

## **Bureau of Transportation Planning**

The Bureau Chief has supervisory responsibility for the functional areas of Traffic and Field Operations (TFO), Geographic Information Systems (GIS), Models and Forecasting, Comprehensive Transportation Planning, Freight and Rail Affairs, and Access Management. Additionally, the Bureau Chief assists the Director of Partner Relations with administration of the KDOT Economic Development Program.

### **Primary Functions**

The Bureau is responsible for collecting, analyzing, and reporting information concerning the development and management of the statewide transportation system, and administration of KDOT's multimodal surface transportation programs and coordination with various transportation partners.

### **Traffic and Field Operations**

- Collect, analyze and report traffic data, which includes vehicle speed, standard traffic counts, and traffic counts by vehicle type and vehicle weight.
- Collect and distribute a visual record of the State Highway System.
- Analyze and report annual mileage and travel data and coordinate federally mandated functional classification updates.

### **Geographic Information Systems**

- Develop and maintain applications using GIS concepts and technology to provide an integrated highway information system.
- Facilitate the georeferencing and geospatial enabling of department databases.
- Maintain department repository of imagery and raster data management and distribution.
- Maintain records on corporate boundaries for the purpose of determining payments to cities for maintenance of city connecting links.
- Develop and periodically update maps for cities, counties and the state including the official State Transportation Map.
- Maintain agency repository of accident data, travel information, and road and bridge data, including geometrics and roadway surface and bridge condition, for all public roadways in Kansas.
- Responsible for numerous required federal data submittals, including data for the Highway Performance Monitoring System and National Bridge Inventory.
- Perform roadside surveys to collect roadway feature information.

### **Models and Forecasting**

- Perform sophisticated analyses and develop computer models required in the statewide and metropolitan planning processes.
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- Model and analyze road systems to predict travel patterns, travel demand, geometric design, air and noise quality considerations, energy saving measures, economic impact, and system alternative analysis.
- Perform necessary technical reviews for break-in-access studies for the state and for cities and counties requesting new interchanges or modifications to existing access on limited access facilities.
- Perform necessary technical reviews for traffic impact studies as needed by the Access Management Unit.
- Conduct specialized studies and analyses, such as research on rail or other freight movements in Kansas for use in multi-modal and intermodal planning activities.

## **Comprehensive Transportation Planning**

### *Metropolitan Planning*

- Coordinate with and provide oversight to Metropolitan Planning Organization (MPO) areas and promote timely development of short-range and long-range transportation plans in accordance with the federal “3-C” (cooperative, comprehensive and continuing) transportation planning process.
- Administer and award federal funds to MPO areas in the form of a consolidated planning grant.
- Coordinate activities for various studies, including capacity studies, advance preliminary engineering studies, and major investment studies.
- Assist with coordination of air quality conformity activities and break-in-access studies in MPO areas.

### *Public Transportation Programs*

- Administer public transportation programs funded by the Federal Transit Administration and KDOT to help meet the transportation needs of elderly persons, persons with disabilities and the general public.
- Administer and coordinate public transportation projects funded with the Economic Development Set-Aside funding program.
- Advise incorporated private non-profit organizations, county governments, non-urban city governments (under 50,000 population) and Indian Nations of the availability of public transportation funds; and
- Review requests to fund programs including but not limited to the purchase of vehicles, ITS communication equipment, wheelchair lifts and restraints.
- Conduct annual site visits and vehicle inspections, monitor grantees to ensure compliance with federal and state regulations, and administer all programs related to public transportation, such as required employee drug and alcohol testing.

### *Bicycle and Pedestrian Programs*

- Select, manage, and coordinate projects for the federal Transportation Alternatives (TA) program.
  - Provide technical assistance during the review of bicycle and pedestrian related TA applications.
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- Develop and coordinate state policy on bicycle and pedestrian transportation issues and provide technical assistance statewide on bicycle and pedestrian issues.
- Provide technical assistance for the development of the Statewide Bicycle and Pedestrian Plan.

### **Rail and Freight**

- Develop and coordinate state policy on freight and rail transportation issues.
- Manage KDOT's rail and freight service programs.
- Administer and coordinate rail projects funded with the Economic Development Set-Aside funding program.
- Prepare the State Rail Plan and administer the state funded Rail Services Improvement Program that provides loans and grants to short-line railroads for track rehabilitation or acquisition.
- Administer KDOT's railroad crossing database and federally mandated updates and reporting.
- Coordinate state freight and rail activities with the Office of the Governor and other state agencies.
- Represent KDOT in American Association of State Highway Transportation Officials (AASHTO) of freight and rail activities.
- Provide motor-carrier statutory and legislation expertise pertaining to oversize and overweight motor carriers' issues while serving as liaison between KDOT and the Kansas Trucking Connection as well as other partners, such as the Kansas Motor Carriers Association, Kansas Highway Patrol, Kansas Corporation Commission and Kansas Department of Revenue.

### **Access Management**

- Coordinate access management activities and guidelines for access management.
  - Review of Highway Access Permit Applications to the State Highway System.
  - Coordinate agency review of Traffic Impact Studies for proposed developments.
  - Maintain KDOT's statewide Highway Access Database.
  - Assist the Chief Counsel in defending against lawsuits that name KDOT as a defendant in access management and property rights cases.
  - Prepare corridor management plans for selected highway corridors around the state.
  - Administer and coordinate roadway projects funded with Access Management and Economic Development set-aside programs.
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