



February 27, 2024

Ms. Crystal Mundy and Mr. Jimmy Ross  
CMOM Engineering Tech Sr. and CMOM Program Manager  
Division of Water Quality  
951 Enterprise Dr.  
Lexington, KY 40510

Subject: **O&M of SSO Monitoring Network for LFUCG**

Dear Crystal:

ADS Environmental Services (ADS) is pleased to provide you with this proposal to operate and maintain the existing SSO monitoring network owned by LFUCG for the 2024 fiscal year (12 months).

As requested, this proposal includes field maintenance, data collection, real-time alarming, and web-based data access for the ADS SSO monitors owned by LFUCG. Please find the attached table, which summarizes the pricing for the proposed services.

We look forward to continuing our partnership and providing you with new and innovative ways to support your collection system management. Please do not hesitate to call me at (859) 512-8204 should you have any questions.

Sincerely,  
ADS Environmental Services

A handwritten signature in black ink that reads 'Robert J. Grob'.

Robert Grob  
Regional Sales Manager

Enclosure

**Scope of Work:**

A. **Comprehensive Maintenance Service.** As part of this program, ADS will perform the following services on ADS SSO monitors in the LFUCG (Owner's) network.

The following ADS equipment is owned by the Owner:

Item	IP Address	ADS Model	Serial Number	Current Location
1	10.4.5.26	Triton + WW Vz	51004	WH5-45A_SORP5
2	10.4.18.62	Triton + WW Vz	50773	NE1-1B
3	10.5.8.118	Triton + WW ATT	51003	Shop - ready to deploy
4	10.4.109.33	ECHO VZ4 WW	35420	TB5_390A (catalpa study)
5	10.4.109.45	ECHO VZ4 WW	35421	Shop - ready to deploy
6	10.4.109.44	ECHO VZ4 WW	35428	TB5_384 (catalpa study)
7	10.4.109.38	ECHO VZ4 WW	35409	TB5_385 (catalpa study)
8	10.4.19.101	Triton + WW Vz	51001	WH3-56
9	10.4.109.3	Triton + WW Vz	50793	WH3-658
10	10.4.109.5	Triton + WW Vz	60737	Shop - ready to deploy
11	10.5.8.120	Triton + WW ATT	61662	WH6-645
12	10.5.8.121	Triton + WW ATT	50725	WH6-74
13	10.5.8.119	Triton + WW ATT	60628	SE2-6137_SORP2
14	10.4.17.16	Triton + WW Vz	61594	WR5-9
15	10.4.17.19	Triton + WW Vz	50996	WR2-319_SORP2
16	10.4.19.96	Triton + WW Vz	50760	Shop - ready to deploy
17	10.4.19.98	Triton + WW Vz	50997	Shop - ready to deploy
18	10.4.17.18	Triton + WW Vz	20415	Shop - ready to deploy
19	10.4.19.99	Triton + WW Vz	51295	TB5-392A (catalpa study)
20	10.4.18.65	Triton + WW Vz	50815	CR4-15_SORP1
21	10.4.18.70	Triton + WW Vz	51002	Shop - ready to deploy
22	10.4.18.72	Triton + WW Vz	40734	Shop - ready to deploy

Maintenance services include but are not limited to the following:

1. **Diagnostics:** Remote diagnostic inspection of all equipment using the most current procedures and programs from the local ADS office in Erlanger, KY.
2. **Repair:** Repair and preventative maintenance services necessary to keep the equipment operating in accordance with the manufacturer's design specifications. The types of services to be performed under this Agreement include but are not limited to the following:
  - Communication link failure
  - Sensor cleaning
  - Battery replacement
3. **Service Schedule:** The field service shall accommodate the Owner's normal operating hours of 8:00 a.m. to 5:00 p.m. Monday through Friday
4. **Cellular Telemetry:** This scope includes monthly wireless communication fees provided by ADS under this contract. ADS will troubleshoot any communication issues arising from the cellular modems included in the SSO monitor hardware.
5. **Quarterly Calibration:** ADS will perform quarterly monitor calibrations under this contract. Calibration will include manual measurement of flow depth to compare to measurement made by the monitor and sensor. Corrections and/or repairs will be performed as part of the calibrations.
6. **Exclusions:** The types of services that are excluded under the maintenance service program:
  - changes or alterations in specifications;
  - painting or refinishing or furnishing materials therefore except as damaged by ADS during service work;
  - vandalism or damage caused by third parties;
  - equipment repair or replacement outside manufacturer's design specifications

B. **Data Collection Services.** As part of this program, ADS will provide data collection services via cellular telemetry for the ADS SSO monitors in the Owner's network. Data will be collected daily and made available through the ADS PRISM web-based interface. Direct alarming will be made available for each of the SSO monitors in the network based on user defined parameters.

C. **Web-based Data Access.** As part of this program ADS will provide access to all data and alarming via the ADS PRISM web-based interface.

**PRISM web-based system:** Owner and designated personnel shall be provided with login credentials to access SSO monitor data over the internet. Typical functionality includes:

- User defined weekly and monthly Hydrographs for each site;
- Tabular data in both monthly summary form and native interval form;
- Detailed site reports with digital photographs;
- Monthly service reports
- Direct data collection available 24/7
- Direct data export

**Attachment A – Fee Schedule**

**LFUCG – SSO Monitoring Network**

<b>Description</b>	<b>Qty</b>	<b>Units</b>	<b>Unit Price</b>	<b>Total</b>
<u>SSO Monitor Maintenance Services:</u> Maintenance Services, Data Collection, Alarming and Web Based Data Access for ADS SSO Monitors owned by LFUCG for 2024 fiscal year. 14 manholes currently serviced.	168	Per unit per month	\$499.00	\$83,832

**Optional Services (As Requested by LFUCG):**

<b>Description</b>	<b>Qty</b>	<b>Units</b>	<b>Unit Price</b>
ADS ECHO depth-only sewer monitoring and alarm equipment purchase	1	Each	\$4,100.00
ADS ECHO depth-only sewer monitoring and alarm equipment installation	1	Each	\$750.00
ADS Triton+ area-velocity flow monitoring and alarming equipment purchase	1	Each	\$8,100.00
ADS Triton+ area-velocity flow monitoring and alarming equipment installation	1	Each	\$900.00
ADS Triton+ area-velocity sensor (replacement)	1	Each	\$2,150.00
ADS wideband cellular antenna	1	Each	\$240.00
ADS Triton+ area-velocity flow monitoring and alarming equipment. Maintenance Services, Data Collection, Alarming and Web Based Data Access	1	Per unit per month	\$650.00
ADS monitoring equipment removal and reinstallation – as directed	1	Each	\$455.00

**Pricing Assumptions:**

- Monthly invoicing, payment terms net 30;
- Monthly invoicing to be based on actual number of monitors installed during the month;
- Pricing based on a minimum of ten (10) devices in operation monthly;
- No prevailing wage or W/MBE required;
- Standard ADS safety and installation methodology (2-man crews);
- Standard traffic control requirements (cones & simple signage);