

#12 (R331) South Street Bridge Replacement & Pedestrian Improvements



South Street Bridge
City of Rensselaer, Rensselaer County

Total Score = A+B (100 Points Max)	36.5
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A. Benefit/Cost Ratio Total (50 point cap)	22.9
Benefit/Cost Ratio Subtotal	22.9
Total Benefits (\$1,000/Year)	3,056.8
Facility Life	3,056.8
Mobility	0.0
Safety	0.0
User Cost	0.0
Annualized Cost (\$1,000/Year)	133.3

B. Merit Category Score (Scaled to 50 Points)	13.6
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CDTC Project Category: Local Low Volume - Bridge Replacement

Sponsor: City of Rensselaer

Sponsor Priority: 1 in Bridge Category

Total Cost: \$2.193 M (includes match and inflation)

Bridge BIN: 2202200

CDTC Calculated Existing Bridge Rating: 4.6

Bridge Condition: Functionally Obsolete

Proposed Bridge Design Life: 75 years

Detailed Description: Complete replacement of the bridge between 2nd Avenue and Aiken Avenue, install steel H-piles, reinforced concrete abutments, galvanized steel beams, composite concrete deck and approach slabs, steel bridge, transition and approach rail and remove existing sidewalk on east side and construct new sidewalk on west side.

Roadway Functional Classification: South Street is not a National Highway System facility and is classified as an Urban Local road.

Federal Fund Source Eligibility: Surface Transportation Program - Off System Bridge

Transportation Considerations:

Walking: Project is in a CDTC Pedestrian Tier 1 District. Project will move the sidewalk from the west side of the bridge to the east side and connect it to sidewalk on side street.

Biking: Project is on NYS State Bike Route 9. Bicyclists must share the road with motor vehicles.

Transit: Project is not on CDTC Transit Priority Network and transit does not use South Street. Improved sidewalk supports transit.

Motor Vehicles/Freight: Roadway traffic volume averages 1,760 vehicles per day. Project has neutral affect (no known impact, positive or negative) on freight and/or goods movement.

Other Considerations: Project area accesses a road salt storage building and no residents. Project is in an Environmental Justice Area. Identified in CDTC Local Bridge study for Item Specific. Eligibility question on gas 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	2
Smart Growth	SCORE -1 to +3	2
Environmental Justice	SCORE -1 to +2	2
Accessibility / ADA / Universal Design/Human Services Transport	SCORE -1 to +2	1
	SUBTOTAL -4 to +10	7
APPROPRIATE INFRASTRUCTURE (10 POINTS POSSIBLE)		
Preservation/Renewal of Existing	SCORE -2 to +5	2
Complete Streets	SCORE -2 to +5	1
	SUBTOTAL -4 to +10	3
MULTI-MODALISM (10 POINTS POSSIBLE)		
Transit	SCORE -2 to +5	1
Pedestrian	SCORE -1 to +3	3
Bicycle	SCORE -1 to +2	0
	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	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	0
	SUBTOTAL -2 to +5	0
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	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	1
	SUBTOTAL -2 to +2	1
PROJECT MERIT CATEGORY SUB TOTAL		
Total from Line Items Above	SUBTOTAL -29 to +70	19
Scaled to 50 points		13.6