

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
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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

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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

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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.

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Call for 2012 Transportation Planning Studies Application

Contact Information

Project Sponsor City of Wichita

Contact Name Kay Johnson

Street Address 455 North Main Street

City Wichita

State Kansas

Zip Code 67202

Phone (316) 268-4251

Email kjohnson@wichita.gov

Proposed Project Information

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

Project Type Public Engagement for projects of regional significance

Project Location Wichita MSA

Start Date January 2012

End Date No later than Dec. 2012

Project Name 2012 Wichita Regional Air Quality Improvement Program

Project Scope

(Please provide a detailed project scope.)

This project is one year of a two-year air quality improvement program. See Attachment 1 for details. Requested funds will serve as a program match for the Wichita Air Quality Improvement Program planned for 2012 and 2013 funded by WAMPO's 2011 STP Unobligated Funds but will be expended completely in 2012. The project for calendar year 2012 will begin in January and will be completed by December 2012.

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 56,828

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

Amount Requested from WAMPO \$30,000

Supplemental Funding Source #1 STP 2011 Unobligated Funds

Amount provided by supplemental funding source #1 \$26,828

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 Attachment 2.

Attachment 1

WAMPO Proposal for 2012 Transportation Planning Studies

PROJECT TITLE: Wichita Regional Voluntary Air Quality Improvement Program – 2012

Project Start Date: January, 2012

Project Duration: One year

Applicant: City of Wichita **Project Sponsor:** Kay Johnson

Total Project:	STP Fund	WAMPO 2012 Planning Studies	Total Project Cost
	\$26,828	\$30,000	\$56,828

Element 1	Hours	Total W&B	Total Expenses	Total Project Cost
Calendar Year 2012	688	\$48,208	\$8,620	\$56,828

Summary of Each Program Element:

The purpose of the Wichita Air Quality Improvement Program is to reduce air emissions attributed to ozone generation and its precursors. This project is one year of a two-year air quality improvement program. Requested funds will serve as a program match for the Wichita Air Quality Improvement Program for 2012 and 2013 funded by WAMPO's 2011 STP Unobligated Funds. To be clear, funds requested for this project will be completely expended in 2012. The project identified below is for calendar year 2012 beginning in January and will be completed by December 2012. It will require 688 hours of staff time or \$48,100 for wages and benefits and \$8,620 for expenses..

There are three program elements and these would be worked in various stages through the one calendar year period. Because of the interest and demand, the hours identified within Element 2 and 3 may be somewhat interchanged with up to 15% of the hours going to one or the other project. Both projects, however, will be fully developed and implemented during the calendar year 2012 of the identified Air Quality Improvement Program.

1) Develop and implement a regional “High Ozone Day” Public Alert System

This element consists of development and implementation of a system for predicting and communicating unhealthy air pollution periods due to high ozone levels to the public, community and media for the purposes of modifying behaviors and protecting health. Details are provided below.

Element 1	Hours	Total W&B
Calendar Year 2012	170	\$11,912

2) Develop and implement a Regional Voluntary Air Quality Improvement Program to voluntarily reduce air emissions:

Develop and implement a comprehensive outreach program for voluntary air emission reductions by working with businesses and stakeholder groups. Details are provided below.

Element 2	Hours	Total W&B

Calendar Year 2012	200	\$14,014
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3) Develop and implement a Regional Air Quality Public Education and Community Awareness Program

Develop and implement a Community Awareness/Education Plan that details actions for encouraging citizens and organizations to reduce ozone emissions through public outreach and education. Details are provided below.

Element 3	Hours	Total W&B
Calendar Year 2012	318	\$22,282

PROGRAM DETAILS

This program has three elements and they are detailed below.

1) A “High Ozone Day” Public Alert System:

Develop, implement and coordinate a “high ozone day” prediction and alert system to communicate unhealthy air pollution periods due to high ozone levels to the public and media.

- Act as regional spokesperson for media, public and government inquiries regarding “high ozone day” alert, ozone data and/or compliance status with EPA air regulations.
- Coordinate monitoring results with KDHE to determine cause of any high values relative to any follow-on actions and public announcements. For 2012
- Meet and work with KDHE, EPA, KDHE consultants to initially develop a low tech system that requires little to no additional funding; or one that is paid for and operated by KDHE.
- Work with CoW IT staff to establish system and a link on a City website to post alerts for 2012
- Develop transit options/messages for “High Ozone Alert” days and work with KDOT and County Emergency Managers as needed. – for 2012
- Develop and implement messages using Intelligent System Message Boards when traffic warrants notification. For 2012
- Track, report monthly and quarterly progress, and annually evaluate system for improvements. For 2012

170 hours

2) A Voluntary Air Emission Reduction Program

Develop and implement a voluntary community based air quality emissions reduction program to obtain reductions in air quality emissions that cause ozone pollution in the Wichita region.

- Monitor regulatory changes of NAAQS for Wichita MSA impact for changes to Emissions Reduction Program for 2012
- Develop and deliver Air Quality Improvement Toolkits individualized for five community sectors.
 - Each toolkit will be an electronic roadmap including instructions with individualized sector information including regional and state air quality information; a general air quality audit form for fleet and fueling operations, two example sector policies (fleet efficiency and idle reduction) with two or more sector-specific policy examples, an employee training guide to implement recommended policies, and example records management program to reduce and track fuel and hazardous materials consumption.
 - The five community sectors shall be designed for entities within the MSA/CSBA and are:
 - a) Local governments within the MSA/CSBA;

- b) Small businesses that are considered non-point source polluters (not intended for large industries with KDHE Air Quality Permits (large point source polluters);
- c) Businesses with a 20 vehicle fleet or greater;
- d) Local school districts, colleges, universities and institutions; and
- e) Nonprofits and faith based organizations.
- Each individual organization that applies for a sector toolkit would agree to certain conditions including:
 - a) Agree to identify vehicles owned and operated by entity,
 - b) Agree to public recognition as a Wichita Area Air Quality Improvement Program Participant; and
 - c) Agree to track and publically report fuel consumption if owns and operates 10 or more vehicles.
- Identify and offer to provide a general air quality presentation with sector toolkit information to Wichita Independent Neighborhood Organizations as well as similar neighborhood and community organizations within the region. Work with individuals and organizations that are willing to discuss steps to make ozone reductions. Some in 2012
- Work with GreenBiz Wichita and similar organizations to provide presentations and deliver tool kits to its members that fall within one of the five identified sectors to implement voluntary ozone reduction initiatives at member businesses; - Some in 2012
- Work with the regions school districts to provide presentations and deliver tool kits to its management and offer to work with a coordinator at a school district if needed. Some in 2012
- Provide an Air Quality presentation and offer toolkits to the Wichita Chamber's Visioneering Wichita - Environmental Sustainability Coalition with its purpose to establish sustainability priorities for the community including transportation, the built environment, energy efficiency as well as an air quality improvement component that is viewed as one of the most critical environmental issues impacting area health and the economy.
- Establish a voluntary Air Quality Speaker's Bureau to make general Air Quality Presentations and deploy/sign up organizations for toolkits.
 - Identify and train experienced environmental professionals and identified college students to provide the Air Quality presentation and deploy the toolkits. Some in 2012 and some in 2013
 - Schedule speaker's bureau members to make presentations and deploy the electronic toolkits.- some in 2012
 - Advertise the Speakers Bureau using social and electronic media. Some In 2012
- Will seek to participate in similar programs in other affected jurisdictions and identify at least 5 individuals within other communities to provide presentations.
- Identify local bicycle vendors within the region to establish and conduct regular bicycle safety training classes including one at each annual energy conference that falls within this workscope. Some in 2012.
- Seek out other regional organizations and stakeholders to identify and implement additional emissions reduction strategies. Some in 2012
- Work with local jurisdictions to develop fleet management programs to consider vehicle efficiency and alternative fuels programs for fleets to reduce emissions and fuel consumption. Some in 2012
- Track, report monthly and quarterly progress, and annually evaluate system for improvements.

3) An Air Pollution Public Education and Community Awareness Program.

Develop and implement a Public Education and Community Awareness Program to be utilized throughout the four-county area to the general public to obtain voluntary reductions in air quality emissions that cause ozone pollution in the Wichita region.

- Develop a community awareness/education plan that details actions for encouraging citizens and organizations to reduce ozone emissions through public outreach and education.
 1. This plan will include identification of target audiences; targeted message development and priorities; and identification of methods for delivering messages through public service announcements and commercial advertising using a variety of media outlets that will include all or some of the following; TV, radio, print, billboards, and social media,
 2. The Plan will include messages, outreach materials and potentially proposed educational curriculum for at least four stakeholder segments:
 - a) Primary and secondary school-aged students with curriculum and outreach materials targeted for certain high priority age groups within area schools.
 - b) Employees and students of local colleges and universities.
 - c) Employees of nonprofits and faith based organizations through direct delivery and/or through Nonprofit Chamber of Commerce
 - d) Employees of companies, businesses, and government agencies.
 3. Develop and implement a written plan – February, 2012; Conduct two annual Public Awareness Surveys Pre and Post Media purchase – Beginning March 6, 2012 for Pre-media implementation; Post Media Implementation Beginning: October 2012.
 4. Annual development of Public Service Announcements/spots – Radio, TV, Newspaper, Social Media;
 5. Conduct activities for annually procuring media buyer services; for 2012.
 - Proposal development and submittal for Qualified Professional Services solicitation
 - Obtain and evaluate proposals using approved policies and procedures to evaluate and select technically qualified service provider, develop contract, and obtain appropriate approvals; and
 - Coordinate and initiate media services project; evaluate and recommend invoice for payment and close out contract.
 6. The Plan will include the development and implementation of transportation related content for the Wichita Regional Energy and Sustainability Conference; a major 2-day event for businesses, local governments; educational institutions and non-profits and faith –based organizations to improve air quality, economic development, and community health. in 2012
 - Obtain speakers for the 2013 energy conference to provide a variety of presentations on air quality emission reductions due to mobile sources and topics for the conference include but are not limited to:
 - a) Fuel efficient vehicles and alternative fuel choices
 - b) Alternative community development patterns, saving, renovating; and remodeling buildings;
 - c) Increasing choices in transportation modes – promoting walking and bicycling,
 - d) Improving energy efficiency of buildings and streets (street light synchronization);

- e) National and regional trends and best management practices on improving building and street codes, improving building and construction materials, conserving resources including water, air, open spaces, etc.
 - f) Use of alternative forms of energy including but not limited to solar, wind, geothermal, batteries; hydrogen, etc.
7. The Plan will also include:
Development and production of general information on ozone formation, generation sources of ozone pre-cursors and general tips for reduction.
- What Nonattainment is and how it impacts the community
 - Rideshare initiatives coordinated by regional transit authorities;
 - Transit, bike and walking path information materials;
 - Public outreach on complete streets policy and implementation.
 - Development of additional congestion mitigation measures for public.
 - Development of Transit options/messages for high ozone day
 - Development and implementation of promotion of alternatively fuel fleets and promotions – CNG, Electric Plug In, Ethanol, etc. including work with Auto Dealers
- Develop and periodically update air quality and transportation sections on www.greenwichita to promote environmental education and idle reduction tips, programs; activities for individuals and organizations including toolkit information, applications, for various sectors including organizations participating in program.
 - Develop and utilize regular social media messages and events for program promotion
 - Monitor regulatory changes of NAAQS for Wichita MSA impact for changes to Public Education and Community Awareness Program.
 - Track, report monthly and quarterly progress, and annually evaluate system for improvements.

Due to the nature of this project, the outreach focus areas and tasks identified in this scope may need to be altered during the year. With approval, some areas may be added with others being deleted depending on the urgency of air quality issues or eligible opportunities that may arise during the year. One presentation type or focus area may be substituted for another as they are all deemed equal in priority.

ATTACHMENT 2
WAMPO 2012 Transportation Studies

Wichita Regional Air Quality Improvement Program
Advancing WAMPO MTP 2035

This program advances MTP 2035 by implementation of both short-term and long-term objectives. It also touches and utilizes some short-term and long-term MTP 2035 strategies.

The project consists of three parts, Element 1-3. They are summarized here:

Element 1, when developed and implemented, will alert the public of “high” and “potentially high” ozone days and allow individuals to adjust behaviors to fit the situation.

Element 2, when developed and implemented, will provide for the development and implementation of tools and staff contact time to work with the general public and various source emission sectors to directly reduce their air pollution emissions;

Element 3, when developed and implemented, will provide advertising and outreach to the general public about implementing individual tips to reduce air pollution emissions and to encourage and utilize other modes of transportation including biking and walking.

This advances the MTP 2035 Objectives including:

- 1) the short-term objective of “maintain air quality attainment status” by working directly with mobile and area sources to reduce their air pollution emissions due to transportation;
- 2) the short-term objective of “improve the volume/capacity ratios and travel times of congested areas identified in the CPM by working with the media to avoid high congestion day when the air quality is poor.
- 3) long-term objective of increasing the percentage of population that use alternative modes of transportation
- 4) “Notification of potentially high ozone day allows the general public and business/organizations owners and operators to modify their transportation behaviors including 1) carpooling or taking alternate routes or modes of transportation to work where the already know congestion is heavy; 2) by determining the level of ozone and possibly staying home if they have asthma or respiratory illness, 3) utilizing alert system to may recommendations about time of day to fill up vehicles when ozone is high;

This project also incorporates some MTP 2035 short-term and long-term strategies:

1. Promote the application of Intelligent Transportation System (ITS) technologies. These include such things as software and cameras to monitor how well traffic is flowing, electronic message let drivers know of congestions and crashes ahead, and electronic coordination of traffic signals. The ITS will also be used to let drivers know of ambient air ozone prediction and alerts – is it a high ozone day or not? Also air quality tips – such as filling up later in the evening can be posted on the ITS signs.
2. The federal government currently provides WAMPO with funds to address congestion and air quality
WAMPO should have a policy of only using these CMAQ funds on projects to specifically reduce congestion and/or motor vehicle emissions.
3. Increase levels of bicycling and walking.
4. Participate in special events to encourage biking and walking.
6. Conduct public outreach on one or more of the following topics: public transportation, air quality, etc.