



RFP No. 112-26 SCADA Radio Service Upgrades Pre-Proposal Conference

**Microsoft Teams
January 5, 2026
11:00 a.m. MT**



Housekeeping

- One-hour meeting.
- Chat enabled; please feel free to submit questions throughout.
- Mic/camera can be activated for attendees.
- No recording.

Agenda

- Introductions
- Background
- Scope of Work
 - Design
 - Recommendation
 - Implementation
 - Sustainment
- Proposal Requirements
- Pricing
 - Design & Recommendation
 - Implementation
 - Sustainment
- Proposal Submission
- Timeline
- Open Q&A



Introductions

- Infrastructure
 - **Will Cirbo**, Water Tech Ops Supervisor
 - **Mark Mazzucco**, Project Manager
 - **Hunter Kubiak**, Instrumentation/SCADA Tech
 - **Kwassi Samlan**, Instrumentation/SCADA Tech
- Information Technology
 - **Jeremy Sing**, IT Infrastructure/Security Manager
 - **Kevin Mourey**, Cybersecurity Engineer
 - **Solomon Oyenukah**, Network Engineering Supv
- Purchasing
 - **Joshua Houston**, Senior Purchasing Analyst

Background

- Two (2) water treatment plants, serving over 43,000 metered connections.
- Current SCADA infrastructure constructed 2011-2013.
- SCADA system is currently connected to over seventy (70) remote sites.
- Ongoing comprehensive SCADA upgrade and automation projects.
- Desire to standardize radio models in use and upgrade outdated models.

Scope of Work

Design

Recommendation

Implementation

Sustainment



Design phase

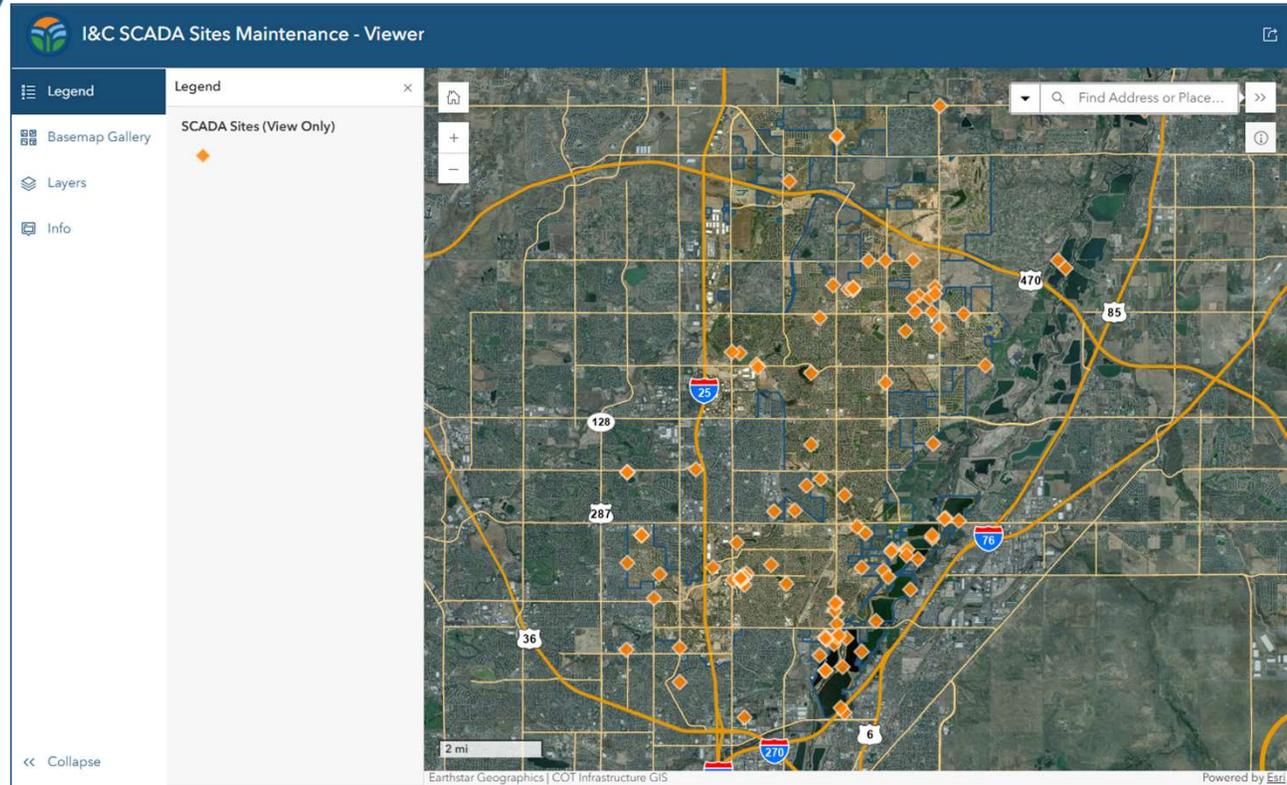
- Kickoff, document review.
- Inspect and test all radio equipment.
 - Sixty-two (62) remote sites, two (2) water treatment plants.
- Comprehensive report for each radio.
- Design comprehensive solution to optimize radio network.
- Collaboration with Thornton, other vendors performing work on SCADA upgrade and automation projects.



Appendix No. 1 Remote SCADA sites

Site	Lat Long	Purpose	Address	UPS	PLC	Radio
Big Dry LS	39°59'30.0"N 104°56'24.1"W	Lift Station	16400 Colorado blvd	SOLA UPS	M340	MDS SD9
Grange Creek LS	39°52'56.8"N 104°55'47.5"W	Lift Station	10275 Riverdale Rd.	Generator	171CBU98090 Firmware V2.80	MDS 4710
Riverdale LS	39°52'19.1"N 104°55'23.6"W	Lift Station	9564 Riverdale Rd	Emerson 80LAHD	M340 V3.65 IR2	MDS SD4
Sky Lake LS	39°54'25.2"N 104°54'19.2"W	Lift Station	116th & Riverdale Rd.	APC Back-UPS 450	171CBU98090 Firmware V2.80	MDS 4710
Thornton Crossing LS	39°51'26.3"N 104°56'23.6"W	Lift Station	88th and Colorado, in 711 parking lot	APC 1500	171CBU98090 Firmware V2.80	MDS 4710
112th Meter Vault	39°53'57.0"N 105°00'56.3"W	Metering	112th & Alcott	APC Back-UPS 600	171CBU98090 Firmware V2.80	MDS SD9
Brighton PS/Meter	39°55'43.5"N 104°53'10.7"W	Metering	128th Ave and Riverdale Rd	Generator	171CBU98090 Firmware V2.82	MDS iNET 900
East Spratt Pump Station	39°52'00.9"N 104°54'48.4"W	Pump Station	39.8669N -104.5448W	APC Back-UPS 450	171CBU98090 Firmware V2.80	MDS SD9
Holly Pump Station	39°55'26.2"N 104°55'21.2"W	Pump Station	12663.5 Holly Street	APC Back-UPS 600	M580 BMEP581020 V4.40	MDS SD9
West Spratt Platte North	39°52'39.9"N 104°54'54.8"W	Pump Station	9820 Mckay Rd Next to Mckay PS	APC Back-UPS 600	171CBU98090 Firmware V2.80	MDS TransNext900
West Spratt Platte West	39°52'12.4"N 104°55'17.2"W	Pump Station	E 100th ave (39.8710N -104.9213W)	Eaton 5115	171CBU98090 Firmware V2.80	MDS TransNet 900
102nd/Zone 5 PS/900 Repeater	39°52'54.6"N 105°00'38.1"W	Storage/Communication	W 102nd Ave and Ura Ln	APC Back-UPS 450	171CBU98090 Firmware V2.80	MDS 9790
85th Elevated	39°51'01.4"N 105°00'57.0"W	Storage	2431 W. 85th Ave	APC Back-UPS 450	171CBU98090 Firmware V2.80	MDS SD9
Cherokee 4M	39°54'00.4"N 104°59'27.2"W	Storage	301 W. 112th Ave, Northglenn	APC Back-UPS 450	171CBU98090 Firmware V2.80	MDS SD9
South 5M	39°56'30.6"N 104°56'45.6"W	Storage	3760 East 136th Ave	APC Back-UPS 450	171CBU98090 Firmware V2.80	MDS SD9
Western Hills 3M	39°50'28.3"N 104°59'48.4"W	Storage	7976 Elmwood Lane	APC Back-UPS 600	171CBU98090 Firmware V2.80	MDS SD9
Hammer PS	39°57'19.8"N 104°51'27.6"W	Storage PS	14790 Riverdale Rd, Brighton	APC Pro 1500S	M580 BMEP581020 V4.40	MDS SD4
Rogers PS	39°59'56.7"N 104°49'44.7"W	Storage PS	13600 E 168th Ave, Brighton	APC Pro 1500	M580 BMEP581020 V4.40	MDS SD9
Burlington Ditch	39°49'58.2"N 104°56'14.7"W	Transfer	5500 E. 75th Ave.	APC Back-UPS 650	171CBU98090 Firmware V2.80	MDS TransNet 900
112th Meter Vault	39°53'57.0"N 105°00'56.3"W	Metering	112th & Alcott	APC Back-UPS 600	171CBU98090 Firmware V2.80	MDS SD9
Denver Interconnect	39°52'10.1"N 104°58'38.7"W	Transfer	550 Thornton Pkwy, Thornton	APC Back-UPS 1500	171CBU98090 Firmware V2.80	MDS SD9
27 J School District PRV	39°56'34.9"N 104°53'39.6"W	PRV	8181 E 136th Ave, Thornton	SOLA	171CBU98090 Firmware V2.80	MDS SD4
134th & Quebec PRV	39°56'20.9"N 104°54'11.9"W	PRV	134th & Quebec	Faton 38550	171CBU98090 Firmware V2.80	MDS SD9
Cundall Farms PRV	39°58'46.2"N 104°57'26.3"W	PRV	136th & Columbine	APC Back-UPS 650	171CBU98090 Firmware V2.80	MDS SD9
128th and Lafayette PRV	39°55'44.1"N 104°58'07.8"W	PRV	128th and Lafayette	SOLA	171CBU98090 Firmware V2.80	MDS SD4

SCADA GIS





Recommendation phase

- Furnish a memo and briefing to Thornton outlining recommendations.
- Thornton decides on course of action.
- Re-negotiation of price for Implementation phase.
- Where radios being upgraded, vendor may propose purchasing existing radios from Thornton.



Implementation phase

- Install upgraded radios, repair existing radios, and/or reconfigure existing radios.
- Where new equipment being installed, vendor shall remove existing radios.
- Execute testing plan.
- Training to Thornton staff.
- Design, Recommendation, and Implementation completed by **December 31, 2026.**

Sustainment phase

- Begins after implementation phase.
- Annual inspections and testing of SCADA radio network.
- Vendor furnishes report after all site visits and testing.
- Any follow-on repairs/work *not* priced into this award.
- Four (4), one (1)-year renewal terms through December 31, 2030.

Proposal requirements

- Section C.2 – Proposal Questions.
 - Includes project plan, schedule, and initial list of replacement radios.
 - Cybersecurity questions.
- Appendix No. 2 Pricing Form.
- Any additional technical information in support of your proposal.
- Section F.1 & F.2 forms.
- 30-page limit (not including Pricing Form, VCS redlines, or other contractual documents).



Pricing: Design & Recommendation

- Single firm-fixed price.
- Optional milestone schedule.

Pricing: Implementation

- Pricing for replacement radios, assuming *all* radios are to be replaced.
- All other costs to perform implementation.
- To be renegotiated during Recommendation phase. Intent to establish a baseline assuming we will replace *all* radios.



Pricing: Sustainment

- Single firm-fixed-price per year, from 2027 through 2030.



Pricing: Proposal Summary

Table 10. Price proposal summary:

Line	Description	Price
1	SCADA Radio Service Upgrades Design and Recommendation phases. Tasks 1-6. Firm-fixed-price.	\$ -
2	SCADA Radio Service Upgrades Implementation phase. Tasks 7-10. Firm-fixed-price.*	\$ -
3	SCADA Radio Service Upgrades Sustainment phase in Year 2 (2027). Task 11. Firm-fixed-price.	\$ -
4	SCADA Radio Service Upgrades Sustainment phase in Year 3 (2028). Task 11. Firm-fixed-price.	\$ -
5	SCADA Radio Service Upgrades Sustainment phase in Year 4 (2029). Task 11. Firm-fixed-price.	\$ -
6	SCADA Radio Service Upgrades Sustainment phase in Year 5 (2030). Tasks 11. Firm-fixed-price.	\$ -
Total evaluated price		\$ -

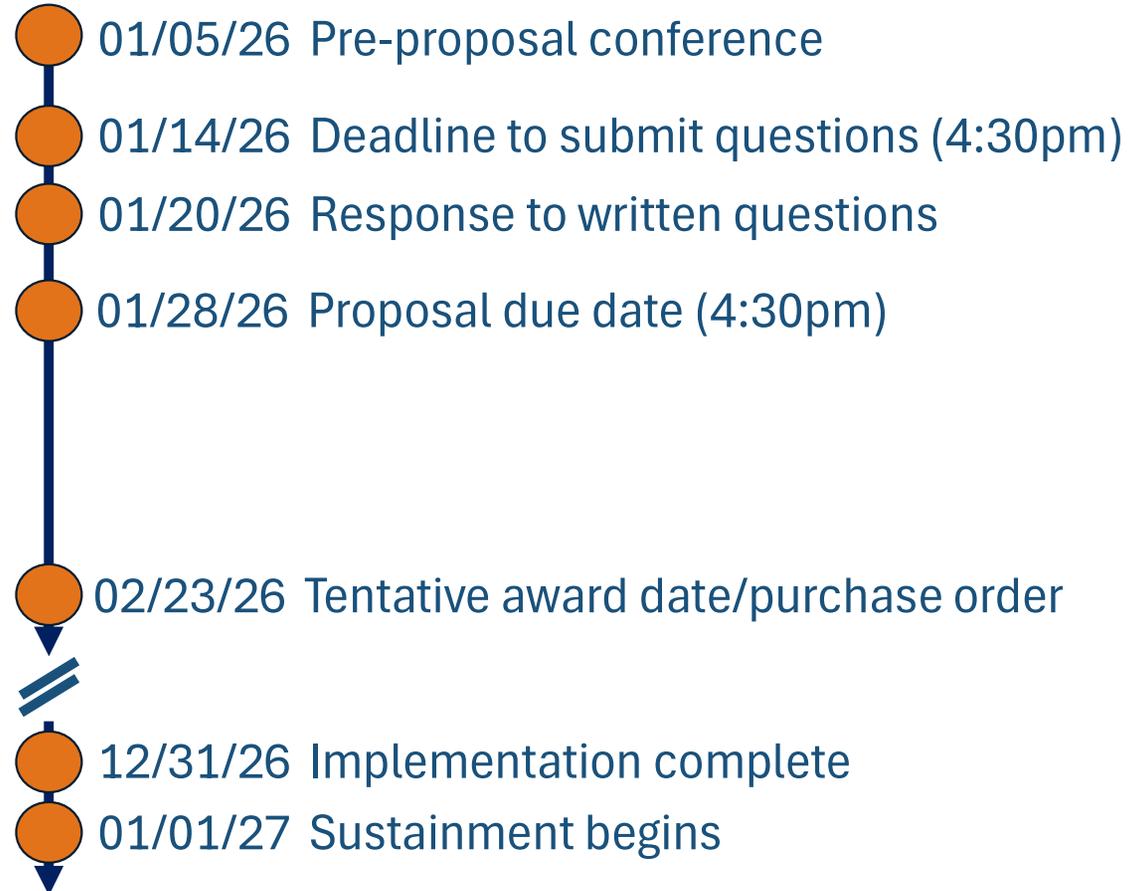
*This price is established assuming all remote and repeater site radios will be upgraded. As part of Task 6, the vendor will deliver to Thornton a price proposal in line with its recommendations under that task. The parties will negotiate any necessary changes to the price proposed for this line item to align the price with the vendor's accepted recommendations and price proposal. This amount is intended to be a ceiling for the Implementation phase.



Proposal submission

- BidNet[®] Direct: www.BidNetDirect.com; or
- E-mail: Joshua.Houston@thorntonco.gov

Timeline





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THORNTON

Open Q&A