

#57, RTE 50/FREEMANS BRIDGE ROAD ROUNDABOUT: TOWN OF GLENVILLE

<p>LOCATION: NY 50 at Freemans Bridge Road DESCRIPTION: Installation of a two lane roundabout with sidewalks, crosswalks, shoulders, raised medians, new curbing and drainage structures CATEGORY: Congestion Management COST: \$2.97M LIFE: 20 years SPONSOR: Town of Glenville CURRENT CONDITION: NY 50: 8, Freemans Bridge Rd: 7 FUNCTIONAL CLASS: NY 50/Freemans Bridge: Principal Urban Arterial; Worden/Airport: Urban Local, NY 50: NHS AADT: Freemans Bridge: 16,100, NY 50 North: 19,400, NY 50 South: 16,700, Worden: 2,700 ON PRIORITY NETWORK(S): Bike/ped, Access Management, ITS, Transit, Freight</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;">BENEFIT/COST RATIO</td> <td style="text-align: right;">5.4</td> </tr> <tr> <td>TOTAL BENEFITS (\$k/yr)</td> <td style="text-align: right;">\$1,400</td> </tr> <tr> <td>SAFETY</td> <td style="text-align: right;">\$115</td> </tr> <tr> <td>TRAVEL TIME</td> <td style="text-align: right;">\$836</td> </tr> <tr> <td>OPERATING/ENERGY*</td> <td style="text-align: right;">\$449</td> </tr> <tr> <td>ENERGY/USER</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>LIFE CYCLE VALUE</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>OTHER</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>ANNUALIZED COST (\$k/yr)</td> <td style="text-align: right;">\$259</td> </tr> </table> <p style="font-size: small;">*includes gasoline usage and ownership costs</p>	BENEFIT/COST RATIO	5.4	TOTAL BENEFITS (\$k/yr)	\$1,400	SAFETY	\$115	TRAVEL TIME	\$836	OPERATING/ENERGY*	\$449	ENERGY/USER	\$0	LIFE CYCLE VALUE	\$0	OTHER	\$0	ANNUALIZED COST (\$k/yr)	\$259
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CONGESTION RELIEF: Excess delay reduced by 28 hours/day.
AIR QUALITY BENEFIT: Volatile organic compounds reduced by 50 KG/year and NOx reduced by 121 KG/year.
ENVIRONMENTAL MITIGATION: Within 0.25 miles of several water features, an aquifer, 100 year Flood Plain, in-use farmland and an ag district
REGIONAL SYSTEM LINKAGE: Route 50 is an important NHS north/south corridor connecting Schenectady and Saratoga Counties.

LAND USE COMPATIBILITY (PLANNED OR EXISTING): Freemans Bridge Road Master Plan
CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT: Will facilitate retail development in the corridor.
ENVIRONMENTAL JUSTICE: Minority
BUSINESS OR HOUSING DISLOCATIONS: Not directly. A Parking lot on the corner of NY 50/Airport Rd will have a minimal reduction in parking spaces for two businesses. Additional ROW will be required.

<p>FACILITATES: BICYCLING – Not directly WALKING – Y: Sidewalks, crosswalks</p>	<p>TRANSIT USE – Y: Ped improvements GOODS MOVEMENT – Not Directly INTERMODAL TRANSFERS – Y: Transit/ped</p>
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SPONSOR PRIORITY: High
SCREENING ISSUES: None
OTHER CONSIDERATIONS: Intersection is under NYSDOT jurisdiction. Coordination on the project will be essential.