

#98 (S263) Sunnyside Road Bridge



Sunnyside Road Bridge
Village of Scotia, Schenectady County

Total Score = A+B (100 Points Max)	26.2
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A. Benefit/Cost Ratio Total (50 point cap)	16.2
Benefit/Cost Ratio Subtotal	16.2
Total Benefits (\$1,000/Year)	4,713.4
Facility Life	4,713.4
Mobility	0.0
Safety	0.0
User Cost	0.0
Annualized Cost (\$1,000/Year)	291.6

B. Merit Category Score (Scaled to 50 Points)	10.0
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CDTC Project Category: Bridge Preservation

Sponsor: Village of Scotia

Sponsor Priority: 1 in Bridge Category

Total Cost: \$4.798 M (includes match and inflation)

Bridge BIN: 2257170

CDTC Calculated Existing Bridge Rating: 4.3

Bridge Condition: Structurally Deficient

Proposed Bridge Design Life: 75

Detailed Description: Major rehabilitation involving repair and hard armoring of the existing concrete piers and cap beams. Replacement of the steel bearings and any necessary repair and re-painting of the existing steel structural members. The entire deck will be removed and replaced including new railings and ADA compliant sidewalk on the south side of the bridge and a striped bike lane on both sides.

Roadway Functional Classification: Sunnyside Road is not a National Highway System facility and is classified as an Urban Major Collector.

Federal Fund Source Eligibility: Surface Transportation Program

Transportation Considerations:

Walking: In CDTC Tier 2 Pedestrian District. Project will replace bridge deck, widen sidewalks and upgrade ADA ramps.

Biking: Connects to CDTC Bike Network and will include bike lane.

Transit: Not on CDTC Transit priority network; no transit route present; does not add transit components

Motor Vehicles/Freight: Roadway traffic volume averages 6,040 vehicles per day. Project has neutral affect (no known impact, positive or negative) on freight and/or goods movement.

Other Considerations: Identified in CDTC Local Bridge study for replacement. Bridge passes over rail line.

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	0
Smart Growth	SCORE -1 to +3	2
Environmental Justice	SCORE -1 to +2	0
Accessibility / ADA / Universal Design/Human Services Transport	SCORE -1 to +2	1
	SUBTOTAL -4 to +10	3
APPROPRIATE INFRASTRUCTURE (10 POINTS POSSIBLE)		
Preservation/Renewal of Existing	SCORE -2 to +5	1
Complete Streets	SCORE -2 to +5	1
	SUBTOTAL -4 to +10	2
MULTI-MODALISM (10 POINTS POSSIBLE)		
Transit	SCORE -2 to +5	0
Pedestrian	SCORE -1 to +3	2
Bicycle	SCORE -1 to +2	2
	SUBTOTAL -4 to +10	4
ENVIRONMENT & HEALTH (8 POINTS POSSIBLE)		
Sensitive Area Protection/Mitigation	SCORE -1 to +2	0
Greenhouse Gas Emissions Reduction	SCORE -1 to +2	0
Alternative Fuels Support	SCORE -1 to +2	0
Other Environmental/Health Benefit	SCORE -1 to +2	0
	SUBTOTAL -4 to +8	0
REGIONAL BENEFIT (5 POINTS POSSIBLE)		
Benefit beyond project to transportation system or quality region	SCORE -2 to +5	0
	SUBTOTAL -2 to +5	0
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	0
	SUBTOTAL -2 to +5	0
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	0
	SUBTOTAL -2 to +2	0
PROJECT MERIT CATEGORY SUB TOTAL		
Total from Line Items Above	SUBTOTAL -29 to +70	14
Scaled to 50 points		10.0