



**NEW MEXICO** DEPARTMENT OF  
**TRANSPORTATION**

July 29, 2015

J. Don Martinez  
FHWA, New Mexico Division  
4001 Office Court Dr., Suite 801  
Santa Fe, NM 87507

RE: Request for Sole Source Proprietary Signalization Equipment on Signal Installation at the Intersection of US 550 and NM 347 (A301590)

Mr. Martinez,

I am sending this letter to document the need for and request approval for the sole source use of Autoscope Duo Video Vehicle Detection System manufactured by Econolite for the above referenced project.

As the Traffic Operations Engineer for the New Mexico Department of Transportation, I certify that in accordance with the requirements of 23 CFR 635.411(a)(2), that this proprietary equipment is essential for synchronization with the existing adaptive traffic signal system recently implemented on the US 550 corridor.

Certification Documentation:

1. The Autoscope Duo Vehicle Detection System will benefit the public by allowing the NMDOT to incorporate this traffic signal into the adaptive traffic signal system on US 550.
2. Unique needs being addressed that result in no equally suitable alternative are:
  - a. **Compatibility:** This signal will be able to be incorporated into the adaptive traffic signal system on US 550.
  - b. **Maintenance and Training:** NMDOT traffic signal maintenance personnel and City of Rio Rancho maintenance personnel are already trained in monitoring and maintaining this system, and as part of this project will receive additional training.
3. Identified safety locations or critical decision points that would justify a higher standard: This criteria does not apply to this project.
4. Evaluation of the pool of potential products and a description of why these products cannot meet the contracting agency's needs: The adaptive traffic signal system implemented on US 550 is Centracs Adaptive and relies on proprietary equipment to monitor the traffic and perform the necessary traffic signal timings adjustments throughout the corridor. Consequently, no other detection equipment is compatible with the traffic signal adaptive system.

**Susana Martinez**  
Governor

**Tom Church**  
Cabinet Secretary

**Commissioners**

**Ronald Schmeits**  
Chairman  
District 4

**Dr. Kenneth White**  
Secretary  
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**David Sepich**  
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District 2

**Keith Mortensen**  
Commissioner  
District 3

**Butch Mathews**  
Commissioner  
District 5

**Jackson Gibson**  
Commissioner  
District 6

5. Estimate of additional costs, if any, incurred as a result of this proprietary product requirement: All traffic signal intersection detection equipment is comparably priced. Therefore, there should not a significant difference in the overall costs to the project. Any cost increase, or potential decrease, associated with utilizing the Autoscope Duo Video Detection System would be in the magnitude of \$600 (\$150 per camera).

In summary, the New Mexico Department of Transportation requests your approval to use the Autoscope Duo Video Vehicle Detection System manufactured by Econolite on this project.

Respectfully,



Andrew Gallegos  
Traffic Operations Engineer  
State Maintenance Bureau

Cc: Leonard Rivera, P.E. – City of Rio Rancho  
Joseph Norby, P.E. – City of Rio Rancho  
Afshin Jian, P.E. – NMDOT Traffic Engineer  
Leslie Fortier, P.E. – NMDOT District 3 Technical Support Engineer  
Rick Padilla, Bureau Chief, State Maintenance Bureau

FHWA Concurrence

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Jolena Palau – FHWA Area Engineer