

RWIS Network Build Out in Idaho

2006 National Rural ITS Conference

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Overview

1. Project history

2. RFP development

- ◆ Design-build
- ◆ System integrator
- ◆ Procurement contract

3. Selection process

- ◆ Criteria
- ◆ Weighting

4. Current status

- ◆ Contract under way
- ◆ 44 new sites being built

Project History

- ◆ 37 existing RWIS – ESS stations
- ◆ Maintenance needs for additional sites
- ◆ Safety funds
- ◆ ITD need for technical assistance
- ◆ Plan to add 49 or more sites and upgrade existing sites
- ◆ Concept to outsource system operations and maintenance
- ◆ RFP for a system integrator

RFP Development

- ◆ System integrator
 - Installation
 - Integration
 - Operation
 - Maintenance
 - Innovation

RFP Development

- ◆ Contracting options
 - Professional services
 - Construction

OR

- Procurement

RFP Development

- ◆ Requirements and Specifications
 - Non-proprietary equipment
 - Weather and pavement observation specifications
 - Site imaging
 - Field processing
 - Construction
 - Power
 - NTCIP compliance
 - Data integration and communication
 - Site commissioning
 - Data delivery and quality
 - Documentation
 - Training
 - Maintenance and operations
 - Reporting
 - Warranty
 - Project management plan

Selection Process

- ◆ Four submittals
- ◆ Criteria and weighting
- ◆ Qualifications
- ◆ Cost consideration

Response Criteria Weighting

Requirements
and
Specifications

– Non-proprietary equipment	105
– Weather and pavement observation specifications	420
– Site imaging	105
– Field processing	420
– Construction	262.5
– Power	262.5
– NTCIP compliance	262.5
– Data integration and communication	262.5
– Site commissioning	140
– Data delivery and quality	280
– Documentation	140
– Training	140
– Maintenance and operations	420
– Reporting	140
– Warranty	140

Total = 3500

ITERIS.

Response Criteria Weighting

- Requirements and Specifications 3500
- Project Management Plan 2000
- Qualifications 2000
- Cost 2500

Total = 10000

Cost Scoring

$$\text{Vendor X Cost Score} = \frac{\text{Lowest Cost Proposal}}{\text{Vendor X Cost Proposal}} \times 2500$$

Current Status

- ◆ Contract signed with Vaisala on August 10, 2006
- ◆ 5 sites removed from contract due to ROW issues
- ◆ Set to begin construction
- ◆ May not get all '06 sites in this year

Contract Deliverables

Description	Due
Finalized Project Management Plan	20 Days After Award
Standard Drawings & Site Testing Plan	20 Days After Award
Data Integration Test Plan	45 Days After Award
Test Data Files	60 Days After Award
Operations & Maintenance Training Plans	90 Days After Award
Existing RWIS Site Integration Plan	90 Days After Award
Minimum 24 First Year Sites Installed & Commissioned	December 30, 2006
25 (Remaining) Second Year Sites Installed & Commissioned	December 30, 2007
Annual Technical Assessment	Term of Contract
Management, Maintenance & Operations of RWIS Network	Term of Contract
Necessary Traffic Control	Term of Contract
Toll Free 24/7 Help Line	Term of Contract
Monthly Reporting	Term of Contract

Next Steps

- ◆ Implement as many of the 2006 sites as possible
- ◆ Develop a plan for integrating existing sites
- ◆ Prepare for 2007 deployment