



2022-27 CDTC TIP Candidate Project Information: Bridge Preservation

Project ID	Sponsor	Project Name	Project Location	Sponsor Priority (by Project Category)	Fund Source Eligibility	Design Year	Construction Year	Cost (\$M) (Matched and Inflated)	Total Benefits (\$k) per year	Annualized Cost (\$k)	Benefit/Cost		Merit Categories		Total Project Score
											B/C Ratio	B/C Capped	Merit total	Merit scaled	
57	Saratoga County	CR 49 (West Milton Rd.) over Kayaderosseras Creek Bridge Rehabilitation	CR 49 (West Milton Rd.) over Kayaderosseras Creek	3	NHPP, STP-FLEX	1st year (2022-2023)	2nd year (2023-2024)	1.695	3,386.06	112.67	30.1	30.1	10.0	6.6	36.7

Description: The superstructure will be replaced entirely with a new multi-beam superstructure comprised of either galvanized steel girders or prestressed concrete beams. The abutments will receive concrete repairs and will be widened to accommodate a wider roadway section. The existing steel backwall will be replaced with a reinforced concrete backwall. The bearings will be replaced with low maintenance elastomeric bearings. Rip-rap scour protection will be installed around the abutments and wingwalls and along the banks to provide long-term protection.

Notes:

61	Saratoga County	Rehabilitation of BIN 3304520 - Heath Road over Sturdevant Creek, Town of Corinth	Heath Road over Sturdevant Creek	4	STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	0.374	1,148.64	38.53	29.8	29.8	6.0	3.9	33.7
----	-----------------	---	----------------------------------	---	----------	----------------------	----------------------	-------	----------	-------	------	------	-----	-----	------

Description: The project would address the leaking of joints between prestressed beams by replacing the asphalt with an impermeable deck overlay. It would also address stream scour vulnerability by adding stone scour protection and realigning the shifted stream so as not to undermine the north abutment founded on spread footings. Minor concrete repairs will also be included.

Notes:

23	NYSDOT	I-787 - SOUTH MALL INTERCHANGE BRIDGE ELEMENT SPECIFIC REPAIRS, BINS 1092940 & 109299B	I-787 South Mall Interchange	28	NHPP, STP-FLEX, STP-URB	3rd year (2024-2025)	4th year (2025-2026)	16.524	1,567.57	1,701.36	0.9	0.9	21.0	13.8	14.7
----	--------	--	------------------------------	----	-------------------------	----------------------	----------------------	--------	----------	----------	-----	-----	------	------	------

Description: Element Specific Bridge Rehabilitation to address deficiencies, including but not limited to Bearing replacements, concrete repairs, and bridge deck repairs. Restore the bridge to a state of good repair for at least 20 years using cost effective techniques to minimize the life cycle cost of maintenance and repair.

Notes:

24	NYSDOT	I-787 - SOUTH MALL INTERCHANGE BRIDGE ELEMENT SPECIFIC REPAIRS, BINS 109298A, 109298B & 109298D	I-787 South Mall Interchange	29	NHPP, STP-FLEX, STP-URB	3rd year (2024-2025)	4th year (2025-2026)	17.334	1,005.13	1,784.76	0.6	0.6	21.0	13.8	14.4
----	--------	---	------------------------------	----	-------------------------	----------------------	----------------------	--------	----------	----------	-----	-----	------	------	------

Description: Element Specific Bridge Rehabilitation to address deficiencies, including but not limited to Bearing replacements, concrete repairs, and bridge deck repairs. Restore the bridge to a state of good repair for at least 20 years using cost effective techniques to minimize the life cycle cost of maintenance and repair.

Notes:

49	NYSDOT	Rt. 2 Congress St Element Specific Bridge Repair, BIN 1004279	Rt. 2 Congress St Bridge	19	NHPP, STP-FLEX, STP-URB	2nd year (2023-2024)	4th year (2025-2026)	3.564	952.40	366.96	2.6	2.6	17.0	11.2	13.8
----	--------	---	--------------------------	----	-------------------------	----------------------	----------------------	-------	--------	--------	-----	-----	------	------	------

Description: Bridge Minor Rehab - Element Specific-- to include rocker bearings and concrete repairs. Restore the bridge to a state of good repair for at least 20 years using cost effective techniques to minimize the life cycle cost of maintenance and repair.

Notes:

Project ID	Sponsor	Project Name	Project Location	Sponsor Priority (by Project Category)	Fund Source Eligibility	Design Year	Construction Year	Cost (\$M) (Matched and Inflated)	Total Benefits (\$k) per year	Annualized Cost (\$k)	Benefit/Cost		Merit Categories		Total Project Score
											B/C Ratio	B/C Capped	Merit total	Merit scaled	
38	NYSDOT	Route 146 over I-890, City of Schenectady, Schenectady County	Route 146 over I-890	10	NHPP, STP-FLEX, STP-URB	2nd year (2023-2024)	4th year (2025-2026)	9.655	1,217.56	641.70	1.9	1.9	18.0	11.8	13.7
Description: This is a bridge superstructure replacement project. The main objectives of this project are restore the bridge to a state of good repair for at least 50 years using cost effective techniques to minimize the life cycle cost of maintenance and repair. Notes:															
25	NYSDOT	I-787 to SME EB, City of Albany, Albany County	I-787 SME EB	6	NHPP, STP-FLEX, STP-URB	1st year (2022-2023)	2nd year (2023-2024)	18.252	443.13	1,879.28	0.2	0.2	18.0	11.8	12.0
Description: Project may include bearing replacement, joint replacement, rehab of primary and secondary members, rehab of piers, and wearing surface replacement. This project is a Bridge Minor Rehab - Element Specific. It should restore the bridge to a state of good repair for at least 20 years using cost effective techniques to minimize the life cycle cost of maintenance and repair. Notes:															
62	Saratoga County	Rehabilitation of the CR 64 (Nelson Ave. Ext.) Bridge over Kayaderosseras Creek	CR 64 (Nelson Ave. Ext) over Kayaderosseras Creek	5	NHPP, STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	0.557	303.60	57.30	5.3	5.3	8.0	5.3	10.6
Description: Minor rehabilitation of the existing bridge to prolong its useful life for 8-10 years. Notes:															
53	NYSDOT	Water Street Over D&H Railroad, Element Specific Bridge Work	Water Street Over D&H Railroad	11	STP-FLEX, STP-URB	1st year (2022-2023)	1st year (2022-2023)	5.807	681.96	597.89	1.1	1.1	12.0	7.9	9.0
Description: This is a Bridge Preventive/Corrective Maintenance project. It may include bearing replacement, joint replacement, rehab of primary and secondary members, rehab of piers, and wearing surface replacement. Specific elements to be addressed will be identified during design. Notes:															
60	Saratoga County	Dix Bridge Rehabilitation	Hudson Crossing Park; Saratoga and Washington Counties	9	STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	2.298	0.00	236.63	0.0	0.0	13.0	8.6	8.6
Description: The bridge will be encapsulated in a Class A containment system, the existing steel truss and floorbeams will be abrasive blast cleaned to near white metal removing all lead-based paint and corrosion. Deteriorated steel members will be repaired as needed based on inspection after abrasive blast cleaning. A new 3-coat zinc-rich epoxy paint system will be spray applied to all exposed surfaces. Notes: Dix Bridge carries a multi-use trail. Mobility score of zero assigned as bridge does not carry motor vehicle traffic.															
64	Saratoga County	Tiffault Road Superstructure Replacement	Tiffault Road	7	STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	1.853	0.00	123.15	0.0	0.0	8.0	5.3	5.3
Description: The proposed superstructure will consist of steel girders with elastomeric bearings and a concrete deck with steel bridge railings. Replacement of the bearings will include construction of new concrete pedestals on the existing abutment. Side slope restoration/armoring at both approaches will be added to the scope. Substructure repairs include a tremie pour around both abutment footings to rectify existing undermining. Slope and bank restoration is also necessary behind all wingwalls. Bank erosion will be addressed by extending the pipe culvert or installing a rock lined swale. Notes: Unable to calculate regional mobility benefits for this project as bridge serves dead-end road.															

Total Projects:

Total request (\$M):