

#46 (A605/R344) NY 378 Troy Menands Bridge Replacement Study



NY 378 over Hudson River
Town of Colonie to City of Troy,
Albany and Rensselaer Counties

Total Score = A+B (100 Points Max)	9.3
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A. Benefit/Cost Ratio Total (50 point cap)	N/A
Benefit/Cost Ratio Subtotal	0.0
Total Benefits (\$1,000/Year)	0.0
Facility Life	0.0
Mobility	0.0
Safety	0.0
User Cost	0.0
Annualized Cost (\$1,000/Year)	N/A

B. Merit Category Score (Scaled to 50 Points)	9.3
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CDTC Project Category: Other

Sponsor: NYSDOT

Sponsor Priority: 3 in Bridge Category

Total Cost: \$0.433 M (includes match and inflation)

Bridge BIN: 1062850

CDTC Calculated Existing Bridge Rating: 4.4

Bridge Condition: Functionally Obsolete

Proposed Bridge Design Life: 75 years when built

Detailed Description: Bridge Replacement Study. Evaluate options to relocate the bridge at a to be determined location most likely south of the current location, potentially allowing traffic to exit onto US 4 in the vicinity of Hudson Valley Community College. The existing pedestrian and bicycle accommodations will be evaluated as part of the alternatives.

Roadway Functional Classification: NY 378 is a National Highway System facility and is a Principal Urban Arterial Expressway.

Federal Fund Source Eligibility: National Highway Preservation Program, Surface Transportation Program

Transportation Considerations:

Walking: In CDTC Tier 1 Pedestrian District but project has no commitment to ped facilities.

Biking: On CDTC bike network, no significant improvements for bicyclists.

Transit: Does not add, upgrade, or remove transit components

Motor Vehicles/Freight: Roadway traffic volume averages 37,620 vehicles per day. Project is located on a NYSDOT designated Qualifying and/or Access Highway and provides access to the CDTC Freight Priority Network. Project addresses a recommendation from the CDTC Freight Plan (2016); maintain a state-of-good-repair to preserve travel time and/or reliability on the Freight Priority Network (I-787).

Other Considerations: Funding is requested for a Planning and Environmental Linkage (PEL) Study. PEL studies can utilize federal funds without a 10-year rule of delivering construction authorization. NYSDOT is not proposing to replace the bridge at this time. Project is in an Environmental Justice Area.

Advisory Committee Comments: None noted.

MERIT CATEGORIES	NUMERIC VALUES	SCORE
COMMUNITY QUALITY OF LIFE & EQUITY (10 POINTS POSSIBLE)		
Land Use Compatability	SCORE -1 to +3	1
Smart Growth	SCORE -1 to +3	2
Environmental Justice	SCORE -1 to +2	-1
Accessibility / ADA / Universal Design/Human Services Transport	SCORE -1 to +2	0
	SUBTOTAL -4 to +10	2
APPROPRIATE INFRASTRUCTURE (10 POINTS POSSIBLE)		
Preservation/Renewal of Existing	SCORE -2 to +5	3
Complete Streets	SCORE -2 to +5	0
	SUBTOTAL -4 to +10	3
MULTI-MODALISM (10 POINTS POSSIBLE)		
Transit	SCORE -2 to +5	0
Pedestrian	SCORE -1 to +3	0
Bicycle	SCORE -1 to +2	0
	SUBTOTAL -4 to +10	0
ENVIRONMENT & HEALTH (8 POINTS POSSIBLE)		
Sensitive Area Protection/Mitigation	SCORE -1 to +2	0
Greenhouse Gas Emissions Reduction	SCORE -1 to +2	-1
Alternative Fuels Support	SCORE -1 to +2	0
Other Environmental/Health Benefit	SCORE -1 to +2	0
	SUBTOTAL -4 to +8	-1
REGIONAL BENEFIT (5 POINTS POSSIBLE)		
Benefit beyond project to transportation system or quality region	SCORE -2 to +5	2
	SUBTOTAL -2 to +5	2
ECONOMIC DEVELOPMENT (5 POINTS POSSIBLE)		
Economic Impact	SCORE -2 to +5	3
	SUBTOTAL -2 to +5	3
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	0
Use of Beneficial Advanced Technologies	SCORE -1 to +2	0
	SUBTOTAL -2 to +5	0
FREIGHT (5 POINTS POSSIBLE)		
Freight and Goods Movement	SCORE -2 to +5	1
	SUBTOTAL -2 to +5	1
PERFORMANCE (3 POINTS POSSIBLE)		
Anticipated Effect on all Performance Targets	SCORE -1 to +3	1
	SUBTOTAL -1 to +3	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	1
	SUBTOTAL -2 to +2	1
PROJECT MERIT CATEGORY SUB TOTAL		
Total from Line Items Above	SUBTOTAL -29 to +70	13
Scaled to 50 points		9.3