

I do hereby certify that in accordance with the requirements of 23 CFR 635.411(a)(2), this patented or proprietary item is essential for synchronization with existing highway facilities.

DATE: January 18, 2016
TO: Division Engineer, Design
Attn: Design Standards

State Design Engineer

FROM: Gateway Green Light Program
St Charles County, MO

SUBJECT: Design
Route: Various – St Charles County
Gateway Green Light Project
Job No. CMAQ 5414(623)
Public Interest Finding

With reference to the above mentioned project, we request approval of a finding in the public interest to use Daktronics dynamic message sign (DMS) devices and accessories for arterial DMS installations for the Gateway Green Light (GGL) project.

The Missouri Department of Transportation (MoDOT) has this specific device as part of existing Intelligent Transportation Systems (ITS) currently deployed in the St Louis District. The Gateway Green Light project will closely integrate both device and communication protocols with existing MoDOT systems. It is therefore desirable that the proposed DMS installations deployed as part of GGL Phase 3 product synchronize with existing criteria for such a device.

Detailed product reviews conducted for a similar arterial roadway DMS installation in the Kansas City metropolitan area entailed field demonstrations and compared multiple arterial scale DMS products. Based upon these evaluations, it was determined that the high definition, full color Daktronics signs provided the best return on investment when considering sign legibility at required distances, maintenance, ease of uses, troubleshooting, and overall appearance. Past field performance has demonstrated that this product is cost comparable, durable, and easy to operate and maintain.

Additionally, it is important that equipment meeting the criteria for full color display, text size, and number of characters be identified early for purposes of structural design of the DMS cantilever support.

Approval of this request at your earliest convenience would be appreciated. This project has a submittal deadline of February 5, 2016 for final plans.