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|  | Procurement Form (FOR) | | | | |
| | Effective Date: 5/1/2019 | Document #: FSA_PRO_FOR_0033 | Revision Date: N/A | Revision#: 0 | |
| Document Title: Cost Tabulation/Notice of Respondents | | | Document Owner/Department: Procurement Team | | |
| Contract No./Title: 2202956/Professional and Technical Services for Sewer Meter Support Date: 3/6/2023 | | | | | |

| # | Items | # of Visits Per Year | UoM | Meter Identifier | Meter Location | Site Name | Size | Meter Make/Model | Meter Type | Meter Type(s) | Notes Regarding Access | PCI Vetric | | | Hamlett Engineering | | |
|--|--------|----------------------|--------|-------------------|---|---|------------------------------|------------------------------------|---|--|---------------------------------|---------------------|-----------------------|-------------------|---------------------|---------------------|-------------------|
| | | | | | | | | | | | | Unit Price | Annual Cost | 5 Year Total Cost | Unit Price | Annual Cost | 5 Year Total Cost |
| Customer Meter Detail and Scheduled Work Costing Table | | | | | | | | | | | | | | | | | |
| 1 Required Visits Per Year for Inspection Only (45) | | | | | | | | | | | | | | | | | |
| #1-1 | 1.A.1 | 8 | Visits | AP-S-1 | 16601 S. Dearborn | Enterprise & S. Dearborn | 2" | ISCO LaserFlow meter | Laser | Laser | Local Traffic Control Required | \$2,200.00 | \$17,600.00 | \$88,000.00 | \$600.00 | \$4,800.00 | \$24,000.00 |
| #1-2 | 1.A.2 | 8 | Visits | AP-S-2 | 1555 Fairlane Dr | Fairlane Dr, (Rotunda & Rouge River) | 8" | ABB /Magmaster | Magmeter | Inverted Siphon | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-3 | 1.A.3 | 8 | Visits | AP-S-3 | 14700 Moran Rd. | Moran & Old goddard rd | 6" | Siemens LUT 440 | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-4 | 1.A.4 | 8 | Visits | CL-S-1 | 8020 E. 8 Mile Rd | 8 Mile & Van Dyke (P.S.) | 10" | ABB /Magmaster | Magmeter | Magnetic | MDOT Traffic Control Required | \$2,440.00 | \$19,520.00 | \$97,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-5 | 1.A.5 | 8 | Visits | DN-S-2 | 2701 Greenfield Rd | Greenfield (P.S.) | 36" | Siemens MAGFLO | Magmeter | Magnetic | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-6 | 1.A.6 | 8 | Visits | DN-S-4 | 3824 Southfield Rd | Southfield (S), North of Hubbard Dr. | 12" | ABB /Magmaster | Magmeter | Magnetic | MDOT Traffic Control Required | \$2,440.00 | \$19,520.00 | \$97,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-7 | 1.A.7 | 8 | Visits | DN-S-5 | 3824 Southfield Rd | Southfield (NB), S of Hubbard Dr. | 8" | ABB /Magmaster | Magmeter | Magnetic | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-8 | 1.A.8 | 8 | Visits | DN-S-6 | 17301 Michigan Ave | Michigan Ave. & Emerson (E. of Southfield Fwy) | 3" | Miltronc OCM III | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-9 | 1.A.9 | 8 | Visits | DN-S-7 | 19320 Ford Rd | Altar (E. of Evergreen) & Ford Rd. | 3" | Miltronc OCM III | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-10 | 1.A.10 | 8 | Visits | DN-S-8 | 1390 Miller Rd | Miller Road (P.S.) | 54" | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-11 | 1.A.11 | 8 | Visits | FA-S-1 | 22990 8 Mile Rd | 22990 8 Mile Rd | 9" | Siemens LUT400 | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-12 | 1.A.12 | 8 | Visits | GK-S-1 | 15115 E. Jefferson Ave | Jefferson & Maryl (P.S.) Storm Pump | 72" | Siemens LUT401 | Parshall Flume | Flume / Down Looker | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-13 | 1.A.13 | 8 | Visits | GK-S-2 | 15115 E. Jefferson Ave | Jefferson & Maryl (P.S.) | 16" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-14 | 1.A.14 | 8 | Visits | GP-S-1 | 795 Neff Rd. | Charlevoix st. & Neff rd, | 18" | Siemens MAGFLO | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-15 | 1.A.15 | 8 | Visits | GPF-MAG | 312 Chalfonte Ave | Grosse Pointe Farms Sewage Pumping Station | 1" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-16 | 1.A.16 | 8 | Visits | ME-S-1 | 3250 Greenfield Rd | 3250 Greenfield Rd, Melvindale (P.S.) | 16" | ABB Water Master | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-17 | 1.A.17 | 8 | Visits | OC-S-1 | 8 Mile & Southfield Rd | 8 Mile & Southfield | 5.5' | NuSonic | Magmeter-Seimens | Transit-Time | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-18 | 1.A.18 | 8 | Visits | SE-S-1 | 20480 Dequindre | 8 Mile & Dequindre | 5.5' | Siemens MAGFLO | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-19 | 1.A.19 | 8 | Visits | WC-S-1 | 173 S Fort Street | S Fort & Oakwood | 6.5' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-20 | 1.A.20 | 8 | Visits | WC-S-2 | 2110 Ford Rd | Ford Road & Evergreen | 5.5' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-21 | 1.A.21 | 8 | Visits | WC-S-3 | 3250 Greenfield Rd | Ford Road & Evergreen | 5" | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | ' | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-22 | 1.A.22 | 8 | Visits | WM-S-1 | 311 Chalfonte Ave | Kerby Road P.S. | 42" | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-23 | 1.A.23 | 8 | Visits | NES-DWP | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 1" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-24 | 1.A.24 | 8 | Visits | NES-S-1 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-25 | 1.A.25 | 8 | Visits | NES-S-2 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-26 | 1.A.26 | 8 | Visits | NES-S-4 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 4" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-27 | 1.A.27 | 8 | Visits | NES-S-5 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-28 | 1.A.28 | 8 | Visits | NES-S-6 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$5,000.00 | \$25,000.00 |
| #1-29 | 1.B.1 | 2 | Visits | BC-S-2 (2 meters) | Baby Creek CSO | Baby Creek CSO Toward-Treatment Sewer | 6' | ADS NivuFlow / ISCO LaserFlowmeter | Continuous wave doppler / Laser Flow meter | Range Gated Doppler / Laser Flow Meter | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-30 | 1.B.2 | 2 | Visits | DT-S-1 | Evergreen Road north of Ann Arbor Trail | Northwest Interceptor at Evergreen Road | 6' | Teledyne / ISCO Pro 20 | Continuous wave doppler | ADFM | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-31 | 1.B.3 | 2 | Visits | DT-S-3 | 16401 Ford Rd., Dearborn | Hubbell - Southfield at Ford HQ (Mercury Dr. and Executive Plaza Dr.) | 14.25'h x 13.313' w | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-32 | 1.B.4 | 2 | Visits | DT-S-6 | 7457 Weatherby, Detroit | Baby Creek, Highland Park | 24' | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-33 | 1.B.5 | 2 | Visits | DT-S-7 | 12244 Jefferson Ave., Detroit | Conner Creek Forebay DT-S-7 | 7' | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-34 | 1.B.6 | 2 | Visits | DT-S-8 | 9002 E. Jefferson, Detroit | DRI @ Jeffersonian Apartments | 11' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-35 | 1.B.7 | 2 | Visits | DT-S-10 | 2201 Franklin rd. | Franklin & Dubois st. | 13 | Teledyne / ISCO Pro 21 | Pulse Doppler (ISCO Pro 20) Accusonic, Has Pulsar level sensor Pulsar has level Pro 20 has flow, level and velocity | ADFM | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-36 | 1.B.8 | 2 | Visits | DT-S-11 | Mt. Elliot and Palmer | Conant - Mt. Elliot | 16.25' | Teledyne / ISCO Pro 21 | Pulse Doppler (ISCO Pro 20) Accusonic, Has Pulsar level sensor Pulsar has level Pro 20 has flow, level and velocity | ADFM | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-37 | 1.B.9 | 2 | Visits | DT-S-12 | 1980 W. Jefferson Avenue | DRI @ Jefferson between Rosa Park and Vermont | 15.25' | Accusonic 7510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-38 | 1.B.10 | 2 | Visits | DT-S-13 | 8718 Seven Mile Rd., Detroit | Connor @ Mt. Olivet (weir) in Mt. Olivet cemetery | 7' rect. notch in 18.5' pipe | Siemens LUT400 | Weir Ultrasonic level sensor | Compound Weir | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-39 | 1.B.11 | 2 | Visits | DT-S-14 | 11010 E State Fair Avenue | NEWTP Discharge Flows | 6' | Teledyne / ISCO 2150 | Continuous wave doppler | Open Channel | Access Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-40 | 1.B.12 | 2 | Visits | Oakwood P5 | N/A | Oakwood Pump Station | N/A | N/A | (2) Magmeters; (8) ADFM | N/A | N/A | \$2,880.00 | \$5,760.00 | \$28,800.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-41 | 1.B.13 | 2 | Visits | WRRF SFE_48 | WRRF Basement | WRRF SFE 48-inch line | 4' | Accusonic 7510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Must Coordinate with WRRF Staff | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-42 | 1.B.14 | 2 | Visits | WRRF SFE_60 | WRRF Basement | WRRF SFE 60-inch line | 5' | Accusonic 7510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Must Coordinate with WRRF Staff | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-43 | 1.B.15 | 2 | Visits | WM-S-2 | 1202 Bishop, Grosse Pointe Park | Fox Creek Enclosure @ Kercheval | 14' | Teledyne / ISCO Signature | Laser | Laser | Coord. with 3 Agencies | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-44 | 1.B.16 | 2 | Visits | WRRF_P2 | WRRF Pump Station 2 | WRRF Pump Station 2 | N/A | N/A | (8) Magmeters | N/A | N/A | \$5,760.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| #1-45 | 1.B.17 | 2 | Visits | WRRF (8 meters) | WRRF | WRRF | N/A | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Must Coordinate with WRRF Staff | \$5,760.00 | \$11,520.00 | \$57,600.00 | \$625.00 | \$1,250.00 | \$6,250.00 |
| Subtotal - PM | | | | | | | | | | | | \$413,760.00 | \$2,068,800.00 | | \$160,850.00 | \$804,250.00 | |

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|---|------------------------------------|--|---|------------------------|--|
|  | Procurement Form (FOR) | | | | |
| | Effective Date: 5/1/2019 | Document #: FSA_PRO_FOR_0033 | Revision Date: N/A | Revision#: 0 | |
| Document Title: Cost Tabulation/Notice of Respondents | | | Document Owner/Department: Procurement Team | | |
| Contract No./Title: 2202956/Professional and Technical Services for Sewer Meter Support Date: 3/6/2023 | | | | | |

| # | Items | # of Visits Per Year | UoM | Meter Identifier | Meter Location | Site Name | Size | Meter Make/Model | Meter Type | Meter Type(s) | Notes Regarding Access | PCI Vetrix | | | Hamlett Engineering | | |
|--|--------|----------------------|--------|-------------------|---|---|---------------|------------------------------------|---|--|---------------------------------|---------------------|-----------------------|---------------------|-----------------------|-------------|-------------------|
| | | | | | | | | | | | | Unit Price | Annual Cost | 5 Year Total Cost | Unit Price | Annual Cost | 5 Year Total Cost |
| System Meter Detail and Scheduled Work Costing Table | | | | | | | | | | | | | | | | | |
| 2 Required Visits Per Year for PM and Calibration (45) | | | | | | | | | | | | | | | | | |
| #2-1 | 1.A.1 | 4 | Visits | AP-S-1 | 16601 S. Dearborn | Enterprise & S. Dearborn | 2" | ISCO LaserFlow meter | Laser | Laser | Local Traffic Control Required | \$2,200.00 | \$8,800.00 | \$44,000.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-2 | 1.A.2 | 4 | Visits | AP-S-2 | 1555 Fairlane Dr | Fairlane Dr, (Rotunda & Rouge River) | 8" | ABB /Magmaster | Magmeter | Inverted Siphon | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-3 | 1.A.3 | 4 | Visits | AP-S-3 | 14700 Moran Rd. | Moran & Old goddard rd | 6" | Siemens LUT 440 | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-4 | 1.A.4 | 4 | Visits | CL-S-1 | 8020 E. 8 Mile Rd | 8 Mile & Van Dyke (P.S.) | 10" | ABB /Magmaster | Magmeter | Magnetic | MDOT Traffic Control Required | \$2,440.00 | \$9,760.00 | \$48,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-5 | 1.A.5 | 4 | Visits | DN-S-2 | 2701 Greenfield Rd | Greenfield (P.S.) | 36" | Siemens MAGFLO | Magmeter | Magnetic | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-6 | 1.A.6 | 4 | Visits | DN-S-4 | 3824 Southfield Rd | Southfield (S), North of Hubbard Dr. | 12" | ABB /Magmaster | Magmeter | Magnetic | MDOT Traffic Control Required | \$2,440.00 | \$9,760.00 | \$48,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-7 | 1.A.7 | 4 | Visits | DN-S-5 | 3824 Southfield Rd | Southfield (NB), S of Hubbard Dr. | 8" | ABB /Magmaster | Magmeter | Magnetic | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-8 | 1.A.8 | 4 | Visits | DN-S-6 | 17301 Michigan Ave | Michigan Ave. & Emerson (E. of Southfield Fwy) | 3" | Miltronc OCM III | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-9 | 1.A.9 | 4 | Visits | DN-S-7 | 19320 Ford Rd | Altar (E. of Evergreen) & Ford Rd. | 3" | Miltronc OCM III | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-10 | 1.A.10 | 4 | Visits | DN-S-8 | 1390 Miller Rd | Miller Road (P.S.) | 54" | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-11 | 1.A.11 | 4 | Visits | FA-S-1 | 22990 8 Mile Rd | 22990 8 Mile Rd | 9" | Siemens LUT400 | Parshall Flume | Flume / Down Looker | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-12 | 1.A.12 | 4 | Visits | GK-S-1 | 15115 E. Jefferson Ave | Jefferson & Maryl (P.S.) Storm Pump | 72" | Siemens LUT401 | Parshall Flume | Flume / Down Looker | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-13 | 1.A.13 | 4 | Visits | GK-S-2 | 15115 E. Jefferson Ave | Jefferson & Maryl (P.S.) | 16" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-14 | 1.A.14 | 4 | Visits | GP-S-1 | 795 Neff Rd. | Charlevoix st. & Neff rd, | 18" | Siemens MAGFLO | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-15 | 1.A.15 | 4 | Visits | GPF-MAG | 312 Chalfonte Ave | Grosse Pointe Farms Sewage Pumping Station | 1" | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-16 | 1.A.16 | 4 | Visits | ME-S-1 | 3250 Greenfield Rd | 3250 Greenfield Rd, Melvindale (P.S.) | 16" | ABB Water Master | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-17 | 1.A.17 | 4 | Visits | OC-S-1 | 8 Mile & Southfield Rd | 8 Mile & Southfield | 5.5' | NuSonic | Magmeter-Seimens | Transit-Time | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-18 | 1.A.18 | 4 | Visits | SE-S-1 | 20480 Dequindre | 8 Mile & Dequindre | 5.5' | Siemens MAGFLO | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-19 | 1.A.19 | 4 | Visits | WC-S-1 | 173 S Fort Street | S Fort & Oakwood | 6.5' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-20 | 1.A.20 | 4 | Visits | WC-S-2 | 2110 Ford Rd | Ford Road & Evergreen | 5.5' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-21 | 1.A.21 | 4 | Visits | WC-S-3 | 3250 Greenfield Rd | Ford Road & Evergreen | 5' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | ' | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-22 | 1.A.22 | 4 | Visits | WM-S-1 | 311 Chalfonte Ave | Kerby Road P.S. | 42" | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-23 | 1.A.23 | 4 | Visits | NES-DWP | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 1' | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-24 | 1.A.24 | 4 | Visits | NES-S-1 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5' | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-25 | 1.A.25 | 4 | Visits | NES-S-2 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5' | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-26 | 1.A.26 | 4 | Visits | NES-S-4 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 4' | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-27 | 1.A.27 | 4 | Visits | NES-S-5 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5' | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-28 | 1.A.28 | 4 | Visits | NES-S-6 | 11000 E. 8 Mile Rd | Northeast Sewage Pumping Station (P.S.) | 5' | ABB /Magmaster | Magmeter | Magnetic | Contact Customer for Access | \$1,440.00 | \$5,760.00 | \$28,800.00 | \$1,900.00 | \$7,600.00 | \$38,000.00 |
| #2-29 | 1.B.1 | 2 | Visits | BC-S-2 (2 meters) | Baby Creek CSO | Baby Creek CSO Toward-Treatment Sewer | 6' | ADS NivuFlow / ISCO LaserFlowmeter | Continuous wave doppler / Laser Flow meter | Range Gated Doppler / Laser Flow Meter | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-30 | 1.B.2 | 2 | Visits | DT-S-1 | Evergreen Road north of Ann Arbor Trail | Northwest Interceptor at Evergreen Road | 6' | Teledyne / ISCO Pro 20 | Continuous wave doppler | ADFM | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-31 | 1.B.3 | 2 | Visits | DT-S-3 | 16401 Ford Rd., Dearborn | Hubbell - Southfield at Ford HQ (Mercury Dr. and Executive Plaza Dr.) | 14.25h x 13 | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-32 | 1.B.4 | 2 | Visits | DT-S-6 | 7457 Weatherby, Detroit | Baby Creek, Highland Park | 24' | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-33 | 1.B.5 | 2 | Visits | DT-S-7 | 12244 Jefferson Ave., Detroit | Conner Creek Forebay DT-S-7 | 7' | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-34 | 1.B.6 | 2 | Visits | DT-S-8 | 9002 E. Jefferson, Detroit | DRI @ Jeffersonian Apartments | 11' | ADS / NivuFlow | Continuous wave doppler | Range Gated Doppler | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-35 | 1.B.7 | 2 | Visits | DT-S-10 | 2201 Franklin rd. | Franklin & Dubois st. | 13 | Teledyne / ISCO Pro 21 | Pulse Doppler (ISCO Pro 20) Accusonic, Has Pulsar level sensor Pulsar has level Pro 20 has flow, level and velocity | ADFM | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-36 | 1.B.8 | 2 | Visits | DT-S-11 | Mt. Elliot and Palmer | Conant - Mt. Elliot | 16.25' | Teledyne / ISCO Pro 21 | Pulse Doppler (ISCO Pro 20) Accusonic, Has Pulsar level sensor Pulsar has level Pro 20 has flow, level and velocity | ADFM | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-37 | 1.B.9 | 2 | Visits | DT-S-12 | 1980 W. Jefferson Avenue | DRI @ Jefferson between Rosa Park and Vermont | 15.25' | Accusonic 7510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-38 | 1.B.10 | 2 | Visits | DT-S-13 | 8718 Seven Mile Rd., Detroit | Connor @ Mt. Olivet (weir) in Mt. Olivet cemetery | 7' rect. notc | Siemens LUT400 | Weir Ultrasonic level sensor | Compound Weir | Shutdown Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-39 | 1.B.11 | 2 | Visits | DT-S-14 | 11010 E State Fair Avenue | NEWTP Discharge Flows | 6' | Teledyne / ISCO 2150 | Continuous wave doppler | Open Channel | Access Request Required | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-40 | 1.B.12 | 2 | Visits | Oakwood PS | N/A | Oakwood Pump Station | N/A | N/A | (2) Magmeters; (8) ADFM | N/A | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 | |
| #2-41 | 1.B.13 | 2 | Visits | WRRF SFE 48 | WRRF Basement | WRRF SFE 48-inch line | 4' | Accusonic 7510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Must Coordinate with WRRF Staff | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-42 | 1.B.14 | 2 | Visits | WRRF SFE 60 | WRRF Basement | WRRF SFE 60-inch line | 5' | Accusonic 7510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Must Coordinate with WRRF Staff | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-43 | 1.B.15 | 2 | Visits | WM-S-2 | 1202 Bishop, Grosse Pointe Park | Fox Creek Enclosure @ Kercheval | 14' | Teledyne / ISCO Signature | Laser | Laser | Coord. with 3 Agencies | \$1,440.00 | \$2,880.00 | \$14,400.00 | \$3,750.00 | \$7,500.00 | \$37,500.00 |
| #2-44 | 1.B.16 | 2 | Visits | WRRF_P2 | WRRF Pump Station 2 | WRRF Pump Station 2 | N/A | N/A | (8) Magmeters | N/A | Must Coordinate with WRRF Staff | \$5,760.00 | \$11,520.00 | \$57,600.00 | \$25,000.00 | \$50,000.00 | \$250,000.00 |
| #2-45 | 1.B.17 | 2 | Visits | WRRF (8 meters) | WRRF | WRRF | N/A | Accusonic 8510 IS | Open Channel Transit Time | Multi path (Transit-Time) | Must Coordinate with WRRF Staff | \$5,760.00 | \$11,520.00 | \$57,600.00 | \$25,000.00 | \$50,000.00 | \$250,000.00 |
| Subtotal - PM | | | | | | | | | | | | \$238,560.00 | \$1,192,800.00 | \$382,800.00 | \$1,914,000.00 | | |

| # | Description | Staff | Hours Per Year | Hourly Rate | PCI Vetrix | | Hamlett Engineering | | |
|--|---|---|----------------|-------------|---------------------|-----------------------|---------------------|-----------------------|-----------------------|
| | | | | | Annual Cost | Total 5-Year Cost | Hourly Rate | Annual Cost | Total 5-Year Cost |
| Task #2 - WATF and Maintenance Meetings (2) | | | | | | | | | |
| 2.1 | Bi-Weekly Maintenance Meetings | Project Manager/Senior Engineer | 80 | \$135.00 | \$10,800.00 | \$54,000.00 | \$150.00 | \$12,000.00 | \$60,000.00 |
| 2.2 | Wastewater Analytical Task Force Meetings | Project Manager/Senior Engineer | 40 | \$135.00 | \$5,400.00 | \$27,000.00 | \$150.00 | \$6,000.00 | \$30,000.00 |
| Subtotal - Task #2 | | | | | \$16,200.00 | \$81,000.00 | | \$18,000.00 | \$90,000.00 |
| Task #3 - Managed Services (6) | | | | | | | | | |
| 3.1 | Managed Services | Engineer (10+ years experience) | 1070 | \$120.00 | \$128,400.00 | \$642,000.00 | \$135.00 | \$144,450.00 | \$722,250.00 |
| 3.2 | Managed Services | Engineer (5-10 years experience) | 1070 | \$100.00 | \$107,000.00 | \$535,000.00 | \$115.00 | \$123,050.00 | \$615,250.00 |
| 3.3 | Managed Services | Radio Technician | 480 | \$65.00 | \$31,200.00 | \$156,000.00 | \$123.00 | \$59,040.00 | \$295,200.00 |
| 3.4 | Managed Services | Instrument Technician (10+ Years Experience) | 3120 | \$85.00 | \$265,200.00 | \$1,326,000.00 | \$100.00 | \$312,000.00 | \$1,560,000.00 |
| 3.5 | Managed Services | Instrument Technician (5-10 Years Experience) | 3120 | \$80.00 | \$249,600.00 | \$1,248,000.00 | \$90.00 | \$280,800.00 | \$1,404,000.00 |
| 3.6 | Managed Services | Instrument Mechanic | 3120 | \$60.00 | \$187,200.00 | \$936,000.00 | \$80.00 | \$249,600.00 | \$1,248,000.00 |
| Subtotal - Task #3 | | | | | \$968,600.00 | \$4,843,000.00 | | \$1,168,940.00 | \$5,844,700.00 |
| Task 2 & Task 3 Total | | | | | \$984,800.00 | \$4,924,000.00 | | \$1,186,940.00 | \$5,934,700.00 |

| | | | | |
|---|------------------------------------|---|------------------------------|------------------------|
|  | Procurement Form (FOR) | | | |
| | Effective Date: 5/1/2019 | Document #: FSA_PRO_FOR_0033 | Revision Date: N/A | Revision#: 0 |
| Document Title: Cost Tabulation/Notice of Respondents | | Document Owner/Department: Procurement Team | | |
| Contract No./Title: 2202956/Professional and Technical Services for Sewer Meter Support Date: 3/6/2023 | | | | |

| # | | | Quantity Required | Unit Price | PCI Vetric | | Hamlett Engineering | | |
|------------------------------------|--|---|-------------------|--------------|---------------------|-----------------------|-----------------------|---------------------|-----------------------|
| | | | | | Annual Cost | Total 5-Year Cost | Unit Price | Annual Cost | Total 5-Year Cost |
| Tasks 4 & 5 Provisional Allowance | | | | | | | | | |
| #0-1 | | Corrective and Emergency Maintenance Provisional Allowance (Must Enter \$125,000.00) | 1 | \$125,000.00 | \$125,000.00 | \$625,000.00 | \$125,000.00 | \$125,000.00 | \$625,000.00 |
| #0-2 | | Upgrade; Replacement; Relocation and New Meter Technology Provisional Allowance (Must Enter \$390,000.00) | 1 | \$390,000.00 | \$390,000.00 | \$1,950,000.00 | \$390,000.00 | \$390,000.00 | \$1,950,000.00 |
| Total Provisional Allowance | | | | | | \$515,000.00 | \$2,575,000.00 | \$515,000.00 | \$2,575,000.00 |

| Description of Task | PCI Vetric | | Hamlett Engineering | |
|--|-----------------------|------------------------|-----------------------|------------------------|
| | Annual Cost | Total 5-Year Cost | Annual Cost | Total 5-Year Cost |
| 1. Sewer Meter Preventative Maintenance & Inspection | | | | |
| A. Customer Meter Costs | \$413,760.00 | \$2,068,800.00 | \$160,850.00 | \$804,250.00 |
| B. System Meter Costs | \$238,560.00 | \$1,192,800.00 | \$382,800.00 | \$1,914,000.00 |
| 2. WATF & Bi-Weekly Maintenance Meetings | \$16,200.00 | \$81,000.00 | \$18,000.00 | \$90,000.00 |
| 3. Staff Augmentation / Managed Services | \$968,600.00 | \$4,843,000.00 | \$1,168,940.00 | \$5,844,700.00 |
| Subtotal Tasks 1-3 | \$1,637,120.00 | \$8,185,600.00 | \$1,730,590.00 | \$8,652,950.00 |
| 4. Provisional Allowance - Corrective and Emergency Maintenance | \$125,000.00 | \$625,000.00 | \$125,000.00 | \$625,000.00 |
| 5. Provisional Allowance - Upgrade; Replacement; Relocation; and New Meter Technology | \$390,000.00 | \$1,950,000.00 | \$390,000.00 | \$1,950,000.00 |
| TOTAL CONTRACT PRICE (Tasks 1-5) | \$2,152,120.00 | \$10,760,600.00 | \$2,245,590.00 | \$11,227,950.00 |

Approved: Joan Salvasser 3/10/2023