

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:

<p>Name of proprietary item or process:</p> <p>Econolite Cobalt Traffic Signal Controller (upgraded version of Econolite ASC/3 traffic signal controller).</p>	<p>Manufacturer name, address & phone No.:</p> <p>Econolite Control Products Inc. 2950 Professional Place Colorado Springs, Co 80904</p>
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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 checked="" 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: Arterial Corridors within the City & County of Denver limits.
<input type="checkbox"/> Region-wide(Progrm Engr approval and requires FHWA approval) – FIPI or (Stds & Specs Engr approves) - Certification	Identify CDOT Region:
<input 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 checked="" type="checkbox"/> 3 Years (maximum allowable)	Specify dates of term: 01/01/2017-12/31/2019
<input type="checkbox"/> Other (specify term)	Specify dates of term:

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.

A FIPI was approved by FHWA in 2009 and again in 2012 that allowed City & County of Denver to purchase Econolite ASC/3 controllers. Denver has installed over 100 ASC/3's at signalized intersections. Subsequently, Econolite has updated the ASC/3 controllers to Cobalt controllers. Denver is requesting purchase of Cobalt controllers to maintain uniformity and consistency with existing field infrastructure. Denver signal maintenance staff is well-versed with Cobalt controllers. The purchase of Cobalt would allow Denver to operate and maintain the controller that is existing in their signal system. In addition, the above proprietary product has been specified because Denver has standardized on its Transit Signal Priority (TSP) software embedded in the Econolite controller and the Trancore's TranSuite Advanced Traffic Management System (ATMS). The overall cost to the public results in substantial saving as Denver would not have to rewrite the TSP software for other controller purchases. In addition, significant cost saving in maintenance and training is expected due to the familiarity of the maintenance staff with Cobalt controllers. The Econolite Cobalt controller is essential for the synchronization and integration with the existing traffic signal controllers installed within the City & County of Denver.

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
Nitin Deshpande	Traffic Signal Program Manager	<i>Deshpande N.P.</i>	12/28/2016

APPROVAL SIGNATURES:

Signature <i>Deshpande N.P.</i>	CDOT Resident Engineer (Required on project specific or corridor FIPIs)	Date 12/28/2016
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 <i>Larry E. B...</i>	CDOT Stds.&Specs. Engr. (Required for all proj.specific, corridor, region-wide & statewide Certifications)	Date 1-9-17

COPIES OF APPROVED FORM TO (as appropriate):

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