



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: November 7, 2016

Re: Public Hearing for Waco Road and State Route B Intersection Improvements

## Executive Summary

Public hearing for the construction of improvements to the intersection of Waco Road and State Route B in Columbia, Missouri, as shown on the attached location map. An Interested Parties (IP) meeting for the project was held September 8, 2016 and the construction preliminary cost estimate is \$221,000.

## Discussion

The proposed improvement is located at the intersection of Waco Road and State Route B on the northeast side of the City of Columbia. The intersection is approximately 1.8 miles northeast of Highway 63. It is located within the Columbia Area Metropolitan Planning Organization and the Mid-Missouri Regional Planning Commission boundaries. Both Waco Road and Route B are classified as Minor Arterials in both the Columbia Area Transportation Study Organization (CATSO) 2030 Major Thoroughfare Plan and City Major Roadway Plan.

This section of State Route B is primarily industrial with many manufacturing companies located along the corridor, and many large trucks that use the road. This state route is also the connection between the City of Hallsville and Columbia, thus being used by many commuters as well.

Kraft Foods is located on Waco Road east of the intersection and is undergoing a large expansion in order to increase production at the plant. As part of this expansion, Kraft Foods approached the City with a concern about their trucks being able to make a left turn onto State Route B from Waco Road. They are anticipating approximately 30 to 32 trucks per day will be accessing their plant, and requested that the City work with MoDOT to improve the intersection by installing a signal and a dedicated left turn lane. In addition, both 3M and EDI, located near the intersection, have expressed a willingness to modify existing driveway access locations from full access to right in/right out/left in when the signal is installed.

The necessity of intersection improvements at Waco Road and State Route B is prompted by the safety of commuters. Currently the four (4) lanes and left turn lane on State Route B provides through movement while the two (2) lanes of Waco Road must stop. From 2011 through 2015, there have been eight (8) crashes at this intersection, with seven (7) being injury crashes.

The intersection improvements include mast arm signals, raised islands, pedestrian crosswalk, and restricted turning movements for the driveways located closest to the



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intersection. The improvement will be located within existing street right of way. Additional temporary easements may be necessary for construction of the project. Preliminary plans are included with this application. No significant environmental impacts are anticipated with this project.

Construction concept cost estimates for this project is \$221,000, and construction is currently scheduled to begin in spring, 2017. An IP meeting was held September 8, 2016; three (3) people signed in and no written comments were received. A property owner contact log is attached.

The City of Columbia submitted a traffic impact study of the intersection to MoDOT, which has conditionally been approved. Traffic crash information, traffic counts, the Kraft Foods request letter, the traffic impact study, and MoDOT's response letter are attached.

## Fiscal Impact

Short-Term Impact: The construction concept cost estimate for this project is \$221,000 and funding shall be made from 0.25% Capital Improvement Sales Tax.

Long-Term Impact: The cost of maintenance for this project is estimated at \$3,000 per year.

## Vision & Strategic Plan Impact

### Vision Impacts:

Primary Impact: Transportation, Secondary Impact: Secondary, Tertiary Impact: Environment

### Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary

### Comprehensive Plan Impacts:

Primary Impact: Mobility, Connectivity, and Accessibility, Secondary Impact: Secondary, Tertiary Impact: Tertiary

## Legislative History

Date	Action
09/08/2016	Interested Parties meeting
10/03/2016	R145-16-Setting a public hearing for construction of improvements to the intersection of Waco Road & State Route B

## Suggested Council Action

Following Council discussion and public input, Council should make a motion directing staff to proceed with plans and specifications for the project.