

Metropolitan Transportation Plan (MTP) 2035 Project Application

Sponsor Information

Project Sponsor / Agency: *City of Wichita, KS*

Project Information

Project Location: City of Wichita, KS (Citywide)

To:

From:

Project Description: Citywide Wireless Mobile Networked environment.

Project Purpose: Provision of funding for operating costs and maintenance of wireless mobile network which will provide a communication backbone for transfer of data regarding: 1. The City's Transit Services ITS Project; 2. The City's Parking Management System; 3. Regional Social Agencies Transport Services. 1. The provision of a mobile environment shall provide the capability of uploading/downloading real-time data for: a. Transit Services ITS Project; b. Notification of available parking spaces; c. Integration of real-time arrival information for shuttle vehicles at Parking Lot venues; d. The potential for area social agencies to integrate with Transit Services ITS applications.

Main Project Type: Travel Demand / Systems Management

Other Project Types Included: Yes

If yes to the previous question, what other project type are included?

Road:

Rail:

Bicycle / Pedestrian:

Bridge:

Intersection:

Railroad Crossing:

Transit: Yes

Interchange:

Travel Demand / System Management:

If project occurs on a roadway what is the facility type?

Anticipated Year to Start Construction: 2020 - 2029

Is the project listed in any WAMPO or other regional plans? Yes

If yes, list the name of plan(s) and page number: Wichita Area Regional Intelligent Transportation Sy

Project Cost Information

Engineering Cost:

Annual Operating and Maintenance Cost:

\$200,000.00

Right of Way Cost:

Dedicated Funding:

No

Construction Cost:

Total Project Cost:

If yes, please provide source and amount:

Metropolitan Transportation Plan (MTP) 2035 Project Application

Measures of Effectiveness Information

All projects types were asked to completed MOEs #1 - #4. MOE #5 is for Road and Bridge; MOE #6 is for Bike / Ped; and MOE #7 is for Travel Demand / Systems Manage

1) Does the project contribute to the overall improvement of the regional transportation system? Yes

If yes, please explain: The provision of a mobile wireless environment will allow for transfer of real-time data which can be used for efficiency in planning and congestion control measures.

2) Does the project have a positive effect on air quality? Yes

If yes, please explain: The provision of a mobile wireless environment will allow for transfer of real-time data which can be used for mitigation of congestive traffic areas.

3) Does the project include facilities for, accommodate, or connect more than one mode of transportation? Yes

If yes, please explain: The provision of a mobile wireless environment will allow for the integration of real-time data between the Transit Services ITS Project and proposed Parking Management System.

4) Does the project address or help address a safety concern? Yes

If yes, please explain: The provision of a mobile wireless environment will allow for real-time location tracking and on-board system monitoring of Transit Services fixed-route and paratransit vehicles.

5) Does the project address a regional issue that is addressed in a WAMPO plan? No

If yes, please explain:

6) Is the project on a route identified in the WAMPO Regional Pathway System Plan (RPSP) and identified as a priority missing link? Does the project connect existing pathways? No

If yes, please explain:

7) Does the project address congestion and is identified in the WAMPO Congestion Management Process (CMP) and/or Intelligent Transportation Systems Regional Architecture (ITS-RA)? Yes

If yes, please explain: The provision of a mobile wireless environment will allow for transfer of real-time data resulting in a more efficient and enhanced delivery of services from Transit Services. The mobile wireless environment will also provide the means of communicating with the City's proposed Parking Management System. The mobile wireless network environment will provide a real-time integration of the communication link between the City's ITS based Transit Services and the proposed Parking Management System.

Additional Information

Additional Information: