



# CITY OF CONCORD

## REPORT TO THE MAYOR AND CITY COUNCIL

**FROM:** Edward L. Roberge, PE, City Engineer

**DATE:** October 30, 2016

**SUBJECT:** Resolution appropriating the sum of \$375,000 in Traffic Impact Fee funds for the construction of the Exit 16/Mountain Road/Shawmut Street Roundabout Improvement Project (CIP #24).

### **Recommendation**

Accept this report and set the attached resolution appropriating the sum of \$375,000 in Traffic Impact Fee funds for the construction of the Exit 16/Mountain Road/Shawmut Street Roundabout Improvement Project for a public hearing on December 12, 2016.

### **Background**

As part of the FY2016 Capital Improvement Program (CIP), City Council appropriated funds for the design and construction of a roundabout at the intersection of Exit 16, Mountain Road, and Shawmut Street. Based on recent qualified contractor bid pricing, additional funding is required to complete the construction of this project.

### **Discussion**

Following approval of the roundabout project in the FY2016 CIP work plan, CMA Engineers, Inc. and subconsultants RTE (Roundabouts & Traffic Engineering) and Ironwood Design Group (landscape design) were engaged by the city to develop construction plans and contract documents for the project. As part of the City's project review process, a well-attended public information meeting was hosted by Engineering staff where interested parties were invited to participate in a final design group to complete the development of the roundabout design. Nine members of the public attended five project review meetings where elements of the design including roundabout layout, drainage, lighting, landscaping, and signage elements were refined into the final design. The public participants were Mark Ciborowski, Lynn Woodard, Sue Barry, Suzanne Smith Myer, Bob Johnson, Sharon Silva, Ryan Young, Floyd Hayes, and Dale Murphy. The project documents were advertised for bid in August 2016.

Three (3) bids were received and opened on October 21<sup>st</sup>. Bid documents were developed to separate the roundabout construction costs from streetscape/landscaping costs. While roundabout intersection construction costs are generally comparable to the anticipated construction costs planned in the CIP (\$868,550.60), streetscape/landscaping costs added \$214,871.00 to the overall project costs. Most of the streetscape/landscaping elements were developed with the neighborhood group and are considered quite important.

While the apparent low bid was less than the Engineer’s Opinion of Cost, it is still higher than that appropriated for this project. Below is a summary of project costs and fund needs.

Appropriated Funds:	CIP24 (FY2016)	\$895,712.00
	CIP91 (FY2017)	<u>\$ 50,000.00</u>
		\$945,712.00
Anticipated Costs:	Design	\$120,000.00
	Project Administration	\$ 5,000.00
	Construction	\$770,712.00
	Construction Inspection	<u>\$ 50,000.00</u>
		\$945,712.00
Proposed (Actual) Costs:	Design	\$ 142,632.94
	Project Administration	\$ 5,000.00
	Construction	\$1,083,354.00
	Construction Inspection	<u>\$ 50,000.00</u>
		\$1,280,986.94
	Difference (Funds Needed):	\$ 335,274.94
	Contingency (3%):	<u>\$ 39,725.06</u>
		\$ 375,000.00

**Total Difference: \$ 375,000.00**

**Recommendation**

It is recommended that City Council accept this report and set the attached resolution appropriating the sum of \$375,000 in Traffic Impact Fee funds for the construction of the Exit 16/Mountain Road/Shawmut Street Roundabout Improvement Project for a public hearing on December 12, 2016. Per Section 37 of the City Charter, a 2/3 affirmative vote by Council would be required to approve this appropriation.