

# STATE OF COLORADO

## DEPARTMENT OF TRANSPORTATION

Region One  
Materials Unit  
18500 East Colfax Ave.  
Aurora, CO 80011  
(303) 757-9134  
FAX (303) 757-9746



Mr. William Jones  
Division Administrator  
Federal Highway Administration  
Attention: Mr. Bernie Kuta

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In the 1990's as part of the SHRP and LTTP process many states including CDOT started using Type II Weigh-In-Motion (WIM) stations in accordance with ASTM E 1318 to monitor traffic traveling over the test sites. Since then many technological advances have been made in WIM stations and CDOT has maintained a good understanding in the performance of these stations. While there is no CDOT standard for Type II WIM stations, our Division of Transportation Development has used various vendors over the last 10 years for the installation and maintenance of WIM stations and found Electronic Control Measurement (ECM) Incorporated of Manor Texas to be the best performer. ECM has installed numerous WIM stations in Colorado as well as many other states and provided the best service along with technical advice to CDOT. ECM Inc. is working with many product manufacturers for WIM electronics and equipment in order to maintain the best systems for CDOT. The Type II WIM systems supplied by ECM Inc. consistently perform better than others for CDOT, probably due to their basic construction and quality control measures. CDOT desires to reduce the stockpile of spare parts needed to keep the various systems operational. An effective use our limited resources would be a standardized program for data reduction, processing, and formatting. In order to maintain the most cost effective systems, we request that the ECM Inc. Type II WIM stations be named as the sole source provider to CDOT.

If approved, ECM Inc. WIM stations and equipment will be part of a statewide specification being developed for warranty projects. In order to maintain the best possible WIM stations in Colorado, CDOT's intent is to create an annual personal services agreement with ECM Inc. to perform routine software upgrades and systems maintenance while calibrating their Type II WIM stations.

In conclusion, we find the public's best interest would be best served by specifying ECM Inc. Type II WIM systems and utilizing ECM's services to calibrate these systems. We request your concurrence in this finding as required by 23 CFR 172.2 © and 23 CFR 635.411.

Randy Grauberger  
Division of Transportation Development

Timothy Aschenbrener  
Staff Materials Engineer

Concur:

  
William Jones, Division Administrator for FHWA

6/8/01