370.00 | $67.50 | $60,142.50 | $67.25 | $59,919.75 |
| 9.11 | 9040-108-N-1 | SILT FENCE, INSTALLATION | LF | 11040 | $1.50 | $16,560.00 | $1.50 | $16,560.00 | $1.35 | $14,904.00 | $1.50 | $16,560.00 |
| 9.12 | 9040-108-N-2 | SILT FENCE, REMOVAL OF SEDIMENT | LF | 883 | $0.10 | $88.30 | $0.25 | $220.75 | $0.05 | $44.15 | $0.05 | $44.15 |
| 9.13 | 9040-108-N-3 | SILT FENCE, REMOVAL OF DEVICE | LF | 8832 | $0.20 | $1,766.40 | $0.25 | $2,208.00 | $0.05 | $441.60 | $0.05 | $441.60 |
| 9.14 | 9040-108-O-1 | STABILIZED CONSTRUCTION ENTRANCE | SY | 344 | $15.00 | $5,160.00 | $65.00 | $22,360.00 | $62.00 | $21,328.00 | $40.00 | $13,760.00 |
| 9.15 | 9040-108-Q-2 | EROSION CONTROL MULCH, HYDROMULCH | AC | 13.51 | $1,200.00 | $16,212.00 | $1,300.00 | $17,563.00 | $1,100.00 | $14,861.00 | $1,260.00 | $17,022.60 |
| 9.16 | 9040-108-T-1 | INLET PROTECTION DEVICE, INSTALLATION | EA | 22 | $150.00 | $3,300.00 | $140.00 | $3,080.00 | $131.50 | $2,893.00 | $141.00 | $3,102.00 |
| 9.17 | 9040-108-T-2 | INLET PROTECTION DEVICE, MAINTENANCE | EA | 22 | $20.00 | $440.00 | $25.00 | $550.00 | $26.25 | $577.50 | $21.00 | $462.00 |
| 9.18 | 9060-108-E-0 | REMOVAL OF FENCE | LF | 331 | $4.00 | $1,324.00 | $4.25 | $1,406.75 | $4.20 | $1,390.20 | $8.25 | $2,730.75 |
| 9.19 | 2519-3300400 | FIELD FENCE BRACE PANEL | EA | 2 | $200.00 | $400.00 | $450.00 | $900.00 | $1,000.00 | $2,000.00 | $480.00 | $960.00 |
| DIVISION 11 - MISCELLANEOUS | | | | | | | | | | | | |
| 11.01 | 11010-108-A-0 | CONSTRUCTION SURVEY | LS | 1 | $25,000.00 | $25,000.00 | $35,000.00 | $35,000.00 | $30,000.00 | $30,000.00 | $29,925.00 | $29,925.00 |
| 11.02 | 11050-108-A-0 | CONCRETE WASHOUT | LS | 1 | $2,400.00 | $2,400.00 | $11,500.00 | $11,500.00 | $11,000.00 | $11,000.00 | $10,650.00 | $10,650.00 |
| 11.03 | 2599-9999005 | PRIMARY HAND HOLES (48"x72"x48" DEEP) | EA | 9 | $9,000.00 | $81,000.00 | $8,500.00 | $76,500.00 | $13,000.00 | $117,000.00 | $13,125.00 | $118,125.00 |
| 11.04 | 2599-9999005 | SECONDARY HAND HOLES (30"x48"x36" DEEP) | EA | 9 | $5,000.00 | $45,000.00 | $1,350.00 | $12,150.00 | $7,900.00 | $71,100.00 | $7,875.00 | $70,875.00 |
| 11.05 | 2599-9999009 | JOINT TRENCH | LF | 4220 | $65.00 | $274,300.00 | $51.50 | $217,330.00 | $289.00 | $1,219,580.00 | $290.00 | $1,223,800.00 |
| 11.06 | 2599-9999009 | PVC SCHEDULE 40, 24 INCH | LF | 1087 | $100.00 | $108,700.00 | $550.00 | $597,850.00 | $103.00 | $111,961.00 | $103.00 | $111,961.00 |
| 11.07 | 2599-9999009 | PLACEMENT OF CONDUIT IN TRENCH (4 IN.) | LF | 50640 | $6.25 | $316,500.00 | $5.25 | $265,860.00 | $8.65 | $438,036.00 | $8.72 | $441,580.80 |
| 11.08 | 2599-9999009 | PULL ROPE WITH TRACE WIRE INSTALLATION | LF | 8440 | $1.25 | $10,550.00 | $1.60 | $13,504.00 | $2.10 | $17,724.00 | $2.10 | $17,724.00 |
| 11.09 | 2599-9999010 | TESTING OF DUCT BANK CONDUIT | LS | 1 | $15,000.00 | $15,000.00 | $17,000.00 | $17,000.00 | $27,000.00 | $27,000.00 | $26,775.00 | $26,775.00 |
| DIVISION 12 - STRUCTURES | | | | | | | | | | | | |
| 12.01 | 2102-0425071 | SPECIAL BACKFILL | CY | 1069 | $40.00 | $42,760.00 | $57.00 | $60,933.00 | $58.00 | $62,002.00 | $55.00 | $58,795.00 |
| 12.02 | 2402-0425030 | GRANULAR BACKFILL | CY | 561 | $30.00 | $16,830.00 | $62.00 | $34,782.00 | $63.00 | $35,343.00 | $50.50 | $28,330.50 |
| 12.03 | 2402-2720000 | EXCAVATION, CLASS 20 | CY | 3438 | $20.00 | $68,760.00 | $8.25 | $28,363.50 | $8.40 | $28,879.20 | $7.50 | $25,785.00 |
| 12.04 | 2403-0100020 | STRUCTURAL CONCRETE (RCB CULVERT) | CY | 835 | $700.00 | $584,500.00 | $425.00 | $354,875.00 | $410.00 | $342,350.00 | $488.00 | $407,480.00 |
| 12.05 | 2404-7775000 | REINFORCING STEEL | LB | 126330 | $1.25 | $157,912.50 | $1.10 | $138,963.00 | $1.10 | $138,963.00 | $1.05 | $132,646.50 |
| 12.06 | 2519-1002048 | FENCE, CHAIN LINK, VINYL COATED (BLACK) | LF | 138.9 | $90.00 | $12,501.00 | $90.00 | $12,501.00 | $31.50 | $4,375.35 | $104.00 | $14,445.60 |
| | | | | TOTAL BASE BID | | $6,507,769.20 | | $7,091,076.50 | | $7,474,747.47 | | $7,684,670.90 |

# BID TABULATIONS

olsson

**Client:** City of West Des Moines
**Project:** Grand Avenue (South Jordan Creek Parkway to South 88th Street)
**Project Number:** 0510-056-2018
**Bid Date:** 5/1/2019, 2 P.M.

| | | | | | ENGINEER'S ESTIMATE | | Absolute Concrete P.O. Box 148 Slater, Iowa 50244 | |
|---|---|---|---|---|---|---|---|---|
| ITEM NO. | ITEM CODE | ITEM DESCRIPTION | UNIT | QUANTITY | UNIT COST $ | COST $ | UNIT COST $ | COST $ |
| DIVISION 2 - EARTHWORK, SUBGRADE AND SUBBASE | | | | | | | | |
| 2.01 | 2010-108-C-0 | CLEARING AND GRUBBING | LS | 1 | $15,000.00 | $15,000.00 | $9,020.00 | $9,020.00 |
| 2.02 | 2010-108-D-1 | TOPSOIL, ON-SITE | CY | 12159 | $7.00 | $85,113.00 | $7.85 | $95,448.15 |
| 2.03 | 2010-108-E-0 | EXCAVATION, CLASS 10 | CY | 3342 | $15.00 | $50,130.00 | $4.95 | $16,542.90 |
| 2.04 | 2010-108-E-0 | EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED | CY | 179886 | $9.00 | $1,618,974.00 | $10.75 | $1,933,774.50 |
| 2.05 | 2010-108-G-0 | SUBGRADE PREPARATION, 6 IN. | SY | 6296 | $2.00 | $12,592.00 | $2.75 | $17,314.00 |
| 2.06 | 2010-108-G-0 | SUBGRADE PREPARATION, 12 IN. | SY | 22213 | $3.00 | $66,639.00 | $3.45 | $76,634.85 |
| DIVISION 4 - SEWERS AND DRAINS | | | | | | | | |
| 4.01 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 18 IN. DIA. | LF | 871 | $60.00 | $52,260.00 | $75.85 | $66,065.35 |
| 4.02 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 24 IN. DIA. | LF | 117 | $75.00 | $8,775.00 | $88.15 | $10,313.55 |
| 4.03 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 30 IN. DIA. | LF | 52 | $100.00 | $5,200.00 | $120.95 | $6,289.40 |
| 4.04 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 36 IN. DIA. | LF | 2300 | $125.00 | $287,500.00 | $98.40 | $226,320.00 |
| 4.05 | 4020-108-A-1 | STORM SEWER, TRENCHED, RCP, 48 IN. DIA. | LF | 162 | $235.00 | $38,070.00 | $161.95 | $26,235.90 |
| 4.06 | 4020-108-H-1 | PRECAST PLUG, STORM SEWER, 24 IN. DIA., RCP CLASS III | EA | 1 | $350.00 | $350.00 | $1,155.00 | $1,155.00 |
| 4.07 | 4020-108-H-1 | PRECAST PLUG, STORM SEWER, 30 IN. DIA., RCP CLASS III | EA | 1 | $400.00 | $400.00 | $1,220.00 | $1,220.00 |
| 4.08 | 4030-108-A-1 | PIPE CULVERT, TRENCHED, RCP, 42 IN. DIA. | LF | 240 | $200.00 | $48,000.00 | $178.00 | $42,720.00 |
| 4.09 | 4030-108-B-0 | PIPE APRON, RCP, 36 IN. DIA. | EA | 1 | $3,000.00 | $3,000.00 | $4,205.00 | $4,205.00 |
| 4.10 | 4030-108-B-0 | PIPE APRON, RCP, 42 IN. DIA. | EA | 4 | $3,500.00 | $14,000.00 | $2,720.00 | $10,880.00 |
| 4.11 | 4030-108-B-0 | PIPE APRON, RCP, 48 IN. DIA. | EA | 2 | $5,000.00 | $10,000.00 | $3,075.00 | $6,150.00 |
| 4.12 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 36 IN. DIA. | EA | 1 | $800.00 | $800.00 | $895.00 | $895.00 |
| 4.13 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 42 IN. DIA. | EA | 4 | $1,000.00 | $4,000.00 | $705.00 | $2,820.00 |
| 4.14 | 4030-108-C-0 | PIPE APRON FOOTING, RCP, 48 IN. DIA. | EA | 2 | $1,200.00 | $2,400.00 | $810.00 | $1,620.00 |
| DIVISION 5 - WATER MAIN AND APPURTENANCES | | | | | | | | |
| 5.01 | 5010-108-A-1 | WATER MAIN, TRENCHED, PVC C900 DR18, 8 IN. | LF | 167 | $65.00 | $10,855.00 | $59.45 | $9,928.15 |
| 5.02 | 5010-108-A-1 | WATER MAIN, TRENCHED, PVC C900 DR18, 16 IN. | LF | 1094 | $115.00 | $125,810.00 | $71.75 | $78,494.50 |
| 5.03 | 5010-108-A-1 | WATER MAIN, TRENCHED, CL52 DUCTILE IRON, 16 IN. | LF | 60 | $170.00 | $10,200.00 | $112.25 | $6,735.00 |
| 5.04 | 5010-108-A-2 | WATER MAIN, TRENCHLESS, PVC C900 DR18, 8 IN. | LF | 328 | $125.00 | $41,000.00 | $127.10 | $41,688.80 |
| 5.05 | 5010-108-C-2 | WATER MAIN FITTINGS | LB | 3830 | $9.00 | $34,470.00 | $8.85 | $33,895.50 |
| 5.06 | 5020-108-A-0 | VALVE, GATE, 8 IN. | EA | 1 | $2,000.00 | $2,000.00 | $2,090.00 | $2,090.00 |
| 5.07 | 5020-108-A-0 | VALVE, GATE, 16 IN. | EA | 3 | $5,500.00 | $16,500.00 | $6,800.00 | $20,400.00 |
| 5.08 | 5020-108-C-0 | FIRE HYDRANT ASSEMBLY | EA | 4 | $5,000.00 | $20,000.00 | $4,815.00 | $19,260.00 |
| 5.09 | 5020-108-F-0 | VALVE BOX EXTENSION | EA | 1 | $450.00 | $450.00 | $565.00 | $565.00 |
| 5.10 | 2599-9999005 | CONNECT TO EXISTING WATER MAIN | EA | 2 | $1,500.00 | $3,000.00 | $5,930.00 | $11,860.00 |
| DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS | | | | | | | | |
| 6.01 | 6010-108-A-0 | MANHOLE, STORM SEWER, SW-401, 60 IN. | EA | 3 | $5,000.00 | $15,000.00 | $4,070.00 | $12,210.00 |
| 6.02 | 6010-108-A-0 | MANHOLE, STORM SEWER, SW-403 | EA | 1 | $12,000.00 | $12,000.00 | $7,330.00 | $7,330.00 |
| 6.03 | 6010-108-B-0 | INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503 | EA | 7 | $4,500.00 | $31,500.00 | $4,100.00 | $28,700.00 |
| 6.04 | 6010-108-B-0 | INTAKE, SINGLE GRATE INTAKE WITH MANHOLE, SW-503 MODIFIED | EA | 5 | $10,000.00 | $50,000.00 | $6,669.00 | $33,345.00 |
| 6.05 | 6010-108-B-0 | INTAKE, DOUBLE GRATE INTAKE WITH MANHOLE, SW-506 | EA | 2 | $7,000.00 | $14,000.00 | $6,305.00 | $12,610.00 |
| 6.06 | 6010-108-B-0 | INTAKE, DOUBLE GRATE INTAKE WITH MANHOLE, SW-506 MODIFIED | EA | 2 | $14,000.00 | $28,000.00 | $9,750.00 | $19,500.00 |
| 6.07 | 6010-108-E-0 | MANHOLE ADJUSTMENT, MINOR | EA | 1 | $1,000.00 | $1,000.00 | $1,130.00 | $1,130.00 |
| 6.08 | 6010-108-F-0 | MANHOLE ADJUSTMENT, MAJOR | EA | 11 | $5,000.00 | $55,000.00 | $7,510.00 | $82,610.00 |
| DIVISION 7 - STREETS AND RELATED WORK | | | | | | | | |
| 7.01 | 7010-108-A-0 | 10 IN. PCC PAVEMENT, CLASS C-SUD REINFORCED W/ 8 IN. CURB | SY | 20301 | $65.00 | $1,319,565.00 | $69.00 | $1,400,769.00 |
| 7.02 | 7010-108-E-0 | CURB AND GUTTER, P.C.C., 2.5 FT. | LF | 231 | $30.00 | $6,930.00 | $52.50 | $12,127.50 |
| 7.03 | 7030-108-C-0 | SHARED USE PATH, REINFORCED PCC, 6 IN. | SY | 5250 | $55.00 | $288,750.00 | $44.50 | $233,625.00 |
| 7.04 | 7030-108-A-0 | REMOVAL OF SHARED USE PATH | SY | 354 | $8.00 | $2,832.00 | $15.80 | $5,593.20 |
| 7.05 | 7030-108-B-0 | REMOVAL OF CURB | LF | 48 | $2.00 | $96.00 | $44.00 | $2,112.00 |
| 7.06 | 7030-108-G-0 | DETECTABLE WARNING | SF | 80 | $40.00 | $3,200.00 | $35.00 | $2,800.00 |
| 7.07 | 7040-108-A-0 | FULL DEPTH PATCHES, 9" (MIN.) REINFORCED | SY | 560 | $115.00 | $64,400.00 | $160.00 | $89,600.00 |
| 7.08 | 7040-108-F-0 | DIAMOND GRINDING | SY | 75 | $35.00 | $2,625.00 | $49.00 | $3,675.00 |
| 7.09 | 7040-108-H-0 | PAVEMENT REMOVAL | SY | 983 | $6.00 | $5,898.00 | $20.00 | $19,660.00 |
| DIVISION 8 - TRAFFIC CONTROL | | | | | | | | |
| 8.01 | 8020-108-C-0 | PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE | STA | 138.8 | $150.00 | $20,820.00 | $77.00 | $10,687.60 |
| 8.02 | 8020-108-G-0 | PAINTED SYMBOLS AND LEGENDS | EA | 9 | $750.00 | $6,750.00 | $115.00 | $1,035.00 |
| 8.03 | 8030-108-A-0 | TEMPORARY TRAFFIC CONTROL | LS | 1 | $50,000.00 | $50,000.00 | $45,000.00 | $45,000.00 |
| 8.04 | 2528-8445113 | FLAGGERS | EACH | 10 | $500.00 | $5,000.00 | $480.00 | $4,800.00 |
| 8.05 | 2528-9290050 | PORTABLE DYNAMIC MESSAGE SIGN (PDMS) | CDAY | 20 | $150.00 | $3,000.00 | $155.00 | $3,100.00 |

# BID TABULATIONS

olsson

**Client:** City of West Des Moines
**Project:** Grand Avenue (South Jordan Creek Parkway to South 88th Street)
**Project Number:** 0510-056-2018
**Bid Date:** 5/1/2019, 2 P.M.

| | | | | | ENGINEER'S ESTIMATE | | Absolute Concrete P.O. Box 148 Slater, Iowa 50244 | |
|---|---|---|---|---|---|---|---|---|
| ITEM NO. | ITEM CODE | ITEM DESCRIPTION | UNIT | QUANTITY | UNIT COST $ | COST $ | UNIT COST $ | COST $ |
| DIVISION 9 - SITE WORK AND LANDSCAPING | | | | | | | | |
| 9.01 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 1 (PERM. LAWN MIX) | AC | 3.05 | $1,900.00 | $5,795.00 | $3,500.00 | $10,675.00 |
| 9.02 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 2 (PERM. COOL SEASON MIX.) | AC | 10.46 | $1,400.00 | $14,644.00 | $2,500.00 | $26,150.00 |
| 9.03 | 9010-108-B-0 | SEEDING, FERTILIZING, AND MULCHING FOR HYDRAULIC SEED., TYPE 5 (RURAL TEMP. EC MIX.) | AC | 13.51 | $600.00 | $8,106.00 | $2,250.00 | $30,397.50 |
| 9.04 | 9010-108-E-0 | WARRANTY | LS | 1 | $5,000.00 | $5,000.00 | $7,500.00 | $7,500.00 |
| 9.05 | 9040-108-A-1 | SWPPP PREPARATION & MANAGEMENT | LS | 1 | $4,500.00 | $4,500.00 | $5,000.00 | $5,000.00 |
| 9.06 | 9040-108-D-1 | FILTER SOCKS, 8 IN. | LF | 8430 | $2.25 | $18,967.50 | $3.50 | $29,505.00 |
| 9.07 | 9040-108-D-2 | FILTER SOCKS, REMOVAL | LF | 8430 | $0.25 | $2,107.50 | $0.50 | $4,215.00 |
| 9.08 | 9040-108-E-0 | TEMPORARY RECP, TYPE 2.B | SY | 1862 | $6.50 | $12,103.00 | $4.00 | $7,448.00 |
| 9.09 | 9040-108-G-1 | CHECK DAM, ROCK | TON | 40.5 | $56.00 | $2,268.00 | $75.00 | $3,037.50 |
| 9.10 | 9040-108-J-0 | RIP RAP, CLASS E | TON | 891 | $60.00 | $53,460.00 | $71.00 | $63,261.00 |
| 9.11 | 9040-108-N-1 | SILT FENCE, INSTALLATION | LF | 11040 | $1.50 | $16,560.00 | $1.50 | $16,560.00 |
| 9.12 | 9040-108-N-2 | SILT FENCE, REMOVAL OF SEDIMENT | LF | 883 | $0.10 | $88.30 | $0.05 | $44.15 |
| 9.13 | 9040-108-N-3 | SILT FENCE, REMOVAL OF DEVICE | LF | 8832 | $0.20 | $1,766.40 | $0.05 | $441.60 |
| 9.14 | 9040-108-O-1 | STABILIZED CONSTRUCTION ENTRANCE | SY | 344 | $15.00 | $5,160.00 | $66.00 | $22,704.00 |
| 9.15 | 9040-108-Q-2 | EROSION CONTROL MULCH, HYDROMULCH | AC | 13.51 | $1,200.00 | $16,212.00 | $1,750.00 | $23,642.50 |
| 9.16 | 9040-108-T-1 | INLET PROTECTION DEVICE, INSTALLATION | EA | 22 | $150.00 | $3,300.00 | $175.00 | $3,850.00 |
| 9.17 | 9040-108-T-2 | INLET PROTECTION DEVICE, MAINTENANCE | EA | 22 | $20.00 | $440.00 | $25.00 | $550.00 |
| 9.18 | 9060-108-E-0 | REMOVAL OF FENCE | LF | 331 | $4.00 | $1,324.00 | $3.75 | $1,241.25 |
| 9.19 | 2519-3300400 | FIELD FENCE BRACE PANEL | EA | 2 | $200.00 | $400.00 | $500.00 | $1,000.00 |
| DIVISION 11 - MISCELLANEOUS | | | | | | | | |
| 11.01 | 11010-108-A-0 | CONSTRUCTION SURVEY | LS | 1 | $25,000.00 | $25,000.00 | $35,000.00 | $35,000.00 |
| 11.02 | 11050-108-A-0 | CONCRETE WASHOUT | LS | 1 | $2,400.00 | $2,400.00 | $10,000.00 | $10,000.00 |
| 11.03 | 2599-9999005 | PRIMARY HAND HOLES (48"x72"x48" DEEP) | EA | 9 | $9,000.00 | $81,000.00 | $12,850.00 | $115,650.00 |
| 11.04 | 2599-9999005 | SECONDARY HAND HOLES (30"x48"x36" DEEP) | EA | 9 | $5,000.00 | $45,000.00 | $7,690.00 | $69,210.00 |
| 11.05 | 2599-9999009 | JOINT TRENCH | LF | 4220 | $65.00 | $274,300.00 | $285.00 | $1,202,700.00 |
| 11.06 | 2599-9999009 | PVC SCHEDULE 40, 24 INCH | LF | 1087 | $100.00 | $108,700.00 | $100.45 | $109,189.15 |
| 11.07 | 2599-9999009 | PLACEMENT OF CONDUIT IN TRENCH (4 IN.) | LF | 50640 | $6.25 | $316,500.00 | $8.50 | $430,440.00 |
| 11.08 | 2599-9999009 | PULL ROPE WITH TRACE WIRE INSTALLATION | LF | 8440 | $1.25 | $10,550.00 | $2.05 | $17,302.00 |
| 11.09 | 2599-9999010 | TESTING OF DUCT BANK CONDUIT | LS | 1 | $15,000.00 | $15,000.00 | $26,500.00 | $26,500.00 |
| DIVISION 12 - STRUCTURES | | | | | | | | |
| 12.01 | 2102-0425071 | SPECIAL BACKFILL | CY | 1069 | $40.00 | $42,760.00 | $56.50 | $60,398.50 |
| 12.02 | 2402-0425030 | GRANULAR BACKFILL | CY | 561 | $30.00 | $16,830.00 | $61.50 | $34,501.50 |
| 12.03 | 2402-2720000 | EXCAVATION, CLASS 20 | CY | 3438 | $20.00 | $68,760.00 | $8.20 | $28,191.60 |
| 12.04 | 2403-0100020 | STRUCTURAL CONCRETE (RCB CULVERT) | CY | 835 | $700.00 | $584,500.00 | $405.00 | $338,175.00 |
| 12.05 | 2404-7775000 | REINFORCING STEEL | LB | 126330 | $1.25 | $157,912.50 | $1.10 | $138,963.00 |
| 12.06 | 2519-1002048 | FENCE, CHAIN LINK, VINYL COATED (BLACK) | LF | 138.9 | $90.00 | $12,501.00 | $87.00 | $12,084.30 |
| | | | | TOTAL BASE BID | | $6,507,769.20 | | $7,698,087.40 |

LICENSED PROFESSIONAL ENGINEER
MICHAEL A. JACKSON
10691
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

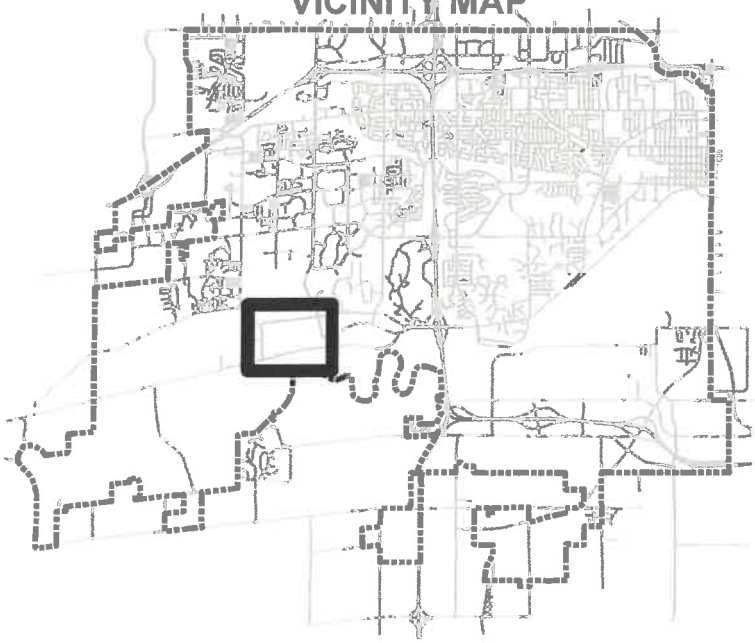
MICHAEL A. JACKSON, P.E. — 5/1/2019 DATE

License Number: 10691

My license renewal date is December 31, 2020

Pages or sheets covered by this seal: All sheets included within the estimate.

## VICINITY MAP



## LEGEND

**PROJECT LOCATION**

N
W E
S

THE CITY OF WEST DES MOINES

PROJECT:

# Grand Avenue - S. Jordan Creek Pkwy to S. 88th St

LOCATION: **Exhibit "A"**

| DRAWN BY: JDR | DATE: 10/2/2018 | PROJECT NUMBER/NAME: 0510-056-2018 | SHT. 1 of 1 |
|---|---|---|---|