

TRAFFIC MANAGEMENT PLAN  
EXECUTIVE SUMMARY  
Jackson County, Route I-470, Job No. J4I1650

This summarizes the Transportation Management Plan (TMP) for the project: Jackson County, Route I-470, Job No. J4I1650. This job, being done in conjunction with the City of Lee's Summit, involves construction of a new interchange at Strother Road and northbound and southbound auxiliary lanes from the new interchange to existing adjacent interchanges at Woods Chapel Road and Colbern Road.

This project is considered "significant" since it is an interstate project that occupies a location for more than three days with either intermediate or continuous lane closures. The TMP consists of a Temporary Traffic Control (TTC) plan, Transportation Operations (TO), and Public Information (PI) components.

A TTC plan is included in the Plans, Specifications, and Estimate (PS&E) and describes the measures to be used for facilitating road users through the work zone or an incident area. The TTC plan is consistent with MoDOT policies, guidelines and standards, and meets the provisions of Part 6 of the Manual on Uniform Traffic Control Devices (MUTCD).

The TTC for this project includes use of a temporary four-lane bypass to handle I-470 traffic while new northbound and southbound bridges on I-470 and eastern portion of the interchange are constructed. Temporary concrete traffic barrier will be used to separate traffic on the temporary bypass. The remaining western portion of the interchange will be constructed after traffic is switched back to the new I-470 bridges. The inside shoulders of I-470 will be reconstructed and traffic shifted partially onto them while the auxiliary lanes are constructed. Temporary concrete traffic barrier will be used adjacent to the existing outside lanes to separate traffic from construction activities. Detours will be provided for local traffic over city streets for reconstruction of western portion of Strother Road.

The TO component of the TMP includes the identification of strategies that will be used to mitigate impacts of the work zone on the operation and management of the transportation system within the work zone impact area. The scope of the TO component was determined by project characteristics and consists of the strategies derived through the use of the traffic management strategy matrix. The TO component of this project includes temporary modifications to overhead guide and roadside signs throughout the project limits, the required placement of temporary signs, changeable message signs, channelizers, and emergency provisions/incident management provided by the contractor, as outlined in the Job Special Provisions and specifications. Towing services for disabled vehicles within the project limits will be provided within the project contract.

The PI component of the TMP includes communication strategies that seek to inform affected road users, the general public, area residences and businesses, and appropriate public and transportation entities about the project, the expected work zone impacts and the changing conditions on the project. This includes traveler information strategies. The scope of the PI component was determined by the project characteristics and the public information and outreach strategies identified through the traffic management

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strategy matrix. Public information and outreach for this project will include: placement of changeable message signs, news releases of construction project activities prior to and during the start of construction, the MoDOT web site, and KC Scout web site and message boards.

The PS&E includes the appropriate pay items and provisions for implementing the TMP, specifically the pay items include:

- Truck Mounted Attenuator
- Construction Signs
- Relocated Signs
- Channelizer (Trim Line)
- Flashing Arrow Panel
- Changeable Message Sign
- “Drive Smart” signs
- “Point of Presence” signs
- Type III Moveable Barricades
- Temporary Concrete Traffic Barrier, Type F
- Temporary pavement marking

In addition to the work zone-specific Public Information activities, MoDOT provides general work zone information to the public through various outlets. These include, among other things, publication of a statewide work zone map and work zone driving safety tips, posting of current work zone locations and conditions to the internet, promotion of Work Zone Safety Awareness Week, and advertisement of work zone safety-related messages via radio, television and, billboards. Through these efforts, MoDOT positively influences work zone safety and mobility, as motorists gain access to information they need to plan their trips and become more work zone conscious.