

Freeman's Bridge Road (NYS 911F) – Saratoga Road (NYS Route 50) Thomas Corners Roundabout**PROJECT TYPE: Other (Traffic Signal)**

PROJECT LOCATION(S): Freeman's Bridge Road (NYS Route 911F) – Saratoga Road (NYS Route 50) between Worden Road and Airport Road, Town of Glenville, Schenectady County

SPONSOR(S): Town of Glenville

FACILITY OWNER(S): NYSDOT

DESCRIPTION: The project proposes to replace the signalized intersection with a roundabout. Safety improvements are needed because of the incidence of crashes at this intersection and the lack of provisions of adequate facilities for pedestrians, bicyclists and transit. The proposed roundabout is also needed to reduce congestion at this intersection, provide air quality improvements anticipated from less idling engines, improve water quality through the reduction in quantity and improvement of quality through provision of green infrastructure to treat and reduce stormwater runoff generated at this intersection.

COST (INCLUDES MATCH): \$3.368

DESIGN LIFE OF PROPOSED PROJECT (YEARS): 20

CURRENT CONDITION: N/A

NHS AND FUNCTIONAL CLASS (IF APPLICABLE): On NHS, Classified as 14 - Principal Urban Arterial Other

ANNUAL FACILITY VALUE: N/A

TRAFFIC OR OTHER VOLUME DATA (IF APPLICABLE): NY 50 S. of Freemans Bridge Rd = 11,525, NY 50 N. of Freemans Bridge Rd = 20,767, Freemans Bridge Rd = 11,073 (NYSDOT Traffic Data Viewer, 2013)

PROJECT TOTAL SCORE (UP TO 100 POINTS)	15.1
MERIT CATEGORY SCORE SCALED *	10.5
B/C RATIO SCALED	4.6

*See page 2 for individual merit category scores.

BENEFIT/COST RATIO (CALCULATED)	4.6
Total Benefits (\$1,000's/Year)	1,357
Safety	72
Travel Time	836
Operating	449
User Cost	0
Facility Life	0
Annualized Cost (\$1,000's/Year)	294

FUND SOURCE ELIGIBILITY: NHPP, STP Flex and STP Urban

BIKE/PED ADVISORY COMMITTEE COMMENTS: Project is in a Tier 1 pedestrian district and notes ADA accommodations will be incorporated into design. Other pedestrian improvements are not mentioned nor are bicycle infrastructure improvements.

SPONSOR PRIORITY: 1

OTHER CONSIDERATIONS: None.

ELIGIBILITY ISSUES: None identified.

MERIT CATEGORIES		NUMERIC VALUES			SCORE
REGIONAL BENEFIT (5 POINTS POSSIBLE)					
Benefit beyond project to transportation system or quality region	SCORE	-2	to	+5	1
	SUBTOTAL	-2	to	+5	1
COMMUNITY QUALITY OF LIFE & EQUITY (10 POINTS POSSIBLE)					
Land Use Compatibility	SCORE	-1	to	+3	1
Smart Growth	SCORE	-1	to	+3	-1
Environmental Justice	SCORE	-1	to	+2	0
Accessibility / ADA / Universal Design/Human Services Transport	SCORE	-1	to	+2	1
	SUBTOTAL	-4	to	+10	1
APPROPRIATE INFRASTRUCTURE (10 POINTS POSSIBLE)					
Preservation/Renewal of Existing	SCORE	-2	to	+5	0
Complete Streets	SCORE	-2	to	+5	1
	SUBTOTAL	-4	to	+10	1
MULTI-MODALISM (10 POINTS POSSIBLE)					
Transit	SCORE	-2	to	+5	0
Pedestrian	SCORE	-1	to	+3	3
Bicycle	SCORE	-1	to	+2	0
	SUBTOTAL	-4	to	+10	3
ENVIRONMENT & HEALTH (8 POINTS POSSIBLE)					
Sensitive Area Preservation/Mitigation	SCORE	-1	to	+2	1
Greenhouse Gas Emissions Reduction	SCORE	-1	to	+2	0
Alternative Fuels Support	SCORE	-1	to	+2	0
Other Health Benefit	SCORE	-1	to	+2	1
	SUBTOTAL	-4	to	+8	2
ECONOMIC DEVELOPMENT (5 POINTS POSSIBLE)					
Economic Impact	SCORE	-2	to	+5	1
	SUBTOTAL	-2	to	+5	1
SAFETY & SECURITY (5 POINTS POSSIBLE)					
Additional Safety Benefit Beyond Crash History	SCORE	-1	to	+3	1
Security and Resiliency to Natural Hazards and Human Caused Events	SCORE	-1	to	+2	0
	SUBTOTAL	-2	to	+5	1
OPERATIONS & TECHNOLOGY (5 POINTS POSSIBLE)					
Traffic Operations & Reliability Improvements	SCORE	-1	to	+3	3
Use of Beneficent Advanced Technologies	SCORE	-1	to	+2	0
	SUBTOTAL	-2	to	+5	3
FREIGHT (5 POINTS POSSIBLE)					
Freight and Goods Movement	SCORE	-2	to	+5	1
	SUBTOTAL	-2	to	+5	1
INNOVATION (2 POINTS POSSIBLE)					
Innovative Solutions	SCORE	0	to	+2	0
	SUBTOTAL	0	to	+2	0
PROJECT DELIVERY (2 POINTS POSSIBLE)					
On Schedule/On Budget	SCORE	-2	to	+2	0
	SUBTOTAL	-2	to	+2	0
PROJECT MERIT CATEGORY SUB TOTAL (calculated)	SUBTOTAL	-28	to	+67	14