

Missouri Department of Transportation

**DATE:** February 2, 2016

**TO:** Eric Schroeter  
State Design Engineer

**FROM:** Jason Williams  
Transportation Project Manager

**RE:** Job No. J9I3168  
Route I-55, Cape Girardeau County  
Proprietary Item Certification

The Southeast District requests approval to use the following proprietary over-height vehicle detection (OHVD) system on the above-noted project.

Model	Description	Location
<a href="#">DB-R/IR-3200</a>	Dual Beam Visible Red & Infrared System	Route 74 just west of bridge L0279 (SB I-55)
<a href="#">SE-R/3310</a>	Single Eye Visible Red	I-55 southbound off-ramp to Route 74
<a href="#">3500-LED-404</a>	Blankout Warning Sign (10-in. Characters)	Route 74 just west of bridge L0279 (SB I-55)
<b>Manufacturer:</b> Trigg Industries, 716B Bluecrab Road, Newport News, VA 23606		

Bridge L0279 (southbound I-55 over Route 74) has been struck six (6) times since 1999 by over-height vehicles traveling on Route 74. To date, over-height vehicle collisions with the bridge have caused moderate damage and short-term closures; should the bridge sustain a more severe impact, southbound I-55 would have to be closed, resulting in a 14-mile detour over routes not built for interstate volumes. The above equipment would be used to detect over-height vehicles and alert the over-height vehicle that it must exit Route 74 prior to the bridge.

Trigg Industries provides a complete detection system in which all components are fully compatible. We were unable to find an equally suitable alternative that included all necessary components for proper detection and notification. The proposed system is similar to the OHVD system employed by MoDOT's Central District (see attached single feasible source purchase posting notice).

The project is currently scheduled for a May 20, 2016, letting.

**I do hereby certify, that in accordance with the requirements of 23 CFR 635.411(a)(2), no equally suitable alternate exists for this patented or proprietary item.**

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State Design Engineer

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Date