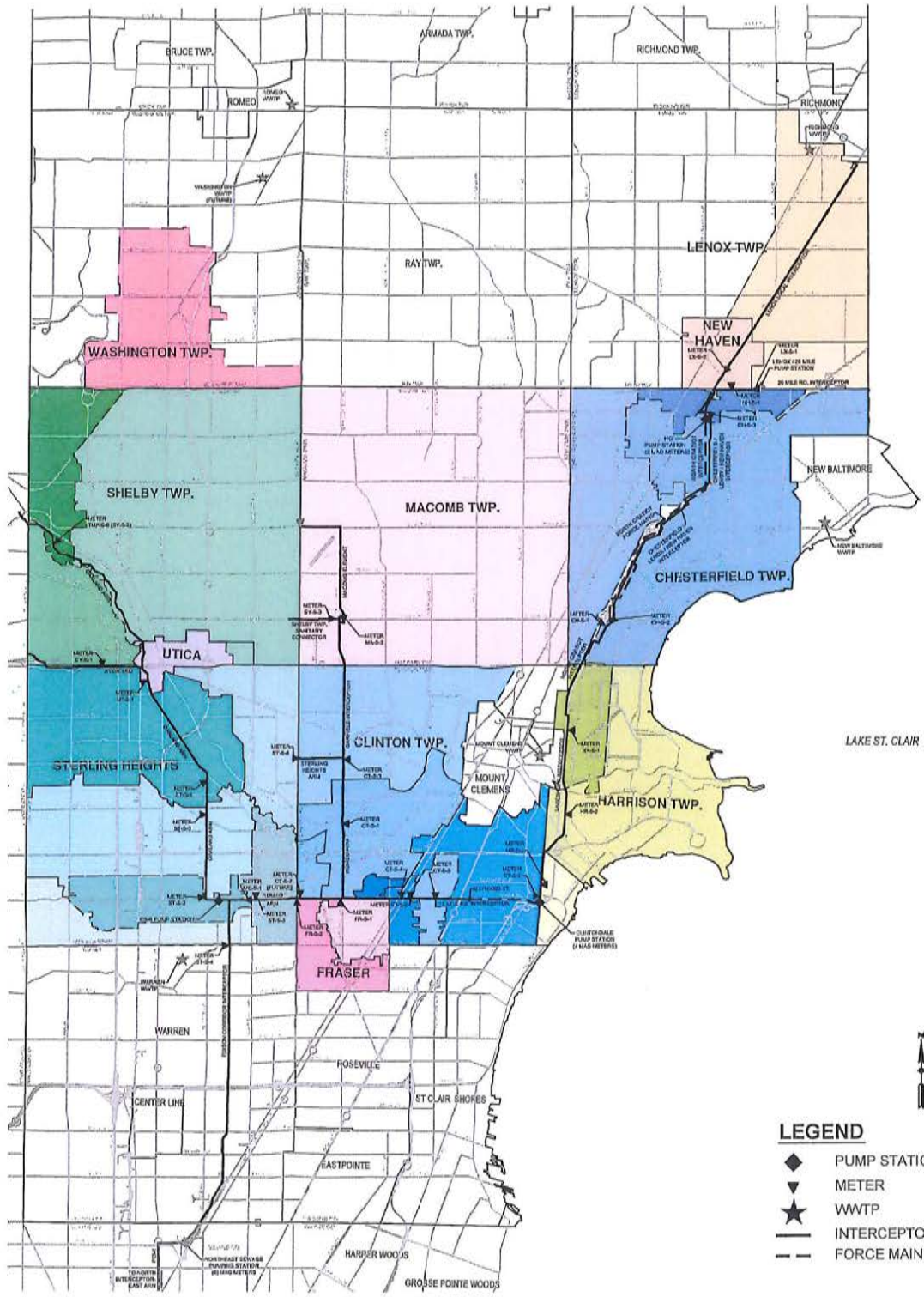


MACOMB INTERCEPTOR DRAIN
INTRA-COUNTY DRAINAGE BOARD
DECEMBER 9, 2019
10:15 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for December 9, 2019	
3. Approval of Minutes for November 18, 2019	3
4. Public Participation	
5. Project Updates – Vince Astorino/Stephen Downing	
6. Meter Maintenance Award Recommendation – Vince Astorino	5
Motion: To approve the three-year Meter Maintenance Proposal from ADS Environmental Services at a total cost of \$543,915 (MIDD share \$490,410).	
7. Amended Purchase Agreement (Time Only Extension) – M59/Garfield Property - Brian Baker	34
8. Consideration for approval of invoices (see attached)	36
9. Financial Report – Bruce Manning	38
10. Adjourn	

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



- LEGEND**
- ◆ PUMP STATION
 - ▼ METER
 - ★ WWTP
 - INTERCEPTOR
 - - - FORCE MAIN



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER

fitch
 UPDATED: FEBRUARY 2017

An adjourned meeting of the Intra-County Drainage Board for the **MACOMB INTERCEPTOR DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on November 18, 2019, at 11:13 A.M.

PRESENT: Candice S. Miller, Chair

Bryan Santo, Member

ABSENT: Robert Mijac, Member

ALSO PRESENT: Vince Astorino, Operations & Flow Manager, Brian Baker, Chief Deputy, Jeff Bednar, P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Kellie Kource, Drain Account Specialist, Dan Heaton, Communications Manager, Daryl Gapshes, Plan Review Manager, Macomb County Public Works

The meeting was called to order by the Chair, Candice Miller. A motion was made by Mr. Santo, supported by Ms. Miller to approve the agenda as presented.

Adopted: YEAS: 2
NAYS: 0

Minutes of the meeting of October 21, 2019 were presented. A motion was made by Mr. Santo, supported by Ms. Miller to approve the minutes as presented.

Adopted: YEAS: 2
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

Mr. Astorino updated the board that the grouting taking place on 15 Mile is moving along slow but steady. We anticipate being done with that segment of the pipe by the end of the year and have put together numbers to keep moving through the system. The MASW ground penetrating radar is underway and should be complete in the next week. The design for the lining of Segment 5 should be out to bid in March or April 2020.

A motion was made by Mr. Santo, supported by Ms. Miller to receive and file the project update by Mr. Astorino.

Adopted: YEAS: 2
NAYS: 0

A motion was made by Mr. Santo, supported by Ms. Miller to accept the bid in the amount of \$1,157,147 and enter an agreement with Inland Waters Pollution Control to rehabilitate the meter facility drop shaft and connecting sewer at the noted facilities.

Adopted: YEAS: 2
NAYS: 0

A motion was made by Mr. Santo, supported by Ms. Miller to accept the bid in the amount of \$918,475 and enter an agreement with Inland Waters Pollution Control to rehabilitate the meter facility drop shaft and connecting sewer at the noted facilities.

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$333,140.67 to the board for review and approval.

A motion was made by Mr. Santo, supported by Ms. Miller to approve the invoices as presented.

Adopted: YEAS: 2
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Ms. Miller.

Adopted: YEAS: 2
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Ms. Miller, that the meeting of the Macomb Interceptor Drain Board be adjourned.

Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 11:20 p.m.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on November 18, 2019 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 11/18/19



Candice S. Miller

Public Works Commissioner
Macomb County

From: Macomb County Public Works Office

Date: 11-27-2019

To: Macomb Interceptor Drain Drainage District Board

Copy: File
Evaluation Committee

RE: Proposal Evaluation Project Award Recommendation
MCPWO RFP No.: **MCPWO-WWS-2019-RFP-007**
MCPWO Proposal Name: **Meter Maintenance**

This is an open competitive contract for a three (3) year meter maintenance contract. The Request for Proposals (RFP) was advertised from 10-10-19 to 11-15-19 on the Michigan Inter-Governmental Trade Network (MITN) website. Thirty Eight (38) firms downloaded the RFP.

One (1) Addendum was issued during the course of the RFP. The Addendums provided responses to vendor questions submitted during the question period.

On 11-15-19, proposals were received from three (3) firms. Each of the three firms were disqualified due to irregularities noted in their proposals. These firms were notified via a post-bid addendum regarding these irregularities and were to resubmit by 11-27-19. Each member of the Evaluation Committee independently reviewed and scored the proposals in accordance with MCPWO's policy. The possible range of scores was from 0 to 100%. The proposers were ranked as provided below in Table 1.

Table 1. Proposers Scores

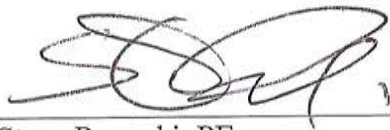
Firm	Score	Proposed Cost
ADS	98.6%	\$543,915.00
HESCO	70.3%	\$776,970.00
Decima	30.5%	\$ 1,673,489.20

The Evaluation Committee recommends that **ADS**, the number one ranked proposer, be named as the firm for the above referenced Project. A breakout of cost per district is provide below in Table 2.

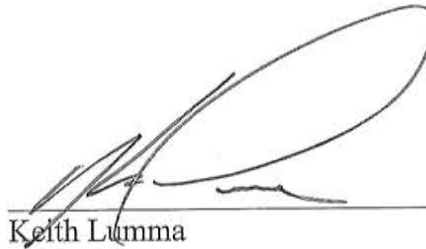
Table 2. ADS Cost Breakout by District

Task	Cost
Task 1. MIDDD	\$490,410
Task 2. 8MRDDD	\$26,100
Task 3. MSDDD	\$14,355
Task 4. SEMCWDS	\$7,830
Task 5. Schmidt	\$1,305
Task 6. Murdock	\$1,305
Task 7. Bridgewood	\$1,305
Task 8. Hildebrandt	\$1,305
Total Cost	\$543,915

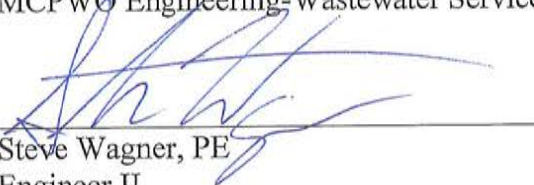
On behalf of the Board please indicate your approval of this recommendation by signing below.
Thank you for consideration of this recommendation.



Steve Rozycki, PE
Engineer II
MCPWO Engineering-Wastewater Services



Keith Lumma
Engineer II
MCPWO Engineering-Wastewater Services



Steve Wagner, PE
Engineer II
MCPWO Engineering-Wastewater Services

Macomb County Public Works Office

Request for Proposal Evaluation Summary



RFP Number:

MCPWO-WWS-2019-RFP-007

Project Description:

Meter Maintenance

Budget:

Maintenance

Requirement	ADS	HESCO	Decima
Technical Proposal	x	x	x
Cost Proposal - Separate Sealed Envelope	x	x	x
Owner-Engineer Disclosure From	x	x	x
Non-Collusion Affidavit	x	x	x
General Information	x	x	x
Iran Economic Sanction Act	x	x	x
Federal E-Verify Program	x	x	x
Proposal Form - Submitted with Cost Proposal	x	x	x
Vendor Certification Debarment	x	x	x
Bonding Capacity - Construction Projects Only			
Total:	9	9	9

Technical Proposal Evaluation

Category (Max Score)	ADS	HESCO	Decima
Technical Proposal (50)	20.00	9.17	2.50
Experience & Qualifications (30)	35.33	35.00	7.67
Project Team & Key Individuals (30)	40.00	26.83	15.50
Sub-Total Score:	95.33	71.00	25.67

Cost Breakdown -- Three Year Total

Task	ADS	HESCO	Decima
Task 1. MIDDD	\$490,410	\$722,400	\$1,548,765.60
Task 2. 8MRDDD	\$26,100	\$25,680	\$48,604.80
Task 3. MSDDD	\$14,355	\$14,940	\$40,113.60
Task 4. SEMCWDS	\$7,830	\$7,950	\$21,069.40
Task 5. Schmidt	\$1,305	\$1,500	\$3,516.60
Task 6. Murdock	\$1,305	\$1,500	\$3,806.40
Task 7. Bridgewood	\$1,305	\$1,500	\$3,806.40
Task 8. Hildebrandt	\$1,305	\$1,500	\$3,806.40
Total Cost	\$543,915	\$776,970	\$1,673,489
Sub-Total Score:	100.00	70.00	32.50

Composite Score

Proposal	ADS	HESCO	Decima
Technical	28.60	21.30	7.70
Cost	70.00	49.00	22.75
Total Score:	98.60	70.30	30.45

Recommendation

ADS

Proposal	Weighted Percent
Technical	30%
Cost	70%

November 27th, 2019

Macomb Interceptor Drain Drainage District
21777 Dunham Road
Clinton Township, MI 48036

Subject: Request for Proposal for Macomb Interceptor Drain Drainage District Meter Maintenance - PROPOSAL NO.: WWS-2019-RFP-007

ADS Environmental Services (ADS) is pleased to have the opportunity to submit our proposal in response to the Request for Proposal for Macomb Interceptor Drain Drainage District Meter Maintenance program. We are excited to showcase our professional team and experience on this project and to provide critical meter maintenance and field services for the County staff that utilize this information.

Successful metering maintenance and services are very complex tasks requiring superior technical expertise, dedicated personnel, and proven work flow processes. All of these components are essential to eliminate risk and deliver a successful project. ADS can bring all of these items to the table for the County and for this project. Our team already has a great understanding of this project through collaboration and field visits with County staff and the information outlined in the associated RFP. Our proposal demonstrates that we can meet, without exception, each standard of qualifications outlined by the County's specifications.

We believe our team will provide Macomb County the technical expertise, the most experienced staff, and proven processes to manage this project for the term the County has outlined. By selecting ADS, Macomb County will eliminate the risk associated with working with a less experienced metering service providers or equipment rep, as our experienced technicians are ready to provide the professional services needed by the County for all of the maintenance needs outlined, regardless of brand make or model. By selecting ADS, you will gain a partner who will focus its energies and leverage its experience in order to provide professional maintenance services on the critical meter assets in your collection system.

We look forward to your decision in selection. Should it be required, and our team is ready to interview or discuss any "next steps" or to firm up any assumptions in our work plan, project costs, and overall strategy. If you have any questions regarding this submittal, please do not hesitate to call me at (708) 341-9701.

Sincerely,
ADS Environmental Services



Chris Skehan, M.S.
Business Development Manager
cskehan@idexcorp.com



Flow Monitoring Services Qualifications Macomb Interceptor Drain Drainage District Meter Maintenance Request for Proposal

Prepared for:

**Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036**

November 27, 2019

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1. LETTER OF INTRODUCTION

Having received a copy of the RFP , all associated Reference Documents, Addendum #1, and Post-Bid Addendum #1, ADS Environmental Services is pleased to have the opportunity to submit our qualifications to provide flow monitoring services for Macomb County’s Meter Maintenance Program. ADS is uniquely qualified for this work as our company specializes in providing maintenance and service on collection system meter networks across the United States. Our success is rooted in our experience and staff knowledge we have gained over the last 40 years of meter/monitoring projects and services. ADS is truly unmatched in the industry. Our achievements are largely based on an understanding of flow hydraulics, a systemic approach to collecting reliable and accurate data and being the trusted advisor to our customers.

Over the past 40 years, ADS has sharpened its expertise with more than 5,000 flow monitoring projects in over 4 billion linear feet of pipe. ADS is a trusted long-term network flow monitoring partner with more authorities and communities than any other firm in the USA.

At the core of providing these professional services is the experience of the Midwest Region’s Field and Project teams. This project will be led by Andrew Rood of our Troy, MI office. Mr. Rood has more than 15 years of flow monitoring experience and has managed many projects throughout Michigan and Ohio. Under Mr. Rood’s direction is a team of service providers with an outstanding track record

for providing quality services. Equipped with four local crews, and a Field Manager with over 20 years’ experience, the Troy office has the critical pieces needed to ensure that the required meter maintenance will be completed in a safe, efficient, and timely manner. The ADS project work plan will include a kickoff meeting to clearly define roles, responsibilities, project timing, schedule, and communication channels. By selecting ADS to be your flow service provider you may expect regular communication, timely maintenance, reporting to meet regulatory and operational needs, and progress updates.

ADS is well known for providing quality flow monitoring hardware, software, and services. However; our experience in meter maintenance we present to the MCPWO goes well beyond ADS products. ADS has a vast experience maintaining metering equipment from all the major manufacturers, (Hach, Telog, Isco, and Nivus), as well as level sensors and primary devices. Mr. Rood is personally responsible for maintaining hardware for a network of 30+ flumes and a variety of other non-ADS hardware. Additionally, several of the other Midwest ADS offices specialize in non-ADS hardware

ADS has provided flow monitoring services across the Midwest and across the USA including on a variety of monitoring equipment including, ISCO, Hach, Nivus, Telog, Milltronics, and Accusonic. ADS has available resources to mobilize quickly and meet the project timing requirements from our Troy, Michigan office location.



maintenance and services, often as requested directly from the collect system owner or utility. Our Cincinnati OH / Erlanger, KY office is proficient with ISCO, Nivus, Nile, Vega and APG devices that are transmitted via the Ayyeka wavelet data logger; our St. Louis office is proficient in Nivus, Hach, and ISCO, products; our Indianapolis office specializes in Accusonic installations and service; and our Michigan office is accustomed to working with Milltronics, Telog, and Nivus products. At ADS, we understand that there are many potential solutions to meet our customer’s needs. Each program decision is made with our clients as to what is the best value solution for their specific objectives and challenges.



ADS employs a comprehensive Quality Assurance/Quality Control (QA/QC) Program which is unmatched in the industry and provides a consistent approach to quality to ensure that all products and services meet project requirements. The ADS ISO 9001:2015 Certified Quality Management System provides assurance of consistently high performance. ADS is unique among its competitors in that it maintains ISO 9001 certification for not only design and

manufacturing of flow monitors, but also for all of the field services related to flow monitoring services and maintenance. Project Managers follow well-documented procedures and workflows often created in direct collaboration with our customers. By following and executing a repeatable project management plan, the team can deliver to its client’s consistent, repeatable and desirable results. There is also adequate flexibility within the plan to customize the activities to meet specific project goals and objectives. By applying ISO 9001 principles to all aspects of the flow monitoring process, ADS ensures clients of consistently high quality throughout the project.

With an experienced and dedicated local team and over 18 additional field crews available throughout the Midwest, ADS brings unparalleled knowledge and resources to assist with MCPWO’s metering needs. ADS looks forward to working with you and exceeding program expectations while becoming MCPWO’s trusted advisor for flow monitoring services, data, and collection system analytics.

Sincerely,

Dean S. George, PMP
Region Manager

Cc:
Chris Skehan, ADS Business Development Manager
Andrew Rood, ADS Project Manager



2. COMPANY'S EXPERIENCE AND QUALIFICATIONS

Company Background

ADS is the largest supplier of flow monitoring services in the United States with more than 280 employees nationwide. ADS LLC, with its operating divisions, ADS Environmental Services and Accusonic Technologies, is owned by IDEX Corporation. IDEX is an applied solutions company specializing in water and wastewater fluid and metering technologies, health and science technologies, dispensing equipment, fire safety, and other diversified products and services. IDEX Corporation is a publicly traded company on the New York Stock Exchange; operating facilities across five continents with more than 5,000 dedicated employees worldwide.



ADS is headquartered in Huntsville, Alabama and was founded in 1975 by Peter Petroff. After a career with NASA as a lunar guidance system engineer, Mr. Petroff applied his space technology expertise to measuring municipal collection system flows. The result was the introduction of Doppler flow monitoring, which Petroff grew into a thriving business. In that decade, ADS flow-monitoring networks had been established in a number of cities throughout the United States. In the 1970s, ADS invented the permanent flow monitor concept for measuring sewage flow in collection systems. Today, thousands of ADS monitoring locations throughout the world measure billions of gallons of flow each day for clients managing small to large networks. ADS flow monitoring systems offer a full line of flow monitoring equipment and data analysis tools.

What makes ADS Different?

It begins with safety, innovation, and very importantly documentation. ADS believes in an ISO and Quality Assurance/Quality Control (QA/QC) Program, which is unmatched in the industry and provides a consistent approach to ensure that all products and deliverables meet project requirements. Another specific advantage of ADS lies in the experience of the personnel to be assigned to the project, such as our technical field staff, analyst, and project managers. Our field personnel are truly experts in meter maintenance related projects and tasks. Many of our crew leaders will hold decades of experience in performing this type of work for our customers. ADS Project Managers and Field Managers provide direct assurance to our customers that objectives and deadlines are being met in a timely and professional manner, and often are seen as an extension of the utility staff often having worked on projects for many consecutive years.

Expert field knowledge, thorough knowledge on the equipment serviced, experienced staff, and a responsive and professional team will be vital in this project. ADS has all of these.



Project Experience

ADS Environmental Services operates and maintains flow monitoring networks around the country and can service nearly all makes and models. As a flow service provider, we will use the right mix of available technology and products to best serve the customer. An additional benefit to MCPWO is ADS' extensive experience analyzing and providing QA/QC services for collected flow data. While this RFP does not require data review, we know we will be involved in regularly scheduled data meetings to discuss field activities, and our team will make it our goal to be a trusted partner to MCPWO. To complement our experienced team and unique qualifications, we would like to highlight the following project references for this project.



Oakland County WRC, Oakland County Michigan



Since 1991 ADS has provided and continues to provide comprehensive field services and meter maintenance for OCWRC for both permanent and temporary flow monitoring programs for both ADS and non-ADS hardware. The work encompasses over 185 area/velocity flow meters that provide data for a hydraulic model, capacity analysis, and agency billing. To compliment the area/velocity meters, ADS has also assisted with the service and maintenance on nearly 39 Flumes, 28 rain gauges, HydroRanger ultrasonic, and Telog "RU" series loggers with various level or flow sensors depending on the application.

ADS has become a trusted advisor to the County, and the data provided by ADS is utilized by multiple engineering firms, GLWA, and local satellite communities for billing, balancing, operations and maintenance, and modelling. Our data and capacity to provide maintenance on these devices is critical to the overall success of these projects, and it is common for ADS to participate in data meetings with nearly all of the users of the collected data.

ADS is currently working on providing a new web-based platform for the County, ADS PRISM, that will allow complete visibility and access and analysis tools on the data collected from both ADS and non-ADS devices.

- Annual Contract Value: \$950,000
- Scope: 100 meters, > 96% uptime.
- Equipment: Triton+ Flow Meters, Accusonic, Primary Device (Flumes), Level Loggers, Rain Gauges
- Reporting: Monthly and Data for Mass Balancing
- Reference: Carrie Cox // (248) 470-1314
- Address: One Public Works Drive, Waterford, MI 48328



Cincinnati, OH - MSD



For more than a decade, ADS has provided flow monitoring maintenance, Operation, and Analysis on Approximately 150 sanitary and combined system monitoring devices for Cincinnati MSD. Current equipment includes predominantly ISCO 2150s but also includes ADS Triton, NIVUS, HACH, Ayyeka and historically Telog. ADS also provides data analysis services and data QAQC on many of these devices. Much of this equipment is tied directly into the real-time Cincinnati SCADA system and work orders are issued on a daily basis to ensure problems are resolved for high-priority locations.

Annual Contract Value: \$1.25M
Scope: 150 meters, > 96% uptime.
Equipment: ADS Triton+, ISCO, HACH, Ayyeka, Telog, Accusonic, NIVUS
Reporting: Monthly
Reference: John Barton // (513) 224-1340 // John.Barton@cincinnati-oh.gov
Address: 1600 Gest Street, Cincinnati, OH 45204

St. Louis, MO - MSD

The Metropolitan St. Louis Sewer District has been conducting pro-active collection system work, in both their combined and separated sewer systems, for more than ten years. ADS Environmental Services has been an important partner in these investigations over the years, especially in the areas of model calibration (i.e., flow and rainfall monitoring), source detection, condition assessment, and private property I&I assessments. At various times from 2008-2011 the ADS St. Louis staff assisted the District in transitioning their yearly flow monitoring program from a contracted service (2003-2008) to an in-house MSD service (2008-2016). This yearly program was subsequently transitioned back to a contracted service in late 2016. ADS was awarded this contract due to our servicing many of the installed models of meters owned by MSD. The work has involved installations, confirmations, maintenance, repair, and data analysis for over 300 collection systems meter locations. Additionally, ADS provides final QA/QC'd and edited data to the District for reporting purposes. Lastly, the District is using the ADS PRISM cloud-based data platform for daily access to much of the raw data, along with real-time alarming from this system for their level only meters.



Annual Contract Value: \$2.5M
Scope: 300 meters, > 97% uptime.
Equipment: ADS Triton+ Flow Meters, ADS ECHO Meters, ADS Rain Alert Rain Gauges, ISCO, Telog
Reporting: Monthly
Reference: James Kauffman // (314) 335-2052 // rkauffman@stlmsd.com
Address: 2350 Market Street, St. Louis, MO 63103



Indianapolis, IN – Citizens Energy Group

ADS has been assisting the City of Indianapolis with their Long-Term Flow Monitoring Network since 1988. We provide equipment maintenance, analysis, support, and reporting services. The project includes 60 Flow Meters and 21 Rain Gauges which are used for capacity studies, RDII Analysis, Billing Calculations, CSO Alarming, Model Calibration and System Maintenance. The City utilizes the ADS Online Platform to access their data and for System Alarming. They also receive annual RDII from Pat Stevens through Slicer analysis. ADS has two ongoing monitoring projects in Indianapolis, with 60 collection system meters, 110 CSO outfall meters, and 20 rain gauges. We have also been contracted to provide temporary monitoring services on special projects ranging from 50 to 75 flow meters used to support a hydraulic model.

Annual Contract Value: \$1M
Scope: 170 meters, > 97% uptime.
Equipment: ADS Triton+ Flow Meters, ADS ECHO Meters, Rain Alert Rain Gauges
Reporting: Monthly
Reference: Derek Sutton // (317) 927-4322 // DSutton@CitizensEnergyGroup.com
Address: 2020 N. Meridian Street, Indianapolis, IN 46202

Wayne County, MI – Applied Science, Inc.

For nearly 6 years, ADS has provided flow monitoring maintenance and field services for Wayne County, MI on approximately 45 area/velocity meter locations, with are mostly ADS Triton and Triton+ systems. ADS, contracted under Applied Sciences, Inc also provides data analysis, data QAQC, and finalized data submission via monthly reports. The largest portion of the project is to assist with the data collection and maintenance on area/velocity meters within the Rouge Valley Sewer Disposal System (RVSDS).



Contract Value: \$250,000/year
Scope: 45 meters, > 97% uptime.
Equipment: ADS Triton+ Flow Meters; Rain Alert III Rain Gauges
Reporting: Monthly Data Submission and Meter Alarming
Reference: Tim Minor // (313) 215-4777 // tim.minor@asi-detroit.com
Address: 300 River Place Dr. Suite 5400, Detroit, MI 48207



3. KEY PERSONNEL

The ADS team designated for the MCPWO Meter Maintenance Program include staff is highly experienced and knowledgeable with collection system monitoring and service. The following information has been organized based upon MCPWO's RFQ requirements for review and resumes for staff have been provided. Should additional details about any of our staff be required, we are happy to supplement those details upon request.

<< Key individual resumes are attached in the following pages>>

Andrew Rood Project Manager



Education

B.S. Chemical Engineering, Michigan Technological University, Houghton, MI
2003

Years of Experience: 15

With ADS: 15

Mr. Rood has been with ADS Environmental Services since 2004, and currently serves as Project Manager based out of the Troy, Michigan office. In this role, he is responsible for the effective planning, delegating, coordinating, staffing and management of projects throughout the Michigan and Ohio areas of the Midwest Region. Success in this role is achieved through effective communication and coordination with all local office personnel, engineers and Business Development Managers. Mr. Rood is responsible for several long-term flow monitoring networks in and around the Metro Detroit Metropolitan area.

Related Professional Experience

ADS Environmental Services – Field Supervisor

Mr. Rood worked as Field Supervisor for ADS for seven years. In this role, Mr. Rood worked on projects involving all major product lines including long term flow monitoring service and data processing, temporary flow monitoring studies, I/I analysis, limited sewer system evaluation and survey, and specialized collection system analysis.

ADS Environmental Services – Data Analyst

Mr. Rood transitioned from Field Supervisor to a Data Analyst where he received training in the theory and operation of ADS's software, field operational methods, and hydraulics. As Data Analyst he was responsible for analysis of flow data, mapping of sewer systems, reviewing schematics and WWTP records, client support, and overall QA/QC of project deliverables.

Christopher A. Skehan, M.S.

Business Development Manager



Education

B.S. Environmental Management,
Indiana University 2005 &
M.S. Geographical Information
Sciences, Indiana University 2010

Professional

Registrations/Certifications
GISc and Cartography

Memberships

Water Environment Federation (WEF)
IWEA Collections Committee

Years of Experience: 17

With ADS: 15

Mr. Skehan has over 15 years of experience in water and wastewater projects. He is highly skilled in GIS and GPS applications, Web-Based Data Delivery, and Complex Data Solutions. He has extensive knowledge with flow monitoring equipment and equipment which interacts with SCADA applications, long term flow monitoring networks, large diameter flow monitoring applications, inflow and infiltration applications, and capacity analysis.

Related Professional Experience

Chris has experience as a Project Engineering Assistant through ADS Environmental and also managed data management aspects for some of the largest Mid-West projects for ADS. This included the City of Indianapolis (IN), the City of Fort Wayne (IN), West Lafayette (IN), the City of Naperville (IL), and many other high-profile wastewater projects. His knowledge also extends into the potable water market, with a high-level understanding of non-revenue water loss control technology and solutions. Chris is currently responsible for managing all new Business Development for ADS in the states of Illinois, Minnesota, Wisconsin, Michigan, Indiana, Ohio and Kentucky. This includes the development of strategic solutions for clients who require technical applications and approaches in the water and wastewater industry.

Publications and Presentations

- 2011 WEFTEC in Los Angeles, CA – topics on Flow Monitoring Optimization and GIS
- 2012 Indiana GIS Conference in Indianapolis, IN – topics on Facility Location Models
- WATERCON 2013 in Springfield, IL – topics on Sewer Sociology

Chris has been a member of the geospatial community since 2001, and the flow monitoring community since 2005. Chris obtained professional publication regarding spatial optimization for wastewater monitoring technologies in 2010. His extensive knowledge and understanding of water and wastewater systems are directed towards the development of next-generation tools and services future projects and applications.

Dean S. George, PMP

Regional Manager



Education

B.S. Civil Engineering, Clarkson University, Potsdam, NY 1996

Professional

Registrations/Certifications

Project Management Professional

Memberships

Water Environment Federation (WEF)

American Society of Sewer Sociologists

Years of Experience: 23

With ADS: 23

Mr. George has been with ADS Environmental Services for over 22 years, and currently serves as Region Manager for the Midwest Region. In this role, he is responsible for the effective planning, delegating, coordinating, staffing and management of Midwest Region activities. He has direct responsibility for the safety, quality, and customer satisfaction for work performed in the region. Success in this role is achieved through effective communication and coordination with Project Managers, Engineers and Business Development Managers.

Related Professional Experience

ADS Environmental Services – Senior Project Manager / Project Manager

Mr. George worked as Senior Project Manager for ADS for over 15 years. In this role, Mr. George managed projects involving all major product lines including long term flow monitoring service and data processing, temporary flow monitoring studies, I/I analysis, limited sewer system evaluation and survey, and specialized collection system analysis. Duties included contract negotiations, project scheduling, revenue and cost projections, progress reporting, supervising regional project, field and office team members, and personnel development. During his time as Project Manager, Mr. George was responsible for some of the largest individual projects with ADS, with networks exceeding 150 flow monitors.

ADS Environmental Services – Field Manager

Mr. George worked as Field Manager where he directly managed the day to day operations of up to four field crews. His responsibilities included field operations quality assurance and quality control, field and safety training, productivity tracking, field personnel development, and equipment and resource management.

ADS Environmental Services – Data Analyst

Mr. George began his career with ADS as a Data Analyst where he received training in the theory and operation of ADS's software, field operational methods, and hydraulics. As Data Analyst he was responsible for analysis of flow data, mapping of sewer systems, reviewing schematics and WWTP records, client support, and overall QA/QC of project deliverables.

Eric Hehmann

Project Manager Support



Education

B.S. Wildlife and Environmental Sciences, Purdue University 1999

Professional

Registrations/Certifications

PACP/MACP NASSCO

Memberships

ADS Safety Committee

ADS R&D Committee

Years of Experience: 20

With ADS: 19

Mr. Hehmann has been with ADS Environmental Services for 19 years as an Engineering Assistant, Field Manager and currently as a Project Manager. Mr. Hehmann is based out of the Indianapolis, IN office and Orland Park, IL office where he is responsible for operations in Ohio, Indiana, Illinois and Wisconsin and provides assistance for projects in Michigan and Kentucky. These projects involve all major product lines including long term flow monitoring studies and data processing, temporary flow monitoring studies, I/I analysis and sewer evaluation and survey. Mr. Hehmann has been involved with new product development and beta testing. Eric Hehmann is also a regional safety coordinator for ADS.

Related Professional Experience

Since becoming Project Manager, Mr. Hehmann has managed several temporary and long-term flow monitoring projects. Major projects for Mr. Hehmann would include:

- Indianapolis, IN: Long-term flow monitor with and real-time CSO alarming
- Glenbard, IL: Long-term flow monitor network with direct SCADA interface
- Noblesville, IN: Long-term flow monitor network with web-based reporting
- Anderson, IN: Long-term CSO flow monitoring network with real-time alarming
- Minneapolis, MN: Temporary flow monitoring and web-based reporting
- Kokomo, IN: Long-term CSO flow monitoring network with real-time alarming
- Oshkosh, WI: Temporary flow monitoring
- Chicago, IL: Temporary flow monitoring for hydraulic modelling
- Lawrence, IN: Temporary flow monitoring and SSES
- Fort Wayne, IN: Flow Monitoring Support and CSO Reporting

Mr. Hehmann has also completed the Operation and Maintenance of Collections Systems Training Program from California State University, Sacramento, CA in 2002.

Timothy Calder, P.E.

Project Manager and Engineering Support



Education

B.S. in Civil Engineering, Montana State University 1986

Professional

Registrations/Certifications
PACP/MACP NASSCO

Memberships

WEF, Ohio WEA, KY/TN WPC

Years of Experience: 30

With ADS: 30

Mr. Calder has over 30 years of experience working with our Erlanger, KY based wastewater group where he currently serves as Senior Project Manager. Mr. Calder's responsibilities include managerial duties, engineering, operations, safety assessment and project supervision. He has been involved with numerous sewer collection system studies that include all phases of field work, engineering and project management. He is experienced in flow monitoring, I/I analysis, flow isolation, manhole inspection, smoke test inspection, CCTV inspection, rehabilitation analysis and facilities inspection. Mr. Calder has developed techniques employed by ADS on pump station analysis projects, web-based interfaces for remote flow metering stations and I/I source reporting.

Related Professional Experience

Cincinnati, Ohio – Flow Monitoring – 2006-2019: Senior Project Manager of on-going flow monitoring project for the Cincinnati Metropolitan Sewer District. Project consists of approximately 75 permanent flow monitoring locations, 100 CIP/Engineering temporary flow meter locations, and 23 permanent rain gauge installations. Key project points included submittal of high-quality field data to MDS and their consultants. Data is being used for model calibration, CIP projects and I/I analysis. **Multiple flow meter technologies are used on the project.**

Lexington, KY – Flow Monitoring – 2009-2019: Project manager of recently completed 6-month flow and rainfall monitoring project for the Lexington Fayette Urban County Government. Key project points included specific requirements for submittal of high-quality field data to LFUCG's Engineering Consultant and a Web based interface of raw meter data that updated daily. A total of 110 flow meter installations, 23 rain gauge installations and 53 ground water gauges were included in the project. Multiple flow meter types were used on the project including ADS Flow Sharks and HACH-Sigma Model 910 meters.

Dayton, OH – Flow Monitoring – 2012-2013: Senior Project Manager for a flow monitoring network in Dayton, OH to support a Real-Time Decision Support System. Project consisted of approximately 37 flow monitors and 4 rain gauges.

Frankfort Kentucky – SSES – 2010-2011: Project manager for SSES project consisting of smoke test inspection, manhole inspection and CCTV inspection of the Willowcrest Pump Station collection system, using PACP and MACP program and coding.

Piqua, Ohio – Flow Metering – 2011: Project manager for flow metering program consisting of 16 flow meters installed for 3 months in the sanitary sewer system. Data used to perform Inflow/Infiltration analysis with recommendations of follow-up SSES program.

Thomas Pientak

Field Manager



Education:
University of Michigan 1988-1992
Years of Experience: 20
With ADS: 20

Mr. Pientak has been with ADS Environmental Services for over 20 years, and currently serves as Field Manager for the Troy, Michigan office. In this role, he is responsible for the resource management and training requirements for field operation taking place throughout Michigan. He has direct responsibility for safety, quality, and ISO standards, supported with certification from the OSHA 10-hour Construction Safety and Health. All field personnel report directly to Mr. Pientak. He is also a regional certified trainer for safety and flow monitoring services.

Related Professional Experience

ADS Environmental Services – Field Representative

Mr. Pientak worked as Field Representative for ADS for several years. In this role, he became highly skilled in all aspects of ADS field operations. Mr. Pientak is particularly skilled in flow monitoring, flow meter installation, and ADS equipment repair.

Notable Long Term and Temporary Flow Monitoring studies include:

- Oakland County, MI: 186 long-term and temporary flow monitors
- Wayne County, MI: 45 long-term flow monitors
- City of Livonia, MI: Long-term monitoring network
- NEORSD, OH – CVI: Temporary flow study, 157 flow monitors
- NEORSD, HHI – HHI: Temporary flow study, 150 flow monitors
- Erie County, OH: Long-term flow monitoring network

ADS FIELD PERSONNEL



JIMMIE HINTON

Education: United States Army Quartermaster School

Years of Experience: 6

With ADS: 6



AL MIRACLE

Education: B.S. University of Phoenix, 2010

Years of Experience: 3

With ADS: 3



EDWARD O'LEARY

Education: B.S. Oakland University, 2007

Years of Experience: 2

With ADS: 2



ZACHARY WENINGER

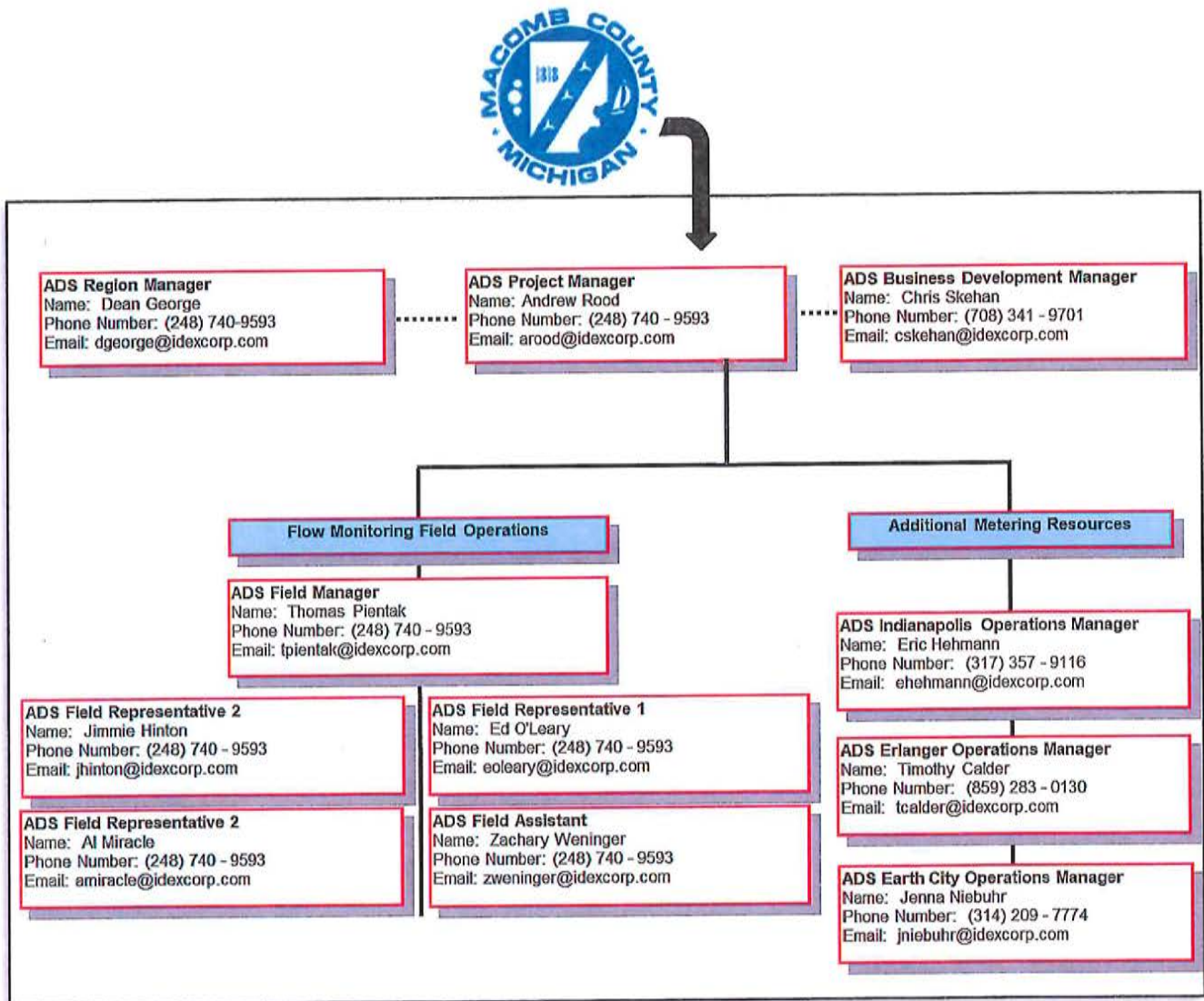
Education: HS Diploma Rochester High School, 2011

Years of Experience: 5

With ADS: 5



4. ORGANIZATIONAL CHART



Above is the ADS Organization Chart that highlights the staff and resources who will be assigned to this project. The Work will be managed by Andrew Rood and it's expected that Dean George, Regional Manager, will assist with overseeing the details of this work and the submitted work plan are being completed in a timely and professional manner. Chris Skehan will serve as the Business Development Manager for this project and will be available to directly assist with any current or future project development objectives (contracts, quotes, and customer support) between ADS and the County.



5. WORK PLAN

Project Objectives:

Outlined in the scope of services, below are the tasks that ADS will execute during the meter maintenance for the Macomb Interceptor Drain Drainage District (MIDD) of Macomb County Public Works Office (MCPWO). The objective of this project is to provide MIDD with maintenance of level sensors, pump station magnetic flow meters (magmeters), and other monitoring devices within the MIDD, 8 1/2 Mile Relief Drain Drainage District (8MRDDD), Martin Sanitary Diversion Drainage District (MSDDD), South East Macomb County Wastewater Disposal System (SEMCWDS) and several other small districts.

ADS will perform monthly, annual and on-demand maintenance for MCPWO for a duration of 36 months consisting of 90 devices. MCPWO will collect and review the monitoring data continuously. Communication to ADS will primarily be through MCPWO's work order system that uses NEXGEN software and by discussion during monthly review meetings. These methods of communication may be supplemented with emails, phone calls and on-site visits.

Project Responsibilities:

The following are the responsibilities that ADS have been tasked with to maintain a properly functioning metering network:

- Monthly and annual site visits for all metering locations outlined in Table 1 of Reference Document 1;
- Data conforms to manual confirmations of depth and velocity (when applicable) at each site;
- On-demand site visits communicated through MCPWO's frequent review of data;
- Timely response to any action items identified by MCPWO;
- Proper use of the MCPWO Sewer Entry and Shutdown Request (SESR) form for any work that requires Lock-Out Tag-Out (LOTO) protocol at pump stations and control gates;
- Follow traffic control guidelines as described in the Michigan Manual for Uniform Traffic Control Devices and the Michigan Department of Transportation;
- Monthly data review meetings to discuss any issues, concerns or additional action items



Personnel & Contact Information:

MCPWO Point of Contact: Steve Rozycki

Office: (586) 469-5325
Cell: (586) 696-0235
steve.rozycki@macombgov.org

Dean S. George, PMP, Regional Manager

Office: (248) 740-9593
Cell: (248) 249-8612
Email: dgeorge@idexcorp.com

Dean will serve as the Regional Manager. Mr. George is responsible for the effective planning, delegating, coordinating, staffing and management of Midwest Region activities.

Chris Skehan, Business Development Manager

Office: (312) 280-1031
Cell: (708) 341-9701
Email: cskehan@idexcorp.com

Chris will serve as the primary point of contact between the customer and the ADS project team regarding contract specifics.

Andrew Rood, Project Manager

Office: (248) 740-9593
Cell: (248) 249-8670
Email: arood@idexcorp.com

Andrew will serve as the primary point of contact between the customer and the ADS Project team regarding all field activities.

Thomas Pientak, Field Manager

Office: (248) 740-9593
Cell: (248) 249-7009
Email: tpientak@idexcorp.com

Thomas is responsible for communicating directly with the ADS field personnel regarding monthly and annual maintenance activities, in addition to any on-demand action items communicated by MCPWO.



Macomb County Public Works Office Responsibilities:

- Provide monitoring locations (*we have these*)
- Provide an updated flow schematic for all monitoring locations.
- Site reports for existing monitoring locations.
- Provide any information concerning safety issue in the study area.
- Maintain inventory of spare equipment and replacement parts.
- Provide most recent visit dates for each monitoring location.

Task 1.0 – Project Kick-Off Meeting

The purpose of the project kick-off meeting is to introduce the members of the ADS and MCPWO teams. Also, any unanswered questions from both parties can be addressed and resolved. This would include the discussion of any product manuals and training required for the metering technologies.

Task 2.0 – Flow Metering Maintenance

ADS will maintain the network of level sensors, pump station magnetic flow meters and other monitoring devices throughout the MIDD, 8MRDDD, MSDDD, SEMCWDS, and several smaller districts. MPCWO will continuously monitor data to determine whether additional corrective site visits are required outside of the monthly and annual site visits. ADS will visit sites that require monthly site visits starting the second week of each month.

Locations that require annual visits will be visited based off of the last annual visit (dates provided by MCPWO). MCPWO will collect information from the devices and analyze whether on-demand visits are required. MCPWO will generate work orders utilizing NEXGEN software that will be communicated to ADS. Additional details to our work plan include:

Flow Monitoring Equipment Operation and Maintenance

The flow monitoring equipment will consist of various level sensors, magmeters, and A/V meter technologies. Monthly and annual checklists will be performed at each location and using the check list provided by MCPWO in **Reference Document 1 – Table 1**. It is assumed and discussed in Reference Document 2 that the NEXGEN Asset Management system will be utilized for all maintenance related activities. Having utilized several internal and external 3rd party work order and asset management systems within ADS, our team is confident that with training and continuous communication and improving, the NEXGEN system will provide a stable and repeatable work environment for maintenance task and recording keeping.

If selected, ADS recommends the use of in-person meetings between ADS and MCPWO to “digitize” the Reference Document 1 – Table 1 which outlines the Monitoring Network Maintenance Activities and Frequencies, Notes, and provides a checklist and means of data entry for work orders and maintenance. Based on our experience with other asset management and work order systems it is strongly



recommend that the contractor (ADS) and Owner (MCPWO) work together to customize these inspection reports, making them appropriate for ADS field personnel and for MCPWO staff analysis and reporting.

Frequency	Activities	Notes
Every visit	Provide traffic control (if needed)	-
	Provide appropriate site safety measures	-
	Perform work order scans identified	-
	Record all readings upon site arrival (flow rate, level, velocity, temperature, etc.)	-
	Record all readings upon site departure (flow rate, level, velocity, temperature, etc.)	-
	Record as-found calibration and as-left calibration	-
	Log maintenance activities using NEXGEN	-
	Append a service report giving all readings, calibration records, noted issues and site conditions and needs for immediate or future action to the work orders in NEXGEN	-
	Work order updates on work completed	-
	Provide routine maintenance schedule	-
Perform manufacturer's recommended preventive maintenance	Physical inspection of the facilities	-
	Perform manufacturer's recommended preventive maintenance	-
	Correct any minor issues	-
	Check for vandalism	-
	Check air quality	-
	Check power feed and status of power panel and circuit breakers	-
	Check function of intrusion alarm on cabinet	-
	Check function of intrusion alarm on hatch	-
	Check high and low level alarms	-
	Check test of power alarm	-
Provide site housekeeping and outside maintenance (cut grass, weeds, remove debris, and remove snow if needed)	-	
Inspect cables for damage (top slide)	-	
Provide maintenance reports including work order logs	-	
Provide meter status report	-	
Participate in a data review meeting with MCPWO and its representatives	-	

ADS is committed to making the NEXGEN system a success, and we believe the first step will be to work directly with MCPWO to organize and digitize the Maintenance Activities Frequency Task List.

ADS is excited about the NEXGEN system, and in discussing our API capabilities for linking meter data inside the ADS system back to the NEXGEN or other MCPWO systems.

ADS has the technical knowledge, mobile workstations, tools, and staff to complete the various maintenance and service tasks as outlined in the RFM, and with respect to the outlined device service interval. Our team is also excited about future conversations and developments that may arise between the NEXGEN System and ADS Hosted Systems that provide a robust and fully functional API environment for our customers and improvements in data analysis tools that may provide additional value to MCPWO staff.

Equipment Replacement or Critical Repairs

If any location requires equipment replacement, it is our understanding that some spare equipment will be provided for replacement by MCPWO. If the part is not readily available, the ADS Project Manager will work closely with MCPWO staff and those local vendors and manufacturing reps to ensure costs are outlined, discussed, and approved for repairs or replacement beyond the extent of regular maintenance tasks.



Software and Field Training

ADS will reach out to equipment manufacturers for any additional required training for operation and testing of each device.

Data Review Meetings

ADS will attend and assist to schedule a monthly data review meeting. It's been outlined that MCPWO would present the data received from ADS and that any issues, concerns and/or action items would be discussed. To facilitate useful conversation, ADS will provide data from any locally collected sites one week prior to the meeting.

Data Storage

For any device data collected by our team, ADS will store said data for a period of one-year from its data of collection and provide that to MCPWO as part of the routine tasks. This data can be provided to MCPWO upon request or as needed within a reasonable frequency of demand.

Additional Sites

Should MCPWO add any monitoring devices to their meter network, ADS will provide maintenance service on any said new devices based on its schedule of rates by device type.

Work Orders

As outlined, MCPWO will communicate routine preventive and corrective maintenance and on-demand maintenance items via its work order system that uses NEXGEN Asset Management software. ADS will respond to work orders and input information regarding each visit into the NEXGEN software. The ADS team has reviewed and understands the intentions provided in Reference Document 2.

Task 3.0 – On Demand Maintenance

ADS will have a crew readily available to quickly respond to operation and maintenance issues that arise for any On-Demand maintenance. ADS will provide this service crew should issues identified by MCPWO constitute a request for on-demand maintenance. As identified in the RFP, on-demand maintenance is maintenance that is called for outside of the routine cycle for the monitoring device.

If MCPWO requires as-needed services not covered by the "On-Demand Maintenance" or "Adding Sites", it is assumed that MCPWO will provide ADS with a statement of the scope of these services and that ADS will respond either with a statement of their understanding of the scope and a cost estimate based on the selected firm schedule of labor rates and materials or an indication discuss or negotiate a reasonable solution and work plan for more complex or irregular "As-needed Services".



Site Safety:

ADS will prioritize site safety by performing the following:

1. By using the MCPWO Sewer Entry and Shutdown Request (SESR) form (Reference Document 3) to coordinate any site work that requires specific conditions at any operable location such as pump stations and control gates. The SESR will be submitted at least three business days in advance of the planned work. All other routine confined space entries for meter maintenance, not requiring facility shutdown or Lock-Out Tag-Out, will be logged through a schedule on NEXGEN.
2. ADS will follow traffic control guidelines as described in the Michigan Manual for Uniform Traffic Control Devices and the Michigan Department of Transportation (MDOT) traffic control typical drawings. Should these sources disagree, the more stringent guideline will be followed.
3. ADS will follow the Occupational Safety and Health Administration (OSHA) confined space entry rules as detailed in the 29 CFR 1910.146 when making a confined space entry. Our team performs confined space entry work on a daily basis, and our internal safety guidelines were mirrored after such guidelines local and federal rules.
4. ADS will follow all other applicable local, county, state or federal safety regulations.
5. If required, ADS will make available our comprehensive safety manual and traffic guidelines. ADS safety procedures and equipment will often exceed OSHA confined space requirements. In fact, the ADS Safety Manual has been used by some municipalities as a component of their internal safety programs.



6. ASSUMPTIONS

MCPWO has requested any assumptions that we would like to include as part of this RFP. Please note the following:

1. ADS acknowledges the responses in Addendum #1, and understands that spare metering hardware (sensors, meter components, circuit boards, etc) will be maintained by MCPWO.
2. Table 3: Cost Information requires budgetary prices for on-demand services. It is assumed that these prices are budgetary in nature and specific cost estimates will be developed per the scope of work required. These budgetary numbers assume the potential for multiple visits for each occurrence.
3. If awarded this project, ADS would ask to reserve the right to negotiate the Indemnification Provision in the agreement to best suite both parties.



7. LITIGATION HISTORY

ADS has not been involved in any litigations in the past 5 years.

FIRST AMENDMENT TO REAL ESTATE PURCHASE AGREEMENT

This First Amendment to the Real Estate Purchase Agreement ("Amendment") is effective as of **November 18, 2019**, by and between **Macomb Interceptor Drain Drainage District**, as Seller ("MIDDD"), and **Mansour Companies LLC**, a Michigan limited liability company ("Purchaser"). (Sometimes the Purchaser and the MIDDD are singularly referred to as each a "Party" and collectively the "Parties" in this Amendment.)

RECITALS:

- A. MIDDD and Purchaser entered into a Real Estate Purchase Agreement dated August 20, 2019 (the "Agreement").
- B. The MIDDD and Purchaser have now agreed to make certain modifications to certain of the terms and provisions of the Agreement and to amend it, on the terms and conditions herein provided.

AMENDMENT:

NOW, THEREFORE, in consideration of the mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, MIDDD and Purchaser hereby agree to amend the Agreement as follows:


1. The Purchaser's Notice of Termination of Real Estate Purchase Agreement dated November 18, 2019 is hereby rescinded, and the Agreement is reinstated. The Purchaser's Deposit shall remain in escrow in accordance with the Escrow Agreement and this Agreement.
2. The Purchaser's **Due Diligence Period** stated in paragraph 6 of this Agreement shall be **reinstated and extended for a period of ninety (90) days from the effective date of this Amendment, to allow Purchaser additional time to complete its Due Diligence.**
3. **All other terms of the Agreement shall remain in full force and effect** and are incorporated in this Amendment. All terms capitalized in this Amendment shall be interpreted as defined in this Agreement. To the extent any terms of the Agreement conflict with the terms of this Amendment, this Amendment shall control.
4. This Amendment may be executed in counterparts by the parties hereto, each of which, when so executed and delivered, shall be an original, but all counterparts shall together constitute one instrument.
5. This Amendment and the Agreement cannot be modified in any manner other than by written modification executed by MIDDD and Purchaser.
6. This Amendment is binding upon and inures to the benefit of MIDDD and Purchaser and their respective successors and assigns.

7. MIDD and Purchaser represent and warrant to each other respectively that they have the requisite power and authority to enter into this Amendment; that all necessary and appropriate approvals, authorizations and other steps have been taken to effect the legality of this Amendment; that the signatories executing this Amendment on behalf of MIDD and Purchaser have been duly authorized and empowered to execute this Amendment on behalf of MIDD and Purchaser, respectively; and that this Amendment is valid and shall be binding upon and enforceable against MIDD and Purchaser and their respective successors and assigns and shall inure to the benefit of MIDD and Purchaser and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have executed this Amendment as of the date stated in the first paragraph above.

Purchaser:

Mansour Companies LLC,
a Michigan limited liability company

By: 
Clint Mansour
Its: Manager

MIDD:

Macomb Interceptor Drain Drainage District
a Michigan limited liability company

By: 
Candice S. Miller
Its: Chairperson

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance		
Macomb Interceptor Drain	Chapter 20 Chesterfield - 7.1724% Clinton - 21.1566% Fraser - 4.0713% Harrison - 6.2117% Lenox - .9496% Macomb - 14.1023% New Haven - .8184% Shelby - 9.9387% Sterling Heights - 31.1032% Utica - 1.6497% Washington - 2.8262%	Astorino Astorino Astorino Astorino Astorino Astorino Downing Baker Astorino Astorino Astorino Astorino Baker Baker Baker Astorino Manning Manning Manning Astorino Astorino Astorino Astorino	CH2M Hill Engineers, Inc.	\$ 11,297.75	Invoice #707997CH013 - 11.04.19	Odor & Corrosion Study	\$ 96,293.66		
			City of Mt. Clemens	\$ 13,136.94	Invoice #28001129 - 11.08.19	Sewage Bill November 2019			
			Clinton Township Treasurer	\$ 15,841.00	Invoice #19-529 - 09.30.19	Manhole Rehab - Garfield			
			Conway Shield	\$ 653.42	Invoice #0428330-IN - 09.12.18	CMC Rescue Pulley			
			Doetsch	\$ 415,423.30	Invoice #70988 - 10.31.19	Emergency Grouting - Segment 5			
			Doetsch	\$ 199,449.45	Invoice #71041 - 11.30.19	Emergency Grouting - Segment 5			
			FK Engineering Associates	\$ 36,589.29	Invoice #19-134-001 - 10.31.19	Segment 5 Engineering Design			
			Fishbeck, Thompson, Carr & Huber	\$ 3,804.80	Invoice #387126 - 11.11.19	GLWA Assistance through 11.01.19			
			Fishbeck, Thompson, Carr & Huber	\$ 4,781.00	Invoice #387140 - 11.11.19	Wastewater Master Plan			
			HESCO	\$ 4,584.00	Invoice #10580 - 11.11.19	Meter Maintenance			
			Hubbell, Roth & Clark, Inc.	\$ 3,067.99	Invoice #174448 - 11.08.19	RFP Assistance Segment 6			
			Hubbell, Roth & Clark, Inc.	\$ 2,892.20	Invoice #174659 - 11.14.19	SY-S-1 and SY-S-2 Meter Rehab			
			KHVPPF, PLC	\$ 1,180.50	Invoice #43216 - 11.5.19	Contract Development			
			KHVPPF, PLC	\$ 7,261.00	Invoice #43222 - 11.05.19	Legal Services - Contracts			
			KHVPPF, PLC	\$ 990.00	Invoice #43223 - 11.05.19	Legal Services - Giffels Webster			
			Macomb County Department of Roads	\$ 1,341.00	Invoice #301404 - 09.30.19	Fuel			
			Macomb County Treasurer	\$ 2,200.00	Invoice #19-528 - 10.31.19	New Scanner Reimbursement			
			Macomb County Treasurer	\$ 366,420.39	Invoice #AR190904 - 09.30.19	Personnel Reimbursement 3rd Quarter			
			Macomb County Treasurer	\$ 9,578.18	Invoice #AR190904 - 09.30.19	Operating Reimbursement 3rd Quarter			
			METCO Consulting Services	\$ 16,761.98	Invoice #1717-08 - 11.05.19	Flow Control Services - Segment 5			
			Preferred Safe & Lock	\$ 634.26	Invoice #17477 - 10.02.19	Keys and Locks			
			Wade Trim	\$ 4,835.00	Invoice #2016149 - 11.01.19	As-Needed Services			
			Wade Trim	\$ 1,558.24	Invoice #2016445 - 12.03.19	As-Needed Services			
Biofilter Clintondale P.S.		Astorino Astorino Astorino Astorino Astorino Astorino Astorino Astorino Astorino Astorino	FCx Performance	\$ 827.50	Invoice #4469828 - 10.29.19	Onsite Service - Flow Meters			
			Colville Electric Co., LLC	\$ 2,416.44	Invoice #19-0847 - 09.30.19	Install Replacement Fuses			
			Colville Electric Co., LLC	\$ 1,341.12	Invoice #19-0655 - 09.30.19	Emergency Stop Button Wiring - SCADA			
			DTE Energy	\$ 18,624.19	Invoice #19-522 - 11.3.19	Monthly Electric - 10.02.19 - 11.03.19			
			De-Cal, Inc.	\$ 3,082.99	Invoice #WO191681 - 11.07.19	Install Hose Bib on 2nd Floor			
			Duperon Corporation	\$ 940.00	Invoice #21986 - 11.07.19	Tech Support			
			Premier Safety	\$ 700.00	Invoice #04169117 - 11.14.19	Coveralls/Safegrip Gloves			
			Rotor Electric	\$ 5,925.00	Invoice #2555 - 11.13.19	Air Release Valve Cold Weather Protection			

MACOMB INTERCEPTOR DRAIN 11/19/19 - 12/03/19

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
15 Mile Sinkhole		Baker	Aloia & Associates, P.C.	\$ 20,777.50	Invoice #19015 - 09.30.19	MIDD vs. Inland, Jay Dee, Metco	
		Downing	D&D All American Autosales	\$ 520.00	Invoice #0314 - 11.01.19	Shrink Wrap Air Scrubbing Unit	
		Baker	KHVPP, PLC	\$ 4,140.00	Invoice #43221 - 11.05.19	Sterling Heights vs. MIDD	
		Baker	KHVPP, PLC	\$ 25,958.65	Invoice #43224 - 11.05.19	Water Hammer Lawsuits	
Meters		Astorino	\$ 1,440.00	Invoice #141262 - 11.14.19	Consulting Services - MCMARS	\$ 2,672.50	
		Astorino	\$ 15,580.00	Invoice #161024-36 - 11.11.19	Meter Maintenance	\$ 73,530.00	
NGI		Astorino	\$ 1,197.15	Invoice #19-513 - 10.31.19	Monthly Electric - 10.01.19 - 10.30.19		
OMID		Downing	\$ 4,585,548.67	Invoice #SDS0006706 - 09.30.19	Sewer Disposal, September 2019		
SCADA		Astorino	\$ 21,157.43	Invoice #51519059 - 11.14.19	Development and Communications Study	\$ 33,946.86	
SEM/SD		Astorino	\$ 15,446.45	Invoice #387156 (FY19/FY20) - 11.01.19	Wastewater Master Plan through 11.01.19	\$ 141,427.00	
SRF	SRF 5624-10	Downing	\$ 27,840.00	Invoice #118963 - 05.20.19	Macomb Element and Manhole Rehabilitation	\$ 690,775.00	
	SRF 5624-10	Downing	\$ 1,150.00	Invoice #119929 - 09.21.19	Macomb Element and Manhole Rehabilitation	\$ 689,625.00	
	SRF 5624-10	Downing	\$ 7,222.50	Invoice #114346 Revised	Macomb Element and Manhole Rehabilitation	\$ 718,615.00	
	SRF 5624-10	Downing	\$ 575.00	Invoice #120092 - 10.29.19	Macomb Element and Manhole Rehabilitation	\$ 689,050.00	
Total				\$ 5,886,692.28			

Budget to Actual
MIDD
As of Nov 30, 2019 = 42%

DESCRIPTION	2020 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
GLWA-OMID	46,904,696		19,568,824	27,335,872	41.7%
OMID O&M	8,121,888		3,384,125	4,737,763	41.7%
Settlement	-		517,116	(517,116)	100.0%
Reimbursements	200,000		20,267	179,733	10.1%
PY Revenue-Fund Balance	9,610,000			9,610,000	0.0%
Washington Twp Meter Project	250,000			250,000	0.0%
Reimb-Local Communities	10,927,799		4,553,245	6,374,554	41.7%
Interest	300,000		133,613	166,387	44.5%
Total Revenue Accounts	76,314,383	-	28,177,189	48,137,194	36.9%
EXPENSE ACCOUNTS					
GLWA-OMID	46,904,696		19,568,824	27,335,872	41.7%
OMID O&M	8,121,888		3,384,125	4,737,763	41.7%
Public Works Wastewater Disposal Division	1,721,123		375,998	1,345,125	21.8%
Office Operations/Insurance	322,800		68,707	254,093	21.3%
SCADA	196,634		102,351	94,283	52.1%
Engineering					
GLWA Assistance	20,000		13,820	6,180	69.1%
Washington Township meter	500,000			500,000	0.0%
Data Review-Aquasight	240,000		200,000	40,000	83.3%
Contribution to Segment 5 Construction/Repairs	3,850,000			3,850,000	0.0%
15 Mile Interceptor Design East of Garfield (Seg 6)	1,000,000			1,000,000	0.0%
Seg 5 Engineering Design	1,000,000		27,568	972,432	2.8%
Drop Shaft Repairs(MA-S-2),CT-S-2, HR-S-2, ST-S-5,UT-S-1)	5,750,000		15,580	5,734,420	0.3%
System wide odor and corrosion study	350,000		141,085	208,915	40.3%
SY-S-1 & SY-S-2 Meter Rehab	1,200,000		12,094	1,187,907	1.0%
Meter Dye Dilution Testing/As needed	100,000			100,000	0.0%
Saw Grant	-		25,561	(25,561)	100.0%
McMARS Operations	50,000		5,760	44,240	11.5%
Aquasight Operations	50,000		50,000	-	100.0%
As Needed FTCH	50,000		5,598	44,402	11.2%
As Needed CH2M	70,000		20,394	49,606	29.1%
As needed FK Engineering	55,000		83,879	(28,879)	152.5%
As Needed Wade Trim	45,000		10,803	34,197	24.0%
As Needed Metco	70,000		68,734	1,266	98.2%
As Needed Applied Science	70,000			70,000	0.0%
Emergency Grouting	-		829,649	(829,649)	100.0%
Wastewater Master Plan/Contract Capacity	500,000		104,203	395,797	20.8%
Legal Services	500,000		227,811	272,189	45.6%
Clintondale PS O&M	345,000		170,575	174,425	49.4%
NGI O&M	330,000		42,200	287,800	12.8%
Meters O&M	415,000		137,546	277,454	33.1%
CS-3 O&M	226,000			226,000	0.0%
Biofilter O&M	277,500		115,101	162,399	41.5%
Contribution Life Cycle Reserve	171,700			171,700	0.0%
Interceptor O&M	1,000,000			1,000,000	0.0%
Stormwater Pump Stations	65,800		27,417	38,383	41.7%
Sewage Disposal Charges - Mt. Clemens	200,000		55,518	144,482	27.8%
Debt Service - Revenue Bonds	546,242		227,601	318,641	41.7%
Total Expense Accounts	76,314,383	-	26,118,500	50,195,883	34.2%

	O&M Balance 6/30/2019	O&M	Total 11/30/2019
Cash - Operating	25,896,373	2,058,689	27,955,062
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		28,177,189	28,177,189
Expenditures		26,118,500	26,118,500
			0
Equity*	25,896,373		27,955,062

Detail of 2019 Equity*

Projected reserve at 6/30/2019(No Land Sale)	12,180,673
Projected Engineering Reserve	9,610,000
Projected Sinkhole Surplus	3,400,000
Life Cycle Reserve	705,700