

#11, 126TH ST/US 4 (2ND AVE) ROUNDBABOUT

LOCATION: City of Troy, Rensselaer County DESCRIPTION: Replace existing traffic signal at 126 th /US 4 with a single lane roundabout including streetscape improvements and crosswalks PROJECT TYPE: Intersection/Roundabout/Queue Jumper COST: \$ 1.17M (total all phases) LIFE: 20 yr SPONSOR: City of Troy CURRENT CONDITION: Signalized intersection FUNCTIONAL CLASS: Principal Urban Arterial AADT: 12,750 PRIORITY NETWORK(S): Transit, Bike/Ped, Access Management	<table> <tr> <td>BENEFIT/COST RATIO</td><td>2.9</td></tr> <tr> <td>TOTAL BENEFITS (k\$/yr)</td><td>\$ 301</td></tr> <tr> <td>SAFETY</td><td>\$47</td></tr> <tr> <td>TRAVEL TIME</td><td>\$222</td></tr> <tr> <td>ENERGY/USER</td><td>\$31</td></tr> <tr> <td>LIFE CYCLE VALUE</td><td>\$0</td></tr> <tr> <td>OTHER</td><td>\$0</td></tr> <tr> <td>ANNUALIZED COST (k\$/yr)</td><td>\$102</td></tr> </table>	BENEFIT/COST RATIO	2.9	TOTAL BENEFITS (k\$/yr)	\$ 301	SAFETY	\$47	TRAVEL TIME	\$222	ENERGY/USER	\$31	LIFE CYCLE VALUE	\$0	OTHER	\$0	ANNUALIZED COST (k\$/yr)	\$102
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CONGESTION RELIEF: Would improve traffic flow and reduce delay.

AIR QUALITY BENEFIT: : An average annual reduction of 149 KG of volatile organic compounds emissions and 51 KG of nitrogen oxides are estimated to result from this project.

REGIONAL SYSTEM LINKAGE: Would reduce congestion, minimize delay and conflicts and increase bike/ped safety

LAND USE COMPATIBILITY (PLANNED OR EXISTING): Consistent with New Visions 2030 congestion management principles

COMMUNITY OR ECONOMIC DEVELOPMENT: Project would enhance the function and appearance of the intersection to support community/economic development initiatives

ENVIRONMENTAL ISSUES: Within .25 mile of a water feature, several 100 year flood plains, an aquifer, a National Historic Register District, and Class 1 & 2 Soils

BUSINESS OR HOUSING DISLOCATIONS: None Anticipated

BICYCLING: Secondary Objective

WALKING: Secondary Objective

GOODS MOVEMENT: No

TRANSIT USE: Improved access to nearby bus shelter

INTERMODAL TRANSFERS: None

SCREENING ISSUES: None

OTHER CONSIDERATIONS: Approx 0.04 acres of ROW will be purchased