

LRB – RESEARCH AND ANALYSIS SECTION

PUBLIC WORKS COMMITTEE

ITEM 20, FILE 051664

APRIL 26, 2006

ANGELYN WARD

File #051644 is a substitute resolution authorizing the Commissioner of Public Works to install traffic control improvements in conjunction with a Hazard Elimination Safety Grant for the intersection of South Layton Boulevard (STH 57) and West National Avenue (STH 59) in the 8th Aldermanic District with an estimated cost of \$32,582 with an estimated City Share of \$3,258.21.

BACKGROUND AND DISCUSSION

1. This substitute resolution authorizes the Commissioner of Public Works to install traffic control improvements at the intersection of South Layton Boulevard (STH 57) and West National Avenue (STH 59) at a total estimate cost of \$32,582.06, with an estimated City share of \$3,258.21. The Surface Transportation Program (STP) provides cost participation for the construction of traffic control improvements with Federal Highway Safety Funds under the 2006 Hazard Elimination Safety (HES) Program.
2. Common Council File #051255, adopted February 7, 2006, approved preliminary engineering for traffic control improvements at this intersection. A safety audit was conducted at the intersection of South Layton Boulevard and West National Avenue under the Roadway Improvement Demonstration Program sponsored by the American Automobile Association (AAA). The audit found a high number of rear end, angle, left turn and pedestrian-related crashes. The proposed improvements, based on the audit, include installing Walk/Don't Walk LED housings and countdown timers; modifying medians – shortening noses, partial closing; installing left signal housing for EB and WB vehicles; upgrading all signal housings to 12” LED lenses; installing overhead mast arm mounted signals in the WB and SB directions; installing reflective back plates on all far side and overhead signals; and other improvements. The total estimate cost for design and construction is \$132,998 with a breakdown of the following:

Cost Estimate

	Total Est. Cost	Federal Funds	% Share	Municipal Funds	% Share
Design	\$17,348.00	\$15,613.20	90%	\$1,734.80	10%
Construction	\$115,650.00	\$104,085.00	90%	\$11,565.00	10%
Total Project Estimate	\$132,998.00	\$119,698.20		\$13,299.80	

3. In this resolution, the total estimated cost for the portion of the project dealing with traffic signal modifications and construction of minor median island modifications is \$32,582.06, with \$29,323.85, 90%, provided by the HES grant and \$3,258.21, 10%, provided by the City.
4. According to the construction agreement, the approximate start date is July 2006, completion by December 2007.

FISCAL IMPACT

1. The estimated cost to install traffic control improvements at the intersection of South Layton Boulevard (STH 57) and West National Avenue (STH 59) through the Hazard Elimination Safety Grant is \$32,582.06 with the grantor share providing \$29,323.85, 90%, and the City share is \$3,258.21, 10%.
2. The City funding is through the 2006 capital improvements fund, the Paving Program-Street Reconstruction-City Contribution to State and Federally Aided Projects.

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