

CITY OF ARDMORE
PUBLIC UTILITIES DIVISION

Council Letter No. 5851
Meeting Date March 7, 2022

Mayor and City Commission
City of Ardmore, Oklahoma

Re: Request to approve bid from Insituform for the Ardmore
Public Works/City of Ardmore Maintenance Contract

Dear Commission Members:

One bid was received on February 14, 2022 from Insituform for the Ardmore Public Works/City of Ardmore Maintenance Contract. Insituform's bid did meet the minimum specifications. This bid provides unit pricing for projects over the next year. Attached is a copy of their unit pricing bid. Individual projects utilizing this contract will be presented at a later date for approval.

Staff recommends the approval of the unit priced bid (see attached unit pricing sheet) received from Insituform for the Ardmore Public Works/City of Ardmore Maintenance Contract.

Sincerely,



Shawn Geurin, Utilities Director

Reviewed by: _____



City Manager

| Ardmore Public Works Maintenance Contract | | | | |
|--|---|-----------------|-------------|-------------------|
| BID FORM | | | | |
| | | | | Subtotal |
| Section A - CIPP Mainline Rehabilitation Gravity Applications | | | | |
| | | <u>Quantity</u> | <u>Unit</u> | |
| 1 | 6" x 4.5mm | 1 | LF | \$38.00 |
| 2 | 8" x 6.0mm | 1 | LF | \$34.00 |
| 3 | 10" x 6.0mm | 1 | LF | \$38.25 |
| 4 | 12" x 6.0mm | 1 | LF | \$51.50 |
| 5 | 15" x 7.5mm | 1 | LF | \$65.00 |
| 6 | 18" x 9.0mm | 1 | LF | \$78.00 |
| 7 | 21" x 9.0mm | 1 | LF | \$101.00 |
| 8 | 24" x 10.5mm | 1 | LF | \$124.00 |
| 9 | 27" x 10.5mm | 1 | LF | \$146.50 |
| 10 | 30" x 12.0mm | 1 | LF | \$162.00 |
| 11 | 33" x 12.0mm | 1 | LF | \$179.00 |
| 12 | 36" x 12.0mm | 1 | LF | \$206.00 |
| 13 | 6" & 8" Additional 1.5mm | 1 | LF | \$1.00 |
| 14 | 10" & 12" Additional 1.5mm | 1 | LF | \$6.25 |
| 15 | 15" & 18" Additional 1.5mm | 1 | LF | \$14.50 |
| 16 | 21" & 24" Additional 1.5mm | 1 | LF | \$15.75 |
| 17 | 27" Additional 1.5mm | 1 | LF | \$17.00 |
| 18 | 30" Additional 1.5mm | 1 | LF | \$19.50 |
| 19 | 33" Additional 1.5mm | 1 | LF | \$21.75 |
| 20 | 36" Additional 1.5mm | 1 | LF | \$24.00 |
| 21 | 6" - 12" CIPP Setup Charge Per Install Length | 1 | LF | \$10.00 |
| 22 | 15" - 21" CIPP Setup Charge Per Install Length | 1 | LF | \$18.00 |
| 23 | 24" - 36" CIPP Setup Charge Per Install Length | 1 | LF | \$23.00 |
| 24 | 36" or Larger CIPP Setup Charge Per Install Length | 1 | LF | \$35.00 |
| 25 | 6" - 10" Backyard Easement Setup Per Install Length | 1 | LF | \$3.00 |
| 26 | 12" - 18" Backyard Easement Setup Per Install Length | 1 | LF | \$5.00 |
| 27 | Timber Matting for Large Diameter Setup | 1 | SY | \$20.00 |
| 28 | CIPP Short Length Add-On (<300 LF) | 1 | IN/DIA/FT | \$10.00 |
| 29 | Non-Standard Resin System Add-On | 1 | IN/DIA/FT | \$12.00 |
| | | | | \$1,479.00 |
| Section B - Pipebursting Rehabilitation | | | | |
| | | <u>Quantity</u> | <u>Unit</u> | |
| 1 | Burst existing 6" or 8" to 8" IPS SDR 19 (0'- 8' deep) | 1 | LF | \$65.00 |
| 2 | Burst existing 6" or 8" to 8" IPS SDR 19 (8'- 12' deep) | 1 | LF | \$75.00 |
| 3 | Burst existing 8" or 10" to 10" IPS SDR 19 (0'- 8' deep) | 1 | LF | \$80.00 |
| 4 | Burst existing 8" or 10" to 10" IPS SDR 19 (8'- 12' deep) | 1 | LF | \$85.00 |
| 5 | Burst existing 10" or 12" to 12" IPS SDR 19 (0'- 8' deep) | 1 | LF | \$95.00 |
| 6 | Burst existing 10" or 12" to 12" IPS SDR 19 (8'- 12' deep) | 1 | LF | \$105.00 |
| 7 | Burst existing 12" or 15" to 16" IPS SDR 19 (0'- 8' deep) | 1 | LF | \$120.00 |
| 8 | Burst existing 12" or 15" to 16" IPS SDR 19 (8'- 12' deep) | 1 | LF | \$130.00 |
| 9 | Burst existing 15" or 18" to 18" IPS SDR 19 (0'- 8' deep) | 1 | LF | \$135.00 |
| 10 | Burst existing 15" or 18" to 18" IPS SDR 19 (8'- 12' deep) | 1 | LF | \$145.00 |
| 11 | Burst existing 18" or 21" to 22" IPS SDR 19 (0'- 8' deep) | 1 | LF | \$155.00 |
| 12 | Burst existing 18" or 21" to 22" IPS SDR 19 (8'- 12' deep) | 1 | LF | \$160.00 |
| 13 | 6" - 12" Pipeburst Setup Charge Per Install Length | 1 | LF | \$20.00 |
| 14 | 16" - 22" Pipeburst Setup Charge Per install Length | 1 | LF | \$50.00 |
| 15 | Pipeburst Short Length Add-On (<300 LF) | 1 | IN/DIA/FT | \$20.00 |
| 16 | Change Pipeburst Pipe to Potable Water Grade or Non-Standard Pipe Type Add-On | 1 | IN/DIA/FT | \$15.00 |
| 17 | Pipeburst Lateral Setup Charge | 1 | EA | \$250.00 |
| 18 | Pipeburst Lateral | 1 | LF | \$30.00 |
| | | | | \$1,735.00 |

| Section C - Bypass for Gravity Pipelines and Associated Items | | Quantity | Unit | |
|--|---|-----------------|-------------|-------------|
| 1 | Set Up 4" Pump (Per Pump) | 1 | EA | \$250.00 |
| 2 | Set Up 6" Pump (Per Pump) | 1 | EA | \$500.00 |
| 3 | Set Up 8" Pump (Per Pump) | 1 | EA | \$750.00 |
| 4 | Set Up 12" Pump (Per Pump) | 1 | EA | \$750.00 |
| 5 | Set Up 4" Piping | 1 | LF | \$10.00 |
| 6 | Set Up 6" Piping | 1 | LF | \$20.00 |
| 7 | Set Up 8" Piping | 1 | LF | \$35.00 |
| 8 | Set Up 12" Piping | 1 | LF | \$50.00 |
| 9 | Set Up 18" Piping | 1 | LF | \$60.00 |
| 10 | Operate 4" pumping System | 1 | DAY | \$400.00 |
| 11 | Operate 6" pumping System | 1 | DAY | \$1,500.00 |
| 12 | Operate 8" pumping System | 1 | DAY | \$2,250.00 |
| 13 | Operate 12" pumping System | 1 | DAY | \$2,500.00 |
| 14 | Bypass - Driveway Ramp (Setup, Operate, Maintain) | 1 | EA | \$500.00 |
| 15 | Bypass - Street Ramp (Setup, Operate, Maintain) | 1 | EA | \$500.00 |
| 16 | Bypass - Street Trenching for 8" Pipe (Setup, Operate, Maintain) | 1 | LF | \$75.00 |
| 17 | Bypass - Street Trenching for 12" Pipe (Setup, Operate, Maintain) | 1 | LF | \$100.00 |
| 18 | Bypass - Street Trenching for 18" Pipe (Setup, Operate, Maintain) | 1 | LF | \$125.00 |
| 19 | Bypass Plan (3rd Party Certified) | 1 | EA | \$2,000.00 |
| | | | | |
| | | | Subtotal | \$12,375.00 |
| | | | | |
| Section D - Clean/TV & Evaluation for Gravity Pipelines | | Quantity | Unit | |
| 1 | 6" Clean and TV sanitary sewer | 1 | LF | \$5.00 |
| 2 | 8" Clean and TV sanitary sewer | 1 | LF | \$5.00 |
| 3 | 10" Clean and TV sanitary sewer | 1 | LF | \$6.00 |
| 4 | 12" Clean and TV sanitary sewer | 1 | LF | \$8.00 |
| 5 | 15" Clean and TV sanitary sewer | 1 | LF | \$9.00 |
| 6 | 18" Clean and TV sanitary sewer | 1 | LF | \$11.00 |
| 7 | 21" Clean and TV sanitary sewer | 1 | LF | \$13.00 |
| 8 | 24" Clean and TV sanitary sewer | 1 | LF | \$15.00 |
| 9 | 27" Clean and TV sanitary sewer | 1 | LF | \$16.00 |
| 10 | 30" Clean and TV sanitary sewer | 1 | LF | \$18.00 |
| 11 | 33" Clean and TV sanitary sewer | 1 | LF | \$20.00 |
| 12 | 36" Clean and TV sanitary sewer | 1 | LF | \$25.00 |
| 13 | 6" - 18" Post TV Inspection After Rehabilitation | 1 | LF | \$2.00 |
| 14 | 21" - 36" Post TV Inspection After Rehabilitation | 1 | LF | \$3.00 |
| 15 | Re-setup for TV Due to Point Repairs | 1 | EA | \$150.00 |
| 16 | Root removal | 1 | LF | \$3.50 |
| 17 | Grease removal | 1 | LF | \$3.50 |
| 18 | Other Remote Obstruction removal (max. 10 lf) | 1 | EA | \$750.00 |
| | | | | |
| | | | Subtotal | \$1,063.00 |
| | | | | |
| Section E - Excavation | | Quantity | Unit | |
| 1 | 8" - 12" Point repair (0'- 8' deep) | 1 | EA | \$3,500.00 |
| 2 | 8" - 12" Point repair (8'- 12' deep) | 1 | EA | \$5,000.00 |
| 3 | 15" - 18" Point repair (0'-8' deep) | 1 | EA | \$6,500.00 |
| 4 | 15" - 18" Point repair (8'-12' deep) | 1 | EA | \$8,200.00 |
| 5 | 21" - 24" Point repair (0'-8' deep) | 1 | EA | \$9,000.00 |
| 6 | 21" - 24" Point repair (8'-12' deep) | 1 | EA | \$10,000.00 |
| 7 | 27" - 30" Point repair (0'-8' deep) | 1 | EA | \$11,000.00 |
| 8 | 27" - 30" Point repair (8'-12' deep) | 1 | EA | \$12,000.00 |
| 9 | 30" - 36" Point repair (0'-8' deep) | 1 | EA | \$12,000.00 |
| 10 | 30" - 36" Point repair (8'-12' deep) | 1 | EA | \$13,000.00 |
| 11 | 8" - 12" Point repair extra length | 1 | LF | \$100.00 |
| 12 | 15" - 18" Point repair extra length | 1 | LF | \$150.00 |
| 13 | 21" - 27" Point repair extra length | 1 | LF | \$200.00 |
| 14 | 27" - 30" Point repair extra length | 1 | LF | \$250.00 |

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|---|--|-----------------|-------------|--------------|
| 15 | 30" - 36" Point repair extra length | 1 | LF | \$300.00 |
| 16 | External reconnect (0'-8' deep) | 1 | EA | \$1,250.00 |
| 17 | External reconnect (8'-12' deep) | 1 | EA | \$1,750.00 |
| 18 | Extra length service over 5' long | 1 | LF | \$55.00 |
| 19 | Access Pit (0'-8' deep) | 1 | EA | \$3,000.00 |
| 20 | Access Pit (8'-12' deep) | 1 | EA | \$4,250.00 |
| 21 | Potholing for Nearby Utility Location (0'-8' deep) | 1 | EA | \$1,000.00 |
| 22 | Potholing for Nearby Utility Location (8'-12' deep) | 1 | EA | \$1,250.00 |
| 23 | Trench safety | 1 | LF | \$10.00 |
| 24 | Install New 4' DIA manhole 0' - 6' deep | 1 | EA | \$7,000.00 |
| 25 | Extra depth 4' DIA manhole over 6' deep | 1 | VF | \$650.00 |
| 26 | Install New 5' DIA manhole 0' - 6' deep | 1 | EA | \$8,500.00 |
| 27 | Extra depth 5' DIA manhole over 6' deep | 1 | VF | \$800.00 |
| 28 | Install New 6' DIA manhole 0' - 6' deep | 1 | EA | \$11,500.00 |
| 29 | Extra depth 6' DIA manhole over 6' deep | 1 | VF | \$1,050.00 |
| 30 | Cement stabilized sand | 1 | Ton | \$160.00 |
| 31 | Granular backfill | 1 | Ton | \$55.00 |
| 32 | Flowable Fill | 1 | CY | \$190.00 |
| 33 | Extra hand excavation | 1 | CY | \$125.00 |
| 34 | 4" to 8" Open Cut Replacement (0'-6' deep) | 1 | LF | \$105.00 |
| 35 | 10" to 12" Open Cut Replacement (0'-6' deep) | 1 | LF | \$135.00 |
| 36 | 15" to 18" Open Cut Replacement (0'-6' deep) | 1 | LF | \$145.00 |
| 37 | 21" to 24" Open Cut Replacement (0'-6' deep) | 1 | LF | \$215.00 |
| 38 | 30" to 36" Open Cut Replacement (0'-6' deep) | 1 | LF | \$300.00 |
| 39 | Open Cut Extra Depth Add-On | 1 | LF | \$150.00 |
| 40 | Clearing/grubbing for Access | 1 | Acre | \$7,500.00 |
| | | | | |
| | | | Subtotal | \$142,245.00 |
| Section F - Additional Associated Items | | Quantity | Unit | |
| 1 | Internal reconnects | 1 | EA | \$250.00 |
| 2 | Man Entry Internal reconnects | 1 | EA | \$750.00 |
| 3 | Remove and replace cleanout | 1 | EA | \$2,000.00 |
| 4 | Repair/Rehab 2" Asphalt pavement | 1 | SY | \$155.00 |
| 5 | Repair/Rehab 8" Flex base | 1 | SY | \$66.00 |
| 6 | Repair/Rehab 8" Concrete pavement | 1 | SY | \$220.00 |
| 7 | Repair/Rehab 6" Concrete driveway | 1 | SY | \$105.00 |
| 8 | Repair/Rehab 4" Concrete sidewalk | 1 | SF | \$20.00 |
| 9 | Repair/Rehab Concrete curb and gutter | 1 | LF | \$35.00 |
| 10 | Sod | 1 | SY | \$20.00 |
| 11 | Repair/Rehab chain link fence with new | 1 | LF | \$50.00 |
| 12 | Repair/Rehab wooden fence with new | 1 | LF | \$50.00 |
| 13 | Traffic control | 1 | Day | \$500.00 |
| 14 | Flagmen | 1 | HR | \$40.00 |
| 15 | Lighted Arrow Board (Per Arrow Board) | 1 | Day | \$300.00 |
| 16 | Traffic Control Plan (3rd Party Certified) | 1 | EA | \$1,500.00 |
| 17 | Crane w/ Operator | 1 | Day | \$1,000.00 |
| | | | | |
| | | | Subtotal | \$7,061.00 |
| Section G - HDPE Tight Fitting Liner (IPS diameters) | | Quantity | Unit | |
| 1 | 6" x DR 32.5 Installation of pipe | 1 | LF | \$35.00 |
| 2 | 8" x DR 32.5 Installation of pipe | 1 | LF | \$48.00 |
| 3 | 12" x DR 32.5 Installation of pipe | 1 | LF | \$82.00 |
| 4 | 24" x DR 32.5 Installation of pipe | 1 | LF | \$135.00 |
| 6 | 5" to 8" DR standard drop increment (wall increase) PE80 grade | 1 | LF | \$7.00 |
| 6 | 5" to 8" DR standard drop increment (wall increase) PE100 grade | 1 | LF | \$10.50 |
| 7 | 10" & 12" DR standard drop increment (wall increase) PE80 grade | 1 | LF | \$9.00 |
| 8 | 10" & 12" DR standard drop increment (wall increase) PE100 grade | 1 | LF | \$13.00 |
| 9 | 21" to 24" DR standard drop increment (wall increase) PE80 grade | 1 | LF | \$26.00 |

| | | | | |
|--|---|-----------------|-------------|-------------|
| 10 | 21" to 24" DR standard drop increment (wall increase) PE100 grade | 1 | LF | \$39.00 |
| 11 | 24" to 30" DR standard drop increment (wall increase) PE80 grade | 1 | LF | \$39.00 |
| 12 | 30" to 36" DR standard drop increment (wall increase) PE100 grade | 1 | LF | \$52.00 |
| 13 | 5" to 8" Polyethylene flange | 1 | EA | \$260.00 |
| 14 | 10" & 12" Polyethylene flange | 1 | EA | \$400.00 |
| 15 | 21" to 24" Polyethylene flange | 1 | EA | \$725.00 |
| 16 | 24" to 30" Polyethylene flange | 1 | EA | \$850.00 |
| 17 | 30" to 36" Polyethylene flange | 1 | EA | \$975.00 |
| 18 | 2" to 12" Tite Liner set-up charge Per Install Length | 1 | LF | \$39.00 |
| 19 | 13" to 24" Tite Liner set-up charge Per Install Length | 1 | LF | \$52.00 |
| | | | | |
| | | | Subtotal | \$3,796.50 |
| Section H - CIPP Pressure Pipe Lining For Potable and Non-Potable Pressure Pipe | | Quantity | Unit | |
| Potable Pressure Pipelines | | | | |
| 1 | 6" Installation of Pressure Pipe Lining | 1 | LF | \$115.00 |
| 2 | 8" Installation of Pressure Pipe Lining | 1 | LF | \$132.00 |
| 3 | 10" Installation of Pressure Pipe Lining | 1 | LF | \$150.00 |
| 4 | 12" Installation of Pressure Pipe Lining | 1 | LF | \$178.00 |
| 5 | 15" Installation of Pressure Pipe Lining | 1 | LF | \$230.00 |
| 6 | 18" Installation of Pressure Pipe Lining | 1 | LF | \$265.00 |
| 7 | 21" Installation of Pressure Pipe Lining | 1 | LF | \$299.00 |
| 8 | 24" Installation of Pressure Pipe Lining | 1 | LF | \$345.00 |
| 9 | 27" Installation of Pressure Pipe Lining | 1 | LF | \$414.00 |
| 10 | 30" Installation of Pressure Pipe Lining | 1 | LF | \$443.00 |
| Non-Potable Pressure Pipelines | | | | |
| 11 | 6" Reinforced Pressure Pipe Lining | 1 | LF | \$104.00 |
| 12 | 8" Reinforced Pressure Pipe Lining | 1 | LF | \$115.00 |
| 13 | 10" Reinforced Pressure Pipe Lining | 1 | LF | \$132.00 |
| 14 | 12" Reinforced Pressure Pipe Lining | 1 | LF | \$161.00 |
| 15 | 15" Reinforced Pressure Pipe Lining | 1 | LF | \$218.00 |
| 16 | 18" Reinforced Pressure Pipe Lining | 1 | LF | \$242.00 |
| 17 | 21" Reinforced Pressure Pipe Lining | 1 | LF | \$265.00 |
| 18 | 24" Reinforced Pressure Pipe Lining | 1 | LF | \$322.00 |
| 19 | 27" Reinforced Pressure Pipe Lining | 1 | LF | \$368.00 |
| 20 | 30" Reinforced Pressure Pipe Lining | 1 | LF | \$420.00 |
| 21 | 36" Reinforced Pressure Pipe Lining | 1 | LF | \$460.00 |
| 22 | 6" Installation of End Seal | 1 | EA | \$875.00 |
| 23 | 8" Installation of End Seal | 1 | EA | \$875.00 |
| 24 | 10" Installation of End Seal | 1 | EA | \$875.00 |
| 25 | 12" Installation of End Seal | 1 | EA | \$1,150.00 |
| 26 | 15" Installation of End Seal | 1 | EA | \$1,150.00 |
| 27 | 18" Installation of End Seal | 1 | EA | \$1,450.00 |
| 28 | 21" Installation of End Seal | 1 | EA | \$1,450.00 |
| 29 | 24" Installation of End Seal | 1 | EA | \$1,725.00 |
| 30 | 27" Installation of End Seal | 1 | EA | \$1,725.00 |
| 31 | 30" Installation of End Seal | 1 | EA | \$2,300.00 |
| 32 | 36" Installation of End Seal | 1 | EA | \$2,875.00 |
| 33 | 6" to 12" System set-up charge Per Install Length | 1 | LF | \$35.00 |
| 34 | 15" to 24" System set-up charge Per Install Length | 1 | LF | \$45.00 |
| 35 | 24" to 30" System set-up charge Per Install Length | 1 | LF | \$60.00 |
| 36 | 30" to 36" System set-up charge Per Install Length | 1 | LF | \$65.00 |
| 37 | Internal Reconnect for CIPP Pressure Pipe | 1 | EA | \$1,000.00 |
| 38 | 6" to 12" Install Spool Piece for Pressure Pipe | 1 | EA | \$3,500.00 |
| 39 | 15" to 21" Install Spool Piece for Pressure Pipe | 1 | EA | \$5,000.00 |
| 40 | 24" to 30" Install Spool Piece for Pressure Pipe | 1 | EA | \$7,500.00 |
| 41 | 30" to 36" Install Spool Piece for Pressure Pipe | 1 | EA | \$8,500.00 |
| | | | | |
| | | | Subtotal | \$47,533.00 |

| Section I - Pressure Pipeline Bypass | | Quantity | Unit | |
|--|--|-----------------|-------------|------------|
| 1 | Set up bypass of mainlines sizes 2"- 4" AWWA approved bypass | 1 | LF | \$20.00 |
| 2 | Connection of each service from 2"- 4" AWWA approved bypass | 1 | EA | \$250.00 |
| 3 | Operation of 2"- 4" AWWA approved bypass | 1 | Day | \$275.00 |
| 4 | Set up bypass of mainlines sizes 6"- 8" AWWA approved bypass | 1 | LF | \$40.00 |
| 5 | Connection of each service from 6"- 8" AWWA approved bypass | 1 | EA | \$500.00 |
| 6 | Operation of 6"- 8" AWWA approved bypass | 1 | Day | \$350.00 |
| 7 | Set up bypass of mainlines sizes 10"- 12" AWWA approved bypass | 1 | LF | \$60.00 |
| 8 | Connection of each service from 10"- 12" AWWA approved bypass | 1 | EA | \$750.00 |
| 9 | Operation of 10"- 12" AWWA approved bypass | 1 | Day | \$600.00 |
| 10 | Set up bypass of mainlines sizes 13"- 19" AWWA approved bypass | 1 | LF | \$75.00 |
| 11 | Connection of each service from 13"- 19" AWWA approved bypass | 1 | EA | \$1,000.00 |
| 12 | Operation of 13"- 19" AWWA approved bypass | 1 | Day | \$800.00 |
| 13 | Set up bypass of mainlines sizes 20"- 24" AWWA approved bypass | 1 | EA | \$80.00 |
| 14 | Connection of each service from 20"- 24" AWWA approved bypass | 1 | EA | \$1,000.00 |
| 15 | Operation of 20"- 24" AWWA approved bypass | 1 | Day | \$850.00 |
| | | | | |
| | | | Subtotal | \$6,650.00 |
| Section J - Line Cleaning and Inspection for Pressure Pipelines & Mechanical Cleaning | | Quantity | Unit | |
| 1 | 6" Cleaning with pressure propelled pigs | 1 | LF | \$13.00 |
| 2 | 8" Cleaning with pressure propelled pigs | 1 | LF | \$13.00 |
| 3 | 10" Cleaning with pressure propelled pigs | 1 | LF | \$13.00 |
| 4 | 12" Cleaning with pressure propelled pigs | 1 | LF | \$13.00 |
| 5 | 15" Cleaning with pressure propelled pigs | 1 | LF | \$17.00 |
| 6 | 18" Cleaning with pressure propelled pigs | 1 | LF | \$17.00 |
| 7 | 21" Cleaning with pressure propelled pigs | 1 | LF | \$17.00 |
| 8 | 24" Cleaning with pressure propelled pigs | 1 | LF | \$21.00 |
| 9 | 30" Cleaning with pressure propelled pigs | 1 | LF | \$28.00 |
| 10 | 36" Cleaning with pressure propelled pigs | 1 | LF | \$30.00 |
| 11 | 6" Cleaning with scrapers or other attached tools | 1 | LF | \$21.00 |
| 12 | 8" Cleaning with scrapers or other attached tools | 1 | LF | \$21.00 |
| 13 | 10" Cleaning with scrapers or other attached tools | 1 | LF | \$21.00 |
| 14 | 12" Cleaning with scrapers or other attached tools | 1 | LF | \$21.00 |
| 15 | 15" Cleaning with scrapers or other attached tools | 1 | LF | \$26.00 |
| 16 | 18" Cleaning with scrapers or other attached tools | 1 | LF | \$26.00 |
| 17 | 21" Cleaning with scrapers or other attached tools | 1 | LF | \$26.00 |
| 18 | 24" Cleaning with scrapers or other attached tools | 1 | LF | \$34.00 |
| 19 | 30" Cleaning with scrapers or other attached tools | 1 | LF | \$45.00 |
| 20 | 36" Cleaning with scrapers or other attached tools | 1 | LF | \$47.00 |
| 21 | 6" Pressure pipe inspection | 1 | LF | \$3.00 |
| 22 | 8" Pressure pipe inspection | 1 | LF | \$3.00 |
| 23 | 10" Pressure pipe inspection | 1 | LF | \$4.00 |
| 24 | 12" Pressure pipe inspection | 1 | LF | \$4.00 |
| 25 | 15" Pressure pipe inspection | 1 | LF | \$4.00 |
| 26 | 18" Pressure pipe inspection | 1 | LF | \$6.00 |
| 27 | 21" Pressure pipe inspection | 1 | LF | \$6.00 |
| 28 | 24" Pressure pipe inspection | 1 | LF | \$6.00 |
| 29 | 30" Pressure pipe inspection | 1 | LF | \$8.00 |
| 30 | 36" Pressure pipe inspection | 1 | LF | \$8.50 |
| 31 | Tuberculation Removal (Pressure & Gravity Pipelines) | 1 | IN/DIA/LF | \$4.00 |
| | | | | |
| | | | Subtotal | \$526.50 |
| Section K - Gravity Sewer Lateral Renewal Systems | | Quantity | Unit | |
| 1 | 4"-6" Internal installation and cure of "T" shaped structure (from main <12" dia) | 1 | EA | \$3,000.00 |
| 2 | 4"-6" Internal installation and cure of top hat shaped structure (from main <12" dia) | 1 | EA | \$2,750.00 |
| 3 | 4"-6" Installation and cure of structural lateral liner from main <12" dia. | 1 | LF | \$300.00 |
| 4 | 4"-6" Installation and cure of structural lateral liner from surface clean out to main | 1 | LF | \$300.00 |
| 5 | 4"-6" Set-up for installations of <20 each total | 1 | EA | \$750.00 |

| | | | | |
|---|---|-----------------|-------------|-------------|
| 6 | 4"-6" Set-up for Installations of 20-50 each total | 1 | EA | \$350.00 |
| 7 | 4"-6" Set-up for Installations of 50-150 each total | 1 | EA | \$1.00 |
| 8 | 4"-6" Set-up for Installations of 50-150 each total (>150 no set-up will apply) | 1 | EA | \$1.00 |
| | | | Subtotal | \$7,462.00 |
| Section L - Manhole, Access Portals and Wet Well Renewal Systems | | Quantity | Unit | |
| 1 | All Sizes Installation and cure of manhole lining structure depth <10 vf | 1 | SQFT | \$100.00 |
| 2 | All Sizes Installation and cure of manhole lining structure depth +10 vf <20 vf | 1 | SQFT | \$90.00 |
| 3 | All Sizes Installation and cure of manhole lining structure depth +20 vf <40 vf | 1 | SQFT | \$80.00 |
| 4 | All Sizes Set-up for Install and cure of manhole lining structure <1000 sq ft | 1 | SQFT | \$10.00 |
| 5 | All Sizes Installation of Manhole Chlmney Seal | 1 | EA | \$750.00 |
| 6 | New manhole frame and cover | 1 | EA | \$1,200.00 |
| 7 | Adjust manhole frame and cover | 1 | EA | \$1,000.00 |
| 8 | Manhole Rehabilitation - cementitious | 1 | SQFT | \$20.00 |
| 9 | Manhole Rehabilitation - epoxy | 1 | SQFT | \$20.00 |
| 10 | Manhole Rehabilitation - modified polymer | 1 | SQFT | \$30.00 |
| 11 | Manhole, Pipes or Other Structures | 1 | SQFT | \$30.00 |
| 12 | Manhole Bench Rehabilitation - cementitious | 1 | SQFT | \$20.00 |
| 13 | Manhole Bench Rehabilitation - epoxy/modified polymer | 1 | SQFT | \$30.00 |
| 14 | Manhole Bench Rehabilitation - geopolymer | 1 | SQFT | \$30.00 |
| 15 | Manhole Bench Rebuild | 1 | EA | \$850.00 |
| | | | Subtotal | \$4,260.00 |
| Section M - Crew Travel & Mobilization | | Quantity | Unit | |
| 1 | Travel and Mobilization (Standard 1-2 weeks or more) | 1 | EA | \$7,500.00 |
| 2 | Travel and Mobilization-Emergency Repair (<1 week) | 1 | EA | \$9,000.00 |
| | | | Subtotal | \$16,500.00 |
| Section N - Pressure Pipe Fitting & Misc. | | Quantity | Unit | |
| 1 | Ductile Iron Fittings, Restraints, Hardware | 1 | LB | \$ 20.00 |
| 2 | 3-Way Fire Hydrant Assembly | 1 | EA | \$ 7,000.00 |
| 3 | Salvage Existing Fire Hydrant | 1 | EA | \$ 650.00 |
| 4 | 12 Ga. Tracer Wire | 1 | LF | \$ 5.50 |
| 5 | Connect to Existing Water Meter(include new angle valve) | 1 | EA | \$ 1,200.00 |
| 6 | Furnish & Install New Water Meter & Box | 1 | EA | \$ 1,750.00 |
| 7 | Remove Existing Valve & Box | 1 | EA | \$ 450.00 |
| 8 | Resilient Seat Gate Valve & Box | 1 | EA | \$ 1,550.00 |
| 9 | 1-Inch HDPE Potable Water Service Line (Short Service) Including new angle stop | 1 | LF | \$ 50.00 |
| 10 | 1-Inch HDPE Potable Water Service Line (Long Service) Including new angle stop | 1 | LF | \$ 50.00 |
| 11 | External Reconnect, water(Includes new meter box) | 1 | EA | \$ 2,000.00 |
| 12 | Remove & Replace Asphalt Pavement(Permanent Repair per Detail) | 1 | SY | \$ 180.00 |
| 13 | Remove & Replace Concrete Pavement(Permanent Repair per Detail) | 1 | SY | \$ 270.00 |
| 14 | Remove & Replace Gravel Pavement(Permanent Repair per Detail) | 1 | SY | \$ 20.00 |
| | | | Subtotal | \$15,195.50 |
| Section O - Geopolymer Storm Pipe & Culvert Lining | | Quantity | Unit | |
| 1 | 30" Storm Pipe - Minimum 1.0" | 1 | LF | \$ 262.50 |
| 2 | 36" Storm Pipe - Minimum 1.0" | 1 | LF | \$ 315.00 |
| 3 | 42" Storm Pipe - Minimum 1.0" | 1 | LF | \$ 362.00 |
| 4 | 48" Storm Pipe - Minimum 1.0" | 1 | LF | \$ 420.00 |
| 5 | 54" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 535.00 |
| 6 | 60" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 588.00 |
| 7 | 66" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 651.00 |

Attachment B

| | | | | |
|----|--|---|----------|--------------|
| 8 | 72" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 709.00 |
| 9 | 78" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 761.00 |
| 10 | 84" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 819.00 |
| 11 | 90" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 866.00 |
| 12 | 96" Storm Pipe - Minimum 1.5" | 1 | LF | \$ 914.00 |
| 13 | Additional 1.0" thickness | 1 | SF | \$ 58.00 |
| 14 | #3 Steel Rebar on 18" Centers for 30" Pipe | 1 | LF | \$ 80.00 |
| 15 | #3 Steel Rebar on 18" Centers for 36" Pipe | 1 | LF | \$ 90.00 |
| 16 | #3 Steel Rebar on 18" Centers for 42" Pipe | 1 | LF | \$ 95.00 |
| 17 | #3 Steel Rebar on 18" Centers for 48" Pipe | 1 | LF | \$ 105.00 |
| 18 | #3 Steel Rebar on 18" Centers for 54" Pipe | 1 | LF | \$ 110.00 |
| 19 | #3 Steel Rebar on 18" Centers for 60" Pipe | 1 | LF | \$ 120.00 |
| 20 | #3 Steel Rebar on 18" Centers for 66" Pipe | 1 | LF | \$ 125.00 |
| 21 | #3 Steel Rebar on 18" Centers for 72" Pipe | 1 | LF | \$ 135.00 |
| 22 | #3 Steel Rebar on 18" Centers for 78" Pipe | 1 | LF | \$ 140.00 |
| 23 | #3 Steel Rebar on 18" Centers for 84" Pipe | 1 | LF | \$ 150.00 |
| 24 | #3 Steel Rebar on 18" Centers for 90" Pipe | 1 | LF | \$ 155.00 |
| 25 | #3 Steel Rebar on 18" Centers for 96" Pipe | 1 | LF | \$ 160.00 |
| 26 | Invert Repair | 1 | LF | \$ 225.00 |
| 27 | Hydraulic Jacking of CMP | 1 | LF | \$ 120.00 |
| 28 | 6" Thickness Concrete Flatwork | 1 | SF | \$ 37.00 |
| 29 | Rip Rap Supply and Install | 1 | CF | \$ 150.00 |
| 30 | Void Grouting with Cementitious Grout | 1 | CF | \$ 120.00 |
| | | | | |
| | | | Subtotal | \$9,377.50 |
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| | | | Total | \$277,249.00 |