
STATE OF COLORADO

DEPARTMENT OF TRANSPORTATION

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Date: July 10, 2013

To: Transportation Commission

From: Ryan Rice, Director of Transportation Systems Management & Operations

Subject: Transportation Systems Management & Operations Reorganization Plan Workshop

The purpose of this workshop is to inform the Transportation Commission of the approved decisions of the reorganization planning process for the Division of Transportation System Management & Operations (TSM&O). No action is requested by the Commission at this time. Included in this document are a graphic depicting the personnel that have been transferred and the FY14 Goals and Work Plan for the Division of TSM&O.

In January 2013, CDOT formed the Division of TSM&O to focus on implementing low-cost high-value improvements to get the most out of our existing transportation system. The Intelligent Transportation Systems (ITS) Branch was transferred from the Division of Staff Branches to the Division of TSM&O on February 1, 2013 as the first step in building the Division. Over the last three months, CDOT stakeholders worked together to develop an organizational structure for the Division of TSM&O through multiple planning sessions and a detail report that has now been finalized. The changes to organizational structure became effective on July 1, 2013 and include the transfer of the majority of the Traffic Engineering and Safety Branch from the Division of Staff Branches to the Division of TSM&O as well as ramp meter maintenance and HOV/HOT operations personnel from Region 1. The Outdoor Advertising, Utilities, and Railroad programs remained with the Division of Staff Branches as well as the three employees who manage those programs.

The detailed reorganization report also identified the need for the following:

- Traffic Incident Management Program Manager
- Travel Demand Management Program Manager
- Statewide Traffic Signal Program Manager
- An Operations Clearance Review for all new CDOT projects
- Improved integration of traffic management centers at Hanging Lake Tunnel, Eisenhower-Johnson Memorial Tunnel and the Colorado Transportation Management Center in Golden

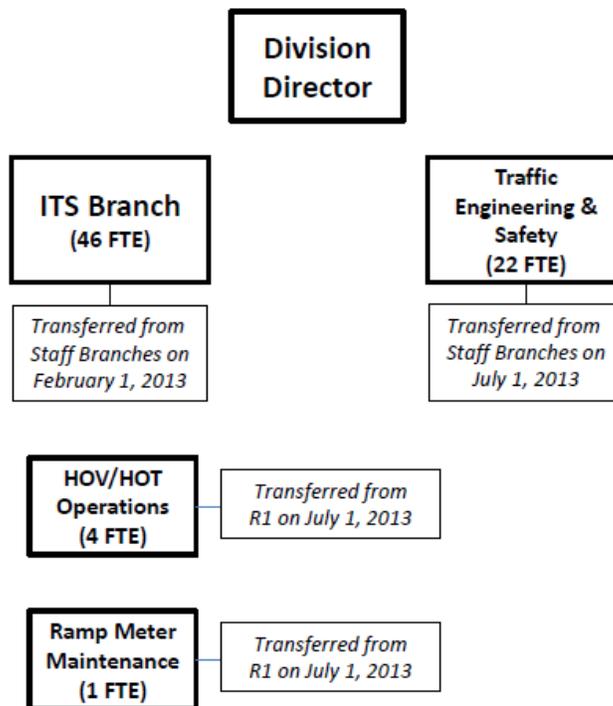
- More detailed planning and coordination with maintenance activities that have a high impact on system performance

It also expanded the scope of which ITS devices are operated and maintained by the Division of TSM&O. A Matrix Management system will be developed in the coming months to define the coordinated reporting relationships of key Region personnel with the Division of TSM&O.

This is the first major step in building the Division of TSM&O in a process that will require periodic assessment of programs for effectiveness and evaluation of the need for additional changes to organizational structure, increased support, and funding.

Division of Transportation Systems Management & Operations

Transfers to the Division of TSM&O



Division of Transportation Systems Management & Operations FY14 Goals and Work Plan

Goals

- Improve the accuracy and timeliness of our traveler information.
- Reduce delays at critical bottlenecks by 5% in highest priority congested corridors.
- Reduce incident clearance times by 5% in highest priority congested corridors.
- Reduce eastbound peak period delays on the historically congested Sunday's and Holidays in the I-70 Mountain Corridor from Frisco to C470 by 5%.
- Reduce delays at work zone lane closures by 10%.

Staffing

- Conduct a detailed staffing analysis to identify opportunities to manage new program areas and Division requirements with current staffing levels by September 30, 2013.
- Implement program managers for Incident Management, Travel Demand Management, Statewide Traffic Signals, Operations Clearance Review, and Innovation and Technology Development by January 1, 2014.
- Assign a Corridor Operations Manager to comprehensively manage the I-70 Mountain Corridor from Glenwood Canyon to C470 to oversee the cross-Regional activities that impact the performance of the corridor and to direct actions, communications, and resources in real-time during peak traffic hours by October 1, 2013.

Incident Management

- Implement incident recognition software to enable the instant and automated video detection of traffic incidents by January 1, 2014.

- Explore opportunities to further expand courtesy patrol to include building an internally supported and CDOT staffed courtesy patrol funded through private sponsorship by May 1, 2014.
- Conduct First Responder Quick Clearance training for stakeholders in the I-70 Mountain Corridor by January 1, 2014.

Areas of Special Focus

- Establish dedicated units comprised of Region and HQ personnel with the specific purpose of systematically identifying solutions for the following areas that are the largest contributors to traffic congestion: Bottleneck Reduction, Traffic Incident Management, and Road Weather Management by October 1, 2013.

ITS Branch

- Implement instant communications software into traffic management centers and key Region and Maintenance locations by November 1, 2013.
- Implement Incident Management software by May 1, 2014 for the I-70 Mountain Corridor as phase I of a statewide implementation plan.
- Enhance CDOT Mobile App with TDM incentives, and push/local notifications by August 1, 2013 and major projects and freight pages by October 1, 2013.
- Develop a formal Performance Measures program that establishes relevant measures and associated systems of tracking and reporting system performance by January 1, 2014.
- Establish 24/7 monitoring of traffic signals at TMCs in the event of signal malfunctions for multiple Regions and provide support and redundancy for multiple Region Traffic Signal Systems in the event of system failure.

Planning

- Publish a detailed Strategic Operations Plan that prioritizes strategies and programs statewide and in congested corridors by December 1, 2013.