



CITY OF URBANA, ILLINOIS
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

MEMORANDUM

TO: Mayor Laurel L. Prussing and Members of the City Council
FROM: William R. Gray, Public Works Director
Gale L. Jamison, Assistant City Engineer
Bradley M. Bennett, Senior Civil Engineer
DATE: September 19, 2013
RE: Florida Avenue and Philo Road Traffic Signal Replacement Project
Resolution for Improvement by Municipality under Illinois Highway Code

Action Requested

Approval authorizing the mayor and clerk to sign the Resolution for Improvement by Municipality under the Illinois Highway Code for increased funding for the Florida Avenue and Philo Road Traffic Signal Replacement Project.

Background and Facts

The traffic signals at Florida Avenue and Philo Road are 35 years old and have reached the end of their service life. Additionally, as result of implementing a road diet including bike lanes on Philo Road and Florida Avenue, the traffic signal heads are no longer aligned with the travel lanes for the intersection. Based on these conditions the Engineering Division is recommending the replacement of the traffic signals at Florida Avenue and Philo Road. In addition intersection curb bumpouts will be installed to shorten the pedestrian crossing distance and new streetlights will be installed to light the intersection.

The Public Works Department opened bids on Friday, September 6, 2013 for the Traffic Signal Replacement Project and received one bid from Champaign Signal and Lighting (CS&L) for \$370,836.80 to construct the project. The City Council passed Resolution #2012-07-054R on July 30, 2012 authorizing \$240,000 from State Motor Fuel Tax (SMFT) Funds to finance the project. Project costs for the traffic signal project, including engineering design services, total \$450,000 as shown in the table below.

Florida Avenue and Philo Road Traffic Signal Replacement Project Costs

Description	Cost
Phase 1 Preliminary Engineering Design Fees	\$26,500
Phase 2 Engineering Design Fees	\$31,100
Construction Phase Engineering Fees	\$1,300
Construction Costs – CS&L Bid	\$370,836.80
5% Project Contingency	\$20,263.20
Total Signal Replacement Costs	\$450,000
Additional Appropriation	\$210,000

An additional appropriation of \$210,000 of SMFT funds is needed to construct the project.

The \$240,000 budgeted in the Capital Improvement Plan for the Florida Avenue and Philo Road Traffic Signal Replacement Project did not include the \$58,900 in engineering design fees. Due to staff workload levels in the Engineering Division the design of the traffic signal improvements project was outsourced to an engineering consulting firm. The original preliminary budget amount established in 2012 after a modern roundabout study was performed also did not account for bike detection equipment, curb bump outs with sidewalk replacement to improve pedestrian safety, and temporarily utilizing the existing signal equipment at the intersection while the new signals are constructed.

Financial Impact

An additional appropriation of \$210,000 from the SMFT funds is needed for the Florida Avenue and Philo Road Traffic Signal Replacement Project. Sufficient SMFT funds are included in the 2013-2014 budget for the additional appropriation required for the Florida Avenue and Philo Road Traffic Signal Replacement Project.

Recommendations

It is recommended that the resolution authorizing the mayor and clerk to sign the Resolution for Improvement by Municipality under Illinois Highway Code for the additional appropriation for the Florida Avenue and Philo Road Traffic Signal Replacement Project be approved.

Attachments:

Resolution for Improvement by Municipality under the Illinois Highway Code



BE IT RESOLVED, by the City Council of the
City of Urbana Illinois
Council or President and Board of Trustees
City, Town or Village

that the following described street(s) be improved under the Illinois Highway Code:

Name of Thoroughfare	Route	From	To
Philo Road and Florida Avenue	FAU 7185	Interesection of FAU 7185	Intersection of FAU 7138

BE IT FURTHER RESOLVED,

1. That the proposed improvement shall consist of Engineering design and construction of replacement traffic signals for the intersection of FAU 7185 (Philo Road) and FAU 7138 (Florida Avenue).

and shall be constructed _____ wide
and be designated as Section 12-00523-00-TL

2. That there is hereby appropriated the (additional Yes No) sum of Two Hundred One Thousand
Dollars (\$210,000.00) for the
improvement of said section from the municipality's allotment of Motor Fuel Tax funds.

3. That work shall be done by Construction Contract ; and,
Specify Contract or Day Labor

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit two certified copies of this resolution to the district office of the Department of Transportation.

Approved _____

Date _____

Department of Transportation

Regional Engineer _____

I, Phyllis D. Clark Clerk in and for the
City of Urbana
City, Town or Village
County of Champaign , hereby certify the
foregoing to be a true, perfect and complete copy of a resolution adopted
by the City Council
Council or President and Board of Trustees
at a meeting on _____
Date
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this
_____ day of _____
(SEAL)

City, Town, or Village Clerk