



2022-27 CDTC TIP Candidate Project Information: Bridge Beyond 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	
41	NYSDOT	ROUTE 32 OVER FISH CREEK, Town of Saratoga, Saratoga County	Route 32 over Fish Creek	15	NHPP, STP-FLEX	1st year (2022-2023)	3rd year (2024-2025)	1.376	2,741.83	83.64	32.8	32.8	7.0	4.6	37.4

Description: This is a bridge replacement project. The main objectives of this project are restore the bridge to a state of good repair for at least 75 years using cost effective techniques to minimize the life cycle cost of maintenance and repair.

Notes:

26	NYSDOT	I-87 Exit 16 Interchange Improvements and Bridge Replacement	I-87 Exit 16 Interchange	31	NHPP, STP-FLEX	2nd year (2023-2024)	5th year (2026-2027)	11.100	8,614.85	674.53	12.8	12.8	22.0	14.5	27.3
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Description: Intersection improvements and bridge replacement. NYSDOT is receiving Freight Funds in the amount of \$12 million. As such, the final inflated cost was reduced by \$12 million. The original sponsor-proposed cost was \$21M.

Notes: Project identified in CDTC Regional Freight Plan (excerpt) "I-87 Exit 16 Overpass Replacement; Replace I-87 (Northway) Exit 16 overpass to add capacity in each direction to accommodate growing truck traffic in vicinity."

40	NYSDOT	ROUTE 29 OVER D&H RR, BRIDGE REPLACE, SARATOGA SPRINGS	Route 29 over D&H Railroad	17	NHPP, STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	2.052	2,116.16	124.71	17.0	17.0	15.0	9.9	26.9
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Notes:

42	NYSDOT	ROUTE 396 OVER COEYMAN'S CREEK	Route 396 over Coeyman's Creek	16	NHPP, STP-FLEX	3rd year (2024-2025)	4th year (2025-2026)	2.171	2,059.31	131.92	15.6	15.6	11.0	7.2	22.8
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Notes:

19	City of Schenectady	Crane Street Bridge Major Rehabilitation	Crane Street Bridge	2	NHPP, STP-FLEX, STP-URB	1st year (2022-2023)	2nd year (2023-2024)	4.239	2,467.47	281.73	8.8	8.8	21.0	13.8	22.6
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Description: Superstructure vs. full replacement was considered to remedy the condition of the structure. After review of several project specific criteria including costs and construction duration, a superstructure replacement with substructure rehabilitation is the preferred alternative. The horizontal highway alignment will remain unchanged, but improvements to the vertical alignment along the Southernly approach and at the South Abutment and Pier are required to increase the minimum vertical clearance over the railroad. The new superstructure will be constructed of composite concrete deck with integral wearing surface supported by continuous steel multi-girders. New elastomeric bearings will be installed and pedestals at the piers and abutments will be constructed. Deteriorated substructure concrete will be removed, existing rebar will be cleaned and lapped with supplemental bars if necessary and new concrete will be placed. All substructure and deck concrete will be sealed. New bridge railing will be installed and the sidewalk along the West fascia will be reestablished. In addition, a new approach sidewalk will be constructed in the Northeast quadrant to improve pedestrian accommodations within the project limits. In addition to structural work the bridge deck will be delineated to accommodate vehicular traffic and bicycle shoulders, similar to the City's Kings Road Bridge project.

Notes:

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59	Saratoga County	Dimmick Rd Bridge (BIN3304510) Replacement	Dimmick Rd	8	STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	1.805	1,468.38	109.67	13.4	13.4	10.0	6.6	20.0
<p>Description: The existing bridge will be replaced with a wider bridge to add 4'-0" shoulders. New steel H-piles will be driven to rock and new concrete footings will be poured. A precast 3-sided concrete rigid frame is recommended due to the structures skew. New precast concrete headwalls and wingwalls will be installed. After waterproofing, the units will be backfilled with select structural fill. Full depth pavement will be installed and the sideslopes will be seeded and mulched. New 3-rail bridge rail, transition rail, single rail box beam and end sections will be installed at all four quadrants. Heavy stone fill will be placed along the footings for additional scour protection.</p> <p>Notes:</p>															
33	NYSDOT	Nelson Avenue Extension Over I-87, City of Saratoga Springs	Nelson Avenue Extension Over I-87	4	NHPP, STP-FLEX	1st year (2022-2023)	2nd year (2023-2024)	5.543	3,037.43	336.85	9.0	9.0	15.0	9.9	18.9
<p>Description: This is a bridge replacement project. The main objectives of this project are restore the bridge to a state of good repair for at least 75 years using cost effective techniques to minimize the life cycle cost of maintenance and repair.</p> <p>Notes:</p>															
34	NYSDOT	Replace Route 146 over Chrisler Avenue. Town of Rotterdam, Schenectady County	Route 146 over Chrisler Ave	2	NHPP, STP-FLEX, STP-URB	1st year (2022-2023)	2nd year (2023-2024)	7.862	3,675.91	477.79	7.7	7.7	16.0	10.5	18.2
<p>Description: This is a bridge replacement project. The main objectives of this project are restore the bridge to a state of good repair for at least 75 years using cost effective techniques to minimize the life cycle cost of maintenance and repair.</p> <p>Notes:</p>															
55	Saratoga County	CR 33 (Ballard Road) over Snook Kill Bridge Replacement	CR 33 (Ballard Road) over Snook Kill Bridge	6	NHPP, STP-FLEX	2nd year (2023-2024)	3rd year (2024-2025)	2.955	1,417.22	179.59	7.9	7.9	14.0	9.2	17.1
<p>Description: The scope includes removal of the existing two barrel pipe system and replacement with a single span prestressed concrete or steel girder bridge. The new bridge abutments would be built behind the existing pipes, so stream flows during construction can be carried through the existing pipes. The new bridge would be built using stage construction in order to maintain two lanes of traffic at all times. Roadway work would include full-depth reconstruction to tie-in the new structure with the adjacent roadway.</p> <p>Notes:</p>															
65	Saratoga County	Viall Avenue over Anthony Kill Bridge Replacement	Viall Avenue over Anthony Kill Bridge	2	NHPP, STP-FLEX, STP-URB	1st year (2022-2023)	2nd year (2023-2024)	3.059	1,176.71	185.87	6.3	6.3	11.0	7.2	13.5
<p>Description: Remove existing concrete arch bridge and replace with a single span steel girder structure (all three downstream bridges us steel girders). Roadway work would include full depth reconstruction to tie-in with the adjacent roadway. New ADA compliant sidewalks would be installed. An off-site detour would be proposed during construction for vehicles. A temporary pedestrian bridge is proposed during construction to maintain pedestrian access and usage.</p> <p>Notes:</p>															
43	NYSDOT	ROUTE 4 OVER THE HUDSON RIVER & CANAL, BRIDGE REPAIR, TOWN OF NORTHUMBERLAND, SARATOGA COUNTY	Route 4 over the Hudson River	3	NHPP, STP-FLEX	1st year (2022-2023)	2nd year (2023-2024)	20.800	6,137.00	1,263.99	4.9	4.9	13.0	8.6	13.5
<p>Description: The project will replace the bridge. Project will also widen Bridge to standard lanes and adequate shoulders for bicycles - Existing Bridge is 2-10' Lanes and no shoulder.</p> <p>Notes: Sponsor provided updated cost estimate on 1/20/2022.</p>															

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35	NYS DOT	River View Rd Over I-87, Bridge Replace	River View Rd Over I-87	18	NHPP, STP-FLEX	3rd year (2024-2025)	5th year (2026-2027)	8.773	1,912.03	533.09	3.6	3.6	10.0	6.6	10.2

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Notes:

63	Saratoga County	Replacement of the Tabor Road Bridge over Dwaas Kill	Tabor Road over Dwaas Kill	1	STP-FLEX	1st year (2022-2023)	2nd year (2023-2024)	4.306	1,394.84	261.65	5.3	5.3	7.0	4.6	9.9
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Description: This project would replace an existing twin pipe arch culvert with a new precast concrete three-sided rigid frame type structure. The proposed structure will be a new bridge, with a clear opening of approximately 36 to 40 feet based on providing a structure with an opening that would accommodate bank-full flow.

Notes:

52	NYS DOT	(Application withdrawn) RT. 9N OVER KAYDEROSSERASS, TOWN OF GREENFIELD, SARATOGA COUNTY	Route 9N over Kayaderosseras Creek	20	STP-FLEX	2nd year (2023-2024)	5th year (2026-2027)	0.000					2.0	1.3	
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Notes: Project application withdrawn by DOT.

50	NYS DOT	(Application withdrawn) RT. 22 OVER DILL BROOK, Town of Petersburg, Rensselaer County	Route 22 over Dill Brook	21	STP-FLEX	3rd year (2024-2025)	5th year (2026-2027)	0.000					3.0	2.0	
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Total Projects:

Total request (\$M):