

**COLORADO DEPARTMENT OF TRANSPORTATION  
 PROPRIETARY ITEM – CERTIFICATIONS OR FINDING IN THE PUBLIC  
 INTEREST (FIPI)**

**INSTRUCTIONS;**

A specific patented or proprietary material, specification, or process shall not be required on a contract except as permitted in Section 2.24 of the Project Development Manual (PDM). Use this form to obtain approval of the use of a proprietary feature on a project or group of projects.

**PROPRIETARY ITEM OR PROCESS:**

Name of proprietary item or process:  All weather sensors available from Vaisala    Glen Martin Fold down towers	Manufacturer name, address & phone No.:  Vaisala Inc 194 South Taylor Avenue Louisville, CO 80027 303-499-1701  1205 W Broadway Suite B, Columbia, MO. 65203 (660) 882-2734. (www.glenmartin.com)
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**NEED FOR PROPRIETARY ITEM:**

Check only one	LOCATION
<input type="checkbox"/> Project Specific (if FHWA has no interest then RE approval otherwise requires FHWA approval) – FIPI or (Stds & Specs Engr approves) - Certification	Provide Project No., Project Code, and Location:
<input type="checkbox"/> Corridor Specific (if FHWA has no interest then RE approval otherwise requires FHWA approval) – FIPI or (Stds & Specs Engr approves) - Certification	Provide Corridor Description:
<input type="checkbox"/> Region-wide(Progrm Engr approval and requires FHWA approval) – FIPI or (Stds & Specs Engr approves) - Certification	Identify CDOT Region:
<input checked="" type="checkbox"/> Statewide(Branch Mgr approval and requires FHWA approval) – FIPI or (Stds & Specs Engr approves) - Certification	
For a corridor, region-wide, or statewide request, a Certification or FIPI will have a term of: (Check only one)	
<input type="checkbox"/> 3 Years (maximum allowable)	Specify dates of term:
<input checked="" type="checkbox"/> Other (specify term)	Specify dates of term:  Nov 2015 to Nov 2017

**JUSTIFICATION**

I hereby certify that it is in the public interest to specify the above named proprietary item or process for the following reasons: (Check all that apply)

- It is essential for synchronization.(Certification only)
- No equally suitable alternative exists.(Certification only)
- It will be used for research or experimental purposes on short sections of road. (Such use must be processed through the Research Branch of DTD. Attach documentation from DTD.) (FIPI only)
- It is in the public interest not to allow any other products even though other equally acceptable materials or products are available. (FIPI only)

**JUSTIFICATION (required).** Justification consists of information that documents the reasons marked above for use of the proprietary item or process. For research or experimentation include a work plan that describes how the research or experimental feature will be used and evaluated. Attach additional pages and documentation as necessary.

The Colorado Department of Transportation has evaluated & used Vaisala weather sensors/Glen Martin tower products.

This FIPI is for the purpose of replacement and repair of an existing system with hundreds of weather stations. These need equivalent sensor to match the existing Scanweb software used to pull and consume the data. CDOT will continue to test and evaluate other products on individual projects, in order to make our specifications more diverse as the technology allows.

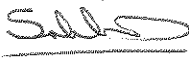
To our knowledge there is no other weather sensors that are hardened for Colorado and work in our Scanweb software.

The use of a uniform system allows the public and state agencies to view the weather conditions on [www.cotrip.org](http://www.cotrip.org).



The overall cost to the public will result in substantial savings from CDOT not stocking different brands in the warehouse, training maintenance forces and writing software for multiple vendors.

To our knowledge there is no other fold down towers (that fold in 10' increments) available that meet our specifications.

**APPLICANT SIGNATURE**

Name	Title (CDOT Resident Engineer, Program Engineer, or Branch Manager, as appropriate; see flowchart in section 2.24 of the PDM);	Signature	Date
Saeed Sobhi	ITS Branch Manager		10/27/15

**APPROVAL SIGNATURES:**

Signature 	CDOT Resident Engineer (Required on project specific or corridor FIPIs)	Date 10-26-15
Signature	CDOT Research Engineer (Required for research and experimentation FIPIs)	Date
Signature	FHWA Operations Engineer (Required for all region-wide and statewide FIPIs and FHWA oversight project level FIPIs)	Date
Signature 	CDOT Stds. & Specs. Engr. (Required for all proj. specific, corridor, region-wide & statewide Certifications)	Date 10/29/15

**COPIES OF APPROVED FORM TO (as appropriate):**

CDOT Project Engineer Jill Scott	CDOT Resident Engineer: Jill Scott
CDOT Program Engineer: Saeed Sobhi	CDOT Research Engineer:
CDOT Standards and Specifications Engineer (all, FIPI with draft of any required specification change):	CDOT Branch Manager
FHWA Operations Engineer:	