

**NASSAU COUNTY BRIDGE AUTHORITY
CAPITAL PLAN
2011 TO 2016
DETAIL SCHEDULE**

NAME OF PROJECT:	ESTIMATED COSTS:	ESTIMATED START DATE:	ESTIMATED COMPLETION:
1. BASCULE SPAN MECHANICAL & ELECTRICAL COMPONENTS UPGRADE Replacement of all Motor, Brakes, and Switches, Replacement of the Current Control System, Replacement of all Motor Drives with Flux Vector Type Drives, Replacement of Open Type Switchboards with an MCC (Motor Control Center) or New Control Cabinet, Replacement of all Conduit and Wiring (except Submarine Cables), Replacement of Existing Control Desks with Control Console, and Temporary Span Operation, as required, and to include Bridge Tower Electrical Room. Testing and Replacement.	\$9,000,000	July 2011	
2. TOLL PLAZA DRAINAGE TRENCH REHABILITATION Rehabilitation and Replacement of Drainage Trenches installed in 2008, part of Roadway Rehabilitation Project (on going negotiations with James DeBruin, Inc., Consulting Engineers on jobsite)	\$150,000	September 2011	
3. REFURBISHMENT OF SERVER ROOM To include Server Upgrade and Air Conditioning Upgrade	\$100,000	April 2012	
4. RESURFACING OF APPROACH ROADWAYS & TOLL PLAZA PHASE II Replace Toll Plaza Island, Treadles and Frames	\$1,000,000	October 2012	

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5. STRUCTURAL RENOVATION OF TOLL BOOTHS Complete Interior and Exterior-- Replacement of Doors, Counters, Canopy (Traffic Control) Lighting, Flooring, Signage and New Intercom Communication System	\$1,500,000	October 2012	
6. STRUCTURAL STEEL REPAIRS Repair and Replace Bridge Structural Steel Members	\$2,500,000	November 2012	
7. REPAIRS TO CONCRETE PILES AT APPROACH SPANS These steel reinforced concrete piles are vertical supports that carry the bridge approach from the roadway down to the channel bottom. These areas are in a marine environment and are susceptible to deterioration.	\$200,000	April 2013	
8. REPLACEMENT OF SIDEWALK ON APPROACH ROADWAYS To include: Replacement of Electrical Service Vaults Covers, Replacement of Wooden Timber Perimeter Fencing and Corrugated Steel Guard Rails	\$175,000	June 2013	
9. REPAVING OF PARKING LOT AND REAR AREA OF MAINTENANCE SHOP	\$300,000	June 2013	

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10. REPAINTING OF BRIDGE STEEL SUPERSTRUCTURE	\$1,500,000	April 2014	
11. RETROFIT OF AUTOMATIC TOLL COLLECTION MACHINES/SELF SCANNER	\$75,000	October 2008	85%
12. REPLACEMENT OF ADMINISTRATION/TOLL LANE COMPUTER EQUIPMENT	\$150,000	October 2007	45%
To include: Lane Controllers and Monitors To include: Replacement of fifteen (15) computers, computer software, hardware, printers and furniture work stations.			
13. REPLACEMENT OF TOLL LANE GATES & MECHANICAL HOUSING AT TOLL PLAZA	\$75,000	October 2007	90%
14. VEHICLE REPLACEMENTS	\$450,000		
1990 Volvo Michigan Wheel Pay Loader 2000 Ford Explorer 2000 Chevrolet Impala 2003 Chevrolet Dump Truck 2006 Ford Pickup		2012 2012 2012 2013 2016	
TOTAL:	<u>\$17,175,000</u>		