

Metropolitan Transportation Plan (MTP) 2035 Project Application

Sponsor Information

Project Sponsor / Agency: *City of Bel Aire*

Project Information

Project Location: 45th Street North

To: Oliver

From: Greenwich

Project Description: Reconstruct 45th Street north from a two lane arterial to a four lane arterial. A new sidewalk as well as storm drain system will be included. Signalization will also be required at Greenwich, Webb, Woodlawn and Oliver with a round-about at Rock.

Project Purpose: Currently, 45th Street North from Oliver to Webb is a county standard two lane road. From Webb to Greenwich, the road is gravel. With the construction of Stucky Middle School averaging 800 students west of Oliver & 45th, Sunrise Christian Academy averaging 800 students just west of Woodlawn & 45th as well as residential growth, the need for turn lanes and better traffic flow is a current requirement. The newly constructed industrial park at 45th and west of Webb as well as the proposed 800 acre large tract industrial park along the north of 45th and east of Webb will intensify the need for four lane traffic. Four traffic signals will need to be installed at 45th & Woodlawn, 45th & Oliver, 45th & Webb, 45th & Greenwich as well as a round-about at 45th & Rock. Additionally, a bicycle/pedestrian path will need built for children walking to either school, to link the west side of Bel Aire to the east side of Bel Aire and to improve safety of general pedestrian traffic.

Main Project Type: Road

Other Project Types Included: Yes

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

Road:	Yes	Rail:		Bicycle / Pedestrian:	Yes
Bridge:		Intersection:	Yes	Railroad Crossing:	
Transit:		Interchange:		Travel Demand / System Management:	

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

Anticipated Year to Start Construction: 2010 - 2019

Is the project listed in any WAMPO or other regional plans? No

If yes, list the name of plan(s) and page number:

Project Cost Information

Engineering Cost:	\$2,000,000.00	Annual Operating and Maintenance Cost:	\$100,000.00
Right of Way Cost:	\$900,000.00	Dedicated Funding:	No
Construction Cost:	\$7,000,000.00	If yes, please provide source and amount:	
Total Project Cost:	\$9,900,000.00		

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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 Managem

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

If yes, please explain: 45th Street North serves as an open corridor from 127th Street East to Broadway. With the construction of new industrial parks in Bel Aire as well as existing industry in Park City, this corridor would improve business traffic for the northern region of the Wichita Metro. The growth of Stucky Middle School and Sunrise Christian Academy, both located along 45th, has increased traffic congestion. Children walking to schools will require increased safety precautions with signaled intersections and a bicycle/walking path.

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

If yes, please explain: Ability of students to ride bikes or walk will reduce the dependence on cars. Better signalization and traffic flow will reduce emissions from idle vehicles. A direct access for businesses located on the north side of the metro will have greater efficiencies with direct routes to utilize. The ability of workers to walk from home to their job will also reduce emissions from vehicles.

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

If yes, please explain: The pedestrian/bicycle path will link with local sidewalks and paths for better mobility of walkers/bicyclists. As new industry moves to Bel Aire, walking paths will allow workers to live and work in the same community allowing for a reduction in vehicle traffic for workers.

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

If yes, please explain: Signalization of intersections reduces the possibility of vehicle crashes as well as potential pedestrian injuries. Four lanes allows for better ingress and egress of businesses, schools and residential areas. The walking/bike path will allow more pedestrians/bicyclists to utilize a safer means rather than riding along shoulders as is currently the case.

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)? No

If yes, please explain:

Additional Information

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