

Memorandum
City of Lawrence
Department of Public Works
Traffic Engineering Division

TO: Charles Soules, Director of Public Works
FROM: David Woosley, Transportation/Traffic Engineer
CC: David Cronin, City Engineer
Date: 27 July 2012
RE: 7 August 2012 City Commission Agenda Item
Accept FY 2014-2015 Federal-Aid HSIP Funds from KDOT

Background

The Federal-Aid Highway Safety Improvement Program (HSIP) Funds is a federal program administered by the Kansas Department of Transportation (KDOT). Under this program, funding is made available to local communities for construction of safety improvements on highways and local streets. The program is competitive and award decisions are made based on life-cycle cost-benefit analysis of the proposed improvement measures. This is a 90/10 cost sharing program to pay for the construction cost of safety improvements; 90% Federal-Aid and 10% local match. The local entity is also responsible for 100% of the cost of engineering design and other miscellaneous expenses.

In May of this year city staff submitted application for Federal-Aid HSIP Funds for the following improvements:

1. 9th Street & Kentucky Street; reconstruct traffic signal in order to provide longer mast-arms and additional traffic signal indications.
2. 9th Street, Emery-Michigan; widen 9th Street to provide a two-way left-turn lane between Emery Road & Michigan Street and modify traffic signal at 9th Street & Emery Road as needed.

On July 24, we received a letter from KDOT (attached) offering Federal-Aid HSIP Funding for both of these projects. These funds will cover 90% the costs of construction and construction engineering (inspection) with a 10% match from the City.

Project Cost/Funding

1. 9th Street & Kentucky Street; crash analysis indicates that the existing traffic signal (built in the 1970's) needs to be reconstructed to provide longer mast-arms and additional traffic signal indications.

Federal-Aid HSIP Funds (90%)	\$200,000 (maximum)
City match (10%)	\$20,000
Total Estimated Construction Cost	\$220,000

Engineering Design and Construction plans will be done in-house by city staff.

2. Widen 9th Street; crash analysis indicates that a left-turn lane for eastbound traffic on 9th Street is needed at Michigan Street; however, due to the close proximity of Emery Road, it is necessary to extend the left-turn lane to Emery Road for westbound traffic.

Federal-Aid HSIP Funds (90%)	\$500,000 (maximum)
City match (10%)	\$50,000
Total Estimated Construction Cost	\$550,000

Engineering Design and Construction plans will be done in-house by city staff.

Project Schedule

1. 9th Street & Kentucky Street; Engineering Design and Construction plans complete by June 2013, Construction in fall of 2013.
2. Widen 9th Street; Engineering Design and Construction plans complete by March 2014, Construction in summer of 2014.

Action Request

1. If appropriate, accept Federal-Aid HSIP Funds (FY2014-2015) in the amount of \$200,000 and allocate \$20,000 as the City's match to reconstruct the traffic signal at 9th Street & Kentucky Street; the City's match to be paid from the Capital Improvement Reserve Fund.
2. If appropriate, accept Federal-Aid HSIP Funds (FY2014-2015) in the amount of \$500,000 and allocate \$50,000 as the City's match to widen 9th Street between Emery Road & Michigan Street and modify traffic signals as needed; the City's match to be paid from the Capital Improvement Reserve Fund.

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Topeka, KS 66603-3745

Mike King, Secretary
Michael D Floberg, P.E., Chief



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Sam Brownback, Governor

July 24, 2012

David Woosley, P.E.
City of Lawrence, Department of Public Works
PO Box 708
Lawrence, KS 66044-0708

Dear Mr. Woosley:

The Bureau of Transportation, Safety, and Technology has considered locations eligible for federal-aid HSIP funding for fiscal years 2014 and 2015 (October 2013 through September 2015). The table below lists the project and the amount of federal funding being offered to the city.

INTERSECTION	SCOPE	FUNDING
9 th Street from Emery to Michigan	<ul style="list-style-type: none">Widen 9th Street to provide left turn/center two way turn (necessary matching of existing sidewalk expected; possible modification to signal at Emery may be needed)	\$500,000 (max)
9 th St. & Kentucky St	<ul style="list-style-type: none">Install new signal system (longer mast arms, necessary signal heads per lane, pedestrian heads, and upgraded sidewalk ramps)	\$200,000 (max)

The project selected will be funded utilizing federal-aid HSIP funds, with a 90% federal/10% city split in funding. The funding offered is the maximum amount for the project and will only cover the costs of construction and construction engineering (inspection).

In addition to 10% of the costs of construction and construction engineering, the city will be responsible for the following:

- Acquiring all necessary right-of-way in accordance with federal-aid procedures.
- Initiating all utility adjustments, both for the facilitation of construction and for the benefit of traffic safety.
- Preparing the project plans in accordance with KDOT standard specifications in English units.
- 100% of the costs exceeding the maximum amount of federal funds.

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If you have concerns about the scope of the project offered, please contact me so we can come to some understanding and agreement. Please inform me of the city's decision to accept or not accept this project and propose a letting date by August 24, 2012. If the city accepts the project, an engineer from this bureau will be assigned the project and will contact you to discuss project scheduling. Please understand we are trying to keep projects on schedule so monies can be utilized within federal fiscal years.

We appreciate the city's interest in this program. If there are any questions, please call me at 785-296-1181 or email at gower@ksdot.org

Sincerely,

A handwritten signature in black ink that reads "Brian D. Gower". The signature is written in a cursive style with a large, stylized "B" and "G".

Brian D. Gower, P.E.
State Traffic Engineer

BDG: cg

c: Clay Adams, P.E. – District Engineer (Topeka)
Steve Baalman, P.E. – Area Engineer (Osage City)