

EXHIBIT B

20-YEAR CAPITAL NEEDS PROJECTION



20 YEAR CAPITAL PROGRAM PROJECTION UPDATE (2011 - 2031)

April 6, 2011

Year	Bear Mountain		Newburgh - Beacon South		Newburgh - Beacon North		Mid-Hudson		Walkway over the Hudson		Kingston - Rhinecliff		Rip Van Winkle		Systemwide		Total	Annual
2011	Toll Plaza Paving - 2010 Carry-over payment	\$9,000			De-lead Deck Truss	\$9,424,000	East Approach Overlay	\$89,000	Biennial Bridge Insp.	\$290,000	Sys - Highway Repairs				Biennial Inspections	\$460,000	\$10,263,000	\$17,734,000
							Cable Investigation	\$200,000	As-Built Records	\$100,000	Carry-over payment	\$126,000			Sys. Equip. Purchase	\$0	\$435,000	
							Building Renovations	\$426,000	Design Review Study	\$250,000					In- House Capital Prog	\$1,650,000	\$2,326,000	
							Railroad Arch Investigation	\$88,000	Electrical Design	\$68,000					IT Department	\$3,729,000	\$3,885,000	
2012	Light Poles	\$45,000	Deck Design	\$1,000,000	North Span Rosphalt	\$2,000,000	Admin. Roof	\$394,000	Inspection	\$25,000					Annual Insp.	\$334,000	\$3,798,000	\$8,401,000
							East Approach Overlay	\$800,000	Land Pier Stabilization	\$350,000					Underwater Insp.	\$100,000	\$1,250,000	
									Navigation Lighting	\$150,000					Sys. Equip. Purchase	\$500,000	\$650,000	
															In- House Capital Prog	\$1,650,000	\$1,650,000	
2013	Substructure Repairs	\$250,000	Deck Replacement				Pier Base Repairs	\$250,000	Inspection	\$100,000	East & West Approach	\$1,250,000	Pier Base Repairs	\$250,000	Biennial Inspections	\$488,000	\$2,588,000	\$37,220,000
			Seismic Retro-fit	\$23,000,000			Substructure Repairs	\$250,000	Steel Repairs	\$5,600,000	Bldg. Renovations	\$350,000			Sys. Equip. Purchase	\$500,000	\$29,700,000	
			Pier Base Repairs	\$500,000			Main Span Overlay	\$1,000,000			Pier Base Repairs	\$250,000			In- House Capital Prog	\$1,250,000	\$3,000,000	
											Substructure Repairs	\$500,000			IT Department	\$737,000	\$1,237,000	
2014	All Electronic Tolling	\$500,000	Deck Replacement				All Electronic Tolling	\$1,000,000	Inspection	\$25,000	All Electronic Tolling	\$500,000	Electrical Upgrade	\$1,000,000	Biennial Inspections	\$356,000	\$3,381,000	\$34,741,000
			Seismic Retro-fit	\$26,000,000									All Electronic Tolling	\$500,000	Sys. Equip. Purchase	\$500,000	\$27,000,000	
			All Electronic Tolling	\$1,500,000											In- House Capital Prog	\$1,250,000	\$2,750,000	
															IT Department	\$1,415,000	\$1,415,000	
2015	Main Cable Safety Hand Rope Replacement	\$2,000,000	Deck Replacement		West Deck Truss -	\$8,000,000	Maintenance Paint Main Span	\$1,000,000	Biennial Inspection	\$400,000			Maintenance Painting	\$1,000,000	Biennial Inspections	\$515,000	\$10,915,000	\$52,677,000
			Seismic Retro-fit, \$5m	\$31,000,000			E. Appr. Viaduct - De-lead	\$3,000,000					Bridge Railing	\$3,000,000	Sys. Equip. Purchase	\$500,000	\$39,500,000	
															In- House Capital Prog	\$1,250,000	\$1,250,000	
															IT Department	\$817,000	\$817,000	
2016	Toll Collection System	\$250,000	West Appr. Paving	\$1,000,000	East Approach Paving	\$1,000,000	Maintenance Painting	\$1,000,000	Clean & Paint	\$5,000,000	Toll System	\$250,000	Toll System	\$250,000	Biennial Inspections	\$530,000	\$9,030,000	\$26,730,000
			Thru truss - De-lead	\$8,500,000	Thru truss - De-lead	\$8,500,000	Main Cable Evaluation	\$2,000,000	Pier Base Repairs	\$1,500,000					Sys. Equip. Purchase	\$500,000	\$12,750,000	
			Toll System	\$500,000			Toll System	\$500,000							In- House Capital Prog	\$1,250,000	\$2,250,000	
							West Approach Paving	\$2,000,000							IT Department	\$500,000	\$2,500,000	
2017			Maintenance Painting	\$5,000,000	Thru truss - De-lead	\$8,500,000			Clean & Paint	\$5,000,000	Maintenance Painting	\$1,000,000	Pier Base Repairs & Substructure	\$500,000	Biennial Inspections	\$545,000	\$20,045,000	\$23,095,000
												Office & Yard	\$100,000	Sys. Equip. Purchase	\$500,000	\$1,000,000		
														In- House Capital Prog	\$1,250,000	\$1,350,000		
														IT Department	\$500,000	\$500,000		
2018			Seal Pier Tops	\$200,000					Clean & Paint	\$5,000,000	Substructure Repairs	\$500,000	Approach Paving	\$500,000	Biennial Inspections	\$560,000	\$6,760,000	\$28,310,000
			Pier Base Repairs	\$300,000			Pier Base Repairs	\$300,000			Steel Repairs	\$150,000	Nova-Chip	\$500,000	Sys. Equip. Purchase	\$500,000	\$1,750,000	
	Substructure Repairs	\$400,000	Rte 9W Overpass	\$10,000,000	Seal Pier Tops	\$200,000	Approach substructure	\$300,000			De-lead Appr. Spans	\$6,000,000	Steel Repairs	\$150,000	In- House Capital Prog	\$1,250,000	\$18,300,000	
	Steel Repairs	\$150,000	Pier Base Repairs	\$500,000	Pier Base Repairs	\$500,000	Steel Repairs	\$150,000							IT Department	\$500,000	\$1,300,000	
														Admin \ Ops	\$50,000	\$50,000		
														Capital Maintenance	\$150,000	\$150,000		



20 YEAR CAPITAL PROGRAM PROJECTION UPDATE (2011 - 2031)

April 6, 2011

Year	Bear Mountain		Newburgh - Beacon South		Newburgh - Beacon North		Mid-Hudson		Walkway over the Hudson		Kingston - Rhinecliff		Rip Van Winkle		Systemwide		Total	Annual	
2019					Deck Replacement & Seismic Retro-fit	\$25,000,000	Rock Scaling	\$500,000							Biennial Inspections	\$580,000	\$1,080,000	\$28,530,000	
															Sys. Equip. Purchase	\$500,000	\$25,500,000		
															In- House Capital Prog	\$1,250,000	\$1,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2020					Deck Replacement & Seismic Retro-fit	\$25,000,000	Electrical Upgrade	\$1,500,000	Clean & Paint	\$5,000,000	Seismic Retro-fit	\$5,000,000	Maintenance Painting	\$1,000,000	Biennial Inspections	\$600,000	\$13,100,000	\$45,550,000	
					Maintenance Painting	\$1,000,000					Electrical Upgrade	\$2,000,000			Sys. Equip. Purchase	\$500,000	\$27,500,000		
											Deck Overlay	\$2,000,000			In- House Capital Prog	\$1,250,000	\$4,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2021	Deck Replacement (45yrs)	\$8,000,000			Deck Replacement	\$25,000,000	East Approach Overlay	\$1,000,000	Clean & Paint	\$5,000,000					Biennial Inspections	\$615,000	\$14,615,000	\$44,065,000	
	Seismic Retro-fit	\$2,000,000			Seismic Retro-fit	\$25,000,000									Sys. Equip. Purchase	\$500,000	\$27,500,000		
															In- House Capital Prog	\$1,250,000	\$1,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2022	Approach Rehab.	\$500,000					Main Cable Evaluation	\$2,000,000							Biennial Inspections	\$630,000	\$3,130,000	\$23,580,000	
	Deck Replacement (45yrs)	\$8,000,000					Replace Suspenders	\$7,000,000							Sys. Equip. Purchase	\$500,000	\$15,500,000		
							(A) Seismic Retro-fit	\$3,000,000							In- House Capital Prog	\$1,250,000	\$4,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2023	Cable Evaluation & Replace Suspenders	\$5,000,000	Seal Pier Tops	\$200,000	Seal Pier Tops	\$200,000	Main Span & Approach Overlay	\$2,000,000	Substructure Repairs	\$250,000	Substructure Repairs	\$500,000	Substructure Repairs	\$500,000	Biennial Inspections	\$650,000	\$1,050,000	\$33,550,000	
	Substructure Repairs	\$400,000	Pier Base Repairs	\$300,000	Pier Base Repairs	\$500,000	(A) Deck Replacement - 35yrs	\$20,000,000							Sys. Equip. Purchase	\$500,000	\$9,550,000		
							Substructure Repairs	\$600,000							In- House Capital Prog	\$1,250,000	\$21,650,000		
															IT Department	\$500,000	\$1,100,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2024	Maintenance Painting	\$1,500,000			Maintenance Painting	\$2,000,000	Main Cable Evaluation	\$2,500,000							Biennial Inspections	\$670,000	\$6,670,000	\$9,120,000	
															Sys. Equip. Purchase	\$500,000	\$500,000		
															In- House Capital Prog	\$1,250,000	\$1,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2025									Biennial Inspection	\$500,000	East & West Appr.	\$1,500,000			Biennial Inspections	\$690,000	\$2,690,000	\$5,140,000	
															Sys. Equip. Purchase	\$500,000	\$500,000		
															In- House Capital Prog	\$1,250,000	\$1,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		
2026			West Approach Rdwy	\$2,000,000	East Approach Rdwy	\$1,000,000	Maintenance Painting	\$1,000,000			Pier Base Repairs & Substructure	\$500,000			Biennial Inspections	\$710,000	\$4,710,000	\$7,660,000	
															Sys. Equip. Purchase	\$500,000	\$1,000,000		
															In- House Capital Prog	\$1,250,000	\$1,250,000		
															IT Department	\$500,000	\$500,000		
															Admin \ Ops	\$50,000	\$50,000		
															Capital Maintenance	\$150,000	\$150,000		



20 YEAR CAPITAL PROGRAM PROJECTION UPDATE (2011 - 2031)

April 6, 2011

Year	Bear Mountain	Newburgh - Beacon South	Newburgh - Beacon North	Mid-Hudson	Walkway over the Hudson	Kingston - Rhinecliff	Rip Van Winkle	Systemwide	Total	Annual
2027		Maintenance Painting \$2,000,000					Maintenance Painting \$2,000,000	(A) Deck (35 yrs) Replacement \$40,000,000	Biennial Inspections \$730,000	\$4,730,000
								Seismic Retro-fit \$5,000,000	Sys. Equip. Purchase \$500,000	\$40,500,000
								Maintenance Painting \$2,000,000	In- House Capital Prog \$1,250,000	\$6,250,000
									IT Department \$500,000	\$2,500,000
									Admin \ Ops \$50,000	\$50,000
								Capital Maintenance \$150,000	\$150,000	\$54,180,000
2028	Substructure Repairs \$500,000	Substructure Repairs \$500,000	Substructure Repairs \$500,000	Substructure Repairs \$600,000	Substructure Repairs \$300,000	Substructure Repairs \$500,000	Deck Overlay \$1,000,000		Biennial Inspections \$750,000	\$4,650,000
	Cable Evaluation \$1,000,000								Sys. Equip. Purchase \$500,000	\$1,500,000
									In- House Capital Prog \$1,250,000	\$1,250,000
									IT Department \$500,000	\$500,000
									Admin \ Ops \$50,000	\$50,000
								Capital Maintenance \$150,000	\$150,000	\$8,100,000
2029	Deck Overlay \$1,000,000						Deck Overlay \$2,500,000		Biennial Inspections \$780,000	\$4,280,000
									Sys. Equip. Purchase \$500,000	\$500,000
									In- House Capital Prog \$1,250,000	\$1,250,000
									IT Department \$500,000	\$500,000
									Admin \ Ops \$50,000	\$50,000
								Capital Maintenance \$150,000	\$150,000	\$6,730,000
2030		(A) Pier Protection for Ship Collision \$17,000,000	(A) Pier Protection for Ship Collision \$17,000,000	(A) Pier Protection for Ship Collision \$24,000,000	Biennial Inspection \$500,000	(A) Pier Protection for Ship Collision \$30,000,000	E. & W. Approach Roadway \$1,000,000		Biennial Inspections \$800,000	\$1,300,000
							(A) Pier Protection for Ship Collision \$9,000,000		Sys. Equip. Purchase \$500,000	\$89,500,000
									In- House Capital Prog \$1,250,000	\$1,250,000
									IT Department \$500,000	\$9,500,000
									Admin \ Ops \$50,000	\$50,000
								Capital Maintenance \$150,000	\$150,000	\$101,750,000
2031	Electrical Upgrade \$2,000,000			East Approach Overlay \$1,500,000					Biennial Inspections \$825,000	\$4,325,000
									Sys. Equip. Purchase \$500,000	\$500,000
									In- House Capital Prog \$1,250,000	\$1,250,000
									IT Department \$500,000	\$500,000
									Admin \ Ops \$50,000	\$50,000
								Capital Maintenance \$150,000	\$150,000	\$6,775,000
Totals	\$33,504,000	\$122,000,000	\$135,324,000	\$81,947,000	\$35,408,000	\$57,376,000	\$67,250,000	\$70,829,000	Program Total >>>	\$603,638,000

(A) - Evaluate Options

IT Department (Systemwide): Equipment Purchases, Electronic Data Processing Upgrade, Wide are networking and misc.

Admin \ Ops Dept. (Systemwide): Equipment Purchases, Business Application Enhancement, EZ Pass, All Electronic Tolling (AET)

Component	Rehab. Cycle	Bear Mtn.	Newburgh (S)	Newburgh (N)	Mid-Hudson	Walkway Over Hudson	Kingston	Rip Van Winkle
Remove Toll Plaza - AET	20 - 25 yrs.	2014	2014	-	2014	-	2014	2014
Electrical System	20 - 25 yrs.	2031	2014	2019	2020	-	2020	2014
Deck Replacement	35 - 40 yrs.	2021 (45yrs)	2013 (33 yrs)	2019 (36 yrs)	2023 (35 yrs)	-	2035 (35 yrs)	2027 (35 yrs)
Joints & Overlay	12 - 15 yrs.	2029	-	-	2013	-	2019 / 2029	2018 / 2028
Approach Roadway	10 - 12 yrs.	2010	2016 / 2026	2016 / 2026	2016 / 2028	-	2013 / 2015	2018 / 2030
Miscellaneous Metalwork	5 - 7 yrs.	2018	2013 - 2016	2010 - 2015	2018	2013	2018	2018
Substructure	5 yrs.	2013 / 18 / 23 / 28	-	2013 / 18 / 23 / 28	2013 / 18 / 23 / 28	2016 / 23 / 28	2013 / 18 / 23 / 28	2013 / 18 / 23 / 28
Cable Investigation	5 yrs.	2018 / 2028	N/A	N/A	2019 / 2029	N/A	N/A	N/A
Suspender Replacement	80 - 100 yrs.	2018	N/A	N/A	2019	N/A	N/A	N/A