

Appendix A: Project Planning and Development
A-6 Tappan Zee Bridge Capital Costs through 2025

**TZB PROJECTS- 15 YEAR NEEDS
2010-2025**

DESCRIPTION	ESTIMATE (mil)	YEAR
Replacement of Gusset Plates (B946.1) <i>currently in design</i>	\$2.5	2011
Security Improvements- Phase 4	\$3.0	2011
Substructure Repairs (B905.5) <i>currently in design</i>	\$25.0	2012
Replace Maintenance Inspection Travelers	\$5.0	2013
Electrical Upgrades to Caisson Pumps and Controls	\$4.0	2013
Paint West Deck Truss Spans & Main Towers	\$35.0	2015
Various Infrastructure and Facilities Improvements	\$5.0	2015
Steel Repairs- West Deck Truss	\$16.0	2016
Replacement of EDT Wearing Surface	\$5.0	2016
Replacement of East Deck Truss Fascia & Open Scupper	\$30.0	2017
Replacement of East Trestle Spans Deck	\$20.0	2017
Fender Piles - Spans 1-166	\$4.0	2018
Substructure Repairs- Phase 2	\$50.0	2018
Ship Collision Protection - Auxillary Channel	\$20.0	2019
ITS	\$5.0	2019
Bridge Joint Repair/Replacement	\$5.0	2020
East Deck Truss - Painting/Overlay	\$30.0	2020
Steel Repairs - EDT & Main Towers	\$25.0	2021
Dredging (B538)	\$4.0	2022
Replace Causeway Spans (B519)	\$755.0	2023
Sesmic Retrofit (B541)	\$275.0	2023
TOTAL	\$1,323.5	

PROJECTS CURRENTLY UNDERWAY

DESCRIPTION	COST (mil)
Deck Contract #1 TANY 05-31B : In Construction	\$203.79 (est. total)
Steel Repairs - East Deck Truss TANY 08-41B - In Construction	\$29.17 (bid amt.)
Deck Contract #2 TANY 10-9: In Construction	\$146.88 (bid amt.)
TANY 09-41 Phase 3 Security Improvements: In Construction	\$1.70 (bid amt.)
TOTAL	\$381.54