



CERTIFICATION OF PATENTED OR PROPRIETARY PRODUCT

Wisconsin Department of Transportation (WisDOT)
 DT1584 7/2015 23 CFR 635.411 (a) (2)

<p>By signature of this document, the State official is certifying that in accordance with the requirements of 23 CFR 635.411 (a) (2), this patented or proprietary item is:</p> <p><input checked="" type="checkbox"/> Essential for synchronization OR <input type="checkbox"/> No equally suitable alternative exists</p>		
Duration	Project Specific Information	
<input checked="" type="checkbox"/> Project Specific Certification <input type="checkbox"/> Corridor (Major Project) Certification Statewide Certification <input type="checkbox"/> (5 yrs maximum for blanket) Specify dates of term: From: To:	Project Title 4650-05-71 Sheboygan Falls-Taylor Drive; City of Sheboygan STH 28; Sheboygan County Stewardship <input type="checkbox"/> FHWA <input checked="" type="checkbox"/> State Administered Product/Material and Name of Manufacturer SIMENS Eagle EPAC Signal Controller, Tapco 5100 West Brown deer Road, Brown Deer WI. Leotek LEDS, Leotek Electronics, San Jose, CA.	
<p>Product Justification</p> <p>Existing city traffic signals are controlled by Eagle EPAC signal controllers. Justification for use of this product is based on compatibility (functionality) with existing signals. The city installs Leotek LED luminaries for their street lighting system. The proprietary product is interchangeable with products in the city's maintenance inventory</p>		
<p>Cost</p> <p>Note to designers: Cost is not a determining factor for synchronization. However a cost evaluation may provide for sound engineering decision making. Eagle EPAC Traffic Signal Controller: \$15000 L.S. Leotek LED luminaries: \$850 each</p>		
Attach Supporting/Reference Documentation (drawing sheet numbers, specifications, correspondence, etc.)		
Region Project Development Chief or Local Program Manager: (signature)	Name	Date
BPD Project Services Chief: (signature)	Name	Date
WisDOT Tracking Number WI-0001		

SAMPLE PUBLIC INTEREST FINDING FOR USE OF PROPRIETARY PRODUCTS LETTER
(a working file of this template: [FDM 19-1-5 A2 doc1](#))

CORRESPONDENCE State of Wisconsin Department of Transportation

Date: [Date]

To: [Name], P.E.
Project Services Chief
Bureau of Project Development

Attn: [Name], P.E.
Project Services Engineer for [XX] Region
Bureau of Project Development

From: [Name], P.E.
Project Development Chief
[XX] Region

Subject: **Public Interest Finding for use of Proprietary Products**
Design ID # [XXXX-XX-XX]
[Title]
[Limits]
[Highway]
[County]

This Public Interest Finding (PIF) is requesting approval to furnish portions of the subject project with proprietary items in accordance with FDM 19-1-5 and the United States Code of Federal Regulations 23 CFR 635.411(c).

Description of the product and how the product meets the project's needs: Proposed product is Star Track Heavy Duty Railroad Crossing manufactured by Oldcastle Precast, Inc. The existing concrete railroad crossing has experienced several failures resulting in traffic being impacted as well as vehicle damage. The proposal is to replace the crossing. This product will ensure the longevity of the crossing, improved ride comfort and safety.

Evaluation of other acceptable products: WisDOTs preferred crossing material at this site is concrete. The existing department standardized concrete crossing has failed and a new crossing is required. There are other pre-fabricated concrete railroad products. Evaluation by the department has concluded that the Star Track HD crossing product meets project needs in terms of costs, time to install, complexity to construct and impacts to the traveling public. Important to note is E&LS railroad has experience maintaining this crossing product.

Cost Analysis and engineering analysis support. Estimated cost for installation of the Star Track HD crossing is \$400,000. This includes removing and installing the railroad crossing, the roadway approach work, and the traffic control with a detour. The estimate a standard concrete surface railroad crossing is \$320,000 including the same work noted above. Engineering analysis determined a 30 year life for the Star Track crossing and a 10 year life for the standard concrete crossing. Routine maintenance by the railroad is anticipated for both crossing types. Assuming a 30 year life-cycle the standard concrete crossing would be replaced two times for a total estimate of \$960,000 in current dollars. Assuming today's value of money the Star Track HD Crossing will be less expensive than a concrete crossing over 30 year life span.

Not included in the life-cycle costs are impacts to road users. The Star Track HD crossing can be installed and open to traffic the same day. This results in significant savings by reducing travel delay to the traveling public.

Duration of the Product approval. This is a project specific proprietary product request. The sunset date is the completion of the project.

Your concurrence with this Public Interest Finding for use of proprietary products on Project XXXX-XX-XX is requested.

Region Project Development Chief (or Local Program
Manager)

Date

Concur:

BPD Project Services Chief (or Local Project Delivery
Chief)

Date

FHWA Field Operations Engineer
(Federal Stewardship Projects Only)

Date