



# MOVE 2040: Amendment #1

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## Amendment Approval

The MOVE2040 Amendment #1 was approved by the Transportation Policy Body on October 11, 2016 after the below public review and comment opportunities:

| Activity                                                                | Date                             | Location                                                                                                                                                       | Purpose                                                                                                                                                                                        |
|-------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Public Review</b>                                                    | Monday<br>August 1               | Electronic Review at<br><a href="http://www.wampo.org">www.wampo.org</a><br><br><i>Documents were available for review online or in hard copy upon request</i> | The general public, partners and stakeholders will have an opportunity to review and comment on the proposed amendments.<br><br>Comments will be accepted in person, via phone, or in writing. |
| Technical Advisory Committee (TAC)                                      | Monday<br>August 22<br>10:00 AM  | 455 N. Main - 10th floor,<br>Wichita, KS 67202                                                                                                                 | Amendment Overview Presentation                                                                                                                                                                |
| Transportation Policy Body (TPB)                                        | Tuesday<br>Sept. 13<br>3:00 PM   | 455 N. Main - 10th floor,<br>Wichita, KS 67202                                                                                                                 | Amendment Overview Presentation                                                                                                                                                                |
| <b>Advanced Public Comment Closed</b>                                   | Tuesday<br>Sept. 13<br>5:00 PM   | 455 N. Main - 10th floor,<br>Wichita, KS 67202<br>316-268-4315<br><a href="mailto:gjeff@wichita.gov">gjeff@wichita.gov</a>                                     | Comments will be accepted in person, via phone, or in writing.                                                                                                                                 |
| Technical Advisory Committee (TAC)                                      | Tuesday Sept. 26<br>10:00 AM     | 455 N. Main - 10th floor,<br>Wichita, KS 67202                                                                                                                 | TAC will take formal action on the proposed amendment.                                                                                                                                         |
| Transportation Policy Body Meeting & MOVE 2040 Amendment Public Hearing | Tuesday<br>October 11<br>3:00 PM | 271 W. Third - 2 <sup>nd</sup> Floor,<br>Wichita, KS 67202                                                                                                     | During this meeting the TPB will hold a public hearing, accepting any final comments from the public before taking formal action on the proposed amendment.                                    |

WAMPO's public participation process also satisfies Wichita Transit's public participation requirements for their Program of Projects.

No significant public comment received.

## Background

MOVE2040 recognized that conditions, projects, programs, federal and state requirements and transportation funding could undergo significant changes. These changes might occur prior to the adoption of the next metropolitan transportation plan, and included a process to amend MOVE 2040.

An amendment request may be made by any member of the Transportation Policy Body (TPB) and the Kansas Turnpike Authority (KTA). The KTA is not a member of the TPB, but is an independent authority owning and operating a transportation facility in the region. The request will be considered by the Technical Advisory Committee (TAC) that will recommend action to the TPB.

Each plan amendment for a project, program, or planning related study must:

- Demonstrate consistency with the Investment Strategy
- Have regional significance
- Include estimated costs – federal share, source of match funds
- Be consistent with MAP-21 (or the federal law in place at the time of the proposed amendments)

The TAC will use the following guidelines to evaluate amendment requests:

- Funding changes – e.g. improved project cost estimates, grant program application, new funding categories, private sector investment
- Change in project or program scope
- Government mandate or regulations
- Emergency response – severe weather damage, seismic activity related repairs, acts of God
- Project sponsor unable to provide local match or otherwise meet fiscal constraint requirements

Public input shall be solicited consistent with the WAMPO Public Participation Plan in effect at the time of the requested amendment. The TAC shall review the public input and provide a recommendation on final action to the TPB.

## Approved Amendment #1

Four requests were received to amend MOVE 2040. These were received from the city of Andover, the Kansas Department of Transportation, WAMPO, and the City of Wichita. The following is a listing of the recommended actions for the requests:

- **City of Andover:** 159<sup>th</sup> St Bridge over the KTA. This request is for a change in scope 3 lanes to 4 lanes. The estimated change in costs is less than \$10,000.
- **Kansas Department of Transportation:** North Junction Project. This request includes a change of scope – timing of the various phases of this multiyear project and the completion of the agency’s design concept for the project added two additional phases. The estimated costs – project costs during the planning horizon for the MTP are increased due to the change in phasing, the refinement of the costs for the near term and the final two phases increases the estimated to \$385,000,000.
- **WAMPO:** Air Quality Conformity. This request is to change the initiation of this program from 2019 to 2017. No changes in scope or funding amount are requested.
- **City of Wichita:** 45<sup>th</sup> St N and Hillside. This request is for a change in scope and costs. The request is to address additional turn lanes, railroad grade crossings and additional signalization beyond the current project. The additional cost is \$1,716,000. The total project cost would be \$5,350,000.

## Amendment Detail

1. City of Andover – **159<sup>th</sup> St Bridge over the Kansas Turnpike**
2. Kansas Department of Transportation – **North Junction Project**
3. City of Wichita – **45<sup>th</sup> and N Hillside**
4. WAMPO – **Air Quality Conformity**

# City of Andover

## 159th Street Bridge over the Kansas Turnpike

The application for 2017 TIP funding for the 159th St. KTA Bridge is the result of over 10 years work by the City of Andover and the Kansas Turnpike Authority. In 2008 the project was awarded a Congressional Earmark sponsored by then Congressman Todd Tiahrt. Following that award the project was selected to be included in the WAMPO long range transportation plan in the out years. As those plans have been updated the project has remained in the out years, including being in the MOVE2040 for funding in 2019-2025.

The change in scope from a proposed three-lane roadway included in the MOVE 2040 plan to a four-lane roadway is the result of dialogue between the City of Andover, our partners in the project KTA, and engineers in developing the latest cost estimate for the TIP application. Taking in to the consideration the 50-75 year lifespan of a modern bridge and the potential for traffic growth in the area the engineers recommended the design of the bridge to meet future traffic requiring a four-lane configuration was a wise investment due to the high cost of widening the bridge in the future.

Requested change in scope is consistent with the selection process used to identify the original project for the long range transportation plan. The proposed scope is consistent with the Investment Strategy and goal statements for MOVE2040.

The project cost difference with the refinement of the design is less than \$10,000.

# Kansas Department of Transportation

## North Junction Project (I-135/ I - 235 Interchange)

The Kansas Department of Transportation is requesting an amendment to the WAMPO MTP for the North Junction Project (KA-3110-01 & KA-3232-01) to revise the phasing and cost estimates. The project scope is to reconstruct the interchange of I-135, I-235, K-254 and K-96.

KDOT would like change the format in which this project is presented in the MTP. Currently the project is listed as two separate projects: the Green Phase (KA-3110-01) and the rest of the phases (KA-3232-01.) The bulk of the project (KA-3232-01) is listed in the 2035-2040 time band. As a result of discussions among WAMPO staff, KDOT, and PEC Consultants we felt the size of this project warranted a breakdown among several time bands tied together as one project. It is also very feasible that some of the project will occur beyond the timeframe of MOVE 2040 and the cost should be reflected as such.

### Background and Status

KDOT conducted a concept study in North Wichita to re-evaluate and build on the I-135/I-235 Interchange Advance Study completed in 1998. Since then, traffic has increased and many of the bridges need repair or replacement. The more recent Wichita North Junction Concept Study identified bridges that need rehabilitated and/or replaced, as well as developed a plan to improve traffic flow at existing bottlenecks, enhance safety, improve roadway geometry, and efficiently accommodate traffic through the year 2050.

KDOT's priority is to maintain the infrastructure while managing the state's transportation investments wisely. The North Junction Project is being implemented in four phases- the Green, Gold, Purple and Orange Projects.

The Green Project (Phase I) is underway to replace bridges and add continuous auxiliary lanes on I-235 combined with improvements to the Broadway Interchange. This includes the reconstruction of I-235 from east of Meridian Avenue to west of I-135 replace bridges, add continuous auxiliary lanes, improve the interchange at Broadway Avenue and construct a connector road from Seneca Street to Meridian Avenue north of I-235. The anticipated construction timeframe for this project is 2015 – 2019.

Gold Project Scope Provide a direct connection from northbound I-235 to eastbound K-96 and replace the northbound I135 to southbound I-235 loop ramp with a flyover ramp. The anticipated construction timeframe for this project is 2020 – 2024.

Orange Project Scope Reconstruct the loom ramp from westbound K-96 to southbound I-235 as a two-lane loop with improved geometry and provide an additional travel lane on southbound I-135 from K-96 to 21st Street North. The anticipated construction timeframe for this project is 2025 – 2029.

Purple Project Scope Reconstruct I-135 from 53rd Street North to north of K-96, I-235/K-254 from west of I-135 to Chisholm Creek and reconstruct the remaining ramps in the North Junction. The anticipated construction timeframe for this project is 2035 – 2040.

A draft break-in-access study has been developed for the North Junction and is planned to be submitted by the end of 2016.

As a way to maximize cost efficiencies on this project the phases have been modified and there are some minor lane configurations adjustments, which provide a good balance of investment and value while making the Gold Project (Phase 2) less expensive. Subsequently, making these changes has resulted in assigning the Orange Project (Phase 4) a higher priority than the Purple Project (Phase 3.) This project also has updated cost estimates that need to be reflected in the MTP.

This project addresses preservation and modification needs, safety and congestion at bottleneck areas. The project will be implemented in a manner that will:

- Improve infrastructure condition and reduce maintenance costs by rehabilitating or replacing aging bridges and roadways that are in poor condition
- Enhance safety by upgrading the interchange to meet current design standards and to address high crash locations within the Study Area and
- Improve traveler mobility by eliminating or reducing existing and future expected areas of congestion.

The requested change in scope is consistent with the selection process used to identify the original project for the long range transportation plan. The proposed scope is consistent with the Investment Strategy and goal statements for MOVE2040. The project cost is \$385,000,000. The individual project (phase) estimates are:

- Green Project: \$91,000,000
- Gold Project: \$89,250,000
- Orange Project: \$14,400,000
- Purple Project: \$190,350,000

The Kansas Department of Transportation has submitted a letter attesting to its financial commitment of state funding to the project.

# City of Wichita

## 45th St North & Hillside

The City of Wichita is requesting an amendment to the WAMPO MTP for the 45th St N and Hillside project. The amendment is to revise the project scope and cost estimates. The project scope is to improve the intersection to include left turn lanes and traffic signalization. The project limits will include the railroad crossing on the east and the south legs of the intersection. The west leg will include the K-254 and Hillside/45th Street off ramp. The original project scope was to improve the intersection to include left turn lanes and signalization.

The proposed changes in scope will address the following goal statements:

- **Eliminating Bottlenecks** – The improvements will widen the intersection to provide dedicated left turn lanes on all approaches. In the A.M. peak period traffic queues exiting the K-254/45th Street off ramp nearly reach mainline traffic. This is due to the two-lane approach at 45th & Hillside and competing traffic of Heights High School north of 45th Street and Koch Industries campus south of 45th Street near 37th & Hillside.
- **Safety** – Safety will be improved by the installation of traffic signals, reducing vertical grade east of the intersection to improve sight distance, and improving tow at grade railroad crossing.
- **Infrastructure Condition** – This will be improved by replacing the asphalt intersection with a concrete intersection and making drainage improvements.

The requested change in scope is consistent with the selection process used to identify the original project for the long range transportation plan. The proposed scope is consistent with the Investment Strategy and goal statements for MOVE2040.

The revised estimated project cost is \$5,350,000. This is a project increase of \$3,634,000.

# WAMPO

## Air Quality Conformity

WAMPO is requesting an amendment to change the starting year of the 2019-2025 Air Quality Conformity to 2017-2025. This change would only impact the timeframe and would have no change in scope or funding amount.

As part of the project selection process for MOVE 2040, the Project Selection Committee allocated \$1,500,000 per year for Air Quality Conformity in the 2019-2025 time band (as well as \$3,750,000 in the 2026-2040 time band). These funds are intended to help WAMPO meet its obligations to carry out the conformity process in the event that the Wichita region is designated as a non-attainment area.

The Kansas Department of Health and Environment will issue a recommendation to the Environmental Protection Agency on whether the Wichita region should be designated as a non-attainment area in late 2016. EPA will act on that recommendation in late 2017. If the Wichita region is designated as a non-attainment area WAMPO will have one year to perform the required modeling work and prepare our initial conformity determination. This work will have to be done before the money for air quality currently in MOVE 2040 becomes available in 2019.

This amendment will allow WAMPO to use these funds to perform the modeling and initial conformity determination.