

W A M P O

W I C H I T A A R E A M E T R O P O L I T A N P L A N N I N G O R G A N I Z A T I O N

Call for 2012 Transportation Planning Studies Application

Contact Information

Project Sponsor City of Haysville
Contact Name Jeana M. Morgan
Street Address PO Box 404, 200 W. Grand
City Haysville
State KS
Zip Code 67060
Phone 316-529-5900
Email jmorgan@haysville-ks.com

Proposed Project Information

(If necessary, provide additional supporting information on separate pages.)

Project Type Corridor
Project Location Meridian from 55th Street South to 95th Street South
Start Date February 2012
End Date December 2012
Project Name South Meridian Corridor Plan

Project Scope

(Please provide a detailed project scope.)

1/4 mile perimeter of South Meridian centerline from 1/4 mile north of 55th St. South to 1/8 mile south of 95th St. South. Scope includes defining the corridor vision through gather and analysis of transportation/traffic, land use and development, infrastructure, demographics and local economy. Transportation includes policy/regulation and facility design. Scope also includes project management/coordination, community involvement, plan implementation strategies, and document production.

WAMPO

WICHITA AREA METROPOLITAN PLANNING ORGANIZATION

Call for 2012 Transportation Planning Studies

Application

Funding Proposal

(If necessary, provide additional supporting information on separate pages.)

Total Project Cost

(Amount requested from WAMPO and any supplemental funding sources amounts should add up to the total project cost.)

Amount Requested from WAMPO 63,500.

Supplemental Funding Source #1

Amount provided by supplemental funding source #1

Supplemental Funding Source #2

Amount provided by supplemental funding source #2

MTP 2035 Connection

How does the proposed project advance the objectives, strategies, recommendations, and/or projects in the MTP 2035?

(Please list the specific strategies, projects, recommendations, and/or projects this project supports in your answer.)

From the roadway section of MTP: Add roadway capacity at needed locations to serve traffic growth and development. • Develop and implement comprehensive access management guidelines for arterial and collector reduce number of driveways on streets. Address long-term maintenance of the existing roadway network. Integrate bicycle, pedestrian, and transit facilities into the roadway network (see Section 6.2: Bicycle 6.3: Public Sidewalk along Bridge and Pedestrian. Improve rural roadways. roadways and Plan for growth and development and infrastructure to serve it. Improve safety on the roadways (see Section 6.6: Safety).

RECEIVED

AUG - 5 2011

W A M P O
W I C H I T A A R E A M E T R O P O L I T A N P L A N N I N G O R G A N I Z A T I O N

METROPOLITAN PLANNING
ROUTE _____
ORGANIZATION _____

Call for 2012 Transportation Planning Studies
Application

Contact Information

Project Sponsor City of Wichita
Contact Name Paul Gunzelman, PE
Street Address 455 N. Main; 7th Floor
City Wichita
State Kansas
Zip Code 67202
Phone 316-268-4393
Email PGunzelman@wichita.gov

Proposed Project Information

(If necessary, provide additional supporting information on separate pages.)

Project Type Planning/Traffic Study
Project Location Maize Road Corridor, Wichita, KS
Start Date 9/1/2011 *JAN 2012* *pt*
End Date 12/1/2011 *DEC 2012* *8/8/11*
Project Name Maize Road Corridor Study

Project Scope
(Please provide a detailed project scope.)

Please see attached Scope

W A M P O
W I C H I T A A R E A M E T R O P O L I T A N P L A N N I N G O R G A N I Z A T I O N

Call for 2012 Transportation Planning Studies
Application

Funding Proposal

(If necessary, provide additional supporting information on separate pages.)

Total Project Cost \$55,000

(Amount requested from WAMPO and any supplemental funding sources amounts should add up to the total project cost.)

Amount Requested from WAMPO \$44,000

Supplemental Funding Source #1 City of Wichita

Amount provided by supplemental funding source #1 \$11,000

Supplemental Funding Source #2

Amount provided by supplemental funding source #2

MTP 2035 Connection

How does the proposed project advance the objectives, strategies, recommendations, and/or projects in the MTP 2035?

(Please list the specific strategies, projects, recommendations, and/or projects this project supports in your answer.)

See attached cover letter

August 5, 2011

Mr. Brenton Holper
Wichita Area Metropolitan Planning Organization
455 N. Main; 10th Floor
Wichita, KS 67202

Dear Mr. Holper,

This letter is to request on behalf of the City of Wichita for WAMPO to assistance with a transportation traffic study for the intersection of U.S. 54 (Kellogg) and Maize Road in west Wichita.

Stretching from K-96 on the north to K-42 on the south, Maize Road has become an increasingly significant north-south transportation corridor in west Wichita. The Traffic Impact Study will be based on the west side development plans along the Maize Road corridor including the growing industrial area on south Maize Road adjacent to Mid-Continent Airport, the planned commercial development at Kellogg and Maize and growing commercial development along Maize Road from Maple to 21st Street.

We have prepared a Project Scope and you will find the Scope as an attachment to this letter. The estimated project budget is \$55,000. Our understanding is that the local participation amount is twenty (20) percent of the estimated budget.

Please let me know if you have any questions or if you need further information.

Respectfully,


Paul Gunzelman, PE
Traffic Engineer
City of Wichita

Kellogg and Maize Road

Traffic Study

Scope of Services

The consultant shall perform a traffic impact study of the Kellogg (US-54) and Maize Road intersection. Stretching from K-96 on the north to K-42 on the south, Maize Road has become an increasingly significant north-south transportation corridor in west Wichita. The Traffic Impact Study will be based on the west side development plans along the Maize Road corridor including the growing industrial area on south Maize Road adjacent to the airport, the planned commercial development at Kellogg and Maize and commercial development at Central and Maize Road.

The study will analyze the potential impacts on existing and future transportation system. The large amount of commercial and industrial development in the corridor has a high potential for regional demand. Traffic operational analysis will be performed to assess future needs and meet existing demand. The general study area stretches from K-42 to 21st Street on Maize Road and from I-235 to 167th Street on Highway US 54 and frontage roads. More specific analysis will be given for the Maize Road corridor on either side of Kellogg from approximately Harry Street to Maple Street ("the Project Site").

PROJECT TASKS

The study will be conducted in four (4) phases, which are listed below with a brief description of each phase.

- **Phase 100 – Data**
Data Collection, Project Kick-off
- **Phase 200 – Trip Generation**
Trip generation estimates
- **Phase 300 – Existing Conditions**
Traffic Analysis and Recommendations with Existing Conditions with and without the proposed development
- **Phase 400 – Future Conditions**
Traffic Analysis and Recommendations with Future Conditions
- **Phase 500 – Documentation**
Finalize and Document S

Phase 100 DATA

101. Collect 24-hour traffic counts from existing sources such as the City of Wichita, City of Maize and WAMPO. Additional 24-hour counts may be collected where data is missing. The counts will be collected in 15-minute intervals for a typical 7-day period. The traffic volume counts shall be summarized in tabular and graphical formats.
102. Collect A.M. and P.M. peak hour traffic volume counts at adjacent intersections (up to 10 intersections) in the site area along Maize Road and at the ramp intersections. Counts will be collected in 15-minute intervals on a typical weekday (7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m.).
103. Proposed Site or Development Plans that may affect the study will be acquired through various resources and other development intensities within the study area will be identified by city.

- 104. Collect future year daily and peak hour traffic projections from the WAMPO travel demand model. Also collect assumed model land use intensities for development land adjacent to the interchange for comparison.
- 105. Obtain the existing traffic signal timings from the City to be incorporated within the Synchro model.
- 106. Kick-Off Meeting – Meet with CLIENT to kick-off the project to preliminarily review the nearby access connections and discuss the study methodology in detail.

Phase 200 TRIP GENERATION

- 201. Using the proposed development intensities, illustrate general land use types for the ultimate trip generations.
- 202. Estimate traffic generation for the proposed developments and distribute onto the adjacent street network. Trip distribution will be estimated using the regional travel demand model as provided by WAMPO. The model results will be used to develop generalized distribution (e.g. north on Maize Road, east on US 54, etc.); internal to the study area, traffic will be distributed using manual estimates. A certain portion of trips internal to the study area will also be estimated and distributed within the study area. A factor for transit trips will be estimated and a blanket reduction factor will be applied to account for these trips.
- 203. Distribute and assign the trips generated at the site through the study intersections identified in Task 101 and illustrate those assignments.
- 204. Meet once with CLIENT to review the trip generations and compare to other similar sites operated by OWNER.

Phase 300 EXISTING CONDITIONS

- 301. Conduct A.M. and P.M. peak hour volume/capacity analyses at the study intersections listed in Task 1 for the following development scenarios:
 - Existing Conditions
 - Existing plus Proposed Development Conditions.
- 302. Operational Assessments – Evaluate the alternatives, documenting operational levels of service at the intersection. Operational analysis will be conducted using programs consistent with the Highway Capacity Manual methodology including isolated intersection analyses and micro-simulation models.
- 303. Evaluate existing access, geometrics and rights of way. Provide, if necessary, recommendations for proposed improvements and right of way acquisition.

Phase 400 FUTURE CONDITIONS

- 401. Calculate background growth from the regional travel demand model for year 2040.
- 402. Develop future year A.M. and P.M. peak hour traffic turning movement volumes at the study intersections.
- 403. Conduct A.M. and P.M. peak hour volume/capacity analyses at the study intersections listed in Task 1 for the following development scenarios:
 - Future with Proposed Development Conditions
- 404. Operational Assessments – Evaluate the alternatives, documenting operational levels of service along the project site. Operational analysis will be conducted using programs consistent with the Highway Capacity Manual methodology including isolated intersection analyses and micro-simulation models.
- 405. Evaluate future access, geometrics and rights of way. Provide, if necessary, recommendations for proposed improvements and right of way acquisition.
- 406. Meet once with CLIENT to review the recommendations for existing and future conditions.

Phase 500 DOCUMENTATION

501. Prepare the final report documenting the analyses and recommendations based on review comments received. Deliver four (4) copies of the report to CLIENT, OWNER as well as an electronically reproducible copy, pdf format only.

Schedule

For the work defined in Phases 100-500, the consultant shall complete this work within 90 business days from the Notice to Proceed.