

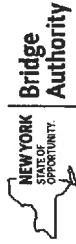


New York State Bridge Authority Capital Improvement Program 2024 - 2028 (\$ 000,000's)

September 12, 2023

FACILITY	2023	PROGRAM YEARS					TOTAL
		2024	2025	2026	2027	2028	
Rip Van Winkle Bridge	\$0.500	\$0.000	\$15.000	\$0.000	\$0.000	\$0.000	\$15.000
Kingston-Rhinecliff Bridge	\$0.000	\$6.000	\$5.000	\$2.000	\$0.000	\$0.000	\$13.000
Mid-Hudson Bridge	\$1.000	\$0.500	\$21.000	\$10.250	\$0.000	\$3.000	\$34.750
Newburgh-Beacon Bridge	\$8.250	\$1.500	\$0.000	\$5.000	\$0.000	\$2.000	\$8.500
Bear Mountain Bridge	\$3.000	\$5.500	\$1.000	\$27.500	\$27.500	\$10.500	\$72.000
Walkway over the Hudson	\$4.000	\$0.500	\$0.500	\$0.000	\$0.000	\$0.000	\$1.000
Systemwide (Engineering)	\$5.650	\$14.000	\$3.000	\$8.500	\$3.125	\$3.000	\$31.625
Systemwide (IT Dept.)	\$4.001	\$1.663	\$0.890	\$1.000	\$1.410	\$0.733	\$5.696
Systemwide (Adminstration)	\$0.140	\$0.050	\$0.050	\$0.050	\$0.050	\$0.050	\$0.250
Operations: AET/CMD/TOLLS	\$2.603	\$5.045	\$2.195	\$1.545	\$1.875	\$5.325	\$15.985
Program Total	\$29.144	\$34.758	\$48.635	\$55.845	\$33.960	\$24.608	\$197.806

Board of Commissioners adopted September 21, 2023

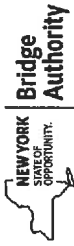


New York State Bridge Authority
Capital Improvement Program
2024 - 2028
(\$ 000,000's)

Engineering

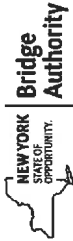
Project I.D.	Project Type	Project Title/Description	Phase	Program Years					TOTAL	Remarks
				2023	2024	2025	2026	2027		
K0001 2007	Facility Rehab	<u>Kingston-Rhinecliff, Highway Improvements</u> 2031 - Deck Overlay and Approach Paving	CONST						0.000	Biennial Inspection indicates approach highway is in good condition. 2031 - \$5.5mil
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
K0002 2010	Preventative Maintenance	<u>Kingston-Rhinecliff, Program Painting</u> 2024 - Lead Abatement and re-painting of the west and east approach girder spans. 2025 - Maintenance Painting of deck truss	CONST	6.000	5.000				11.000	\$6 mil delayed to 2024, paint remains in good condition. \$5 Maintenance Painting deck truss (2025 from 2027)
			OTHER						0.000	
			TOTAL	0.000	6.000	5.000	0.000	0.000	11.000	
K0004 2015	Preventative Maintenance	<u>Kingston-Rhinecliff, Electrical Upgrade</u> 2026 - Battery Storage for Generator	CONST			2.000			2.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	2.000	0.000	2.000	
			CONST						0.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
			CONST						0.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
Kingston-Rhinecliff Annual Totals:				\$0.000	\$6.000	\$5.000	\$2.000	\$0.000	\$0.000	\$13.000 <= 2024 - 2028 Total

New York State Bridge Authority
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Engineering

Project I.D.	Project Type	Project Title/Description	Phase	Program Years				TOTAL	Remarks
				2023	2024	2025	2026		
M0002 2010	Preventative Maintenance	<u>Mid-Hudson, Maintenance Painting</u> 2025 - Power tool clean and spot paint stiffening truss 2031 - Tower Painting	CONST		8.000			8.000	Postpone contract painting to 2025 & 2031. 2031 - \$8 mil tower painting
			OTHER					0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	
M0003 2010 & 2011	Facility Rehab	<u>Mid-Hudson, Approach and Bridge Paving</u> 2023 - Mill and fill main span overlay with asphalt overlay. Replace asphaltic plug joints and striping.	CONST	1.000				0.000	Deferred from 2019 to 2023 after 2021 curb and railing rehabilitation project.
			OTHER					0.000	
			TOTAL	1.000	0.000	0.000	0.000	0.000	
M0005 2010	Facility Rehab	<u>Mid-Hudson, East Approach Viaduct Spans</u> 2031 - Lead abatement of approach spans including arch truss over the Metro-North rail line.	CONST					0.000	2031 - \$3 mil Paint System remains in satisfactory condition.
			OTHER					0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	
M0006 2009	Investigation	<u>Mid-Hudson, Main Cable Inspection</u> 2028 - Inspection of the Main Cable last performed 2018. Opening Main Cable for Investigation and Sampling. Investigation testing / analysis report.	CONST					2.500	Next scheduled Investigation 2028, 10yrs. See M00015 - Dehumidification / Suspenders
			OTHER					0.000	
			TOTAL	0.000	0.000	0.000	0.000	2.500	
M0013 2019	Facility Improvement	<u>Mid-Hudson, Star Building</u> 2025 - Loading Dock w/ Roof system addition	CONST		0.750			0.750	
			OTHER					0.000	
			TOTAL	0.000	0.000	0.750	0.000	0.000	



**New York State Bridge Authority
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Engineering

Project I.D.	Project Type	Project Title/Description	Phase	Program Years					TOTAL	Remarks
				2023	2024	2025	2026	2027		
M0015 2019	Facility Rehab	<u>Mid-Hudson, Main Cable Suspenders and Cable Dehumidification</u> 2028 - Remove & Replace Main Cable Suspenders, Design 2030-2032 - Install main cable dehumidification system	CONST						0.000	2028 - \$0.500 Design Suspender 2029 - Suspender replacement \$10mil 2030-2032 Main Cable Dehumidification \$50 mil
			OTHER					0.500	0.500	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.500	0.500
M0016 2019	Preventative Maintenance	<u>Mid-Hudson, Rock Cut Stabilization</u> 2025 - West Approach Rock Scaling	CONST		0.500				0.500	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.500	0.000	0.000	0.000	0.500
M0017 2020	Facility Rehab	<u>Mid-Hudson, Electrical Upgrade</u> 2025 - Complete bridge electrical wiring removal, install new conductor cables, new load centers and transformers.	CONST		1.500				1.500	
			OTHER						0.000	
			TOTAL	0.000	0.000	1.500	0.000	0.000	0.000	1.500
M0018 2010	Facility Rehab	<u>Mid-Hudson, East Approach Rehabilitation</u> 2024 - Study & Design 2025-2026 - E. Approach Deck Reconstruction East Approach Deck and Viaducts Reconstruction	CONST		10.000	10.000			20.000	
			OTHER		0.500	0.250	0.250		1.000	
			TOTAL	0.000	0.500	10.250	10.250	0.000	0.000	21.000
			CONST						0.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
Mid-Hudson Annual Totals:				\$1.000	\$0.500	\$21.000	\$10.250	\$0.000	\$3.000	<< 2024 - 2028 Total



**New York State Bridge Authority
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(\$ 000,000's)**

Engineering

September 12, 2023
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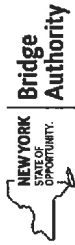
Project I.D.	Project Type	Project Title/Description	Phase	Program Years					TOTAL	Remarks
				2023	2024	2025	2026	2027		
N0008 2014	Facility Rehab	<u>NBB - North Span Deck Replacement</u> 2023 - COMPLETED: Deck Replacement Project including Toll plaza removal and installation of AET gantry, etc.	CONST	7.750					0.000	Awarded: NBB Deck - June 2020 -\$101mil deck replacement 2020, 2021, 2022 and 2023 approach/project closeout/retainage. -Design Deck Replacement 2019 - 2020 -Construction MOU - Substantial completion September 2022, Final June 2023.
			CI DESIGN	0.500					0.000	
			TOTAL	8.250	0.000	0.000	0.000	0.000	0.000	
N0014 2023	Facility Rehab	<u>NBB - Maintenance Building Renovation</u> 2024 - Complete Building renovation & window replacement	CONST		1.500				1.500	
			OTHER						0.000	
			TOTAL	0.000	1.500	0.000	0.000	0.000	1.500	
N0015 2023	Facility Rehab	<u>NBB - West Approach Roadway</u> 2028 - Drainage, Mill and Re-pave	CONST						2.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	2.000	
N0016 2023	Facility Rehab	<u>NBB - South Span Painting</u> 2028 - Maintenance Painting of weathering steel	CONST				5.000		5.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	5.000	0.000	5.000	
			CONST					0.000		
			OTHER					0.000		
			TOTAL	0.000	0.000	0.000	5.000	0.000		
			Newburgh-Beacon Annual Totals:	\$8.250	\$1.500	\$0.000	\$5.000	\$0.000	\$2.000	\$8.500 << 2024 - 2028 Total



New York State Bridge Authority
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Engineering

Project I.D.	Project Type	Project Title/Description	Phase	Program Years					TOTAL	Remarks	
				2023	2024	2025	2026	2027			2028
B0002 2007	Preventative Maintenance	Bear Mountain - Maintenance Painting 2023-2024 - Spot clean and overcoat towers. 2029 - Spot clean and overcoat stiffening truss.	CONST	3.000	5.500				5.500	2029, \$15mil - Maintenance paint stiffening truss after deck, parapet and sidewalks replacement project.	
			OTHER						0.000		
			TOTAL	3.000	5.500	0.000	0.000	0.000	0.000	5.500	
B0003 2007 2019	Extra Maintenance	Bear Mountain - Main Cable Safety Handrope and Suspender replacement 2028 - Design / Construction inspection \$2mil 2028 - Remove & replace main cable safety handrope \$2mil 2028 - Remove & replace main cable suspenders \$5mil	CONST					7.000	7.000	Hand rope moved from 2022 to 2028 combine with suspender rope replacement	
			OTHER					2.000	2.000		
			TOTAL	0.000	0.000	0.000	0.000	0.000	9.000	9.000	
B0005 2007	Extra Maintenance	Bear Mountain - Main Cable Evaluation 2028 - Opening Main Cable for Investigation and sampling, Investigation testing / analysis report.	CONST					1.500	1.500	Next Scheduled Investigation 2028, 10yrs. See B0003 - Suspender / Hand cables	
			OTHER						0.000	0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	1.500	1.500	
B0007 2020	Facility Rehab	Bear Mountain - Deck Replacement 2025-2027 - Replace 50 year old deck, bridge sidewalk, including suicide deterrent fencing and solar panels.	CONST			26.000			52.000	Design/Design Support 2025; \$1mil Construction 2026 - 2027; \$52mil Construction Inspection 2026 - 2027; \$3mil	
			OTHER			1.500		1.500	4.000		
			TOTAL	0.000	0.000	1.000	27.500	27.500	0.000	56.000	
			CONST						0.000		
			OTHER						0.000		
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Bear Mountain Annual Totals:				\$3.000	\$5.500	\$1.000	\$27.500	\$27.500	\$10.500	\$72.000	<< 2024 - 2028 Total



**New York State Bridge Authority
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Engineering

Project I.D.	Project Type	Project Title/Description	Phase	Program Years					TOTAL	Remarks
				2023	2024	2025	2026	2027		
W0001 2010	Investigation	<u>WOTH, Bridge Inspection</u> 2025 - Performed detailed inspection of the bridge structure with hands-on inspection of fracture critical members, 5 year cycle, 2010, 2015, 2020 and 2025, etc.	CONST						0.000	2027 - Underwater inspection to be included with Authority's current 5 yr cycle, see S0002.
			OTHER		0.500				0.500	
			TOTAL	0.000	0.000	0.500	0.000	0.000	0.500	
W0006 2011	Preventative Maintenance	<u>WOTH, Structural Steel Maintenance Painting</u> 2030 - Cleaning and painting steel bents and select deck truss members	CONST						0.000	Postpone \$15mil 2027 to 2030
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
W0007 2011	Preventative Maintenance	<u>WOTH - River Pier Base Maintenance</u> 2023 - COMPLETED: Substructure maintenance	CONST	2.000					0.000	
			OTHER						0.000	
			TOTAL	2.000	0.000	0.000	0.000	0.000	0.000	
W0011 2022	Preventative Maintenance	<u>WOTH - Structural Steel Maintenance Repairs</u> 2023-2024 - Perform Priority one (1) and two (2) repairs	CONST	2.000	0.500				0.500	2023 - See Sys. S0011 additional steel repairs; KRB Bearings and MHB stringer seats
			OTHER						0.000	
			TOTAL	2.000	0.500	0.000	0.000	0.000	0.500	
			CONST						0.000	
			OTHER						0.000	
			TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	
WOTH Annual Totals:				\$4.000	\$0.500	\$0.000	\$0.000	\$0.000	\$0.000	\$1.000 << 2024 - 2028 Total



**New York State Bridge Authority
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Engineering

Project I.D.	Project Type	Project Title/Description	Phase	Program Years				TOTAL	Remarks		
				2023	2024	2025	2026			2027	2028
S0006 2008	Preventative Maintenance	<u>Systemwide, Substructure Maintenance (Land Piers)</u> 2026 - Partial depth concrete repairs and sealing	CONST			5.500		5.500	Deferred from 2019 - 2021 - 2026 BMB \$0.500 NBB \$2.000		
			OTHER					0.000	MHB \$1,000 and WOTH \$0.500 KRB \$1,000 RVW \$0.500		
			TOTAL	0.000	0.000	0.000	5.500	0.000	5.500		
S0007	Equipment	<u>Systemwide, Equipment Purchases</u> 2023-2028 - Acquisition of major extraordinary vehicles and equipment necessary to operate and maintain the bridge system.	CONST					0.000			
S0011	Preventative Maintenance	<u>Systemwide, Steel Maintenance Repairs</u> 2023 - Miscellaneous steel and bearing repairs	OTHER	0.700	0.550	0.550	0.550	2.750	Budget to include electric vehicles		
			TOTAL	0.700	0.550	0.550	0.550	2.750			
			CONST	0.500					0.000	W0011 - 2023 - 2024 WOTH Steel Maint. Repairs; Perform Priority one (1) & Priority two (2) repairs	
S0012	Preventative Maintenance	<u>Systemwide, Suicide Deterrent/Security Fencings</u> 2023-2024 - Furnish and install curved top pedestrian chain-link fencing at RVW, KRB, MHB, NBB (N&S) spans.	OTHER					0.000			
			TOTAL	1.000	10.000	0.000	0.000	10.000	10.000	10 ft. high fencing with 1 inch mesh fence fabric on standard vertical curved top pipe, P.V.C. or or galvanized coated. 2023 - Design 2024 - Proposed Fencing - NBB South 2026 - 2027 - BMB fencing with deck replacement, see B0007,	
			CONST	1.000	10.000	0.000	0.000	0.000	10.000		
S0013	Preventative Maintenance	<u>Systemwide Paving</u> 2024 - Approach milling and paving	CONST		1.000			1.000			
			OTHER					0.000			
			TOTAL	0.000	1.000	0.000	0.000	0.000	1.000		
Systemwide (Engineering) Annual Totals:				\$5.650	\$14.000	\$3.000	\$8.500	\$3.125	\$3.000	\$31.625	<< 2024 - 2028 Total

**New York State Bridge Authority
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Information Technology

Project I.D.	Project Type	Project Title/Description	Budget	Program Years					TOTAL	Remarks	
				2023	2024	2025	2026	2027			2028
SI-0002	IT	2023-2028 - Systemwide - Office Equipment Purchases, Copiers, Printers, plotter, Badge printer, PC upgrades	Budget	0.045	0.055	0.045	0.065	0.050	0.055	0.260	Ops Copier, Badge Printer, PC Alt. years
SI-0003	IT	2023-2028 - Mid-Hudson - Necklace Lights	Budget	0.600	0.005	0.005	0.005	0.005	0.005	0.025	Rehab aging necklace lights installed in 2001; 2023 Replaced lens, power supply, gaskets, etc.
SI-0005	IT	2024 & 2027 - Id Card Access Upgrade	Budget	0.000	0.050			0.015		0.065	All Superterm panels needed to be replaced 2024
SI-0010	IT	2023-2028 - ITS Components-Multiplexer, cabinet, UPS	Budget	0.015	0.400	0.015	0.015	0.015	0.015	0.460	2024 end of life for all building UPS's
SI-0013	IT	2023-2028 - Windows File server(s) and Web Filter	Budget	0.055	0.135	0.135	0.115	0.127	0.060	0.572	
SI-0015	IT	2023-2028 - Data Cabling	Budget	0.035	0.035	0.035	0.035	0.035	0.035	0.175	
SI-0023	IT	2023 & 2027-2028 - Firewall Upgrade	Budget	0.065				0.150	0.150	0.300	Paib Altos reaches end of life
SI-0029	IT	2023-2024 - Systemwide -Backup	Budget	0.025	0.065					0.065	2023 Email Archive system 2024 Unitrends / SAN
SI-0032	IT	2023-2028 - Systemwide - Alarm	Budget	0.510	0.010	0.010	0.010	0.010	0.010	0.050	2023 Alarm Assessment / Re-Design
SI-0035	IT	2023,2025,2027 - Systemwide Routers and Switches	Budget	0.150		0.150		0.150		0.300	Hirschman RS 20 Replacement 2025 - 4506 EOL; 2027 - 9200 switch replacement
SI-0038	IT	2024 - Systemwide - Security Operations Center	Budget	0.000	0.015					0.015	Cyber Security Grant \$49K; NYSEA's portion \$15K
SI-0040	IT	2024 - Systemwide - Weather Station Replacement	Budget	0.000	0.250					0.250	Different system being considered
SI-0041	IT	2023 - Systemwide - Fuel System Upgrade	Budget	0.150						0.000	
SI-0042	IT	2027 - MHB - CMD CineMassive and Wall Upgrade	Budget	0.000				0.250		0.250	Server and video wall upgrade



New York State Bridge Authority
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Information
Technology

Project I.D.	Project Type	Project Title/Description	Budget	Program Years					TOTAL	Remarks	
				2023	2024	2025	2026	2027			2028
SO-0011	IT	2023-2028 - UPS (Un-interruptible Power System)	Budget	0.010	0.010	0.010	0.100	0.010	0.010	0.140	Battery Replacement 2026
SO-0012	IT	2023-2028 - Suicide Call Boxes - Upgrade/Replacement	Budget	0.008	0.300	0.010	0.010	0.010	0.010	0.340	
SO-0034	IT	2023-2028 - Systemwide Camera Replacements	Budget	0.200	0.200	0.250	0.250	0.250	0.250	1,200	
SO-0035	IT	2023-2028 - ITS Consultant - Kapsch, Inc	Budget	0.125	0.125	0.125	0.125	0.125	0.125	0.625	
SO-0038	IT	2026-2027 - NBB S. Span VMS Upgrade	Budget	0.000			0.200	0.200		0.400	
SO-0040	IT	2023-2028 - Systemwide - License Plate Reader (LPR)	Budget	0.008	0.008	0.100	0.080	0.008	0.008	0.204	Replace and upgrade servers. Additional server(s) for redundancy. LPR Cameras and added capabilities
SO-0041	Eng	2023 - Systemwide - VMS Replacement	Budget	2.000							
Information Technology (IT) - Annual Totals:				\$4.001	\$1.663	\$0.890	\$1.000	\$1.410	\$0.733	\$5.696	<< 2024 - 2028 Total



New York State Bridge Authority
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Administration

Project I.D.	Project Type	Project Title/Description	2023	Program Years				TOTAL	Remarks
				2024	2025	2026	2027		
SA-0001	Admin	2023-2028 - Equipment Purchases, Administration	0.020	0.025	0.025	0.025	0.025	0.125	Misc Equipment: printers, Id badges, etc.
SA-0002	Admin	2023-2028 - Business Application Enhancement	0.100	0.025	0.025	0.025	0.025	0.125	JDE Version upgrade 2022 Kronos Software Upgrade 2023 I-Series Hardware upgrade 2023
SA-0003	Admin	2023 - Digital Personnel Filing System Upgrade	0.020					0.000	OnBase Software Upgrade 2023
Administration - Annual Totals:			\$0.140	\$0.050	\$0.050	\$0.050	\$0.050	\$0.250	<< 2024 - 2028 Total

