

**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: Dallas 1644 (Nonvolatile Timekeeping RAM), Dallas 1230 (256k Nonvolatile Timekeeping RAM)	Manufacturer name, address & phone No.: Maxim Integrated (Dallas Semiconductor parent company) 160 Rio Robles San Jose, CA 95134 USA 408-601-1000
--	--

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: North I-25 Corridor, in Weld and Larimer County, CO
<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: July 2017 to June 2020
<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.

Used in previous Projects on North I-25 for electronic memory in Ramp Metering Controllers. The uniform design allows for consistency in the operation and function of the ramp meter controllers on North I-25.

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
Chris Boesptug			7/13/17

APPROVAL SIGNATURES:

Signature	CDOT Resident Engineer (Required on project specific or corridor FIPIs)	Date 7/13/17
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 7-17-17

COPIES OF APPROVED FORM TO (as appropriate):

CDOT Project Engineer Scott Rees	CDOT Resident Engineer: Chris Boesptug
CDOT Program Engineer: Heather Padlock	CDOT Research Engineer:
CDOT Standards and Specifications Engineer (all, FIPI with draft of any required specification change): Larry Brinch	CDOT Branch Manager:
FHWA Operations Engineer: Monice Parlin	