

**COUNCIL ACTION FORM**

**SUBJECT: RENEWAL OF ELECTRIC SERVICES UNDERGROUND TRENCHING CONTRACT**

**BACKGROUND:**

This contract consists of a contractor furnishing all equipment, tools, labor, and materials not supplied by Electric Services for excavating, trenching, directional boring, and backfilling for installation of conduits, ground sleeves, box pads, vaults, handholes, and other appurtenances. This consists of emergency service, as well as regularly planned repairs and services.

On June 25, 2019, City Council awarded the **primary contract** to Ames Trenching & Excavating, Ames, IA, in an amount not-to-exceed \$200,000, and the **secondary contract** to Zoske Electrical Services, Inc., Des Moines, IA, in an amount not-to-exceed \$100,000.

Each contract has the option for the City to renew in one-year increments for up to four additional years. This option includes a rate provision which increases rates at fixed percentages above the previous fiscal year contracted rates at time of renewal. For the **primary contract** with Ames Trenching & Excavating, the fixed rates for FY 2020/21 include labor increase of 5% and no increases for equipment and tools. For the **secondary contract** with Zoske Electrical Services, Inc., the fixed rates for FY 2020/21 include labor increase of 3% and no increases for equipment and tools. All increases are in accordance with the contract terms initially established. **This is the first renewal out of four maximums.**

**Staff recommends that these services continue to be outsourced on an annual renewable contract basis.** The benefits of having a contract for these services in place include the following:

- 1) Consistency of work and quality from a single contractor.
- 2) Reduction in the City's exposure to market forces regarding prices and availability for labor, travel, and supplies in preparation for a scheduled outage.
- 3) Rapid contractor mobilization to start emergency repairs, thus reducing generation downtime.
- 4) Saved City staff time obtaining quotes, evaluating bids and preparing specifications and other procurement documentation.

The total amount to be renewed for this contract will be a time and materials cost not to exceed \$300,000.

The approved FY 2020/21 operating budget for Underground System Improvements contains \$300,000. Trenching and excavation services are included in this amount. The trenching and excavation services covered by this contract would also be used for the relocation of Electric Services facilities to clear sites for Public Works roadway improvement projects. Funds have been designated in various CIP projects for those relocation activities.

**ALTERNATIVES:**

1. a. Approve the **primary contract** renewal with Ames Trenching & Excavating, Ames, IA, for the Underground Trenching Contract for Electric Services for the one-year period from July 1, 2020, through June 30, 2021, and approve contract and bond. Total work in FY 2020/21 shall be in an amount not-to-exceed \$200,000.
- b. Approve the **secondary contract** renewal with Zoske Electrical Services, Inc., Des Moines, IA, for the Underground Trenching Contract for Electric Services for the one-year period from July 1, 2020, through June 30, 2021, and approve contract and bond. Total work in FY 2020/21 shall be in an amount not-to-exceed \$100,000.
2. Cancel the renewal of the primary and/or secondary contract(s) and instruct staff to rebid these services.
3. Cancel the renewal of the primary and/or secondary contract(s) and purchase underground trenching services on an as-needed basis.

**MANAGER'S RECOMMENDED ACTION:**

These services are necessary to provide trenching and excavation for new construction, maintenance, and emergency repair activities for Electric Services. These contracts will establish rates for service and provide for guaranteed availability, thereby setting in place known rates for service and helping to control costs.

Having two contractors under contract allows the City to assign work to the secondary contractor if the primary contractor is busy and is unable to meet required project deadlines. This should reduce delays to project schedules.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |   |       |                      | <b>Ames Trenching &amp; Excavating, Inc. Ames,<br/>Iowa</b> |           |                      |
|---|------------|---|-------|----------------------|---|-----------|----------------------|
|   |            |   |       |                      | <b>Rates FY 2019-20</b>                                     |           |                      |
|   | Unit       | Description                             | UOM   | Est #<br>of<br>Units | Labor   | Materials | Labor &<br>Materials |
| A | TR-N       | Trenching - Normal<br>Depth             | FT    | 2000                 |   |           | \$ 12.16             |
| B | TR-X       | Trenching - Extra Depth                 | FT    | 400                  |   |           | \$ 15.80             |
| C | TR-SH      | Trenching -Shallow<br>Depth             | FT    | 250                  |   |           | \$ 8.51              |
| D | DUCT-1     | Install 1" Flex Duct in<br>Trench       | FT    | 250                  |   |           | \$ 1.22              |
| E | DUCT-2     | Install 2" PVC Duct in<br>Trench        | FT    | 2000                 |   |           | \$ 1.82              |
| F | DUCT-4     | Install 4" PVC Duct in<br>Trench        | FT    | 1000                 |   |           | \$ 2.43              |
| G | DUCT-6     | Install 6" PVC Duct in<br>Trench        | FT    | 400                  |   |           | \$ 3.65              |
| H | CONC. ENC. | Concrete Encasement<br>of Duct          | CU YD | 500                  |   |           | \$ 54.31             |
| I | BORE-2     | Directional Bore 2" Flex<br>Duct        | FT    | 1000                 |   |           | \$ 13.37             |
| J | BORE-4     | Directional Bore 4" Flex<br>Duct        | FT    | 1000                 |   |           | \$ 24.31             |
| K | BORE-6     | Directional Bore 6" Flex<br>Duct        | FT    | 1000                 |   |           | \$ 42.54             |
| L | HAND EX.   | Excavation By Hand                      | HR    | 100                  |   |           | \$ 54.31             |
| M | MACH. EX.  | Excavation By Machine                   | HR    | 25                   |   |           | \$ 121.28            |
| N | HAND TAMP  | Mechanical Tamping By<br>Hand           | HR    | 100                  |   |           | \$ 60.78             |
| O | MACH. TAMP | Mech. Tamping by<br>Machine             | HR    | 25                   |   |           | \$ 133.71            |
| P | ENC- SM    | Install Small Enclosure                 | EA    | 20                   |   |           | \$ 243.10            |
| Q | ENC-MD     | Install Medium<br>Enclosure             | EA    | 8                    |   |           | \$ 303.88            |
| R | ENC-LG     | Install Large Enclosure                 | EA    | 4                    |   |           | \$ 364.65            |
| S | ENC-AG     | Install Enclosure w/<br>Above Grade Lid | EA    | 20                   |   |           | \$ 243.10            |
| T | ENC-SW     | Install Enclosure in<br>Sidewalk        | EA    | 12                   |   |           | \$ 364.65            |
| U | ENC-SWGR   | Install Switchgear<br>Boxpad            | EA    | 6                    |   |           | \$ 850.85            |

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |  |       |                | <b>Ames Trenching &amp; Excavating, Inc. Ames, Iowa</b> |           |                   |
|---|------------|--|-------|----------------|---|-----------|-------------------|
|   |            |  |       |                | <b>Rates FY 2019-20</b>                                 |           |                   |
|   | Unit       | Description                              | UOM   | Est # of Units | Labor   | Materials | Labor & Materials |
| V   | JB-1PH     | Install 1-ph Primary Enclosure           | EA    | 6              |   |           | \$ 425.43         |
| W   | JB-3PH     | Install 3-ph Primary Enclosure           | EA    | 12             |   |           | \$ 425.43         |
| X   | XFMR-1PH   | Install 1-ph FG Transformer Pad          | EA    | 20             |   |           | \$ 486.20         |
| Y   | XFMR-3PH6  | Install 3-ph Conc Pad (6'x6')            | EA    | 6              |   |           | \$ 4,375.82       |
| Z   | XFMR-3PH9  | Install 3-ph Conc Pad (9'x9')            | EA    | 2              |   |           | \$ 5,712.88       |
| AA  | PCC-REM    | Concrete Removal                         | CU YD | 25             |   |           | \$ 60.75          |
| BB  | PCC        | Concrete Installation                    | CU YD | 25             |   |           | \$ 303.88         |
| CC  | BOLLARD    | Bollard Installation                     | EA    | 8              |   |           | \$ 364.65         |
| DD  | SEEDING    | Grass Seed & 1 Watering                  | SQ YD | 200            |   |           | \$ 243.10         |
| EE  | CORE-PVMNT | Pothole for Buried Utilities in Pavement | HR    | 100            |   |           | \$ 200.17         |
| FF  | CORE-GRASS | Pothole for Buried Utilities in Grass    | HR    | 50             |   |           | \$ 170.17         |
| <b>TOTAL ESTIMATED BASE COST</b>            |            |  |       |                |   |           |                   |
| All materials not supplied by City of Ames. |            |  |       |                | Cost + 15%  |           |                   |
| Equipment and Tools (to provide list)       |            |  |       |                | List provided   |           |                   |
| Subsistence                                 |            |  |       |                | \$ -  |           |                   |
| Travel                                      |            |  |       |                | \$ -  |           |                   |
| Mileage                                     |            |  |       |                | \$ -  |           |                   |
| <b>Price increases for renewal periods:</b> |            |  |       |                |   |           |                   |
| Labor rates                                 |            |  |       |                | 5% per year   |           |                   |
| Other:                                      |            |  |       |                |   |           |                   |
|   |            |  |       |                |   |           | _____ % per       |
|   |            |  |       |                |   |           | _____ % per       |
|   |            |  |       |                |   |           | _____ % per       |
| Office location                             |            |  |       |                | 1509 E Lincoln Way Ames                                 |           |                   |
| warehouse location                          |            |  |       |                | same  |           |                   |
| method to insure response time              |            |  |       |                | guaranteed 4 hours                                      |           |                   |

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |   |       |                      | Rates for FY 2020-21 |
|---|------------|---|-------|----------------------|----------------------|
|   | Unit       | Description                             | UOM   | Est #<br>of<br>Units | Labor and Mateials   |
| A | TR-N       | Trenching - Normal Depth                | FT    | 2000                 | \$ 12.77             |
| B | TR-X       | Trenching - Extra Depth                 | FT    | 400                  | \$ 16.59             |
| C | TR-SH      | Trenching -Shallow Depth                | FT    | 250                  | \$ 8.94              |
| D | DUCT-1     | Install 1" Flex Duct in Trench          | FT    | 250                  | \$ 1.28              |
| E | DUCT-2     | Install 2" PVC Duct in Trench           | FT    | 2000                 | \$ 1.91              |
| F | DUCT-4     | Install 4" PVC Duct in Trench           | FT    | 1000                 | \$ 2.55              |
| G | DUCT-6     | Install 6" PVC Duct in Trench           | FT    | 400                  | \$ 3.83              |
| H | CONC. ENC. | Concrete Encasement of Duct             | CU YD | 500                  | \$ 57.03             |
| I | BORE-2     | Directional Bore 2" Flex Duct           | FT    | 1000                 | \$ 14.04             |
| J | BORE-4     | Directional Bore 4" Flex Duct           | FT    | 1000                 | \$ 25.53             |
| K | BORE-6     | Directional Bore 6" Flex Duct           | FT    | 1000                 | \$ 44.67             |
| L | HAND EX.   | Excavation By Hand                      | HR    | 100                  | \$ 57.03             |
| M | MACH. EX.  | Excavation By Machine                   | HR    | 25                   | \$ 127.34            |
| N | HAND TAMP  | Mechanical Tamping By Hand              | HR    | 100                  | \$ 63.82             |
| O | MACH. TAMP | Mech. Tamping by Machine                | HR    | 25                   | \$ 140.40            |
| P | ENC- SM    | Install Small Enclosure                 | EA    | 20                   | \$ 255.26            |
| Q | ENC-MD     | Install Medium Enclosure                | EA    | 8                    | \$ 319.07            |
| R | ENC-LG     | Install Large Enclosure                 | EA    | 4                    | \$ 382.88            |
| S | ENC-AG     | Install Enclosure w/<br>Above Grade Lid | EA    | 20                   | \$ 255.26            |
| T | ENC-SW     | Install Enclosure in Sidewalk           | EA    | 12                   | \$ 382.88            |
| U | ENC-SWGR   | Install Switchgear Boxpad               | EA    | 6                    | \$ 893.39            |

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |  |       |                      | <b>Rates for FY 2020-21</b> |
|---|------------|--|-------|----------------------|-----------------------------|
|   | Unit       | Description                              | UOM   | Est #<br>of<br>Units | Labor and Mateials          |
| V   | JB-1PH     | Install 1-ph Primary Enclosure           | EA    | 6                    | \$ 446.70                   |
| W   | JB-3PH     | Install 3-ph Primary Enclosure           | EA    | 12                   | \$ 446.70                   |
| X   | XFMR-1PH   | Install 1-ph FG Transformer Pad          | EA    | 20                   | \$ 510.51                   |
| Y   | XFMR-3PH6  | Install 3-ph Conc Pad (6'x6')            | EA    | 6                    | \$ 4,594.61                 |
| Z   | XFMR-3PH9  | Install 3-ph Conc Pad (9'x9')            | EA    | 2                    | \$ 5,998.52                 |
| AA  | PCC-REM    | Concrete Removal                         | CU YD | 25                   | \$ 63.79                    |
| BB  | PCC        | Concrete Installation                    | CU YD | 25                   | \$ 319.07                   |
| CC  | BOLLARD    | Bollard Installation                     | EA    | 8                    | \$ 382.88                   |
| DD  | SEEDING    | Grass Seed & 1 Watering                  | SQ YD | 200                  | \$ 255.26                   |
| EE  | CORE-PVMNT | Pothole for Buried Utilities in Pavement | HR    | 100                  | \$ 210.18                   |
| FF  | CORE-GRASS | Pothole for Buried Utilities in Grass    | HR    | 50                   | \$ 178.68                   |
| <b>TOTAL ESTIMATED BASE COST</b>            |            |  |       |                      |                             |
| All materials not supplied by City of Ames. |            |  |       |                      | Cost plus 15%               |
| Equipment and Tools (to provide list)       |            |  |       |                      |                             |
| Subsistence                                 |            |  |       |                      |                             |
| Travel                                      |            |  |       |                      |                             |
| Mileage                                     |            |  |       |                      |                             |
| <b>Price increases for renewal periods:</b> |            |  |       |                      |                             |
| Labor rates                                 |            |  |       |                      |                             |
| Other:                                      |            |  |       |                      |                             |
|   |            |  |       |                      |                             |
|   |            |  |       |                      |                             |
| Office location                             |            |  |       |                      |                             |
| warehouse location                          |            |  |       |                      |                             |
| method to insure response time              |            |  |       |                      |                             |

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |                                      |       |                | <b>Zoske Electrical Service, Inc.</b> |           |                   |           |
|---|------------|--------------------------------------|-------|----------------|---------------------------------------|-----------|-------------------|-----------|
|   |            |                                      |       |                | <b>Iowa Falls, Iowa</b>               |           |                   |           |
|   |            |                                      |       |                | <b>Rates FY 2019-20</b>               |           |                   |           |
|   | Unit       | Description                          | UOM   | Est # of Units | Labor                                 | Materials | Labor & Materials | Labor     |
| A | TR-N       | Trenching - Normal Depth             | FT    | 2000           | \$ 2.75                               | \$ -      | \$ 2.75           | \$ 2.83   |
| B | TR-X       | Trenching - Extra Depth              | FT    | 400            | \$ 3.00                               | \$ -      | \$ 3.00           | \$ 3.09   |
| C | TR-SH      | Trenching -Shallow Depth             | FT    | 250            | \$ 2.75                               | \$ -      | \$ 2.75           | \$ 2.83   |
| D | DUCT-1     | Install 1" Flex Duct in Trench       | FT    | 250            | \$ 1.92                               | \$ 0.87   | \$ 2.79           | \$ 1.98   |
| E | DUCT-2     | Install 2" PVC Duct in Trench        | FT    | 2000           | \$ 4.59                               | \$ 1.22   | \$ 5.81           | \$ 4.73   |
| F | DUCT-4     | Install 4" PVC Duct in Trench        | FT    | 1000           | \$ 1.67                               | \$ 2.88   | \$ 4.55           | \$ 1.72   |
| G | DUCT-6     | Install 6" PVC Duct in Trench        | FT    | 400            | \$ 7.08                               | \$ 4.16   | \$ 11.24          | \$ 7.30   |
| H | CONC. ENC. | Concrete Encasement of Duct          | CU YD | 500            | \$ 35.00                              | \$ 162.50 | \$ 197.50         | \$ 36.05  |
| I | BORE-2     | Directional Bore 2" Flex Duct        | FT    | 1000           | \$ 15.00                              | \$ 1.34   | \$ 16.34          | \$ 15.45  |
| J | BORE-4     | Directional Bore 4" Flex Duct        | FT    | 1000           | \$ 15.00                              | \$ 4.12   | \$ 19.12          | \$ 15.45  |
| K | BORE-6     | Directional Bore 6" Flex Duct        | FT    | 1000           | \$ 23.00                              | \$ 6.88   | \$ 29.88          | \$ 23.69  |
| L | HAND EX.   | Excavation By Hand                   | HR    | 100            | \$ 58.00                              | \$ -      | \$ 58.00          | \$ 59.74  |
| M | MACH. EX.  | Excavation By Machine                | HR    | 25             | \$ 85.00                              | \$ -      | \$ 85.00          | \$ 87.55  |
| N | HAND TAMP  | Mechanical Tamping By Hand           | HR    | 100            | \$ 58.00                              | \$ -      | \$ 58.00          | \$ 59.74  |
| O | MACH. TAMP | Mech. Tamping by Machine             | HR    | 25             | \$ 58.00                              | \$ 14.00  | \$ 72.00          | \$ 59.74  |
| P | ENC- SM    | Install Small Enclosure              | EA    | 20             | \$ 185.00                             | \$ 463.00 | \$ 648.00         | \$ 190.55 |
| Q | ENC-MD     | Install Medium Enclosure             | EA    | 8              | \$ 339.50                             | \$ 826.00 | \$ 1,165.50       | \$ 349.69 |
| R | ENC-LG     | Install Large Enclosure              | EA    | 4              | \$ 650.00                             | \$ 970.00 | \$ 1,620.00       | \$ 669.50 |
| S | ENC-AG     | Install Enclosure w/ Above Grade Lid | EA    | 20             | \$ 275.00                             | \$ 412.00 | \$ 687.00         | \$ 283.25 |
| T | ENC-SW     | Install Enclosure in Sidewalk        | EA    | 12             | \$ 650.00                             | \$ 412.00 | \$ 1,062.00       | \$ 669.50 |
| U | ENC-SWGR   | Install Switchgear Boxpad            | EA    | 6              | \$ 375.00                             | \$ 387.00 | \$ 762.00         | \$ 386.25 |

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |  |       |                | <b>Zoske Electrical Service, Inc.</b>  |             |                   |           |
|---|------------|--|-------|----------------|--|-------------|-------------------|-----------|
|   |            |  |       |                | <b>Iowa Falls, Iowa</b>                |             |                   |           |
|   |            |  |       |                | <b>Rates FY 2019-20</b>                |             |                   |           |
|   | Unit       | Description                              | UOM   | Est # of Units | Labor                                  | Materials   | Labor & Materials | Labor     |
| V   | JB-1PH     | Install 1-ph Primary Enclosure           | EA    | 6              | \$ 375.00                              | \$ 418.00   | \$ 793.00         | \$ 386.25 |
| W   | JB-3PH     | Install 3-ph Primary Enclosure           | EA    | 12             | \$ 375.00                              | \$ 653.00   | \$ 1,028.00       | \$ 386.25 |
| X   | XFMR-1PH   | Install 1-ph FG Transformer Pad          | EA    | 20             | \$ 375.00                              | \$ 361.00   | \$ 736.00         | \$ 386.25 |
| Y   | XFMR-3PH6  | Install 3-ph Conc Pad (6'x6')            | EA    | 6              | \$ 250.00                              | \$ 1,320.00 | \$ 1,570.00       | \$ 257.50 |
| Z   | XFMR-3PH9  | Install 3-ph Conc Pad (9'x9')            | EA    | 2              | \$ 455.00                              | \$ 1,320.00 | \$ 1,775.00       | \$ 468.65 |
| AA  | PCC-REM    | Concrete Removal                         | CU YD | 25             | \$ 120.00                              | \$ 30.00    | \$ 150.00         | \$ 123.60 |
| BB  | PCC        | Concrete Installation                    | CU YD | 25             | \$ 38.40                               | \$ 140.00   | \$ 178.40         | \$ 39.55  |
| CC  | BOLLARD    | Bollard Installation                     | EA    | 8              | \$ 165.00                              | \$ 285.00   | \$ 450.00         | \$ 169.95 |
| DD  | SEEDING    | Grass Seed & 1 Watering                  | SQ YD | 200            | \$ -                                   | \$ 4.68     | \$ 4.68           | \$ -      |
| EE  | CORE-PVMNT | Pothole for Buried Utilities in Pavement | HR    | 100            | \$ 150.00                              | \$ -        | \$ 150.00         | \$ 154.50 |
| FF  | CORE-GRASS | Pothole for Buried Utilities in Grass    | HR    | 50             | \$ 125.00                              | \$ -        | \$ 125.00         | \$ 128.75 |
| <b>TOTAL ESTIMATED BASE COST</b>            |            |  |       |                |  |             |                   |           |
| All materials not supplied by City of Ames. |            |  |       |                | Cost + 30 %                            |             |                   |           |
| Equipment and Tools (to provide list)       |            |  |       |                | List provided                          |             |                   |           |
| Subsistence                                 |            |  |       |                | \$135 per day per employee when needed |             |                   |           |
| Travel                                      |            |  |       |                | \$65 per hour per truck                |             |                   |           |
| Mileage                                     |            |  |       |                | from Iowa Falls                        |             |                   |           |
| <b>Price increases for renewal periods:</b> |            |  |       |                |  |             |                   |           |
| Labor rates                                 |            |  |       |                | 3% per year                            |             |                   |           |
| Other:                                      |            |  |       |                |  |             |                   |           |
|   |            |  |       |                |  |             | _____ % per       |           |
|   |            |  |       |                |  |             | _____ % per       |           |
|   |            |  |       |                |  |             | _____ % per       |           |
| Office location                             |            |  |       |                | 833 Brooks Road Iowa Falls             |             |                   |           |
| warehouse location                          |            |  |       |                | same                                   |             |                   |           |
| method to insure response time              |            |  |       |                | on site 2 hours for emergency services |             |                   |           |



INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |   |       |                      | <b>Rates FY 2020-21</b> |                      |
|---|------------|---|-------|----------------------|-------------------------|----------------------|
|   | Unit       | Description                             | UOM   | Est #<br>of<br>Units | Materials               | Labor &<br>Materials |
| A | TR-N       | Trenching - Normal<br>Depth             | FT    | 2000                 | \$ -                    | \$ 2.83              |
| B | TR-X       | Trenching - Extra Depth                 | FT    | 400                  | \$ -                    | \$ 3.09              |
| C | TR-SH      | Trenching -Shallow<br>Depth             | FT    | 250                  | \$ -                    | \$ 2.83              |
| D | DUCT-1     | Install 1" Flex Duct in<br>Trench       | FT    | 250                  | \$ 0.87                 | \$ 2.85              |
| E | DUCT-2     | Install 2" PVC Duct in<br>Trench        | FT    | 2000                 | \$ 1.22                 | \$ 5.95              |
| F | DUCT-4     | Install 4" PVC Duct in<br>Trench        | FT    | 1000                 | \$ 2.88                 | \$ 4.60              |
| G | DUCT-6     | Install 6" PVC Duct in<br>Trench        | FT    | 400                  | \$ 4.16                 | \$ 11.46             |
| H | CONC. ENC. | Concrete Encasement<br>of Duct          | CU YD | 500                  | \$ 162.50               | \$ 198.55            |
| I | BORE-2     | Directional Bore 2" Flex<br>Duct        | FT    | 1000                 | \$ 1.34                 | \$ 16.79             |
| J | BORE-4     | Directional Bore 4" Flex<br>Duct        | FT    | 1000                 | \$ 4.12                 | \$ 19.57             |
| K | BORE-6     | Directional Bore 6" Flex<br>Duct        | FT    | 1000                 | \$ 6.88                 | \$ 30.57             |
| L | HAND EX.   | Excavation By Hand                      | HR    | 100                  | \$ -                    | \$ 59.74             |
| M | MACH. EX.  | Excavation By Machine                   | HR    | 25                   | \$ -                    | \$ 87.55             |
| N | HAND TAMP  | Mechanical Tamping By<br>Hand           | HR    | 100                  | \$ -                    | \$ 59.74             |
| O | MACH. TAMP | Mech. Tamping by<br>Machine             | HR    | 25                   | \$ 14.00                | \$ 73.74             |
| P | ENC- SM    | Install Small Enclosure                 | EA    | 20                   | \$ 463.00               | \$ 653.55            |
| Q | ENC-MD     | Install Medium<br>Enclosure             | EA    | 8                    | \$ 826.00               | \$ 1,175.69          |
| R | ENC-LG     | Install Large Enclosure                 | EA    | 4                    | \$ 970.00               | \$ 1,639.50          |
| S | ENC-AG     | Install Enclosure w/<br>Above Grade Lid | EA    | 20                   | \$ 412.00               | \$ 695.25            |
| T | ENC-SW     | Install Enclosure in<br>Sidewalk        | EA    | 12                   | \$ 412.00               | \$ 1,081.50          |
| U | ENC-SWGR   | Install Switchgear<br>Boxpad            | EA    | 6                    | \$ 387.00               | \$ 773.25            |

INVITATION TO BID NO. 2019-134  
UNDERGROUND TRENCHING CONTRACT

|   |            |  |       |                      | <b>Rates FY 2020-21</b> |                      |
|---|------------|--|-------|----------------------|-------------------------|----------------------|
|   | Unit       | Description                              | UOM   | Est #<br>of<br>Units | Materials               | Labor &<br>Materials |
| V   | JB-1PH     | Install 1-ph Primary Enclosure           | EA    | 6                    | \$ 418.00               | \$ 804.25            |
| W   | JB-3PH     | Install 3-ph Primary Enclosure           | EA    | 12                   | \$ 653.00               | \$ 1,039.25          |
| X   | XFMR-1PH   | Install 1-ph FG Transformer Pad          | EA    | 20                   | \$ 361.00               | \$ 747.25            |
| Y   | XFMR-3PH6  | Install 3-ph Conc Pad (6'x6')            | EA    | 6                    | \$ 1,320.00             | \$ 1,577.50          |
| Z   | XFMR-3PH9  | Install 3-ph Conc Pad (9'x9')            | EA    | 2                    | \$ 1,320.00             | \$ 1,788.65          |
| AA  | PCC-REM    | Concrete Removal                         | CU YD | 25                   | \$ 30.00                | \$ 153.60            |
| BB  | PCC        | Concrete Installation                    | CU YD | 25                   | \$ 140.00               | \$ 179.55            |
| CC  | BOLLARD    | Bollard Installation                     | EA    | 8                    | \$ 285.00               | \$ 454.95            |
| DD  | SEEDING    | Grass Seed & 1 Watering                  | SQ YD | 200                  | \$ 4.68                 | \$ 4.68              |
| EE  | CORE-PVMNT | Pothole for Buried Utilities in Pavement | HR    | 100                  | \$ -                    | \$ 154.50            |
| FF  | CORE-GRASS | Pothole for Buried Utilities in Grass    | HR    | 50                   | \$ -                    | \$ 128.75            |
| <b>TOTAL ESTIMATED BASE COST</b>            |            |  |       |                      |                         |                      |
| All materials not supplied by City of Ames. |            |  |       |                      |                         |                      |
| Equipment and Tools (to provide list)       |            |  |       |                      |                         |                      |
| Subsistence                                 |            |  |       |                      |                         |                      |
| Travel                                      |            |  |       |                      |                         |                      |
| Mileage                                     |            |  |       |                      |                         |                      |
| <b>Price increases for renewal periods:</b> |            |  |       |                      |                         |                      |
| Labor rates                                 |            |  |       |                      |                         |                      |
| Other:                                      |            |  |       |                      |                         |                      |
|   |            |  |       |                      |                         |                      |
|   |            |  |       |                      |                         |                      |
| Office location                             |            |  |       |                      |                         |                      |
| warehouse location                          |            |  |       |                      |                         |                      |
| method to insure response time              |            |  |       |                      |                         |                      |