

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:

| | |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Name of proprietary item or process.</p> <p>MMU2-16LE</p> | <p>Manufacturer name, address & phone No.:</p> <p>Eberle Design Inc. 3510 East Atlanta Ave Phoenix, AZ 85040</p> <p>480-968-6407</p> |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

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 Commerce City Highway 2 & Quebec Parkway |
| <input type="checkbox"/> Region-wide (Program 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: 03-15-2017 thru 03-15-2020 |
| <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.

Commerce City uses MMU2-16LE units as a standard device capable of providing for fault monitoring necessities.

Providing uniformity improves record-keeping, proficiency in the equipment used, familiarity with equipment

availability & compatibility, accurate purchases, and general expediency of work. As Commerce City

contracts its traffic signal maintenance work, being able to provide such efficiencies is pertinent.

The MMU2-16LE units will provide compatibility with future Flashing Yellow Arrows installs as Commerce City seeks to

improve upon signal coordination parameters allowed by field equipment, such as the lagging of protected left-turns.

APPLICANT SIGNATURE

| | | | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------|
| Name <i>Colin Taylor</i> | Title (CDOT Resident Engineer, Program Engineer, or Branch Manager, as appropriate; see flowchart in section 2.24 of the PDM): <i>Civil Engineer II</i> | Signature <i>Colin Taylor</i> | Date <i>01-17-18</i> |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------|

APPROVAL SIGNATURES:

| | | |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Signature <i>Deshpande N.P.</i> | CDOT Resident Engineer (Required on project specific or corridor FIPIs) | Date <i>Nitin Deshpande 01/17/18</i> |
| 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 P. [Signature]</i> | CDOT Stds.&Specs. Engr. (Required for all proj.specific, corridor, region-wide & statewide Certifications) | Date <i>1-19-18</i> |

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: | |