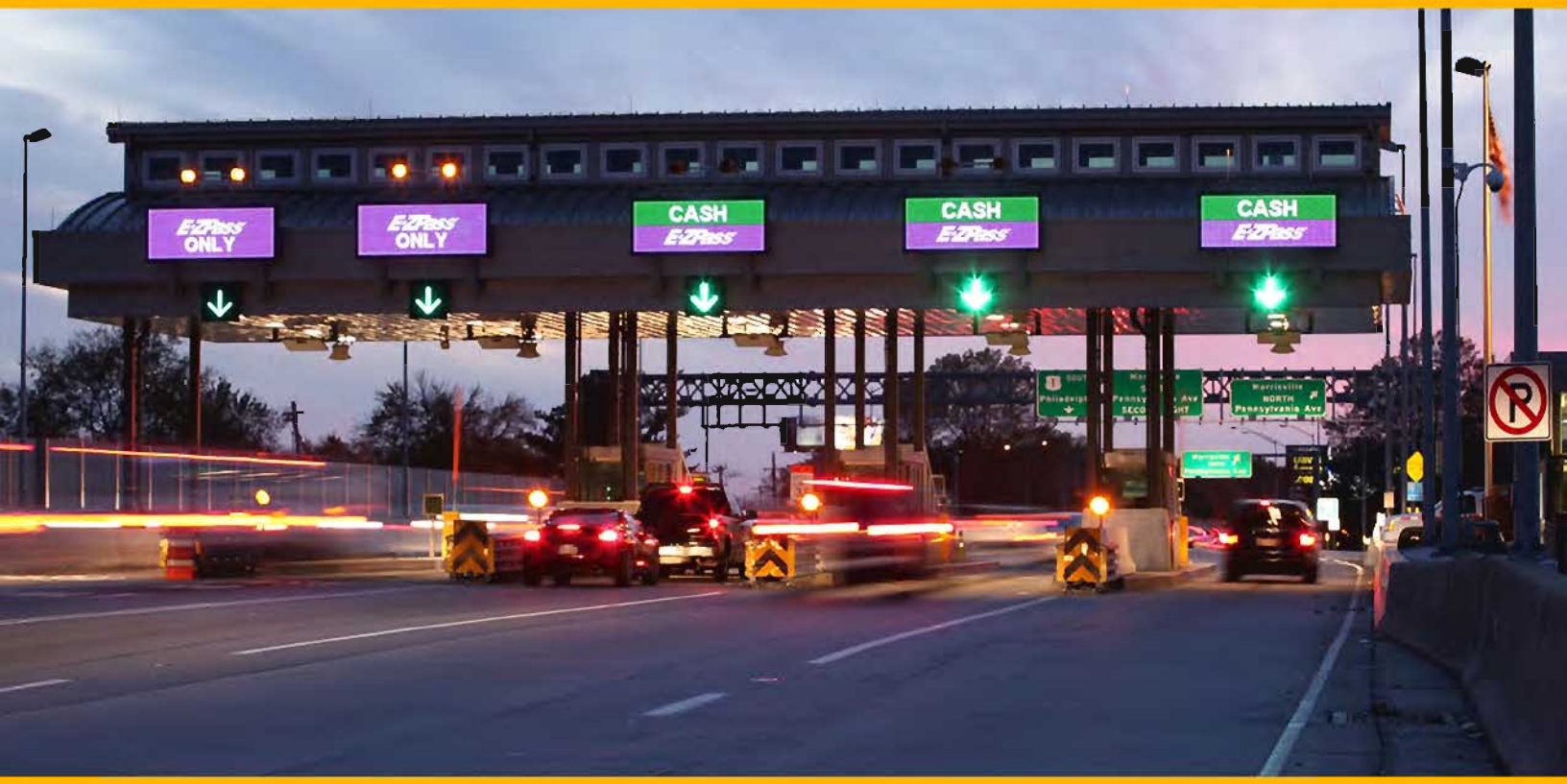
Delaware River Joint Toll Bridge Commission

Preserving Our Past, Enhancing Our Future

2011 TOLL BRIDGE ANNUAL INSPECTION REPORT

DECEMBER 2011



TOLL BRIDGES

Trenton-Morrisville
New Hope-Lambertville
Interstate 78
Easton-Phillipsburg
Portland-Columbia
Delaware Water Gap
Milford-Montague

TOLL-SUPPORTED BRIDGES

Lower Trenton
Calhoun Street
Scudder Falls
Washington Crossing
New Hope-Lambertville
Centre Bridge-Stockton
Lumberville-Raven Rock
Uhlerstown-Frenchtown
Upper Black Eddy-Milford
Riegelsville
Northampton Street
Riverton-Belvidere
Portland-Columbia

Prepared by

TranSystems

TranSystems

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December 8, 2011

Mr. Frank G. McCartney
Executive Director
Delaware River Joint Toll Bridge Commission
2492 River Road
New Hope, PA 18938-9519

RE: DRJTBC Contract No. C-07-11A
General Engineering Consultant – 2011 Annual Inspections
2011 Toll Bridge Inspections – Annual Inspection Report
Our Project Number 708110011

Dear Mr. McCartney:

It is with great pleasure that we are submitting the Consulting Engineer's 2011 Annual Inspection Report (2011 Toll Bridge Inspections) for the Commission's following facilities:

A. The seven (7) Toll Bridges, (9 structures)
B. The thirteen (13) Toll-Supported (non-toll) Bridges
C. Various roadways and thirty-four (34) approach bridges serving the main river crossings
D. The Commission's buildings and grounds
E. The Commission's vehicles and equipment

This Annual Inspection Report summarizes our findings and recommendations based upon the 2011 inspection of the Toll Bridge Facilities. An update of the 2010 inspection of the Toll-Supported Bridge Facilities was completed to indicate any material changes in the conclusion and recommendation report sections. All facilities are in operating condition.

The 2011 Annual Maintenance Report which defines activities to be undertaken by the Commission's maintenance staff is published separately.

The report identifies certain ongoing capital projects and their estimated costs for 2012 and 2013. The estimated expenditure for capital projects in 2012 is $65,955,000. In addition, an estimated expenditure of $881,767 is recommended for new vehicle and equipment purchases in 2012. Therefore, the total amount of ongoing capital projects and vehicle and equipment expenditures in 2012 is estimated to be $66,836,767. The estimated expenditure for ongoing capital projects and vehicle and equipment expenditures for 2013 is $93,426,000.

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I, William Clark, P.E., do hereby certify to the best of my knowledge, information, and belief that the information contained in the accompanying inspection report has been prepared in accordance with accepted engineering practice. This inspection and report conform to applicable requirements, criteria, guidelines, and standards as stated in the "Bridge Inspectors Reference Manual", FHWA NHI 03-001 – 2002, "Inspection of Fracture Critical Bridge Members" – 1986, as published by FHWA and the AASHTO "Manual for Condition Evaluation of Bridges" – 1994, including all interims and is true and correct at the time of the inspection. This report has been reviewed using appropriate Quality Assurance guidelines in accordance with generally accepted engineering practice.

It has been a pleasure to serve the Commission. Please contact us if you require any additional information.

Very truly yours,

TranSystems Corporation

William Clark, P.E.
Project Manager/Senior Associate

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DELAWARE RIVER JOINT TOLL BRIDGE COMMISSION

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Paramus, New Jersey

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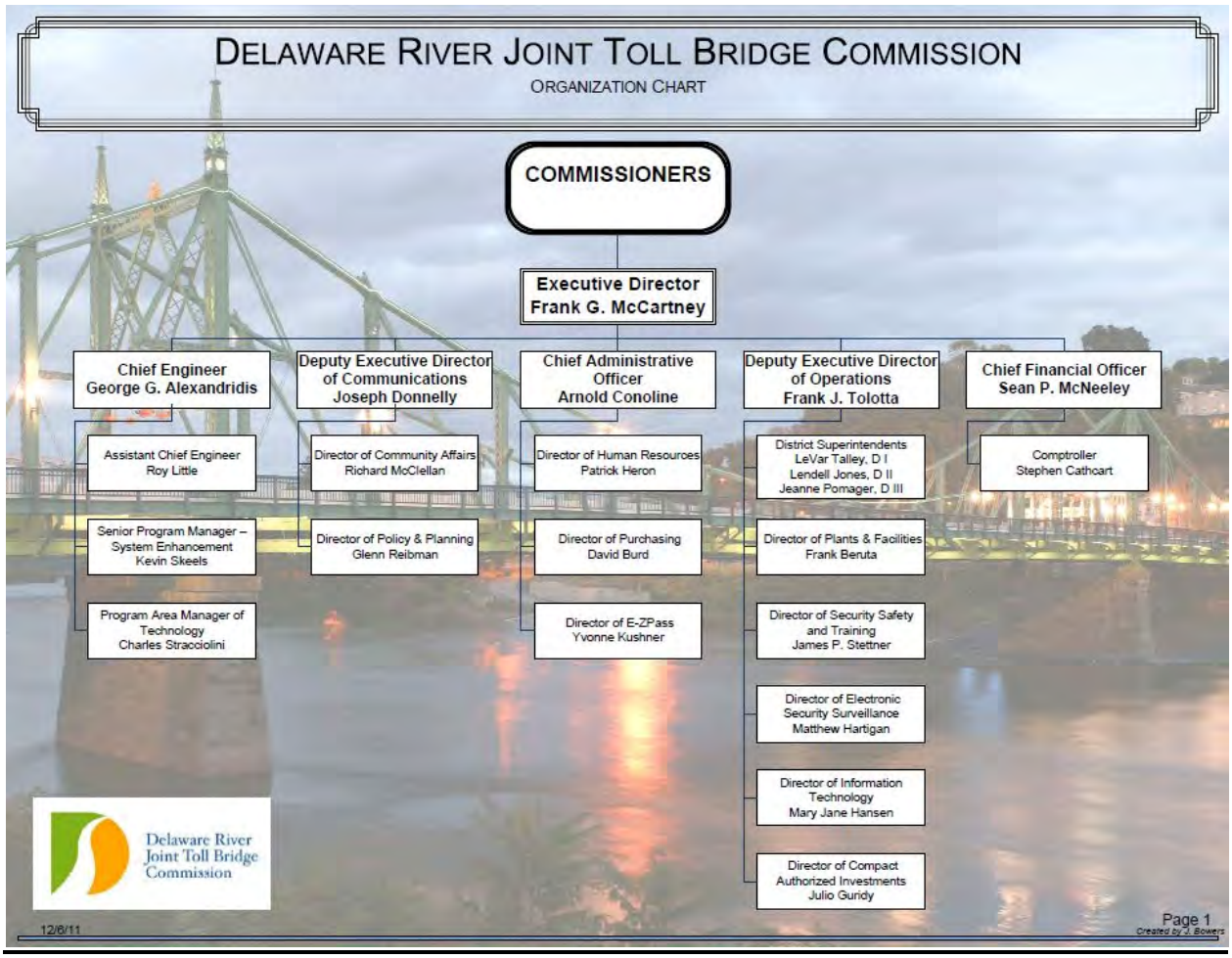


INTRODUCTION

In accordance with Federal Highway Administration (FHWA) regulations, all bridges must be inspected at least once every two (2) years, more often if warranted, due to condition. Under Section 705 of the Commission's Bridge System Revenue Bonds, Series 2007, all bridges and toll facilities are to be inspected once every two (2) years. The Commission will inspect its Toll-Supported Bridges in even years (2010, 2012, etc.) and the Toll Bridges in odd years (2009, 2011, etc.). The associated facilities and grounds will be inspected in the year the bridge is inspected.

This 2011 Toll Bridge Annual Inspection Report of bridges and facilities owned and operated by the Delaware River Joint Toll Bridge Commission contains the findings of the 2011 inspections of the Toll Bridges. This year's inspections consisted of seven (7) Toll Bridges and any accompanying facilities and approach structures. The conclusions and recommendations concerning the Toll-Supported Bridges are based on the 2010 inspections. Any updates to the 2010 conclusions or recommendations for the Toll-Supported Bridges are indicated by text that is ***bold and italicized***. The inspection findings shown for the Toll-Supported Bridges is for informational purposes.

Commission District foremen and maintenance personnel provided our inspection crew with support services and access equipment necessary for performing the inspections. Several maintenance personnel also assisted in providing a valuable 'walk through' of the bridges, prior to beginning the inspections, highlighting the major areas of concern and any previous work done on the structure.

The equipment used to access the majority of the bridges (underdeck) consisted of various length ladders, Commission-owned lift trucks, an under-bridge unit called The Bridgemaster, and rigging.

The following report highlights the significant findings observed during the inspections, including recommended measures of repairing or improving noted deficiencies, either by Commission maintenance forces or by a future contract. This report, however, does not discuss routine preventative maintenance items regularly performed by maintenance forces. Any maintenance type deficiencies which have been identified during the annual inspection can be found in the *2011 Annual Maintenance Report*, published under a separate cover, which has been prepared to expedite communication of repair work to the maintenance staff. In general these maintenance tasks include, but are not limited to, the following:

- Removal of accumulated debris from the deck, deck joints, inlets, catch basins, and drainage pipes
- Annual cleaning of structures (bridge flushing)
- Monitoring and repair of lighting and electrical work
- Removal of vegetation from substructures
- Removal of graffiti from bridges and retaining walls
- Patching concrete spalls and asphalt potholes
- Sealing roadway and bridge deck cracks
- Localized cleaning and painting of rusted steel/bearings
- Deck joint rehabilitation
- Guide rail repairs
- Miscellaneous steel repairs

A consistent numbering system was used to identify the bridge spans. Span numbering generally begins at the westernmost location of the bridge and increases to the east. However, a specific numbering system was not utilized for the individual structural members. The locations for individual members (stringers, floorbeams, etc.) are referenced by their relationship to known fixed points, such as bridge fascias and piers.

The following capital improvement projects were completed since the inception of the Capital Improvement Program in 2001. Among these projects are the following:

PROJECTS COMPLETED 2001 - 2011 (> $200,000)	PROGRAM COST
T-M TB Rehab + One Aux. NB Lane	$ 103,737,329
I-78 Roadway Rehabilitation	$ 49,255,578
Electronic Surveillance/Detection System	$ 21,358,425
Delaware Water Gap Toll Bridge Rehabilitation	$ 19,185,969
M-M Toll Bridge Rehabilitation	$ 18,507,283
E-ZPass Implementation	$ 18,023,146
CS TSB Rehabilitation	$ 10,907,951
Upper Black Eddy - Milford TSB Rehabilitation	$ 10,522,171
I-78 Open Road Tolling (ORT) Lanes	$ 10,250,074
CB-S Rehabilitation	$ 9,730,805
District 1, 2 & 3 Substructure & Scour Remediation	$ 9,701,197
NH-L TB Plaza & Bridge Rehab	$ 9,671,373
R-B TSB Rehabilitation Contract (Design / Construction)	$ 9,258,099
RGL Rehabilitation	$ 7,834,705
NHLTSB Rehabilitation Contract (Design, Construction, CM/CI)*	$ 7,700,991
Northampton Street Bridge Rehabilitation	$ 7,364,066
Phase 1 - DWG Toll Bridge ORT Implementation	$ 6,693,440
Uhlerstown-Frenchtown Rehabilitation	$ 5,779,187
NH-L Addition & Renovations	$ 5,767,617
Power Upgrades - all facilities+Struct Wiring+Telephone	$ 4,760,754
Cleaning & Painting of the LT TSB & Sign Replacement	$ 4,567,205
Phase 1 Rehabilitation & Concept Study for the Washington Crossing TSB	$ 3,362,390
NH-L TB - Floorbeam Bracket Improvements	$ 3,022,595
E-P TB Sign Struct Replacements, Repair & Signage Upgrades	$ 2,725,971
38 Projects, each under $200,000 (below threshold to be included in this list)	$ 2,252,531
P-C TB Facility Improvements	$ 2,048,044
E-P Sidewalk Replacement	$ 1,705,247
I-78 Roadway Median Improvements - New Jersey	$ 1,502,331
Scudder Falls TSB Deck Joint Replacement	$ 1,446,418
Financial Management System	$ 1,207,856
E-ZPass Customer Service Center / Violation Processing Center (CSC/VPC) DBOM (CAPITAL COSTS ONLY)	$ 1,091,651
High Priority Structural Steel Repairs at the SFTSB	$ 968,625
I-78 Expansion Dam Replacement	$ 867,788

Emergency and Priority Repair Contract (all Bridges) -T/TS 389	$	749,233
NH-L Terne Roof Replacement	$	685,101
M-M Upgrade Water Supply	$	655,889
Northerly Corridor Congestion Mitigation Study	$	647,376
E-P Replace Roof System on Admin Bldg and Garage	$	599,782
I-80 NJ Repaving (NJDOT)	$	581,442
RGL End Floorbeam Bearings (Task Order)	$	565,563
Southerly Crossing Corridor Study	$	544,643
E-P Pavement of Bridge Approaches (PennDOT)	$	517,090
I-78 Salt Storage Bin	$	485,681
Substructure & Scour Remediation	$	482,299
I-78 Roadway Median Improvements – Pennsylvania	$	458,042
CS Interim Repair Contract (Structural Steel Repairs)	$	445,913
TM Elevator Upgrade	$	436,706
WX Deck joint replacement/ rehabilitation @ Pier 1,2,4 & 5	$	407,885
Phase 1 DWG Toll Bridge ORT Study	$	405,011
IT Network Systems & Telephone Upgrades	$	377,820
Emergency and Priority Repair Contract (all Bridges) -I-80/NHTSB	$	367,116
P-C TS Ped Bridge - Handicap Accessible Ramp	$	305,656
District 3 Roof Replacement – DWG	$	297,021
P-C TSB Deck Repairs and Drainage Modifications	$	290,998
NH-L TB Electrical Improvements	$	290,466
District 3 Roof Replacement - P-C	$	265,756
2008 Long Term Traffic Projections	$	249,998
I-80 NJ Service Road Repair & Repaving	$	239,885
Replace Overhead Sign (by NJDOT)	$	230,309
NHS Inspection/Access Cable/Lifeline	$	222,044
District 3 Roof Replacement – MM	$	218,857
Furnishings and Equipment for Addition and Renovation	$	207,389
Alternative Analysis Study - Additional Capacity at Calhoun Street	$	200,343
TOTAL	**$**	**385,210,127**

The capital improvement projects shown below are underway and are either being developed, studied, designed, or constructed:

PROJECTS UNDERWAY		**PROGRAM COST**
I-95 / SF Replacement Project	$	328,595,000
Compact Authorized Investments	$	45,945,000
E-P TB Rehabilitation	$	32,426,953
I-78 Toll Bridge Parapet Upgrade and PA Side Paving Improvements	$	22,396,065
2011 - 2012 Substructure Repair & Scour Remediation	$	10,738,099
E-ZPass In-Lane System Integration DBM (CAPITAL COSTS ONLY)	$	6,911,142
NH-L TB PA & NJ Approach Roadways Repaving & NJ Route 29 Overpass Bearing Seat & Bridge Painting	$	6,883,933

TM Admin Building Renovations	$	4,112,168
L-RR TSB Rehabilitation & Retaining Wall Reconstruction	$	3,197,529
DWG Maintenance Garage Improvements	$	2,766,384
Compact Authorized Investment Consultants	$	2,000,000
R-B Water Street Improvements	$	1,318,314
System Wide Sign Study	$	1,243,026
Facility Stormwater & Drain Improvements	$	1,131,000
Fire Protection Systems at All Electronic Equipment Spaces	$	736,810
Electronic Surveillance/Detection System (ESS) Technical Consultant	$	500,000
Traffic Count Program Upgrade	$	483,500
Radio System Enhancements	$	395,000
E-ZPass ETC Technical Consultant	$	357,500
DWG / I-80 NJ Roadway Safety Improvements	$	278,931
Cartegraph Upgrades	$	275,000
Installation of Electronic Time Card System at All Commission Facilities	$	200,000
IT Digital Paperless Project	$	150,000
TOTAL	**$**	**473,041,354**

FUTURE PROJECTS		**PROGRAM COST**
DWG Toll Bridge Improvements	$	189,642,985
E-ZPass ETC System Wide Replacement w/ IAG Next Generation Technology	$	15,469,006
Cleaning & Painting of I-78 Bridges (Edge, Carpentersville, Main River, etc)	$	13,986,384
Northampton Street TSB Floor System Replacement & Rehabilitation	$	11,911,488
Broadband Communications System	$	9,584,712
Washington Crossing TSB Phase 2 Rehabilitation	$	9,537,691
Oak Street Bridge Replacement	$	6,975,227
P-C Approach Roadway Improvements	$	6,472,902
Toll-Supported Bridges – Oversize Vehicle Violation Remediation System	$	6,254,048
M-M Bearing Replacement	$	4,536,287
ESS System Enhancements	$	3,736,481
I-78 Maintenance Garage Improvements	$	3,368,414
District 3 Bridge Repairs	$	2,988,037
District 2 Bridge Repairs	$	2,859,471
E-P HVAC Upgrade	$	2,218,499
DWG HVAC Upgrade	$	2,134,621
TM HVAC Upgrade	$	2,058,298
Customer Service Center / Violations Processing Center	$	1,613,745
M-M HVAC Upgrade (incl. Emerg. Gen. Relocation)	$	1,478,798
District 1 Bridge Repairs	$	1,455,531
P-C HVAC Upgrade	$	1,421,950
I-78 HVAC Upgrade	$	1,367,439
New Hope-Lambertville Toll Bridge Salt Storage Building	$	770,000
E-P Elevator Modernization	$	730,241

Level 3 – Investment Grade Traffic and Revenue Forecasts	$	575,000
New Hope-Lambertville Toll Bridge Equipment Storage Building	$	436,875
E-P Parking Lot & Floor Drain Improvements	$	308,878
Generator Upgrade at P-C	$	279,087
Generator Upgrade at I-78	$	225,000
Commission-wide Facility Property Survey	$	220,000
Bridge Monitoring System Study for 17 Vehicular Bridges (E-P not incl.)	$	210,000
Generator Upgrade at E-P	$	187,199
IT Staff Augmentation	$	175,000
Cashless Tolling Strategy Study	$	172,500
Riverton - Belvidere TSB Officer's Shelter Improvements	$	160,000
Commission Website Upgrade & Redesign (IT)	$	150,000
Intelligent Transportation Systems (ITS) Improvement Study	$	148,062
R-B TSB Replace Storage Garage Roof Replacement	$	120,000
ETC Equipment Replacement	$	111,012
Commission-Wide Paint System Analysis	$	100,000
CIPAce Planning Software Implementation & Conversion (IT)	$	82,000
TOTAL	**$**	**306,232,867**

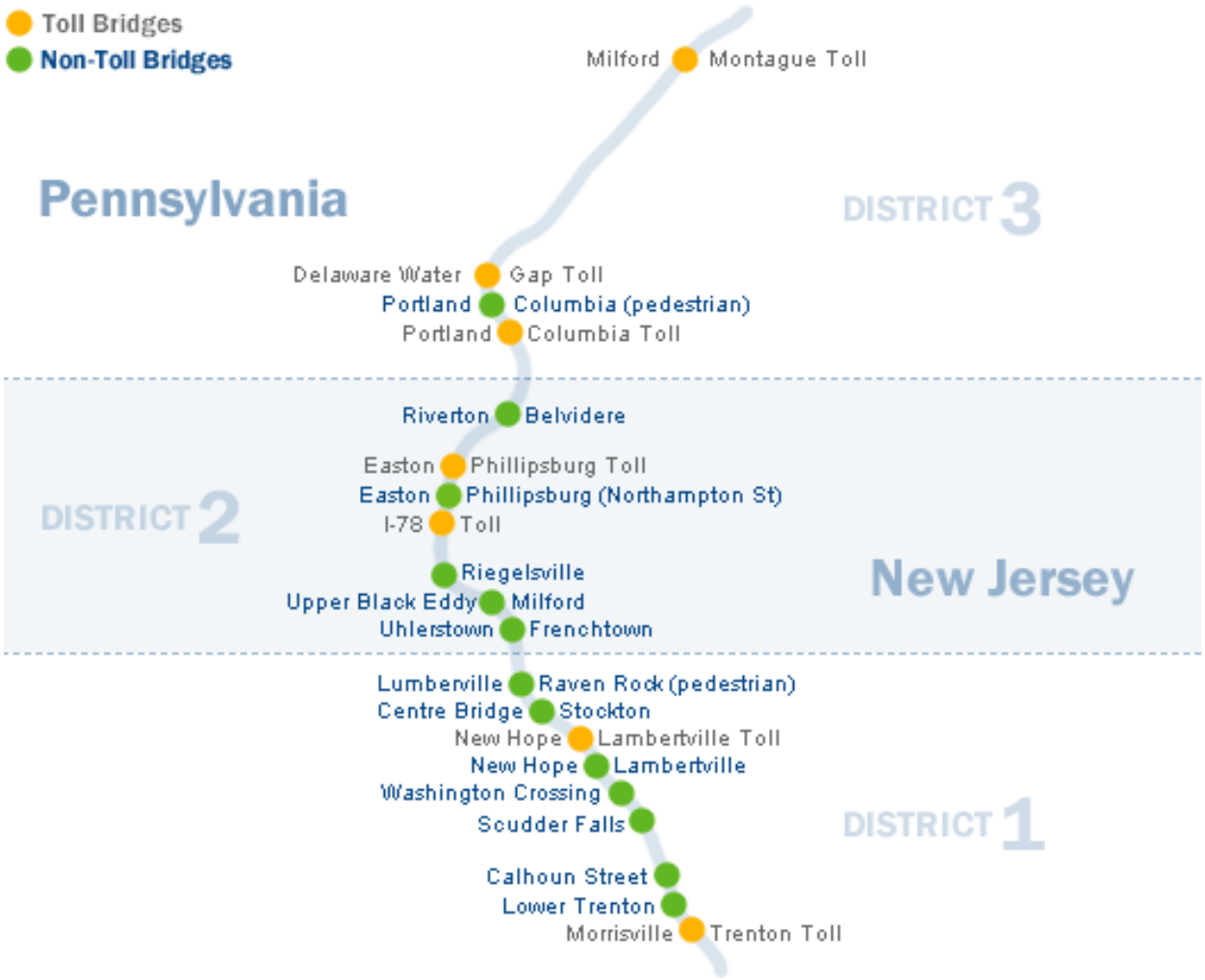
VEHICLES & EQUIPMENT, LABOR AND UNPLANNED PROJECTS (2001-2021)		**PROGRAM COST**
Vehicles & Equipment	$	26,761,149
Capitalized Capital Prgm Mgmt Consultant Expenditures	$	20,443,088
Capitalized Engineering Department Labor	$	15,398,146
Unplanned Projects	$	11,621,342
TOTAL	**$**	**74,223,725**

In 2000 the Commission adopted a “fix it right” philosophy for its Capital Program as compared to the previous “fix what’s broken” approach. The “fix it right” approach is based on the premise that whenever a project requires a bridge closure for implementation, that project must be designed so that no additional repair projects requiring a closure will be necessary for a subsequent period of at least 15 years. The estimated costs of the recommended improvements included in this report account for all costs of design, construction, construction management and inspection, and contract administration, are consistent with the Commission’s “fix it right” approach.

The format of the cost sheets for the 2011 Annual Inspection Report reflects the estimated cost of recommended improvements funded by the General Reserve in 2012 and 2013. Cost sheets for the Toll-Supported Bridges have been updated to reflect anticipated costs in 2012 and 2013. In addition the cost sheets provide the total program cost of the projects (Design, CMCI and Construction, etc.). The total in each section does not include the cost of completed projects.

The following report will summarize significant findings, recommendations, and associated estimated costs at the end of each section for each structure. Following the main reports are the recommendations for equipment and vehicle inspections and their associated repair/replacement costs. Finally, the Schedule of Insurance is provided towards the end of this report.

KEY SHEET



Delaware River
Joint Toll Bridge
Commission

COMMISSION INITIATIVES

AND SYSTEM-WIDE PROJECTS

(2012-2013 Expenditures)

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

In addition to addressing the findings of the 2010 annual inspection, the Commission has instituted in its Capital Program a number of "Commission Initiatives and System-Wide Projects". These initiatives increase the safety and security of patrons, increase the Commission's responsiveness to emergencies, identify needed future capacity improvements, and allow for increased control of projects and equipment.

The following is a partial listing of Commission Initiatives and System-Wide Projects that have begun or will begin in the near future:

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

		General Reserve Fund	
Project Description	**** Program Cost***	**2012**	**2013**
Electronic Surveillance/Detection System This project includes a Design-Build-Maintain (DBM) contract for the design, construction, system integration, and maintenance services for an Electronic Surveillance / Detection System to be installed covering eighteen of the Commission's main river bridges, approach structures, roadways, toll plazas, and facilities. Also included under this project line is the upgrade of the Commission's radio communications system as a separate contract. The consulting firm of Jacobs, Edwards and Kelcey is under contract as Program Manager to develop and oversee the DBM contract through the end of the infrastructure & equipment installation. The Electronic Surveillance / Detection System went operational in 2009 with maintenance services extending into 2012. A&I completed in 2009.	*$21,359,000*	$171,000	$0
E-ZPass In-Lane System Integration DBM (CAPITAL COSTS ONLY) The In-Lane Toll System DBM provider (ACS Government Solutions, Inc.) provided, under a best value procurement, the design, testing and installation of the Violation Enforcement System (VES) within the Commission's conventional toll lanes. The VES implementation uses an optical character recognition software and high resolution cameras to capture images of toll violators. The violation data and images are transmitted to the CSC/VPC for processing. Additionally, this work included the design, testing and installation of the Open Road Tolling (ORT) lanes equipment at the I-78 and Delaware Water Gap Toll Bridges to provide the payment of tolls at normal highway speed. Finally, the maintenance of the installed VES, ORT and existing ETC system within the conventional lanes is included in this contract.	*$6,912,000*	$264,000	$0
District 1, 2 & 3 Substructure & Scour Remediation The need for the proposed scour remediation and substructure repair work stems from the findings of the 2005 & 2006 underwater inspections. This project included scour remediation and substructure repair work including riprap placement, spall patching, crack sealing, masonry repairs, debris removal, and pier apron repairs at various bridges and utilized a two phase approach to construction under Contract Nos. T/TS-476A-1, T/TS-476A-2 in 2010 and Contract No. T/TS-573A in 2011 -2012.	*$9,702,000*	$45,000	$0

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

Project Description	* Program Cost	General Reserve Fund 2012	2013
Compact Authorized Investment Consultants	*$2,001,000*	$77,000	$0
Compact Authorized Investments	*$45,945,000*	$13,148,000	$0
In order to maintain and enhance the bridge infrastructure the Commission has programmed projects to include Compact Authorized Expenditures for host community transportation infrastructure improvements. These expenditures will be geared toward improving throughout at the Commission's facilities. This initiative is currently ongoing.			
Capitalized Engineering Department Labor	*$15,399,000*	$920,000	$956,000
This Commission initiative will track the in-house engineering department's efforts on all capital projects. The total programmed amount is shown as well as the expected expenditures in the next two years. All capitalized labor is then removed from the Commission's Operating Budget.			
Capitalized Capital Prgm Mgmt Consultant Expenditures	*$20,444,000*	$770,000	$780,000
This project includes Contract No. C-502A Capital Program Management Consultant (CPMC) Services for a three (3) year period from 2009 through 2011. Additional costs are programmed for continued CPMC expenditures to be procured under additional "CPMC" contracts as needed throughout the rest of the 10-year Rolling Capital Improvement Program.			
IT Digital Paperless Project	*$150,000*	$38,000	$0
This project will meet the commissions green initiative. completed project implementation will provide access to electronic documents. project will organize a filing system for scanned documents (blue prints, drawings, contract, PO's etc.) providing quick access and organized systems for ease of location. Included will be upgrades to our printer/scanner equipment and make use of our SAN ARRAY storage at NH/L -TM facility.			
Traffic Count Program Upgrade	*$484,000*	$451,000	$0
The work includes the replacement of the existing Traffic Count System with a new system to count traffic at all vehicular Toll Supported Bridges and the free direction of all Toll Bridges. The installation of a new traffic count program to manage the traffic data includes the replacement of the traffic counters, modems and software. The estimate is based on a C-538A-3 Draft Study Report at $8000 per site (18 sites) plus three (3) spare units (1 per district). The new system may provide increased functionality such as vehicle length data and speed data.			

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

Project Description	* Program Cost	General Reserve Fund 2012	2013
Intelligent Transportation Systems (ITS) Improvement Study This work will include conducting a study to evaluate ITS needs, inter-agency coordination with NJDOT, PennDOT, & DVRPC /NJTPA, opportunities and system components to be used at the Delaware Water Gap, Easton-Phillipsburg, Interstate 78, Trenton-Morrisville & Interstate 95 Bridges. Based on the results of this study, future costs for implementation will be programmed as a separate project.	*$149,000*	$36,000	$113,000
Fire Protection Systems at All Electronic Equipment Spaces The design and installation of fire protection/suppression systems in the spaces that house Commission electronic equipment which include, Telecommunication, IT, ESS, ETC, ORT, VES, at all Commission Toll Bridge facilities.	*$737,000*	$382,000	$332,000
Broadband Communications System The goal of the Broadband Communication System is to reduce the Commission's dependency upon leased line services as the primary communication infrastructure supporting electronic toll collection, electronic surveillance / detection system, wide area network, telecommunications, etc. Through the use of a Commission owned and operated hybrid communication network consisting of but not limited to current wireless technologies and hardwire infrastructure, a Broadband Communication System could allow for substantial reductions in the need for leased line services and the recurring operating costs associated with the same as well as provide for increased capacity.	*$9,585,000*	$130,000	$5,489,000
District 1 Bridge Repairs District 1 multi-bridge improvements -- 1 contract every 3 to 5 years. First cycle funding (2012-2013) assigned to NH-L TB PA & NJ Approach Roadways Repaving & NJ Route 29 Overpass Bearing Seat & Bridge Painting.	*$1,456,000*	$0	$0
District 2 Bridge Repairs District 2 multi-bridge improvements -- 1 contract every 3 to 5 years.	*$2,860,000*	$370,000	$916,000
District 3 Bridge Repairs District 3 multi-bridge improvements -- 1 contract every 3 to 5 years.	*$2,989,000*	$0	$156,000
Electronic Surveillance/Detection System (ESS) Technical Consultant ESS Technical Consultant - $500,000 Task Order Agreement for various ESS related project assignments.	*$500,000*	$446,000	$0

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

Project Description	* *Program Cost*	General Reserve Fund 2012	2013
Facility Stormwater & Drain Improvements Investigate facility storm water systems and floor drains to determine if any illicit connections exist. Develop conceptual plans & specs to implement recommended improvements.	*$1,131,000*	$75,000	$96,000
E-ZPass ETC System Wide Replacement w/ IAG Next Generation This project includes conducting a preliminary position paper regarding the system wide replacement of the existing ETC System in both the Conventional Toll Plaza Lanes and the ORT Lanes, also included is replacement of the VES. Upon completion of the study, this project may include the replacement of the existing system (installed in 2002) which has a 10 to 12 year life and includes upgrading the system to the E-ZPass IAG Next Generation Technology.	*$15,470,000*	$1,035,000	$8,113,000
Cashless Tolling Strategy Study This study includes the investigation of Cashless Tolling Technologies and policies implemented throughout the region and how best to incorporate within the Commission's toll facilities and the Scudder Falls Bridge.	*$173,000*	$173,000	$0
Commission-Wide Paint System Analysis In recent years the Commission has undertaken program to blast clean & paint its lead-based inventory of bridges to comply with lead abatement regulations. This work is normally performed as part of an overall bridge rehabilitation project. In general, the bridges have been painted with a moisture cured urethane system which allows the Commission to perform the painting at lower temperatures and in an environment which is generally more humid due to location over the river. The first bridges to be painted with moisture cured urethane was U-F TSB in 2002, NHS TSB in 2003 and NH-L TSB in 2004. The majority of the subsequent rehabilitations have used this same method/system with 2 of the more recent bridges, Calhoun and Riegelsville, utilizing an organic zinc, epoxy, urethane NEPCOAT B paint system. This study will evaluate these paint systems to determine their longevity and the need to revisit repainting of these bridges in the future. It will also examine the galvanizing systems on all Commission monotubes at EP, DWG & PC.	*$100,000*	$100,000	$0
E-ZPass ETC Technical Consultant The program includes the Electronic Toll Collection / Tolling Task Order Consultant. This contact has a not to exceed limit of $500,000 for 2 years and is a Task Order Assignment for various ETC /Engineering related projects, including providing staff augmentation.	*$358,000*	$244,000	$0

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

Project Description	* *Program Cost*	General Reserve Fund 2012	2013
Radio System Enhancements The radio project consists of constructing and continually enhancing the DRJTBC 800 MHz radio system that extends from Trenton-Morrisville to Milford-Montague. The new radio system enables inter-district communications as well as interoperability with the Pennsylvania and New Jersey State Police. Future enhancements are planned to enable the Commission to speak directly to PennDot and NJDOT to coordinate highway incidents, snow plowing operations, and other roadway issues.	*$395,000*	$150,000	$0
Level 3 – Investment Grade Traffic and Revenue Forecasts This project includes developing a complete financial grade traffic and revenue study for the Commission's Seven Toll Bridges and the Scudder Falls Bridge. This project will continue where the 2009 Traffic and Revenue Projections Study (C-501A) left off.	*$575,000*	$575,000	$0
Bridge Monitoring System Study for 17 Vehicular Bridges (E-P not incl.) This project includes a needs assessment study to determine the feasibility of implementing a Bridge Monitoring System (SMART technology) at a number of the Commission's high risk vehicular bridges. E-P Toll Bridge was studied initially. The findings at E-P Toll provided the following results: Nominal stresses due to traffic (live load) in the upper and lower chord members were very low (< 500 psi) Temperature changes were far more significant (~6000 psi for 35 deg. change) Stresses due to temperature change indicate significant confinement of the span not attributable to the bottom chord. Diagonal eye bars appear to be carrying very low level of load compared to original design. The 3D finite element model has been constructed; error screened and globally calibrated using dynamic test results. As a result of the study at E-P Toll Bridge the consultant has identified the following type of bridges where the results may be very helpful: Potential for Flood Damage Identify if damage to lower chord members (due to impact by debris) could result in a collapse (Vulnerability) Repeated Overloaded Vehicles Assess the impact on bridge performance (Vulnerability) Identify when they occur (Hazard) The following three bridges were determined to fall into these two categories: Riverton-Belvidere, Northampton Street, New Hope-Lambertville Toll Supported. The cost is based on each of the three locations to cost approximately $70,000	*$210,000*	$0	$210,000

(Start in 2014)

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

Project Description	* Program Cost	General Reserve Fund 2012	2013
System Wide Sign Study This project will consist of the inspection of a sample of the Commission's 1,500 roadway signs at the Commission's 20 Toll and Toll Supported Bridges to comply with the latest MUTCD. Upon completion of the study, the project will include advancing the recommendations from the study for sign panel replacement or maintenance, therefore meeting the MUTCD new requirements.	*$1,244,000*	$87,000	$617,000
ESS System Enhancements This project will consist of an ESS system upgrade to include updated software, firmware, operating platforms, integration of the access control system and Mate analytics. Additionally, the project will provide for the survey, procurement, and installation of infrared lighting to illuminate critical areas of infrastructure that are currently not adequately viewable during the hours of darkness. Furthermore, the project will include the projection and viewing of DRJTBC cameras on the "big wall" of the NJ State Police Regional Operations Intelligence Center during major incidents involving DRJTBC property. Future enhancements include the installation of additional cameras as well as license plate recognition capability of the system.	*$3,737,000*	$1,207,000	$1,285,000
2011 - 2012 Substructure Repair & Scour Remediation This project consists of scour remediation and substructure repair work including riprap placement, spall patching, crack sealing, masonry repairs, debris removal, and pier apron repair items at the Lower Trenton, Calhoun Street, Washington Crossing, New Hope-Lambertville and Lumberville-Raven Rock Toll Supported Bridges and Interstate 78, Portland-Columbia and Delaware Water Gap Toll Bridge facilities as identified in the findings of the 2005 & 2006 underwater inspections. The Concept Study portion of this assignment included in-depth inspections of each bridge substructure to determine appropriate repairs.	*$10,739,000*	$8,066,000	$0
Cartegraph Upgrades This project will provide for the implementation of Cartegraph's SIGNview, SIGNALview, LIGHTview, STORMview and VERSAtools for radios and computers into the same database that currently contains WORKdirector and VERSA tools for ESS. The budgetary estimate also includes GIS and mobile computing.	*$275,000*	$75,000	$0
Customer Service Center / Violations Processing Center This project includes the design, build, maintenance and operation of the E-ZPass Customer Service Center / Violation Processing Center. Included in this project is the preparation and testing of the software/back office to convert existing Electronic Toll Collection (ETC) CSC/VPC from the current vendor to a vendor selected through a best value procurement.	*$1,614,000*	$404,000	$1,211,000
Installation of Electronic Time Card System at All Commission Facilities Installation of electronic time card system at all commission facilities	*$200,000*	$98,000	$0

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

Project Description	* Program Cost	General Reserve Fund 2012	2013
Toll-Supported Bridges – Oversize Vehicle Violation Remediation System This project will consist of concept / feasibility study, design and installation of Intelligent Transportation System (ITS) type solutions such as Weigh In Motion (WIM) and / or Over-Height Vehicle Detection System (OVDS) devices at the Toll-Supported Bridge facilities for the purpose of alerting drivers if their vehicles are over-weight / over-height as the approach a bridge and in advance of their crossing the same.	*$6,255,000*	$0	$77,000
Commission-wide Facility Property Survey This project will consist of performing deed research, limited field reconnaissance and property line reconciliation. Property lines will be plotted onto Ortho Photographs as part of the Cartegraph System. The work should be performed as a TOA assignment. Phase 2 - RFP - Hire a general consultant to manage entire Commission wide survey program who would then hire local firms to do the property surveys. General consultant would act as a Program Manager.	*$220,000*	$220,000	$0
Commission Website Upgrade & Redesign (IT) Upgrade and redesign our current DRJTBC.org website adding additional functionality. (IT Dept)	*$150,000*	$150,000	$0
ETC Equipment Replacement The computer workstations were installed in 2002 as part of the Integration and Implementation of the E-Z Pass system on 2002 and are now obsolete. The work covered by this project will replace the PC's and related equipment with the latest PC technology. The computers are used by the Commission Staff (Audit Department, Toll Officers, Engineering, Superintendents etc.) to access and record toll data.	*$112,000*	$112,000	$0

**The Program Cost includes the costs from 2001- 2020*

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS

		General Reserve Fund	
Project Description	**** Program Cost***	**2012**	**2013**
IT Staff Augmentation Consultant under the existing task order agreement (C-538A) to provide two (2) full time (40 hours/week) individuals for a minimum of six (6) months to assist the Commission's IT Department. CarteGraph Implementer - Implement all modules of the Commission's CarteGraph System; Implement and develop interactive GIS maps for CarteGraph systems; Manage the implementation of the Commission's new Traffic Count System Software. CIP Implementer - Implement CIP management software to integrate with MUNIS Finance system; Conversion/input of data to CIP; Train engineering staff to use CIP software.	*$175,000*	$175,000	$0
CIPAce Planning Software Implementation & Conversion (IT) This project includes the implementation of the Commission's CIP ACE Software, which is the Capital Improvement Program Planning Software. Work includes data conversion from the Commission's legacy system.	*$82,000*	$82,000	$0

	**** Program Cost***	**2012**	**2013**
Total for all of the above Commission Initiatives and System-wide Projects:	***$183,887,000***	***$30,276,000***	***$20,351,000***

**The Program Cost includes the costs from 2001- 2020*

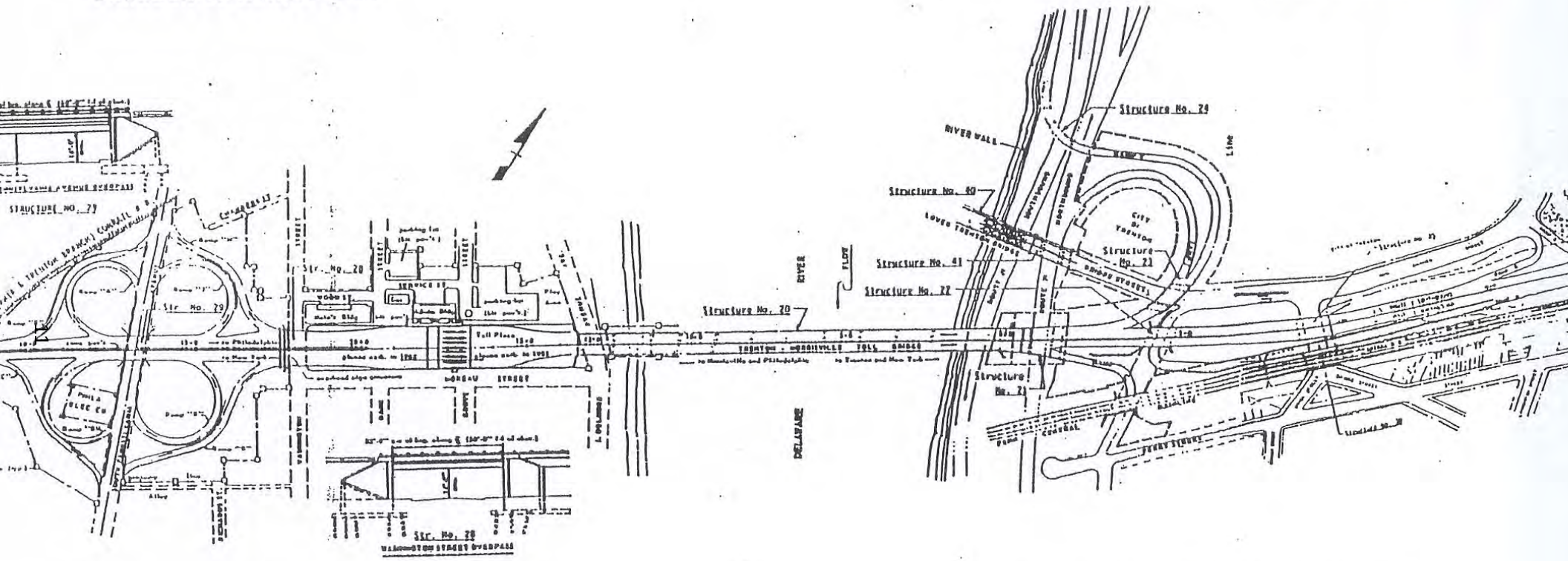
TRENTON-MORRISVILLE

TOLL BRIDGE FACILITY

(Structure No. 20)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
BOROUGH OF MORRISVILLE

STATE OF NEW JERSEY
COUNTY OF MERCER
CITY OF TRENTON



PENNSYLVANIA APPROACH TO THE
TRENTON-MORRISVILLE TOLL BRIDGE

NEW JERSEY APPROACH TO THE
TRENTON-MORRISVILLE TOLL BRIDGE

TRENTON - MORRISVILLE TOLL BRIDGE

GENERAL

TRENTON-MORRISVILLE TOLL BRIDGE
(12 span, simply supported, composite steel multi-girder)

The Trenton-Morrisville Toll Bridge (Structure No. 20) carries US Route 1 over the Delaware River between Trenton, New Jersey and Morrisville, Pennsylvania.

The main bridge is a twelve span, simply supported, composite steel girder structure with an overall length of 1,322 feet. The substructure consists of reinforced concrete abutments and piers with granite facing on the piers. The bridge was originally constructed by the Commission in 1952 as a four (4) lane roadway, and widened to six (6) lanes in 1965 for a total roadway width of 62 feet. In 1983 an aluminum barrier was erected across the bridge, creating three southbound and two northbound lanes. In 1992, the toll plaza was converted to one-way collection under Contract No. T-312. In 2009 an extensive widening and rehabilitation project was completed, creating an additional northbound lane. The current configuration has three (3) northbound and three (3) southbound lanes.

The posted speed limit in the northbound direction is 40 mph while the speed limit on the approach in the southbound direction is 50 mph, which decreases to 40 mph near the Union Street overpass.

The multi-year project for the widening and rehabilitation of the Route 1 corridor was completed under Contract T-380B in 2009. This work included the main river bridge and approach structures in New Jersey and Pennsylvania and included the addition of an approach structure in New Jersey (Ramp "C"). The project's major elements included the following work:

- Rehabilitating the main river bridge and widening it to accommodate a northbound auxiliary lane for exiting into Trenton
- Providing a deceleration lane on the viaduct over the Delaware Canal and Conrail property on the Pennsylvania side of the bridge
- Modifying the interchange at South Pennsylvania Avenue in Morrisville and installing a new traffic signal and resurfacing the pavement on South Pennsylvania Avenue
- Installing noise walls adjacent to northbound Route 1 in Morrisville
- Constructing a new toll plaza, serving southbound motorists on the Morrisville side of the bridge
- Realigning the NJ Route 29 Ramp (Ramp C) and constructing a new bridge over Route 29 to allow for improved access to that highway
- Rehabilitating, cleaning and repainting structural steel components of the bridge and its Route 1 approaches

TRENTON-MORRISVILLE TOLL BRIDGE APPROACH STRUCTURES

The New Jersey approach consists of nine approach structures. The Pennsylvania approach consists of two approach structures.

TRENTON-MORRISVILLE TOLL BRIDGE FACILITY AND GROUNDS

The southbound one-way toll plaza, located at the Pennsylvania approach, has five toll lanes. A new toll plaza was constructed in 2009 and consists of three tollbooths erected on concrete islands, and two E-ZPass only lanes, an overhead canopy and a service tunnel for the toll collection staff and ETC equipment. All lanes are equipped for E-ZPass. The toll system barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes

Contract No. T-500A Trenton - Morrisville Administration Building Elevator Modernization was completed in 2009.

The 2011 inspection included the main river bridge, eleven approach bridges, and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

TRENTON-MORRISVILLE TOLL BRIDGE MAIN RIVER BRIDGE
(12 span, simply supported, composite steel multi-girder)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in very good condition.

The superstructure and substructure are in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure was found to be in satisfactory condition with exposed footings at the piers.

The sign structures (2) in Span 11 and Span 2 are in good condition.

ROUTE 29 OVERPASS (NJ)
(3 span, prestressed concrete spread box beams)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

RAMP N OVERPASS (NJ)
(1 span, steel multi-girder)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

RAMP IY OVERPASS (NJ)
(3 span, steel multi-girder)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

RAMP Y OVERPASS (LONG RAMP) (NJ)
(4 span, steel multi-girder)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

UNION STREET OVERPASS (NJ)
(1 span, steel multi-girder)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in very good condition.

The superstructure and substructure are in good condition.

CENTER STREET UNDERPASS (NJ)
(1 span, riveted steel plate girders)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

BROAD STREET UNDERPASS (NJ)
(1 span, steel multi-girder)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

RAMP N OVER UNION STREET (NJ)
(3 span, prestressed concrete girders)

The structure is in overall good condition.

The deck is in very good condition.

The approach roadway, superstructure and substructure are in good condition.

RAMP C OVER NJ ROUTE 29 (NJ)
(3 span, steel multi-girder)

The structure is in overall very good condition.

The deck, approach roadway, superstructure and substructure are in very good condition.

WASHINGTON STREET OVERPASS (PA)
(1 span, steel multi-girder)

The structure is in overall good condition.

The deck is in very good condition.

The approach roadway, superstructure and substructure are in good condition.

The sign structure at the south approach is in good condition.

SOUTH PENNSYLVANIA AVENUE OVERPASS (PA)
(1 span steel multi-girder)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in very good condition.

The superstructure and substructure are in good condition.

The sign structures (2) at the north approach and south approach exit ramp are in good condition.

TRENTON-MORRISVILLE TOLL BRIDGE FACILITY AND GROUNDS

The HVAC system is not working adequately. HVAC system replacement is currently programmed in the future for the Trenton – Morrisville Administration Building.

The existing roof of the administration building consists of rubber membrane system. Repair patches were observed on the roof. Occasional roof leakage has been reported on all of the building roofs at the facility. The maintenance facility administration building roof replacement is in the planning stage.

The administration building brick and stone facade exhibits areas of distress and displacement of the bricks due to pressure resulting from water intrusion. The interior of the administration building exhibits water damage adjacent to windows at several locations. There are sections of sidewalk and curb around the facility that exhibit settlement, cracking and spalling.

The Commission has currently engaged a Task Order Assignment Agreement Consultant to perform a concept study report for district-wide facilities strategic planning. The purpose of this assignment is to provide the Commission with guidance for future facilities projects in order to account for administrative, operation and maintenance projected needs.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

TRENTON-MORRISVILLE TOLL BRIDGE MAIN RIVER BRIDGE

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

ROUTE 29 OVERPASS (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

RAMP N OVERPASS (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

RAMP IY OVERPASS (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

RAMP Y OVERPASS (LONG RAMP) (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

UNION STREET OVERPASS (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

CENTER STREET UNDERPASS (NJ)

The structure is in overall good condition

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

BROAD STREET UNDERPASS (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

RAMP N OVER UNION STREET (NJ)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

RAMP C OVER NJ ROUTE 29 (NJ)

The structure is in overall very good condition

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

WASHINGTON STREET OVERPASS (PA)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

SOUTH PENNSYLVANIA AVENUE OVERPASS (PA)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

TRENTON-MORRISVILLE TOLL BRIDGE FACILITY AND GROUNDS

Concept studies & preliminary and final design will need to done to implement the necessary improvements to the Administration Building. A study should be performed to determine the best method of upgrading the HVAC system.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Trenton-Morrisville Toll Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
380	**T-M TB Rehab + One Aux. NB Lane**	*$103,738,000*	$5,206,000	$78,000
	BRIDGES SUB TOTAL	***$103,738,000***	**$5,206,000**	**$78,000**
	Facilities and Grounds			
TMTB	**Unplanned Projects**	*$1,400,000*	$100,000	$104,000
466	**TM HVAC Upgrade**	*$2,059,000*	$0	$1,001,000
519	**TM Admin Building Renovations**	*$4,113,000*	$33,000	$1,163,000
	FACILITIES AND GROUNDS SUB TOTAL	***$7,572,000***	**$133,000**	**$2,268,000**
	TOTAL COST	***$111,310,000***	**$5,339,000**	**$2,346,000**

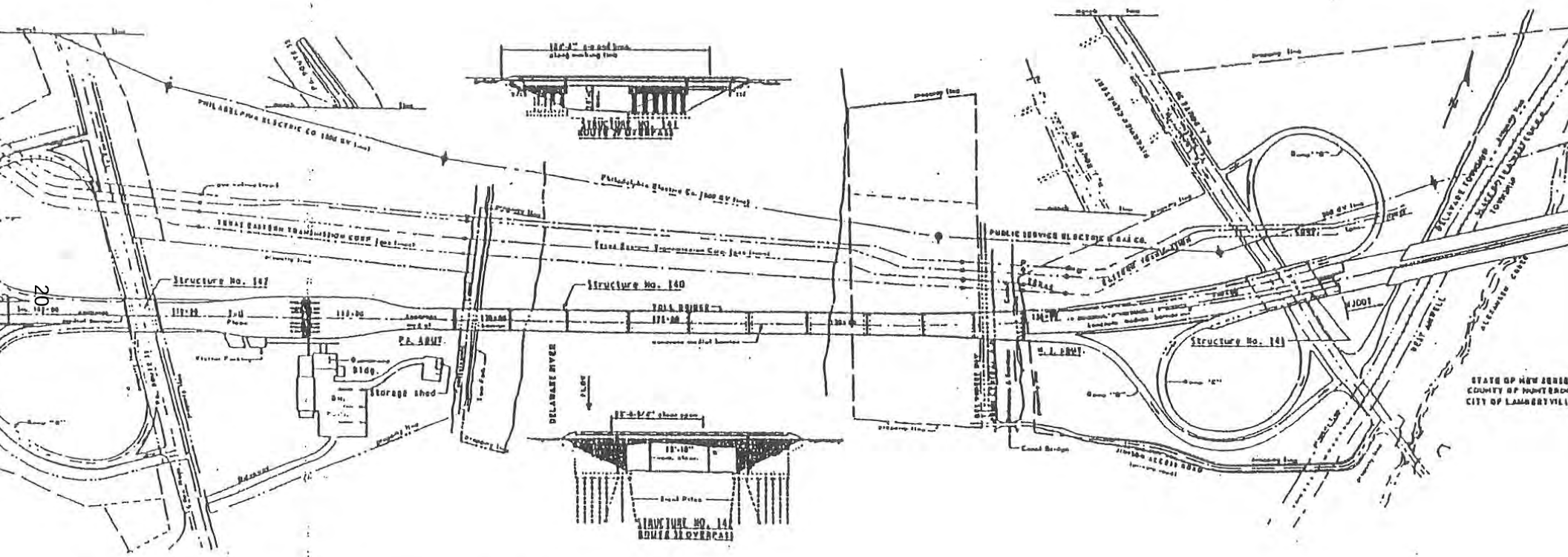
NEW HOPE-LAMBERTVILLE

TOLL BRIDGE FACILITY

(Structure No. 140)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
TOWNSHIP OF SOLEBURY

STATE OF NEW JERSEY
COUNTY OF HUNTERDON
TOWNSHIP OF DELAWARE



PENNSYLVANIA APPROACH TO THE
NEW HOPE-LAMBERTVILLE TOLL BRIDGE

NEW JERSEY APPROACH TO THE
NEW HOPE–LAMBERTVILLE TOLL BRIDGE

NEW HOPE - LAMBERTVILLE TOLL BRIDGE

GENERAL

NEW HOPE-LAMBERTVILLE TOLL BRIDGE
(10 span, continuous, steel two girder/floorbeam/stringer)

The New Hope-Lambertville Bridge (Structure No. 140) was opened to traffic on July 22, 1971 and carries US Route 202 over the Delaware River between Delaware Township, New Jersey and Solebury Township, Pennsylvania.

The bridge is a ten span, continuous, steel two girder and floorbeam structure. The deck is reinforced concrete and carries two lanes of traffic in each direction separated by a median barrier. The substructure units are composed of reinforced concrete with stone facing. The total length of the structure is 1,682 feet measured from center to center of bearings. In 2003, the Rehabilitation of the New Hope-Lambertville Toll Bridge was completed under Contract No. T-370B-3. Work completed under this contract included deck, bearing (installed isolation bearings), deck joint, parapet, light pole, and guide rail rehabilitation as well as miscellaneous cleaning and painting as needed on the bridge.

Complete rehabilitation of the floorbeam cantilever brackets was completed in October 2009 under Contract No. T-498A. All of the 130 steel cantilever bracket tie plates on the bridge were strengthened with high strength steel. Structural repairs were also made to the stringer bearings and steel catwalk, which included replacing the stringer bearing bolts and replacement of deteriorated sections of the catwalk.

Substructure Repairs of piers 2 through 6 including both abutments were completed under Contract No. T/TS-476A-1 in 2010. These repairs included masonry repointing at piers 2 and 4 and both abutments. Epoxy injection crack sealing of piers 2 through 6 and the NJ abutment were also completed at this bridge.

NEW HOPE-LAMBERTVILLE APPROACH BRIDGES

The Commission's jurisdiction also includes the loop-ramp interchanges with overpasses provided at Route 29 in New Jersey and Route 32 in Pennsylvania. The posted speed limit on the approach roadways is 55 mph.

NEW HOPE-LAMBERTVILLE FACILITY AND GROUNDS

The toll plaza on the Pennsylvania approach was reconstructed in 2003 under Contract No. T-370B-2, and has one-way toll collection, replacing the two-way collection prior to the rehabilitation. Two lanes are equipped with toll booths and two lanes are E-ZPass only, but all four (4) lanes are equipped with E-ZPass and can accept cars or trucks. The toll plaza is erected on concrete islands and is protected with an overhead canopy that matches the Operations building roof. The toll booth barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes

Contract No. T-397B, New Hope - Lambertville Toll Bridge Building Administration Building Renovations & Addition, was completed in October 2008 and rededication of the building was held in December 2008. Contract No. T-397B included upgrades to the HVAC system and installation of a back-up generator to supply all power needs of the facility. In 2010, highway lighting electrical improvements were completed under Contract No. T-554A. The work included providing, installing and testing electrical equipment, grounding, and circuits for the highway lighting electrical system and replacements and upgrades of electrical panel board's equipment at the New Hope-Lambertville Toll Bridge Administration Building.

Upon rededication of the Administration Building in 2008, the New Hope – Lambertville Toll Bridge facility is now known as the New Hope Headquarters and Administration Building and houses most of the Commission's Executive Staff as well as some administrative and operations staff.

The 2011 inspection included the main river bridge, two approach bridges, and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

NEW HOPE-LAMBERTVILLE TOLL BRIDGE
(10 span, continuous, steel two girder/floorbeam/stringer)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in fair condition. There are medium to wide transverse partially sealed cracks at the east and west approach roadways.

The superstructure, substructure and pin and hanger system are in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure was found to be in good condition.

The sign structures (2) in Span 2 and Span 8 are in satisfactory condition.

ROUTE 29 OVERPASS
(3 span, simply supported, steel multi-stringer)

The structure is in overall fair condition due to substructure deterioration.

The deck is in good condition. The deck joints are deteriorated and require frequent repairs.

The approach roadway is in fair condition. The approach roadways exhibit several fine to medium cracks throughout.

The superstructure is in satisfactory condition. Up to 1/8" material loss was noted at the bottom flange of several stringers.

The substructure is in fair condition. Several large areas of hollow concrete and spalls with exposed rebars are noted at the east abutment breastwall and the pier caps and columns.

ROUTE 32 OVERPASS
(1 span, reinforced concrete rigid frame)

The structure is in overall satisfactory condition with minor deterioration to the superstructure.

The roadway is in good condition.

The superstructure is in satisfactory condition. The intrados (exposed face) of the rigid frame exhibits few fine to medium cracks with efflorescence at the north and south ends of the midspan. Spalls are noted over PA Route 32 southbound right lane and right shoulder.

The substructure is in good condition.

NEW HOPE-LAMBERTVILLE TOLL BRIDGE FACILITY AND GROUNDS

The New Hope-Lambertville tollbooths and tunnel are in good condition. The roadways at the tollbooths are in good condition. The administration building and attached maintenance garage facility roofs were replaced in 2007. The Commission owned roadway throughout the jurisdiction exhibits numerous areas of sealed and partially sealed random cracks, surface wearing, uneven patchwork and spalling.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

NEW HOPE-LAMBERTVILLE TOLL BRIDGE MAIN RIVER BRIDGE

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

ROUTE 29 OVERPASS

The structure is in overall fair condition due to the substructure condition.

- The scope of work for the upcoming Contract No. T-543A will include the following:

- Consideration should be given to replacing the deck joints throughout the structure with a more durable type of joint which will reduce the need for frequent repairs.
- There are several areas of spalls with exposed reinforcement and hollow concrete areas at the east abutment and Piers 1 and 2 that should be patched with concrete.
- Clean and paint the fascia stringer ends and bearings at the abutments and piers.
- Consideration should be given for replacement of existing bearings with elastomeric pads.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

ROUTE 32 OVERPASS

The structure is in overall satisfactory condition with some minor deterioration of structural elements (concrete arch).

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

NEW HOPE-LAMBERTVILLE TOLL BRIDGE FACILITY AND GROUNDS

- The scope of work for the upcoming Contract No. T-543A will include:
  - Repaving approach roadways.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

New Hope Lambertville Toll Bridge

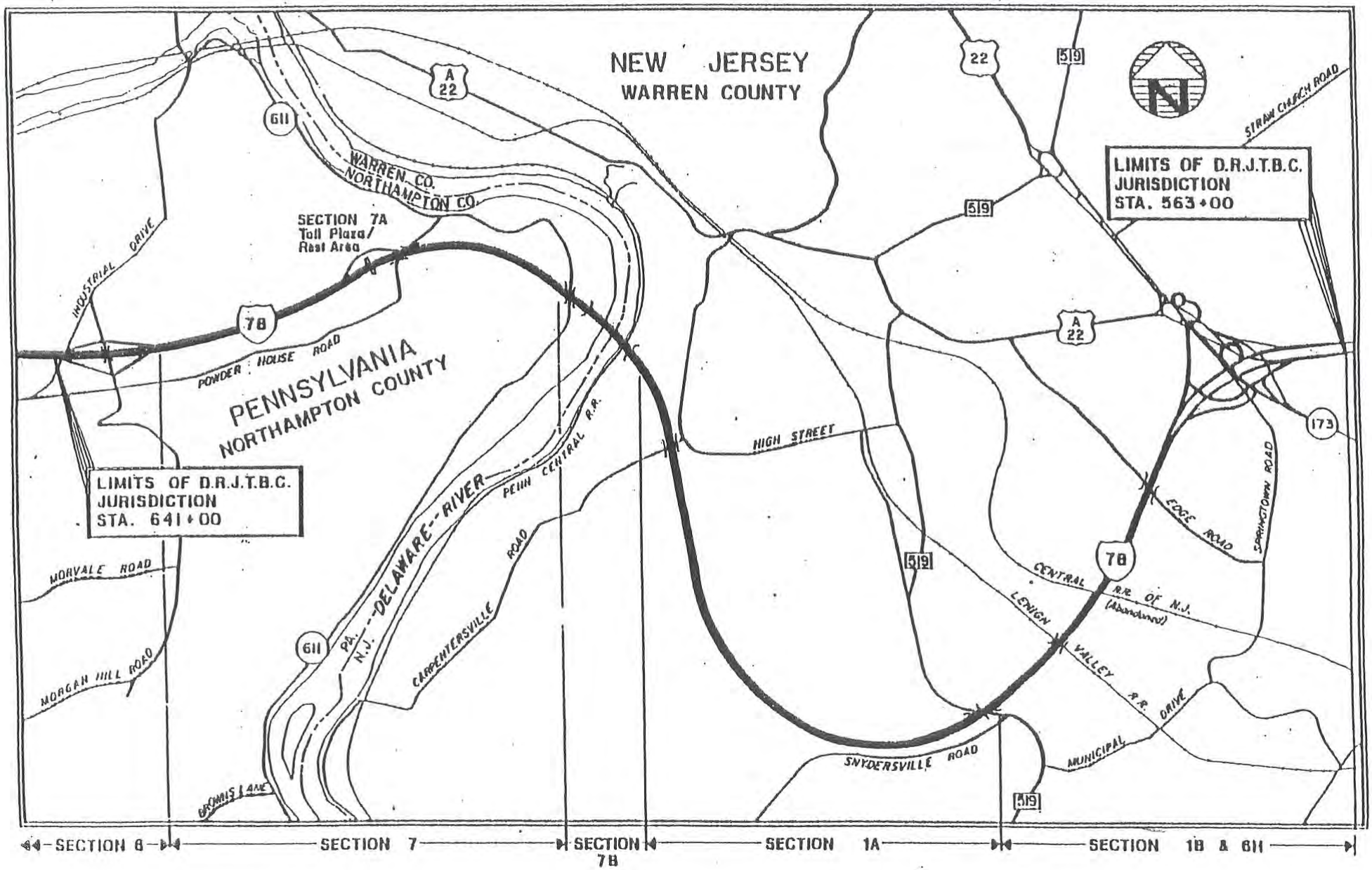
ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
543	**NH-L TB PA & NJ Approach Roadways Repaving & NJ Route 29 Overpass Bearing Seat & Bridge Painting**	*$6,884,000*	$2,350,000	$4,465,000
	BRIDGES SUB TOTAL	***$6,884,000***	**$2,350,000**	**$4,465,000**
	Facilities and Grounds			
NHLTB	**Unplanned Projects**	*$1,052,000*	$75,000	$78,000
521	**New Hope - Lambertville Toll Bridge Equipment Storage Building**	*$437,000*	$0	$38,000
611	**New Hope - Lambertville Toll Bridge Salt Storage Building**	*$770,000*	$770,000	$0
	FACILITIES AND GROUNDS SUB TOTAL	***$2,259,000***	**$845,000**	**$116,000**
	TOTAL COST	***$9,143,000***	**$3,195,000**	**$4,581,000**

INTERSTATE 78

TOLL BRIDGE FACILITY

(Structure Nos. 270 & 275)



INTERSTATE 78
TOLL BRIDGE

GENERAL

INTERSTATE 78 TOLL BRIDGE MAIN RIVER BRIDGE
(Twin 7 span, continuous, steel multi-girder)

The Interstate 78 toll bridge carries traffic over the Delaware River between Williams Township, Northampton County, Pennsylvania and the Town of Phillipsburg, Warren County, New Jersey. The facility was opened to traffic on November 21, 1989.

The Interstate 78 main river bridge (Structure Nos. 270 & 275) is a twin, 1,222 foot long, four girder, 7 span continuous steel bridge. The dual roadways are each 46 feet from curb to curb and carry three lanes of traffic. The substructure consists of reinforced concrete hammerhead piers and reinforced concrete stub abutments. The posted speed limit on the bridge is 55 mph.

INTERSTATE 78 APPROACH BRIDGES

The New Jersey approach consists of six (6) approach structures. The Pennsylvania approach consists of five (5) approach structures. In total there are eleven (11) approach structures owned and maintained by the Commission that are part of the Interstate 78 Toll Bridge Facility.

In 2011, the west deck joint of the I-78 Westbound over County Route 519 Bridge at Milepost 2.2 in New Jersey was rehabilitated after it began to fail.

On Friday, April 1, 2011 at approximately 7:15pm a sudden and unexpected rock slide occurred along the I-78 Eastbound roadway in the vicinity of Milepost 77.1 in Pennsylvania approximately one-half mile west of the Delaware River. The rock slide debris blocked the right shoulder and right lane of the roadway. French and Parrello geotechnical engineers further evaluated the entire length of the rock slope for loose and potentially unstable areas for cleanup in the short term. Under the supervision of French & Parrello and Commission Engineers, the additional identified areas of loose rock were removed. A monitoring plan was developed by French & Parrello and implemented calling for the area to be monitored on a weekly basis by the Commission's Maintenance Staff and on a monthly basis by the Commission's Engineering staff.

INTERSTATE 78 ROADWAY

The Commission's jurisdiction extends approximately 2.2 miles to the west at the Pennsylvania approach and includes five (5) bridges and a Welcome Center. The New Jersey approach extends approximately 4.2 miles to the east from the main river bridge and includes six (6) approach structures (not including Conrail over I-78 or the Route 22/173 structures).

In October 2009, the Commission completed Contract T-424A, I-78 Roadway Rehabilitation, a two-year, rehabilitation project along the agency's 4.2-mile segment of I-78 in New Jersey. The project included subsurface remediation to address sinkholes as well as rehabilitating cracked roadway conditions as a result of heavy truck traffic along the roadway. Subsurface voids were filled and stabilized as part of the project; the Commission's New Jersey segment of I-78 is in an area where subsurface limestone geologic formations are prone to sinkholes. Work included rehabilitation of the concrete roadway, utilizing a variety of techniques including polyurethane

grout injection and concrete slurry grouting. Crack stitching was also utilized at numerous locations, complete full depth replacement of the roadway was completed at the worst locations. The Still Valley Exit 3 Ramp was also rehabilitated as part of the project. Other improvements included repairs to various overpasses and secondary bridge structures, and the installation of a variety of safety upgrades, such as new striping and guiderails.

In 2010, the Commission completed two Design-Build Contracts, DB-562A & DB-563A, for the design and installation of median guide rails along the Commission's jurisdiction in NJ & PA to address potential cross-overs. DB-563A also included the installation of snow fence on the County Route 519 Overpass structure in NJ.

INTERSTATE 78 TOLL BRIDGE FACILITY AND GROUNDS

The one-way toll plaza opened in 1989 and located at the Pennsylvania approach of the westbound lanes, had seven toll lanes. The toll plaza was reconfigured to 6 lanes in 2010 under Contract No. DB-427B the I-78 Open Road Tolling Lanes (Express E-ZPass) Implementation. This traffic-congestion-mitigation project involved the reconfiguration of the barrier toll plaza, removing three lanes and installing two Express E-ZPass lane with shoulders and paving and re-striping work approaching the toll plaza. All lanes are capable of handling both cars and trucks. The project also involved the installation of new LED (light-emitting diode) variable message signs on the canopy; All lanes are equipped with E-ZPass. The toll booth barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes.

The salt storage building was constructed under Contract No. T-392R in 2003.

The 2011 inspection included the eastbound and westbound main river bridges, eleven (11) approach structures, five (5) sign structures and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

INTERSTATE 78 TOLL BRIDGE (EASTBOUND)
(7 span, continuous, steel multi-girder)

The structure is in overall good condition.

The deck is in satisfactory condition. The top of the deck exhibits numerous fine to medium transverse cracks throughout. The metal Stay-In-Place forms at the underside of the deck have isolated areas of spot rust and the concrete overhangs exhibit few fine cracks with efflorescence.

The approach roadway is in satisfactory condition. A few medium to wide transverse cracks were noted at the approach roadways.

The superstructure and substructure are in good condition.

Scour Remediation of piers 4E and 5E are slated for repairs under contract No. T/TS-573A. This work includes concrete repairs to the pier aprons, tremie and concrete bag remediation of undermined areas of the pier footings and scour hole remediation. This contract will be completed by February 29, 2012.

INTERSTATE 78 TOLL BRIDGE (WESTBOUND)
(7 span, continuous, steel multi-girder)

The structure is in overall good condition.

The deck is in satisfactory condition. The top of the deck exhibits numerous fine to medium transverse cracks throughout. The metal Stay-In-Place forms at the underside of the deck have isolated areas of spot rust and the concrete overhangs exhibit few fine cracks with efflorescence.

The approach roadway is in satisfactory condition. A few medium to wide transverse cracks were noted at the approach roadways. The hot-poured sealer at the abutment header is slightly deteriorated and depressed.

The superstructure and substructure are in good condition.

Scour Remediation of piers 4W and 5W are slated for repairs under contract No. T/TS-573A. This work includes repairs to the pier concrete mats and tremie and concrete bag remediation of undermined areas of these piers. This contract will be completed by February 29, 2012.

The sign structures (5) west of the toll plaza and east of the toll plaza are in good condition.

SERVICE ROAD OVERPASS
(1 span, simply supported, prestressed concrete adjacent box beams)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

MORGAN HILL ROAD OVERPASS
(2 span, simply supported, prestressed concrete spread box beams)

The structure is in overall good condition.

The deck is in satisfactory condition. The top of the deck exhibits fine to medium cracks throughout, with some cracks being partially sealed. The compression-seal deck joints are partially covered with debris and exhibit deterioration where visible.

The approach roadway is in satisfactory condition. Medium to wide cracks were noted throughout both approach roadways.

The superstructure and substructure are in good condition.

CEDARVILLE ROAD OVERPASS
(4 span, simply supported, prestressed concrete I-beams)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in satisfactory condition. The asphalt wearing surface exhibits minor to moderate wearing.

The superstructure and substructure is in good condition.

I-78 WESTBOUND OVER ROUTE 611
(3 span, simply supported, prestressed concrete spread box beams)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in satisfactory condition. The west approach roadway exhibits wide cracks. The east approach roadway has a few spalls partially patched with asphalt.

The superstructure and substructure are in good condition.

I-78 EASTBOUND OVER ROUTE 611
(3 span, simply supported, prestressed concrete spread box beams)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in fair condition. The west approach roadway exhibits wide cracks with several small spalls. The east approach roadway has few spalls with exposed rebars partially patched with asphalt and few wide cracks.

The superstructure and substructure are in good condition.

CARPENTERSVILLE ROAD OVERPASS
(2 span, continuous, steel multi-stringer)

The structure is in overall satisfactory condition with minor deterioration of the substructure.

The deck, approach roadway and superstructure are in good condition.

The substructure is in satisfactory condition. The north and south abutment breastwalls exhibit mapcracking with water leakage and efflorescence. There is a spall the east end of the north abutment breastwall.

EDGE ROAD OVERPASS
(2 span, continuous, steel multi-stringer)

The structure is in overall satisfactory condition with minor deterioration of the superstructure.

The deck and approach roadway are in good condition.

The superstructure is in satisfactory condition. The bottom flanges exhibit light to moderate rust and the remaining portion of the superstructure and bearings exhibit light surface rust.

The substructure is in good condition.

I-78 WESTBOUND OVER ROUTE 519
(2 span, continuous, steel multi-stringer)

The structure is in overall satisfactory condition with minor deterioration of the substructure.

The deck, approach roadway and superstructure are in good condition.

The substructure is in satisfactory condition. The east abutment breastwall exhibits mapcracking and rust staining with several spalls.

I-78 EASTBOUND OVER ROUTE 519
(2 span, continuous, steel multi-stringer)

The structure is in overall good condition.

The deck is in satisfactory condition. The compression-seal deck joints are partially covered with hot-poured sealer and exhibit areas of minor to moderate settlement.

The approach roadways are in satisfactory condition. The west approach roadway exhibits few partially sealed wide cracks.

The superstructure and substructure are in good condition.

I-78 WESTBOUND OVER RAMP C
(1 span, simply supported, steel multi-stringer)

The structure is in overall good condition.

The deck is in good condition.

The approach roadways are in satisfactory condition. The west approach roadway exhibits wide cracks. There are spalls at the approach slabs between the lanes due to missing and broken lane reflectors.

The superstructure and substructure are in good condition.

I-78 EASTBOUND OVER RAMP C
(1 span, simply supported, steel multi-stringer)

The structure is in overall good condition.

The deck is in good condition.

The approach roadways are in satisfactory condition. The approach roadways exhibit wide cracks throughout.

The superstructure and substructure are in good condition.

INTERSTATE 78 TOLL BRIDGE FACILITY AND GROUNDS

Some of the I-78 facility vehicles and equipment are not protected from the weather and are stored along parking lots because of a lack of storage capacity within the building.

The concrete curbs along pedestrian paths, concrete curbs along road drains, concrete sidewalks and asphalt exhibits deterioration around the administration building.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

INTERSTATE 78 TOLL BRIDGE (EASTBOUND)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

INTERSTATE 78 TOLL BRIDGE (WESTBOUND)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

SERVICE ROAD OVERPASS

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

MORGAN HILL ROAD OVERPASS

The structure is in overall good condition. Compression seals at the north and south abutment deck joints exhibit minor deterioration.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

CEDARVILLE ROAD OVERPASS

The structure is in overall good condition. Minor deterioration of the compression seals at Piers 1, 2 and 3 deck joints was noted. The bearing pad at the south fascia beam at Pier 1 was noted to be shifted.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

I-78 WESTBOUND OVER ROUTE 611

The structure is in overall good condition. Replace the deck joint compression seals at all deck joints.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

I-78 EASTBOUND OVER ROUTE 611

The structure is in overall good condition. Replace the deteriorated compression seal deck joints at the east and west abutments.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

CARPENTERSVILLE ROAD OVERPASS

The structure is in overall satisfactory condition. Clean and paint the superstructure steel and bearings.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

EDGE ROAD OVERPASS

The structure is in overall satisfactory condition. Clean and paint the superstructure steel and bearings.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

I-78 WESTBOUND OVER ROUTE 519

The structure is in overall satisfactory condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

I-78 EASTBOUND OVER ROUTE 519

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

I-78 WESTBOUND OVER RAMP C

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

I-78 EASTBOUND OVER RAMP C

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

INTERSTATE 78 ROADWAY

Contract No. T-424A completed the I-78 Roadway Rehabilitation in New Jersey. The roadway is in good condition.

INTERSTATE 78 TOLL BRIDGE FACILITY AND GROUNDS

A study of the HVAC system should be conducted to determine whether the system located at the facility needs to be upgraded.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Interstate 78 Toll Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
506	**I-78 Toll Bridge Parapet Upgrade and PA Paving Improvements**	*$22,397,000*	$6,096,000	$16,128,000
552	**Cleaning & Painting of I-78 Bridges (Edge, Carpentersville, Main River, etc)**	*$13,987,000*	$0	$299,000
	BRIDGES SUB TOTAL	***$36,384,000***	***$6,096,000***	***$16,427,000***
	Facilities and Grounds			
I-78TB	**Unplanned Projects**	*$2,033,000*	$150,000	$156,000
507	**I-78 HVAC Upgrade**	*$1,368,000*	$0	$144,000
508	**I-78 Maintenance Garage Improvements**	*$3,369,000*	$0	$381,000
603	**Generator Upgrade at I-78**	*$225,000*	$0	$225,000
	FACILITIES AND GROUNDS SUB TOTAL	***$6,995,000***	**$150,000**	**$906,000**
	TOTAL COST	***$43,379,000***	**$6,246,000**	**$17,333,000**

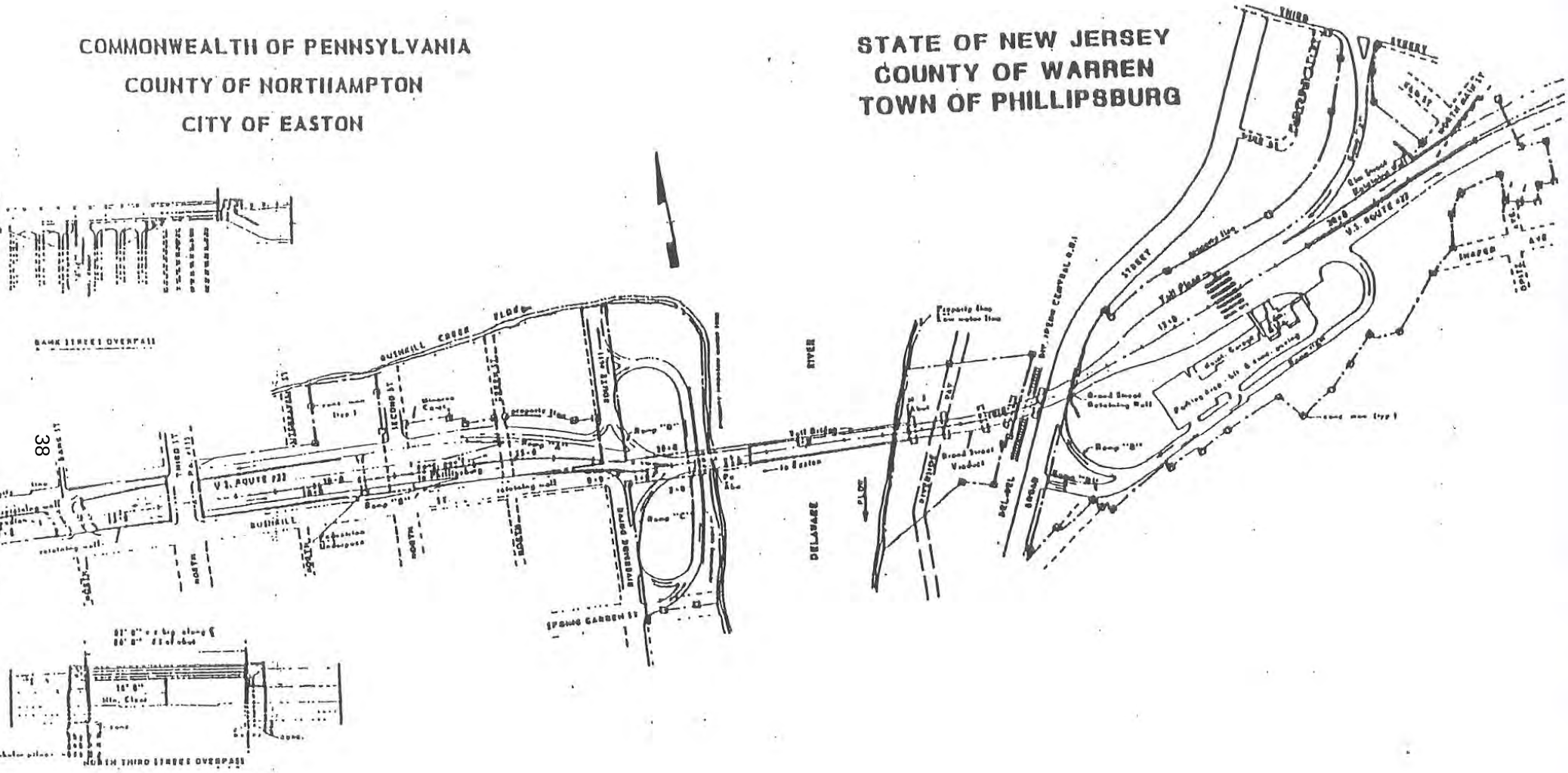
EASTON-PHILLIPSBURG

TOLL BRIDGE FACILITY

(Structure No. 300)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF NORTHAMPTON
CITY OF EASTON

STATE OF NEW JERSEY
COUNTY OF WARREN
TOWN OF PHILLIPSBURG



EASTON–PHILLIPSBURG TOLL BRIDGE

GENERAL

EASTON-PHILLIPSBURG TOLL BRIDGE
(1 span, Petit Thru-Truss)

The Easton-Phillipsburg Toll Bridge (Structure No. 300) carries US Route 22 over the Delaware River between the City of Easton, Pennsylvania, and the Town of Phillipsburg, New Jersey. The bridge was opened to traffic on January 14, 1938. Westbound only toll collection commenced on June 4, 1989.

The main river bridge consists of a 540 foot Petit thru-truss span over the Delaware River. The overall length, including the approaches on either end of the structure, is approximately 1,010 feet. The roadway width is 40 feet between the trusses and carries 4 lanes of traffic. There are 8 foot sidewalks cantilevered outside of both trusses. The substructure consists of reinforced concrete abutments. The posted speed limit through the toll bridge facility is 25 mph.

Sidewalk reconstruction was performed under Contract No. T-420 and was completed in 2004.

The Easton-Phillipsburg Toll Bridge and all approach structures received an in-depth, hands on inspection in 2010 for the future rehabilitation Contract T-437 which will include all structures in this facility.

EASTON-PHILLIPSBURG TOLL BRIDGE APPROACH STRUCTURES

The Commission's jurisdiction includes a total of five (5) approach structures. On the Pennsylvania approach there are four (4) approach structures.

Approximately 2,000 feet of the Pennsylvania approach was reconstructed in 1982. This reconstruction included new superstructures for the overpasses at Bank Street, Third Street and Route 611. The truss support for the center bearing of the Broad Street Viaduct was reconstructed in 2001.

EASTON-PHILLIPSBURG TOLL BRIDGE FACILITY AND GROUNDS

The toll plaza was converted to one-way toll collection in 1989 under Contract No. T-296. It is located at the New Jersey approach and has five (5) toll lanes. All tollbooths are erected on concrete islands and are protected by an overhead canopy. All lanes are equipped for E-ZPass. The toll booth barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes

The 2011 inspection included the main river bridge, five (5) approach bridges, and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

EASTON-PHILLIPSBURG TOLL BRIDGE MAIN RIVER BRIDGE
(1 span, Petit Thru-Truss)

The structure is in overall satisfactory condition due to the superstructure.

The deck is in satisfactory condition. Numerous medium to wide transverse cracks are noted throughout the bridge, mainly over the floorbeam locations with several shallow spalls.

There is no approach roadway for this structure due to the adjacent approach structures.

The superstructure is in satisfactory condition. Several members exhibit isolated areas of light to moderate surface rust and peeling paint. Pack rust was noted at several locations between eyebars and at gusset plate connections. Few access cover plates at the vertical truss members are welded and few welds are cracked. For additional conditions related to the below deck superstructure, refer the 2010 in-depth inspection report.

The substructure is in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure was noted to be in good condition.

The sign structures (4) are in overall fair condition. Sign Structure 3 at the toll plaza exhibits several wide cracks in the north and south concrete pedestal foundations with a spalled and hollow concrete area at the north pedestal.

BROAD STREET VIADUCT
(5 span, simply supported, riveted steel three girder-floorbeam-stringer system)

The structure is in overall poor condition due to the superstructure.

The deck is in satisfactory condition. Fine to medium transverse cracks are noted throughout the top of deck. Several areas of the underside steel trough and sidewalk SIP forms exhibit heavy laminar rust.

The approach roadway (east only) is in satisfactory condition. Medium to wide cracks are noted in the asphalt. The eastbound and westbound lanes exhibit small spalls and loose concrete.

The superstructure is in poor condition. Several structural steel members exhibit areas of moderate to severe corrosion below the deck joints, along the curb openings, and those exposed directly to the elements. Stringers 1 to 4 and the shelf bearing angles at the east side of Floorbeam 5 in Span 4 exhibit severe rust and section loss. The bearing shelf angles supporting the stringers were note to be cracked and deflecting under live load.

Repaired cracks were noted at Piers 1 to 3 at the floorbeam-kneebrace connections. The weld repair at the vertical connection to the Span 3 south girder at Pier 3 has cracked and is 21” long. The crack extends approximately ½” beyond the weld repair area. Horizontal Lateral bracing

gusset plates in span 5 exhibit severe rust and significant section; steel cables have been installed by the Commission maintenance forces as a temporary repair.

The substructure is in good condition.

ROUTE 611 OVERPASS
(1 span, simply supported, prestressed concrete adjacent box beam)

The structure is in overall poor condition due to the superstructure.

The deck is in poor condition. The top of deck exhibits large areas of deteriorated asphalt patches and concrete areas. The compression seal deck joints at the east and west abutments are depressed, torn, and missing throughout. The parapets have a few incipient spalls throughout.

The approach roadway (west only) is in satisfactory condition. The approach slab exhibits several small spalls.

The superstructure is in poor condition. The prestressed box beams exhibit a few small spalls and incipient spalls with moderate water stains throughout. There is a broken tie rod at Beam 13 over the east abutment.

The substructure is in fair condition. The abutments have a few medium to wide cracks throughout with hollow areas and delaminated concrete.

THIRD STREET OVERPASS
(1 span, simply supported, steel multi-stringer)

The structure is in overall satisfactory condition due to the superstructure and substructure.

The deck is in satisfactory condition. Exposed concrete at the deck underside exhibits transverse cracks with efflorescence and incipient spalls.

The approach roadway is in satisfactory condition. The approach slab exhibits several fine to medium cracks and small spalls throughout.

The superstructure is in satisfactory condition. Light to heavy laminar rust was noted at the bottom flange of several stringers.

The substructure is in satisfactory condition. Fine to medium cracks are typical the west and east abutment breastwalls.

BANK STREET OVERPASS
(3 span, continuous, steel multi-stringer)

The structure is in overall satisfactory condition.

The deck is in fair condition. The underside of deck exhibits several spalls with exposed rebar and incipient spalls throughout.

The approach roadway is in good condition.

The superstructure is in satisfactory condition. Light to moderate laminar rust was noted at several stringers with minor material losses.

The substructure is in satisfactory condition. Several sealed vertical cracks were noted at the east abutment breastwall and backwall.

The inlet at the northwest corner of Bank Street under Span 2 has settled with erosion of the roadway slab subbase material adjacent to the inlet. The concrete sidewalls of the inlet have also spalled with several areas of missing and broken concrete.

PEDESTRIAN TUNNEL
(Single cell, reinforced concrete box culvert)

The structure is in overall good condition.

The roadway and culvert are in good condition.

EASTON-PHILLIPSBURG TOLL BRIDGE FACILITY AND GROUNDS

The west side of the toll plaza has several concrete slabs of roadway with a few open and wide transverse cracks. The roadway surface is uneven with wear along tire lines and minor settlement of concrete slabs. During heavy rain, there are areas with ponding water and the tunnel under the toll booth exhibits minor leakage and occasionally the carpets on tunnel floor over the drains become wet. Overall the toll plaza is in fair condition.

The administration building brick and stone façade exhibits areas of distress and displacement of the bricks due to pressure resulting from water intrusion.

The roof on the administration building and garage was replaced in 2007 under Contract No. T-465A.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

EASTON-PHILLIPSBURG TOLL BRIDGE MAIN RIVER BRIDGE

The structure is in overall satisfactory condition.

- The scope of work for the upcoming Contract No. T-437B Easton Phillipsburg Toll Bridge Rehabilitation is anticipated to include the following:

- Clean and paint the entire bridge.
- Repave the bridge with asphalt.
- Repair the cracked base plates on the sidewalk railing posts.
- Repair the pedestal foundations at Sign Structures 1 and 3.
- Repoint stone masonry.
- Fill erosion.
- Seal the medium crack at the abutments.
- Improve channel protection at the east and west abutments.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

BROAD STREET VIADUCT

The structure is in overall poor condition due to advance section loss of primary structural elements.

- The scope of work for the upcoming Contract No. T-437B Easton Phillipsburg Toll Bridge Rehabilitation is anticipated to include the following:
  - Install temporary supplemental supports below Stringers 1 through 4 (from north) at the east side of Floorbeam 5 in Span 4 (temporary supports should be installed to supplement deteriorated stringer bearings until the bridge rehabilitation is undertaken as part of Contract No. T-437B)
  - Replace all areas of deteriorated steel including the cracked steel angle at the north and south girder at Pier 3 and the north girder at Piers 1 and 2.
  - Replace the gusset plates at Floorbeam 2 at the south girder and Floorbeam 4 at the north girder in Span 5.
  - Repair the stringers and rebuild the bearing shelf seats at Stringers 1 through 4 (from north) at the east side of Floorbeam 5 in Span 4.
  - Paint the entire steel superstructure.
  - Grind smooth the steel fingers at the deck joints to remove the plow catch.
  - Repair the cracked base plates on the sidewalk railing posts.
  - Clean and epoxy coat all bridge seats.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

ROUTE 611 OVERPASS

The structure is in overall poor condition due to advance section loss of primary structural elements.

- The scope of work for the upcoming Contract No. T-437B Easton Phillipsburg Toll Bridge Rehabilitation is anticipated to include the following:
  - Replace the missing and deteriorated compression seals at the east and west abutment deck joints including the sidewalks.
  - Replace the broken transverse tie rod at the east abutment.
  - Remove the hollow concrete areas at the east and west abutments.
  - Pressure inject the medium to wide vertical crack at the south end of the west abutment.

- Epoxy coat the bearing seats and the end of the box beams.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

THIRD STREET OVERPASS

The structure is in overall satisfactory condition with some minor deterioration of structural elements.

- The scope of work for the upcoming Contract No. T-437B Easton Phillipsburg Toll Bridge Rehabilitation is anticipated to include the following:
  - Replace the compression seal joints at the east and west abutments.
  - Patch the spalls at the deck joint headers and adjacent areas with concrete.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

BANK STREET OVERPASS

The structure is in overall satisfactory condition with some minor deterioration of structural elements.

- The scope of work for the upcoming Contract No. T-437B Easton Phillipsburg Toll Bridge Rehabilitation is anticipated to include the following:
  - Replace the inlet at the northwest corner of Bank Street below Span 2.
  - Replace the deteriorated and missing compression seals at the east and west abutment deck joints.
  - Patch the spalls at the deck joint headers with concrete.
  - Replace the missing and sheared anchor bolts at the east abutment and Pier 2 bearings.
  - Consideration should be given to replace the existing bearings with elastomeric bearings.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

PEDESTRIAN TUNNEL

The structure is in overall good condition with some minor problems.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

EASTON-PHILLIPSBURG TOLL BRIDGE FACILITY AND GROUNDS

The deteriorated and cracked concrete slabs on the west side of the toll plaza should be replaced. Several of the concrete slabs on the east side of toll plaza in the westbound lanes should be replaced. The spalled curbs and deteriorated relief joint should be repaired. A study should be performed to determine the necessary repairs to the exterior of the administration building. A study should be performed to determine repairs and upgrades to the grounds and auxiliary

buildings. A study should be performed to determine if the parking area has adequate space for operations and/or training sessions held at the facility.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Easton-Phillipsburg Toll Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
437	**E-P TB Rehabilitation**	*$32,427,000*	$1,776,000	$20,525,000
	BRIDGES SUB TOTAL	***$32,427,000***	**$1,776,000**	**$20,525,000**
	Facilities and Grounds			
EPTB	**Unplanned Projects**	*$1,109,000*	$75,000	$78,000
564	**E-P Parking Lot & Floor Drain Improvements**	*$309,000*	$0	$309,000
574	**Generator Upgrade at E-P**	*$188,000*	$0	$188,000
	FACILITIES AND GROUNDS SUB TOTAL	***$1,606,000***	**$75,000**	**$575,000**
	TOTAL COST	***$34,033,000***	**$1,851,000**	**$21,100,000**

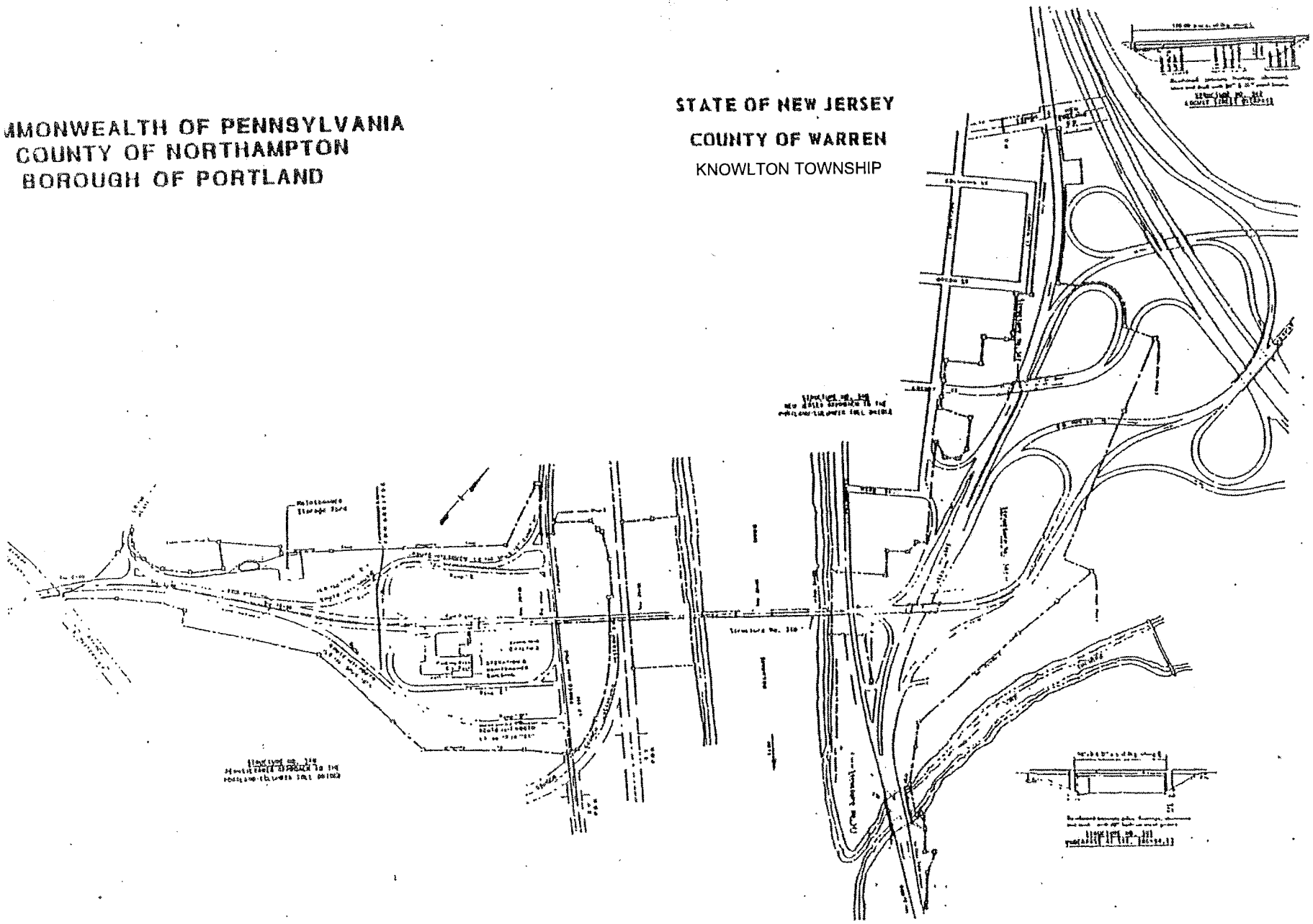
PORTLAND-COLUMBIA

TOLL BRIDGE FACILITY

(Structure No. 340)

MMONWEALTH OF PENNSYLVANIA
COUNTY OF NORTHAMPTON
BOROUGH OF PORTLAND

STATE OF NEW JERSEY
COUNTY OF WARREN
KNOWLTON TOWNSHIP



PORTLAND - COLUMBIA TOLL BRIDGE

GENERAL

PORTLAND-COLUMBIA TOLL BRIDGE
(10 span, riveted steel multi-girder)

The Portland-Columbia Toll Bridge Facility (Structure No. 340) opened to traffic on December 1, 1953 and converted to toll collection in the westbound direction only on May 25, 1989 under Contract T-297. The bridge connects Pennsylvania Route 611 at Portland, Pennsylvania with US Route 46 at a section of Knowlton Township, New Jersey. US Route 46 merges with Interstate 80 located just north of the bridge on the New Jersey approach.

The main river bridge consists of a ten span, riveted steel plate girder system with an approximate total length of 1,309 feet. The roadway is 32 feet wide from curb to curb and carries one lane of traffic in each direction with a posted speed limit of 35 mph. The substructure units consist of reinforced concrete piers and concrete bin abutments. All the substructures are founded on spread footings with the exception of Pier 8, which is founded on piles. The piers also have partial granite stone facing.

A rehabilitation contract performed in 1992 included replacement of the existing concrete deck with a cast-in-place deck and concrete parapets. The combination sidewalk and maintenance walkway were removed and a new lighting system on the downstream side of the main bridge was installed. Approach roadway improvements (NJ and PA) and new drainage systems were also constructed. In 1998, the main river bridge, the pedestrian bridge to the north of the toll bridge, and both approach structures were cleaned and painted by contract.

In 2010, the Commission completed a Substructure & Scour Remediation project in Districts 1, 2 & 3 under Contract No. T/TS-476A-2. This project included substructure repairs of piers 1 through 9 and both abutments including masonry repointing, epoxy injection crack sealing of pier footings and spall repairs. Currently the Commission is undertaking a second Substructure & Scour Remediation project in Districts 1, 2 & 3 under Contract No. T/TS-573A. This project includes underwater repairs to the footings at piers 6 and 7 consisting of tremie and concrete bag remediation. This contract will be completed by February 29, 2012.

PORTLAND-COLUMBIA APPROACH BRIDGES

The Commission's jurisdiction also includes two additional bridges at the New Jersey approach. Deck and barrier replacements were performed in 1992 in conjunction with the main river bridge rehabilitation contract.

Repairs to the Locust Street Bridge were completed in 2010 under Contract No. T-441A. These repairs included, resetting, cleaning and painting of the steel bearings, concrete repairs to the bridge substructure and new concrete slope protection at each abutment.

PORTLAND-COLUMBIA TOLL BRIDGE FACILITY AND GROUNDS

The one-way toll plaza, located at the Pennsylvania approach, has three toll lanes. All the tollbooths are erected on concrete islands and are protected by an overhead canopy. All three

lanes are equipped for E-ZPass. The toll booth barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes

A new 2,000 ton salt storage barn was constructed in 2010 under Contract No. T-441A which services all District 3 bridges. Also completed under Contract T-441A was the installation of impact attenuators at the toll plaza, repairs to the concrete toll plaza islands and restriping of the traffic marking in the toll plaza area. The facility parking lot, driveways and maintenance yards were resurfaced and new curbs and sidewalks were also installed. Another project element was the installation of a sewer line connecting the administration building to the new Portland Borough municipal sewer system.

The 2011 inspection included the main river bridge, two approach bridges, and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

PORTLAND-COLUMBIA TOLL BRIDGE
(10 span, riveted steel multi-girder)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in satisfactory condition. Large areas of fine map cracking are noted at both approaches with few medium to wide cracks and shallow spalls.

The superstructure and substructure are in good condition.

An underwater inspection was performed in 2010 under Contract No. C-453B-5. The underwater components of the substructure were noted to be in good condition.

The sign structures (5) are in overall satisfactory condition with moderate rust at the posts.

ROUTE 46 OVERPASS
(1 span, riveted steel multi-girder)

The structure is in overall good condition.

The deck is in good condition.

The approach roadway is in satisfactory condition. The east approach exhibits numerous medium to wide cracks throughout the pavement.

The superstructure and substructure are in good condition.

LOCUST STREET OVERPASS
(4 span, steel multi-stringer)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

PORTLAND-COLUMBIA TOLL BRIDGE FACILITY AND GROUNDS

The roof on the maintenance garage and the administration building was replaced in 2005 under Contract No. T-439A.

The HVAC system is approximately 20 years old and may be reaching the end of its useful life.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

PORTLAND-COLUMBIA TOLL BRIDGE

The structure is in overall good condition. The incipient spalls, delaminated and cracked areas throughout the concrete patches in the east abutment and Piers 3, 4 should be repaired. Place riprap channel protection around Piers 4 through 8.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

ROUTE 46 OVERPASS

The structure is in overall good condition with some minor problems. Replace the missing and deteriorated compression joint seals at the east and west abutment deck joints.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

LOCUST STREET OVERPASS

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

PORTLAND-COLUMBIA TOLL BRIDGE FACILITY AND GROUNDS

The HVAC system in the administration building should be upgraded.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Portland-Columbia Toll Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
566	**P-C Approach Roadway Improvements**	*$6,473,000*	$0	$554,000
	BRIDGES SUB TOTAL	***$6,473,000***	**$0**	**$554,000**
	Facilities and Grounds			
PCTB	**Unplanned Projects**	*$727,000*	$50,000	$52,000
604	**Generator Upgrade at P-C**	*$280,000*	$0	$280,000
604	**Generator Upgrade at P-C**	*$280,000*	$0	$280,000
	FACILITIES AND GROUNDS SUB TOTAL	***$1,287,000***	**$50,000**	**$612,000**
	TOTAL COST	***$7,760,000***	**$50,000**	**$1,166,000**

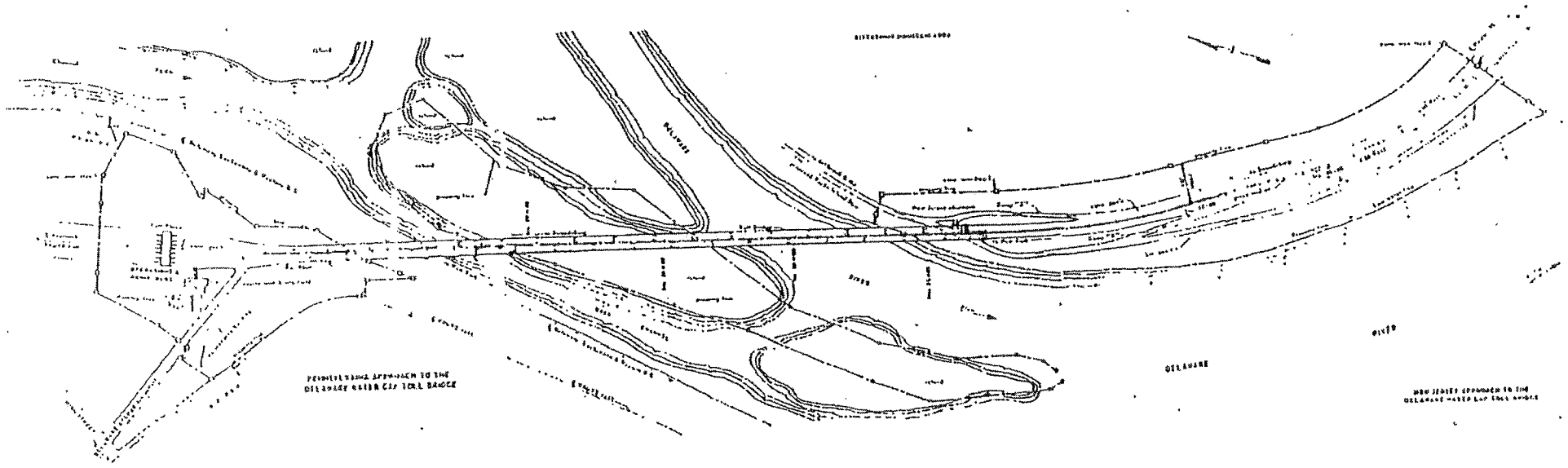
DELAWARE WATER GAP

TOLL BRIDGE FACILITY

(Structure Nos. 380 & 390)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF MONROE
BOROUGH OF DELAWARE WATER GAP

STATE OF NEW JERSEY
COUNTY OF WARREN
HARDWICK TOWNSHIP



DELAWARE WATER GAP TOLL BRIDGE

GENERAL

DELAWARE WATER GAP TOLL BRIDGE
(Eastbound: 17 span, riveted steel multi-girder)
(Westbound: 16 span, riveted steel multi-girder)

The Delaware Water Gap Toll Bridge (Structure Nos. 380 and 390) carries Interstate 80 across the Delaware River near Delaware Water Gap, Pennsylvania, and Hardwick Township, NJ, providing a gateway from the eastern metropolitan area to the Pocono recreational area. Through Pennsylvania, the four lane limited access highway crosses the width of Pennsylvania to the Ohio border and directly connects to the Ohio Turnpike. On the New Jersey side, Interstate 80 connects the Delaware Water Gap Toll Bridge to the George Washington Bridge.

The toll bridge, built by the Commission and opened on December 16, 1953, is a twin, multi-span (17 spans EB and 16 spans WB), steel riveted plate girder bridge approximately 2,465 feet in total length. The dual roadways are each 28 feet wide from curb to curb, carrying two lanes of traffic each, and are separated by an aluminum barrier. A 5 foot wide sidewalk is located on the south side of the eastbound roadway, separated from the travel lanes with a concrete barrier. The substructure units consist of reinforced concrete bin abutments and piers. The piers also have partial granite stone facing. The speed limit posted at both approach roadways is 55 mph.

Major rehabilitation work was completed in 1989. The rehabilitation work included reconstruction of the toll plaza for one-way toll collection in the westbound direction (8 total lanes), deck replacement, construction of a New Jersey approach pedestrian walkway, toll plaza access tunnel, and miscellaneous pavement replacement. Other work performed under this contract included the installation of the aluminum median barrier, lighting and signage.

Both structures are currently undergoing bridge rehabilitation under Contract No. T-472A. This contract includes replacement of the steel expansion bearings, concrete repairs to the piers and abutments, replacement of the deck joints and cleaning and painting of the structural steel. Completion of this construction project is anticipated to be November 2011.

In 2010, the Commission completed a Substructure & Scour Remediation project in Districts 1, 2 & 3 under Contract No. T/TS-476A-2. This project included substructure repairs to piers 4W through 7W, 14W and 14E including masonry repointing and spall repairs. Currently the Commission is undertaking a second Substructure & Scour Remediation project in Districts 1, 2 & 3 under Contract No. T/TS-573A. This project includes repairs to the footings at piers 8W, 9W, 8E and 9E consisting of epoxy injection crack sealing and Riprap repair around the perimeter of the footing. This contract will be completed by February 29, 2012.

DELAWARE WATER GAP TOLL BRIDGE FACILITY AND GROUNDS

The one-way toll plaza, located at the Pennsylvania approach has five (5) toll lanes. The toll plaza was reconfigured to in 2011 under the Delaware Water Gap Open Road Tolling Implementation, Contract No. T-440B. This traffic-congestion-mitigation project involved the reconfiguration of the barrier toll plaza, removing three lanes to make way for a single Express

E-ZPass lane with shoulders. The project included the removal of the three left toll plaza booths and replacing them with a single open-road tolling lane. Additionally, the remaining five lanes at the toll plaza consist of a new E-ZPass only lane and four mixed-mode (cash and electronic toll collections) lanes. All lanes are now capable of handling both cars and trucks. The project also involves the installation of new signage, paving and striping work. The toll booth barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes

A ½ mile section of Interstate 80 east of the bridge was resurfaced in 2007 under Contract No. T-492A, a reimbursement agreement with the New Jersey Department of Transportation.

The 2011 inspection included the eastbound and westbound main river bridges and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridges are capable of safely supporting all legal loads.

DELAWARE WATER GAP TOLL BRIDGE (EASTBOUND)
(17 span, riveted steel multi-girder)

The structure is in overall good condition.

The approach roadway in Pennsylvania is in satisfactory condition. Fine to medium map cracks were noted at the approaches. Patches and small edge spalls were also noted at the approaches.

The deck, superstructure and substructure are in good condition.

An underwater inspection was performed in 2010 under Contract No. C-453B-5. The underwater components of the substructure were noted to be in satisfactory condition due to minor masonry mortar loss.

The sign structures (3) at the toll plaza are in overall good condition.

DELAWARE WATER GAP TOLL BRIDGE (WESTBOUND)
(16 span, riveted steel multi-girder)

The structure is in overall good condition.

The approach roadway is in satisfactory condition. Fine to medium map cracks were noted at the approaches. Patches and small edge spalls were also noted at the approaches.

The deck, superstructure and substructure are in good condition.

An underwater inspection was performed in 2010 under Contract No. C-453B-5. The underwater components of the substructure were noted to be in good condition.

DELAWARE WATER GAP TOLL BRIDGE FACILITY AND GROUNDS

The Commission has performed a study of the Maintenance Garage facility that has indicated the need for expansion of the Maintenance Garage. The Engineering Department is currently moving ahead with procurement of a design consultant for the expansion. Included in this expansion will be replacement/upgrade of corroded metal cabinets containing streetlight electrical panels adjacent to the current Maintenance Garage.

During the facilities inspection, Maintenance personnel had noted the current HVAC system does not function properly. An HVAC upgrade project at the DWG facility is currently scheduled for 2014-2016.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridges are capable of safely supporting all legal loads.

DELAWARE WATER GAP TOLL BRIDGE (EASTBOUND)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

DELAWARE WATER GAP TOLL BRIDGE (WESTBOUND)

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

DELAWARE WATER GAP TOLL BRIDGE FACILITY AND GROUNDS

A study should be performed on the HVAC controls to determine what components need upgrading, or if entire system should be upgraded.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Delaware Water Gap Toll Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
440B	**Phase 1 - DWG Toll Bridge ORT Implementation**	*$6,694,000*	$126,000	$0
472	**Delaware Water Gap Toll Bridge Rehabilitation**	*$19,186,000*	$2,733,000	$0
581	**DWG / I-80 NJ Roadway Safety Improvements**	*$279,000*	$262,000	$0
	BRIDGES SUB TOTAL	***$26,159,000***	**$3,121,000**	**$0**
	Facilities and Grounds			
DWGTB	**Unplanned Projects**	*$1,058,000*	$75,000	$78,000
474	**DWG Maintenance Garage Improvements**	*$2,767,000*	$914,000	$1,809,000
513	**DWG HVAC Upgrade**	*$2,053,000*	$0	$181,000
	FACILITIES AND GROUNDS SUB TOTAL	***$5,878,000***	**$989,000**	**$2,068,000**
	TOTAL COST	***$32,037,000***	**$4,110,000**	**$2,068,000**

MILFORD-MONTAGUE

TOLL BRIDGE FACILITY

(Structure No. 400)

COMMONWEALTH OF PENNSYLVANIA

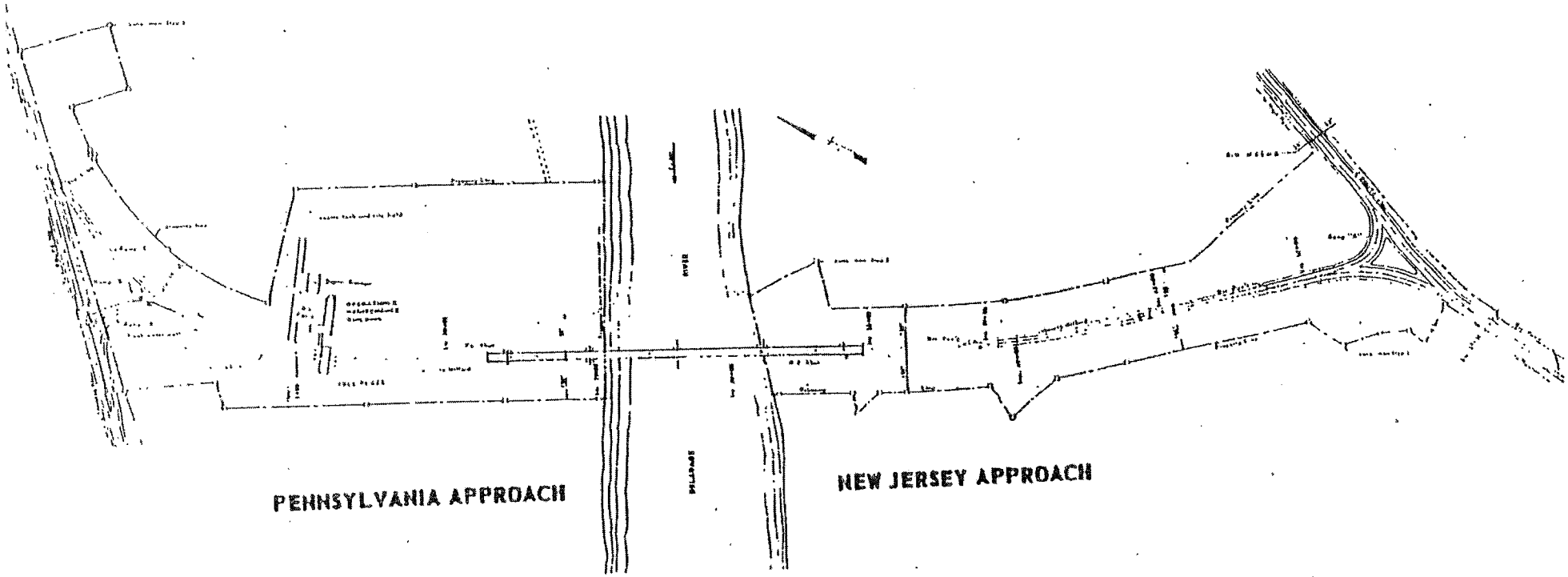
COUNTY OF PIKE

DINGMAN TOWNSHIP

STATE OF NEW JERSEY

COUNTY OF SUSSEX

TOWN OF MONTAGUE



MILFORD – MONTAGUE TOLL BRIDGE

GENERAL

MILFORD-MONTAGUE TOLL BRIDGE
(4 span, continuous, steel deck truss)

The Milford-Montague Toll Bridge (Structure No. 400) is the northern-most toll bridge across the Delaware River under the Commission's jurisdiction. Located seven miles south of the New Jersey/New York state line, the bridge connects US Route 206 at Montague, New Jersey to US Route209 at Dingman Township, Pennsylvania.

The toll bridge, built by the Commission and opened to traffic on December 30, 1953, is a four span continuous steel deck truss structure with an approximate total length of 1,150 feet. The curb to curb width of the roadway is 27'-6" and carries one lane of traffic in each direction with a posted speed limit on the New Jersey approach of 40 mph. Cantilevered from the north truss is a 4'-0" wide sidewalk. The substructure units consist of reinforced concrete abutments and piers with granite stone facing on the piers.

In 1982 the original deck was replaced with precast concrete deck panels and stringers were relocated (fifth stringer added) for the addition of the cantilevered sidewalk. Also included in the 1982 rehabilitation project were modifications to the substructures and bridge lighting, and the addition of the aluminum safety barriers. In 1998, the New Jersey approach was milled and repaved by contract. In 1999 the toll plaza was converted to on-way collection.

Contract No. T-430A, a rehabilitation contract for the Milford-Montague Toll Bridge, was completed in 2009. The improvements to the structure included Concrete deck replacement, Superstructure steel repairs, Cleaning and painting of the superstructure, Substructure repairs, Slope protection and erosion damage repairs, Approach roadway repaving, Drainage improvements, Safety feature improvements (signage, guide rails, etc.), and a new toll plaza and canopy.

MILFORD-MONTAGUE TOLL BRIDGE FACILITIES AND GROUNDS

At the Pennsylvania approach, there are three westbound toll collection lanes that are protected by a canopy and founded on concrete islands. The toll booth barrier gates were removed in 2010 with the installation of Violation Enforcement System (VES) technology - high-resolution cameras and lights - in toll collection lanes

The Commission facility was connected to the local municipal water supply provided by the Milford Water Authority in 2009 under Contract T-432A.

In 2009, the toll plaza was replaced under Contract No. T-430A. The parking lot was also repaved during the 2009 Rehabilitation.

The 2011 inspection included the main river bridge and the facility and grounds.

SIGNIFICANT FINDINGS

Based on the findings of the 2011 inspections, the main river bridge is capable of safely supporting all legal loads.

MILFORD-MONTAGUE TOLL BRIDGE
(4 span, continuous, steel deck truss)

The structure is in overall good condition.

The deck is in very good condition.

The approach roadway, superstructure and substructure are in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The underwater components of the substructure were noted to be in good condition.
The sign structure is in overall good condition.

MILFORD-MONTAGUE TOLL BRIDGE FACILITIES AND GROUNDS

The toll plaza, approach roadway, and sign structures were rehabilitated under Contract No. T-430A in 2009.

CONCLUSIONS

Based on the findings of the 2011 inspections, the main river bridge is capable of safely supporting all legal loads.

MILFORD-MONTAGUE TOLL BRIDGE

The structure is in overall good condition.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

MILFORD-MONTAGUE TOLL BRIDGE FACILITIES AND GROUNDS

Relocate the auxiliary generator from inside the garage area to outside.

For a list of maintenance repair items, see the *2011 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Milford-Montague Toll Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2009			
567	**M-M Bearing Replacement**	*$4,537,000*	$225,000	$4,312,000
	BRIDGES SUB TOTAL	***$4,537,000***	**$225,000**	**$4,312,000**
	Facilities and Grounds			
MMTB	**Unplanned Projects**	*$727,000*	$50,000	$52,000
514	**M-M HVAC Upgrade**	*$1,422,000*	$0	$29,000
	FACILITIES AND GROUNDS SUB TOTAL	***$2,149,000***	**$50,000**	**$81,000**
	TOTAL COST	***$6,686,000***	**$275,000**	**$4,393,000**

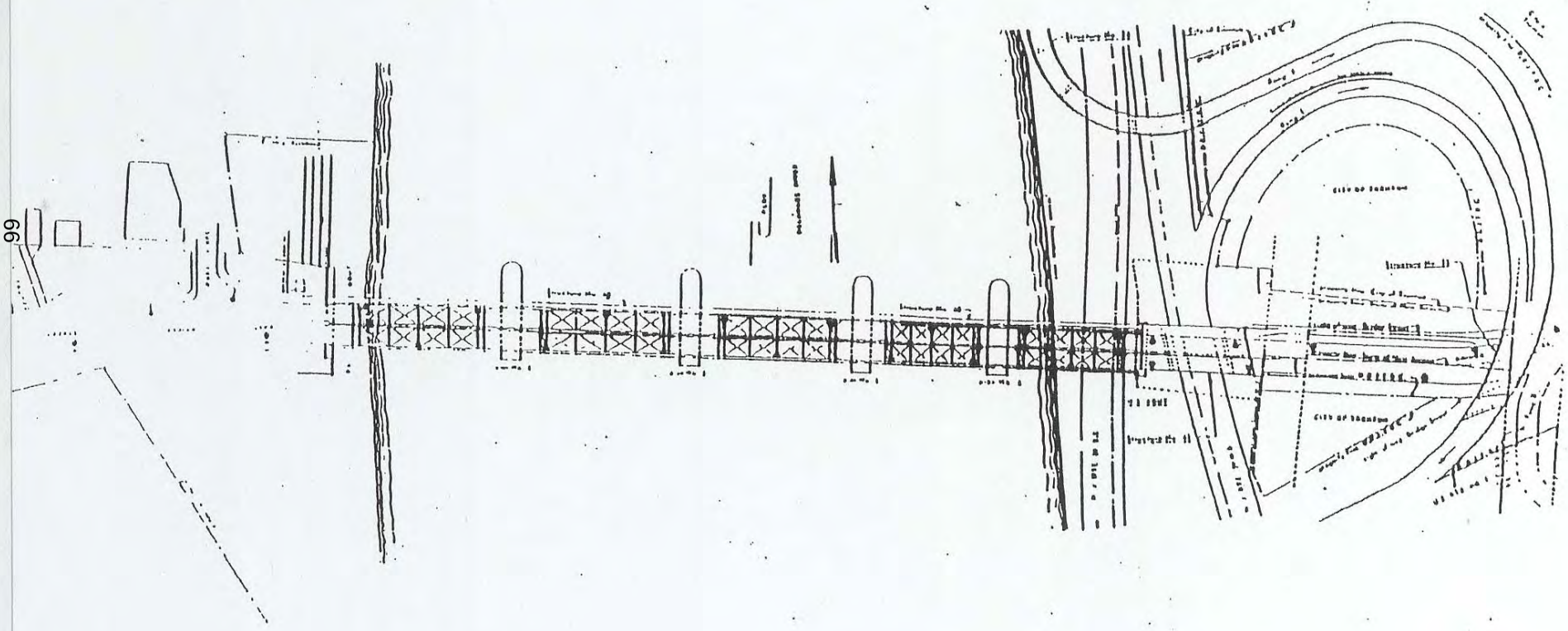
LOWER TRENTON

TOLL-SUPPORTED BRIDGE

(Structure No. 40)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
BOROUGH OF MORRISVILLE

STATE OF NEW JERSEY
COUNTY OF MERCER
CITY OF TRENTON



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LOWER TRENTON TOLL SUPPORTED BRIDGE

GENERAL

LOWER TRENTON TOLL-SUPPORTED BRIDGE
(5 span, subdivided warren truss)

The Lower Trenton Toll-Supported Bridge (Structure No. 40), also known as the "Trenton Makes" Bridge, carries Bridge Street traffic from Trenton, New Jersey to Morrisville, Pennsylvania; one of three bridges connecting these two towns.

The structure is a five span subdivided Warren Truss built in 1928, with a total length of approximately 1,022 feet. The roadway consists of two lanes, one lane in each direction separated by a center truss. The curb to curb width of each lane is approximately 19 feet, 5 inches. The substructure, originally built in 1804, widened and raised in 1874, consists of stone masonry.

The structure is currently posted for a 5 ton weight limit restriction and a 25 mph speed limit. The structure is also posted for a 10 foot vertical clearance.

The downriver truss displays the "TRENTON MAKES THE WORLD TAKES" sign which is mounted to the truss members; hence, the nickname 'The Trenton Makes Bridge". The original sign was erected in 1935 and replaced in 1981. A new sign was installed in 2005 under Contract TS-398C.

The structure was cleaned and painted under Contract No. TS-398A in 2005. The officer's shelter located on the Pennsylvania side of the bridge was replaced in 2006.

Contract No. T/TS-476A-1 Substructure Repair & Scour Remediation - District 1, included above water repairs to piers 1 through 4 and the PA abutment including masonry repointing, epoxy crack sealing and masonry stone replacement. Pier 4 also included underwater concrete repairs to the apron. This work was completed in 2010. The second Scour Contract No. T/TS-573A included underwater concrete repairs to the aprons at piers 1, 2 & 3. This contract work is scheduled for completion by February 29, 2012.

The east approach bridge is NJDOT owned and was not part of the inspection.

LOWER TRENTON TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the northwest Pennsylvania approach of the Lower Trenton Toll-Supported Bridge is a Commission owned officer shelter.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

LOWER TRENTON TOLL-SUPPORTED BRIDGE
(5 span, subdivided warren truss)

The structure is in overall satisfactory condition due to the superstructure and substructure.

The deck and west approach roadway (adjacent structure at east) are in good condition.

The superstructure is in satisfactory condition. Several gusset plates at the lower chord of the south and center trusses of Spans 1, 2 and 5 exhibit pitting up to 1/4". Lower chord members at the south truss exhibit material losses up to 3/16". All areas of material loss have been cleaned and painted with no areas of active corrosion.

The substructure is in satisfactory condition. The abutments and piers exhibit numerous areas of cracked and missing mortar. A few piers also exhibit loose and missing stones in isolated areas. Heavy scaling with exposed rebar is present at the Pier 4 concrete apron.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in fair condition due to undermining of the concrete aprons at Piers 1 through 4, and deterioration of the timber crib foundation at Pier 3.

LOWER TRENTON TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall satisfactory condition. There are two small holes (1" diameter each) in the back siding. The siding is cracked around the base of the window at the south side. The concrete foundation exhibits minor cracks below the window. The concrete pad below the exterior steps has settled and slopes toward the shelter. The concrete sidewalk is in poor condition with spalls at the south side and around the manhole cover.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

LOWER TRENTON TOLL-SUPPORTED BRIDGE

The structure is in overall satisfactory condition due to minor deterioration of structural elements.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

LOWER TRENTON TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall satisfactory condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Lower Trenton Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	In 1997 this bridge was rehabilitated. In 2005, cleaning and painting were performed and the "TRENTON MAKES" sign was replaced.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
LTTSB	**Unplanned Projects**	*$374,000*	$25,000	$26,000
	FACILITIES AND GROUNDS SUB TOTAL	***$374,000***	**$25,000**	**$26,000**
	TOTAL COST	***$374,000***	**$25,000**	**$26,000**

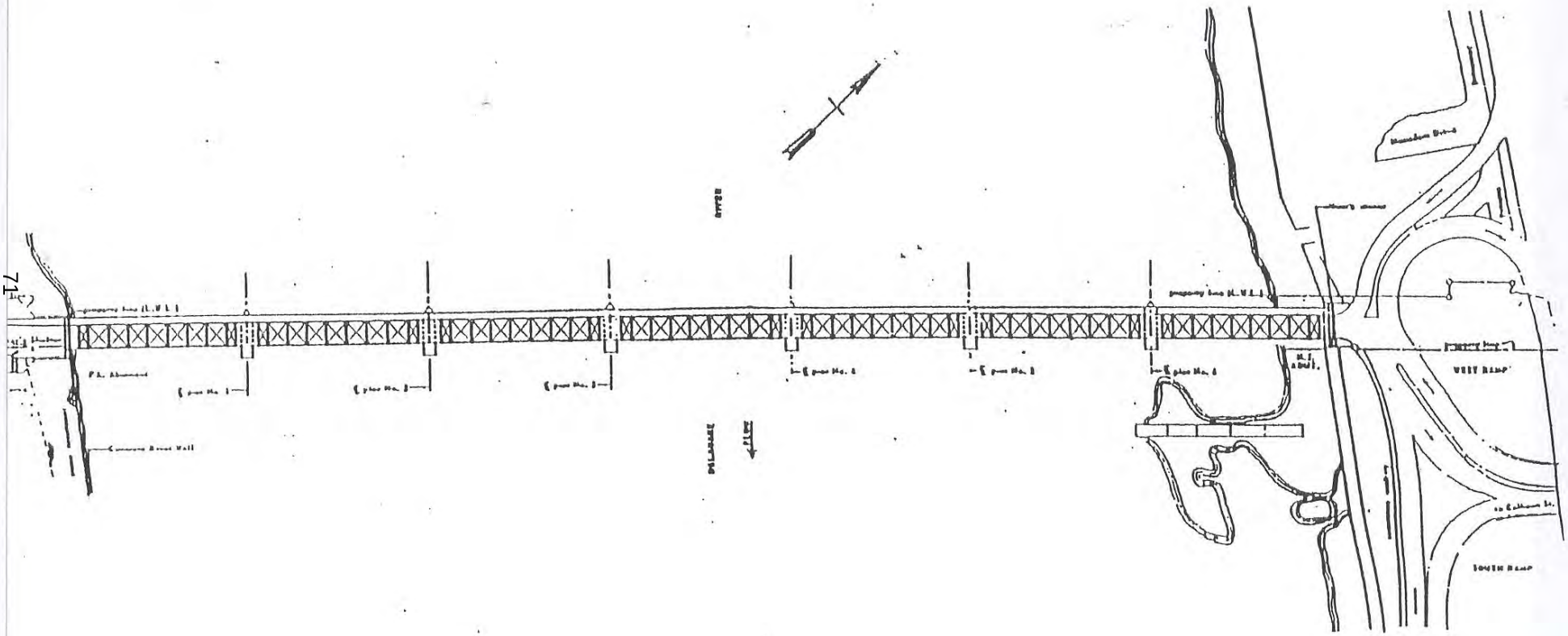
CALHOUN STREET

TOLL-SUPPORTED BRIDGE

(Structure No. 60)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
BOROUGH OF MORRISVILLE

STATE OF NEW JERSEY
COUNTY OF MERCER
CITY OF TRENTON



CALHOUN STREET TOLL SUPPORTED BRIDGE

GENERAL

CALHOUN STREET TOLL-SUPPORTED BRIDGE
(7 span, wrought iron phoenix truss)

The Calhoun Street Toll-Supported Bridge (Structure No. 60) is one of three bridges constructed to connect Trenton, New Jersey and Morrisville, Pennsylvania. The truss was built in 1884 and the stone masonry substructure was built in 1859.

The structure is a seven span, wrought iron, pin connected Phoenix Pratt Truss with a total length of approximately 1,274 feet. The open steel grid deck provides a curb to curb width of 18 feet, 6 inches. A timber plank sidewalk is supported by the upriver truss on steel cantilever brackets.

The structure is currently posted for a 3 ton weight limit restriction and a 15 mph speed limit. The structure is also posted for an 8 foot vertical clearance.

A comprehensive rehabilitation of the structure was recently completed under Contract TS-447B. The rehabilitation was completed and the bridge re-opened to traffic on September 24, 2010.

Contract No. T/TS-476A-1 Substructure Repair & Scour Remediation - District 1, included underwater concrete repairs to the footings at piers 4, 5 & 6. This work was completed in 2010. Contract No. T/TS-573A includes the underwater footing repairs at piers 1, 2 & 3. This contract work is scheduled for completion by February 29, 2012.

CALHOUN STREET TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the southwest and southeast approach corners of the Calhoun Street Toll-Supported Bridge are Commission owned Pennsylvania and New Jersey officer shelters.

SIGNIFICANT FINDINGS

A comprehensive rehabilitation of the structure was completed on September 24, 2010 under Contract TS-447B. Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

CALHOUN STREET TOLL-SUPPORTED BRIDGE
(7 span, wrought iron phoenix truss)

The structure is in overall very good condition.

The deck and approach roadway are in very good condition.

The superstructure and substructure are in very good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in satisfactory condition with deteriorated concrete and exposed pier footings.

CALHOUN STREET TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall satisfactory condition. The northwest corner of the foundation exhibits cracks. The concrete steps at the entrance door are cracked along the base of the shelter. The wood frame at the basement door exhibits weathering and insulation was noted to be missing below the floor. There is a hole in the siding on the right side of the entrance door at the west side.

The New Jersey officer shelter is in overall good condition.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

CALHOUN STREET TOLL-SUPPORTED BRIDGE

The structure is in overall very good condition. Place riprap channel protection around the west abutment and at all the piers (470 CY). Repair the areas of missing stones in the masonry of Piers 1, 2 and 6 (5 SY). Patch the spalls and deteriorated concrete throughout the abutments and piers with an epoxy material (75 SF). Repoint the mortar joints in the west abutment and at all the piers (225 LF).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

CALHOUN STREET TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall satisfactory condition.

The New Jersey officer shelter is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Calhoun Street Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2010			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
CSTSB	**Unplanned Projects**	*$219,000*	$15,000	$16,000
	FACILITIES AND GROUNDS SUB TOTAL	***$219,000***	**$15,000**	**$16,000**
	TOTAL COST	***$219,000***	**$15,000**	**$16,000**

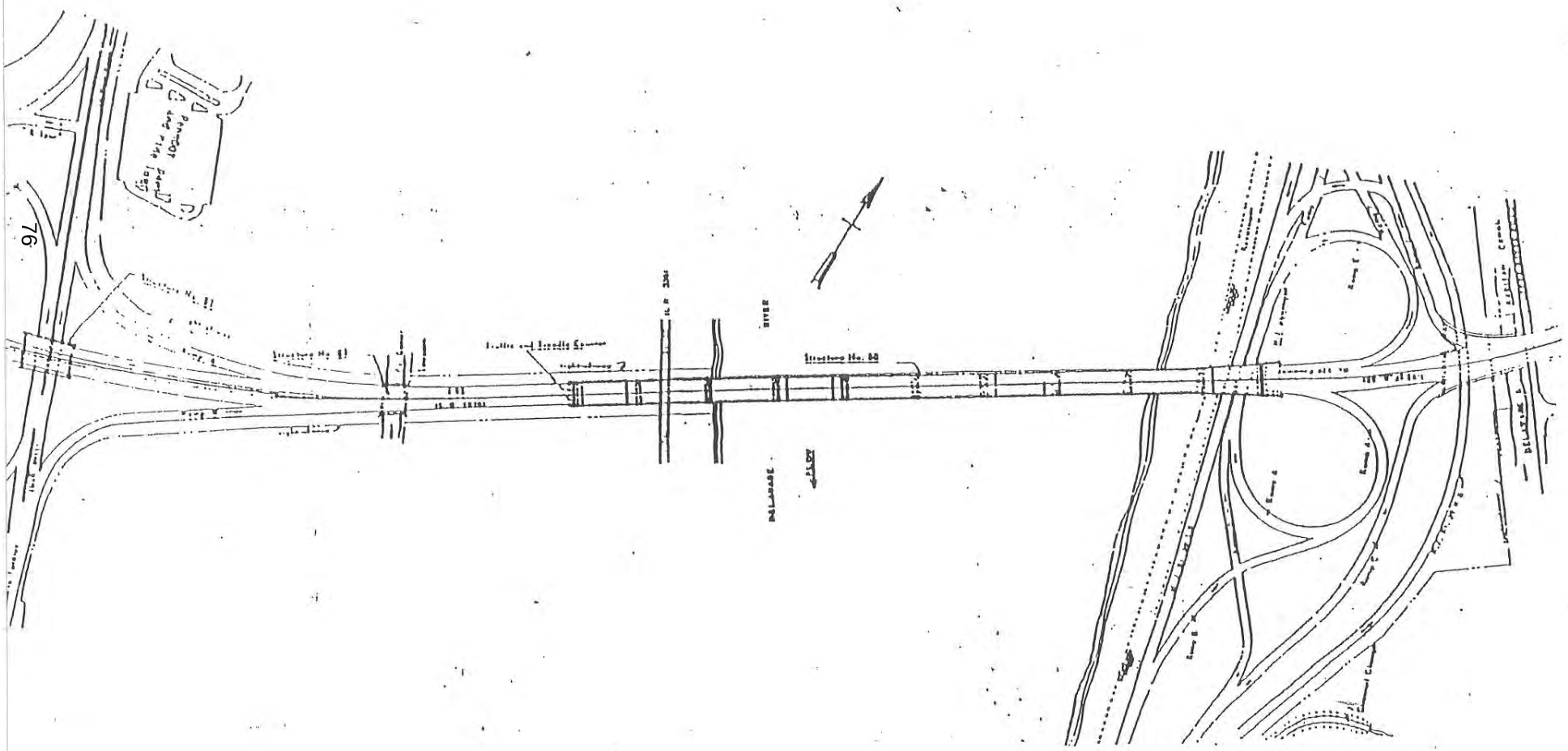
SCUDDER FALLS

TOLL-SUPPORTED BRIDGES

(Structure Nos. 80, 81 & 82)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
TOWNSHIP OF LOWER MAKEFIELD

STATE OF NEW JERSEY
COUNTY OF MERCER
TOWNSHIP OF EWING



SCUDDER FALLS TOLL SUPPORTED BRIDGE

GENERAL

SCUDDER FALLS TOLL-SUPPORTED BRIDGE
(10 span, riveted steel plate girder)

The Scudder Falls Toll-Supported Bridge (Structure No. 80) carries Interstate 95 over the Delaware River from Lower Makefield Township, Pennsylvania to Ewing Township, New Jersey.

The main river bridge is a ten span, riveted plate girder structure consisting of two span continuous deck girders and alternating cantilever spans. Built by the Commission in 1959 and opened to traffic on June 22, 1961, the bridge carries two dual roadways each having a curb to curb width of 27 feet with a concrete median barrier, and flanked by an upstream and downstream safety walk. The total length of the bridge is 1,740 feet. The substructure units are reinforced concrete, with stone facing on the piers.

The posted speed limit on the bridge approach roadways is 55 mph. The Commission's jurisdiction at this crossing also includes two Pennsylvania approach overpasses, one at the Pennsylvania Canal and the other at Taylorsville Road.

The Commission is moving forward with plans to replace the Scudder Falls Bridge based on conclusions contained in its Southerly Crossings Corridor Study.

The bridge replacement project is projected to be the largest single capital undertaking in the Commission's history -- $310 million – providing new capacity and new safety upgrades to meet both current and future traffic demands along I-95 in Pennsylvania, at the bridge's two adjoining interchanges in New Jersey and Pennsylvania, and on the bridge itself. The current four-lane bridge with no breakdown shoulders ranks as the most heavily travelled river crossings among the 20 bridges in the Commission's system.

The proposed project area would extend 4.4 miles along I-95 – from the Route 332 interchange in Bucks County, Pa. to the Bear Tavern Road interchange in Mercer County, N.J. It would be the largest single construction project in the Commission's nearly 75-year history. The work would include a complete replacement of the existing four-lane Scudder Falls Bridge over the Delaware River with six lanes of through traffic (three in each direction), two auxiliary northbound lanes for entry/exit travel, and one auxiliary southbound lane for entry/exit travel.
Other major components of the project include:

- Widening of I-95 from the Route 332 exit in Pennsylvania to the bridge by adding an additional lane in each direction (widening to the inside of the highway).
- Reconfiguration of the I-95/Taylorsville Road Interchange in Lower Makefield Twp., Pa. by eliminating the existing eastern southbound off-ramp from I-95 and combining it with the existing western southbound off-ramp.
- Reconstruct and reconfigure the Route 29 interchange through the use of roundabouts. This option would avoid traffic signals, resulting in a folded diamond interchange with two roundabout intersections at the ramps with I-95.
- Addition of a bicycle and pedestrian facility on the southbound side of the bridge

- $7.5 million of noise-abatement walls along the approach roadways leading to and from the bridge.

To finance the multi-faceted project, the Commission has decided to implement cashless tolling at the facility due to the absence of federal and state transportation funding. The Commission committed to cashless tolling because it would have been unfair to apply the financial burden to motorists at its seven existing toll bridges, most notably customers who use the I-78, and Delaware Water Gap (I-80) Toll Bridges.

The Commission is currently seeking to acquire the services of a Financial Advisor in association with an Independent Legal Counsel who, collectively, are familiar with Alternative Program Delivery Strategies such as: Public Private Partnerships (P3's) to provide financial advisory services and legal counsel as to how to leverage the toll revenue stream to finance and complete the project in a timely basis in accordance with authority vested in the Commission by its Compact.

PENNSYLVANIA CANAL OVERPASS
(1 span, simply supported, steel multi-stringer)

The Pennsylvania Canal Overpass (Structure No. 81) carries Interstate Route 95 over the Pennsylvania Canal in Lower Makefield Township, Pennsylvania. The structure is an approach bridge to the main Scudder Falls Toll-Supported Bridge that crosses the Delaware River.

The Pennsylvania Canal Overpass is a simple span, concrete deck, multi-stringer structure founded on reinforced concrete abutments on footings, which are supported by steel bearing piles. Opened to traffic on June 22, 1961, the bridge carries two dual roadways each with a curb to curb width of 37 feet with a concrete median barrier and shoulders. The total span length of the bridge is 61 feet, 4 inches.

TAYLORSVILLE ROAD OVERPASS
(3 span, steel multi-stringer)

Taylorsville Road Overpass (Structure No. 82) carries Interstate 95 over Taylorsville Road in Lower Makefield Township, Pennsylvania and provides access to the main Scudder Falls Toll-Supported Bridge over the Delaware River. The bridge was built in 1959 and opened to traffic on June 22, 1961.

The structure is a three span, concrete deck, multi-stringer structure founded on reinforced concrete abutments and piers on footings that are supported by cast in place concrete piles. The bridge carries two dual roadways each with a curb to curb width of 44 feet with a concrete median barrier and shoulders. The total span length of the bridge is 134 feet.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

SCUDDER FALLS TOLL-SUPPORTED BRIDGE
(10 span, riveted steel plate girder)

The structure is in overall satisfactory condition due the superstructure.

The deck is in good condition.

The approach roadways and associated ramps are in satisfactory condition. Deteriorated asphalt was noted at numerous locations more prevalent adjacent to the concrete headers. The approach roadways and ramps exhibit several small potholes and spalls.

The superstructure is in satisfactory condition. Several stringers exhibit horizontal cracks in the web and material losses at the bottom flange. The 2nd floorbeam from Pier 5 exhibits a crack in the tie plate over the south girder. Sheared anchor bolts are present in the north tie plate at Pier 3 over the north girder, the Floorbeam 6 tie plate over the north girder in Span 5, the Floorbeam 2 tie plate over the north girder in Span 6 and the Floorbeam 2 tie plate over the north girder in Span 9. Both girders exhibit large areas of peeling paint and surface rust in the web plates with minor material losses.

The substructure is in good condition.

An underwater inspection was performed in 2006 under Contract No. C-467D. The substructure units below the waterline were found to be in good condition with only minor spalls and minor exposure of the Pier 3 footing.

PENNSYLVANIA CANAL OVERPASS
(1 span, simply supported, steel multi-stringer)

The structure is in overall satisfactory condition due to the superstructure.

The deck and approach roadway is in good condition.

The superstructure is in satisfactory condition. Heavy laminar rust is typical at the stringer ends and bearings with minor material losses.

The substructure is in good condition.

An underwater inspection was performed in 2006 under Contract No. C-467D. The substructure units below the waterline were found to be in good condition with only fine random cracks throughout.

TAYLORSVILLE ROAD OVERPASS
(3 span, steel multi-stringer)

The structure is in overall fair condition due the superstructure.

The deck is in satisfactory condition. The underside of deck exhibits areas of fine mapcracking with efflorescence and water stains in all spans.

The approach roadway is in good condition.

The superstructure is in fair condition. Stringers exhibit moderate to heavy laminar rust with material losses up to 1/8" at the bottom flange and lower web. Stringer 14 exhibits moderate impact damage at the bottom flange over the right northbound lane. Heavy laminar rust is typical at the bearings with heavy debris accumulation surrounding the bearing seats.

The substructure is in satisfactory condition. The east abutment backwall exhibits a spall with exposed rebar at the north end. Medium vertical cracks are typical throughout. Several previous concrete patches have failed at Pier 2.

CONCLUSIONS

Based on the findings of the 2010 inspections, the main river bridge and all approach structures are capable of safely supporting all legal loads.

SCUDDER FALLS TOLL-SUPPORTED BRIDGE

The structure is in overall satisfactory condition due to minor deterioration of structural elements. The Commission is currently in the Environmental Assessment phase of moving forward with plans to replace the Scudder Falls Bridge and approach roadways from Route 332 in Pennsylvania to Bear Tavern Road in New Jersey.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

PENNSYLVANIA CANAL OVERPASS

The structure is in overall satisfactory condition due to minor deterioration of structural elements. The Commission is currently in the Environmental Assessment phase of moving forward with plans to replace the Scudder Falls Bridge and approach roadways from Route 332 in Pennsylvania to Bear Tavern Road in New Jersey.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

TAYLORSVILLE ROAD OVERPASS

The structure is in overall fair condition due to minor deterioration of primary structural elements. The Commission is currently in the Environmental Assessment phase of moving forward with plans to replace the Scudder Falls Bridge and approach roadways from Route 332 in Pennsylvania to Bear Tavern Road in New Jersey.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Scudder Falls Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
393	**I-95 / SF Replacement Project**	*$328,596,000*	$10,682,000	$17,261,000
	BRIDGES SUB TOTAL	***$328,596,000***	**$10,682,000**	**$17,261,000**
	Facilities and Grounds			
SFTSB	**Unplanned Projects**	*$442,000*	$75,000	$78,000
	FACILITIES AND GROUNDS SUB TOTAL	***$442,000***	**$75,000**	**$78,000**
	TOTAL COST	***$329,038,000***	**$10,757,000**	**$17,339,000**

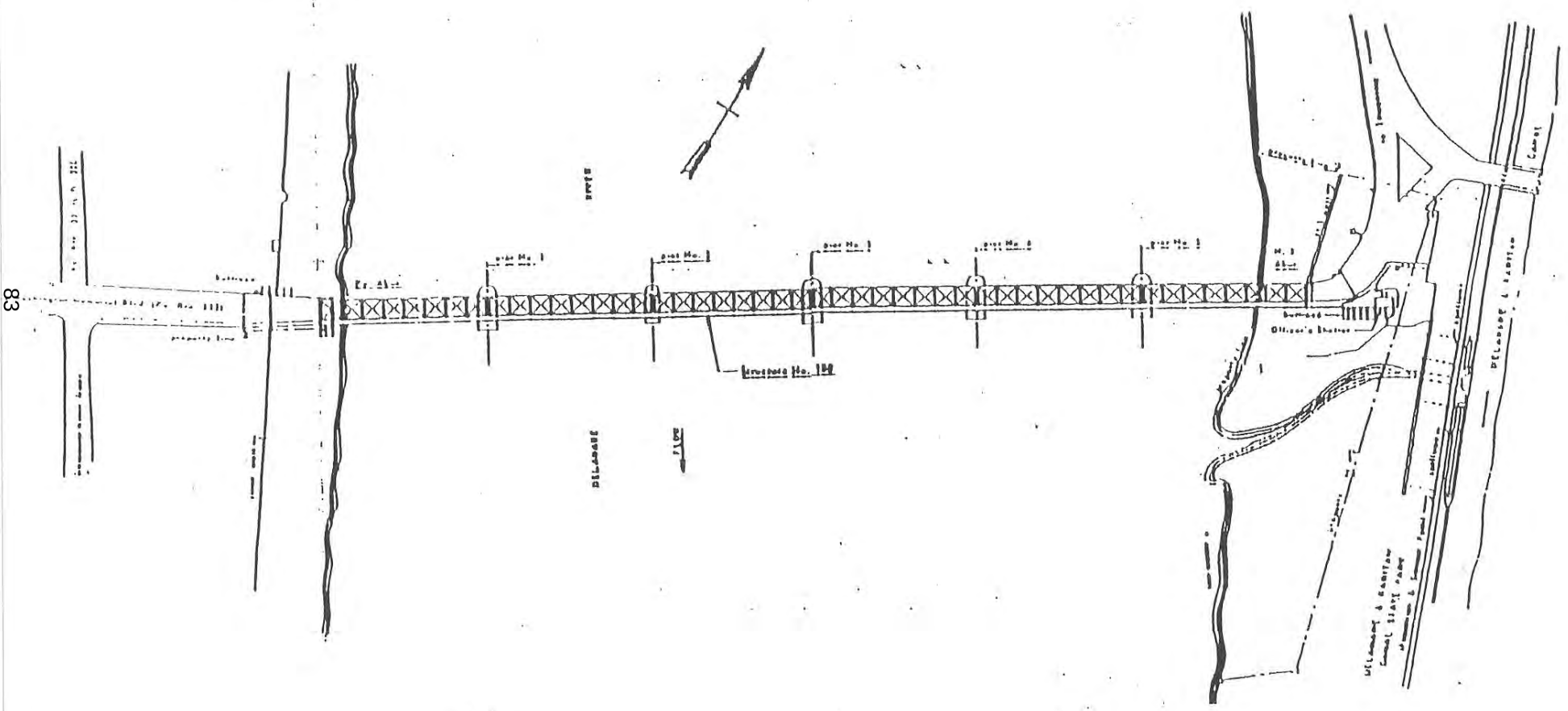
WASHINGTON CROSSING

TOLL-SUPPORTED BRIDGE

(Structure No. 100)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
TOWNSHIP OF UPPER MAKEFIELD
WASHINGTON CROSSING

STATE OF NEW JERSEY
COUNTY OF MERCER
TOWNSHIP OF HOPEWELL
WASHINGTON CROSSING



WASHINGTON CROSSING TOLL SUPPORTED BRIDGE

GENERAL

WASHINGTON CROSSING TOLL-SUPPORTED BRIDGE
(6 span, double warren truss)

The Washington Crossing Toll-Supported Bridge (Structure No. 100) connects Mercer County Route 546 in Hopewell Township, New Jersey with PA Route 532 (George Washington Memorial Boulevard) in the Township of Taylorsville in Upper Makefield, Pennsylvania.

The structure is a six span double Warren Truss, with a total length of approximately 877 feet. The steel superstructure was built in 1904. The substructures, composed of rubble stone faced masonry, are from the original construction in 1831. The open steel grid deck provides a curb to curb width of 15 feet. The downstream side of the truss supports a cantilevered, wood planked sidewalk.

The structure is currently posted for a 3 ton weight limit restriction and a 15 mph speed limit. The structure is also posted for an 8 foot vertical clearance.

The deck joint support system was repaired under Contract No. TS-428A in 2005. This Contract consisted of repairing and replacing riser beams. High priority substructure repairs were also completed under this contract during 2005 due to post flood damage.

The structure was rehabilitated under Contract No. TS-442A in 2010.

Contract No. T/TS-573A, Substructure Repair & Scour Remediation, Toll & Toll-Supported Bridges, Districts 1, 2 & 3 includes underwater scour remediation around the aprons at piers 3, 4 & 5. This project also includes masonry repointing and stone replacement at pier 5. This contract work is scheduled for completion by February 29, 2012.

WASHINGTON CROSSING TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the southeast approach corner of the Washington Crossing Toll-Supported Bridge is a Commission owned New Jersey officer shelter.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

WASHINGTON CROSSING TOLL-SUPPORTED BRIDGE
(6 span, double warren truss)

The structure is in overall fair condition due to the superstructure.

The deck is in good condition.

The approach roadway is in good condition.

The superstructure is in fair condition. The lower chord exhibits impact damage at the north truss from panel points L2 to L4, and L7 to L8 in Span 3, L7 to L8 in Span 4, L1 to L5 in Span 5 and L1 to L3 in Span 6. The south tie rod at Span 2, the south tie rod at Span 3, the north tie rod at Span 4, the north tie rod at Span 5 and the north tie rod at Span 6 have been removed. Light to moderate rust with minor section losses is typical throughout the floorsystem.

The substructure is in good condition. The west abutment was reconstructed under Contract TS-442A.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were noted to be in satisfactory condition due to minor deterioration and undermining of the pier aprons and loss of pointing and cracks in the west abutment and wingwalls.

WASHINGTON CROSSING TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

CONCLUSIONS

The structure was rehabilitated under Contract No. TS-442A in 2010. Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

WASHINGTON CROSSING TOLL-SUPPORTED BRIDGE

The structure is in overall fair condition due to the condition of the superstructure.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

WASHINGTON CROSSING TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Washington Crossing Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	Phase 1 rehabilitation was completed in 2010.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
WCTSB	**Unplanned Projects**	*$196,000*	$15,000	$16,000
	FACILITIES AND GROUNDS SUB TOTAL	***$196,000***	**$15,000**	**$16,000**
	TOTAL COST	***$196,000***	**$15,000**	**$16,000**

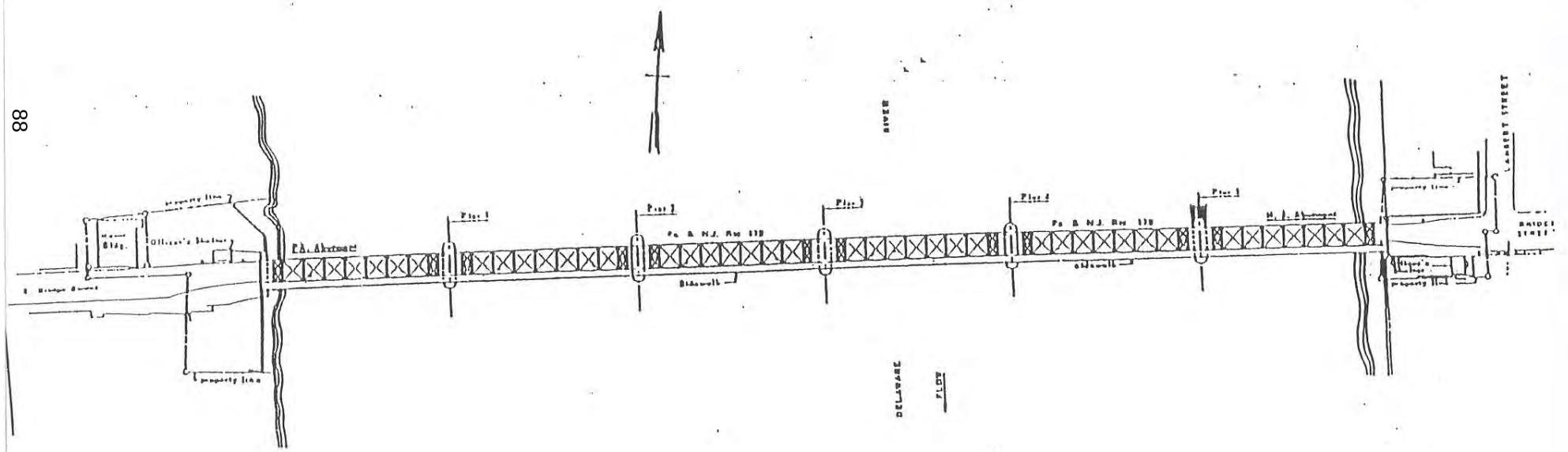
NEW HOPE-LAMBERTVILLE

TOLL-SUPPORTED BRIDGE

(Structure No. 120)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
BOROUGH OF NEW HOPE

STATE OF NEW JERSEY
COUNTY OF HUNTERDON
CITY OF LAMBERTVILLE



NEW HOPE - LAMBERTVILLE TOLL SUPPORTED BRIDGE

GENERAL

NEW HOPE-LAMBERTVILLE TOLL-SUPPORTED BRIDGE
(6 span, pin connected pratt truss)

The New Hope-Lambertville Toll-Supported Bridge (Structure No. 120) connects Bridge Street in New Hope, Pennsylvania to Lambertville, New Jersey.

The structure, constructed in 1904, is a six span pin connected Pratt Truss with a total length of approximately 1,046 feet. The open steel grid deck provides a curb to curb width of 20 feet 7 inches. A timber plank sidewalk, installed in 1982, and replaced in 2004 with fiberglass panels, is supported on the downstream side by steel cantilever brackets. Abutments, wingwalls and piers are ashlar faced masonry; the piers are stone filled. All substructure units are from original construction in 1814.

The structure is currently posted for a 4 ton weight limit restriction and a 15 mph speed limit.

The structure was rehabilitated under Contract No. TS-370A in 2004. Priority repairs to Pier 2 were completed in 2007 under Contract No. DB-457B.

Contract No. T/TS-476A-1 Substructure Repair & Scour Remediation - District 1, included above water repairs to all five (5) piers and both abutments including masonry repointing and replacement of stone masonry. Spall repairs were also completed at pier 5. This work was completed in 2010. Contract No. T/TS-573A includes replacement of stone masonry and repointing at the NJ abutment. This work will be completed by February 2012.

NEW HOPE-LAMBERTVILLE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the northwest and southeast approach corners of the New Hope-Lambertville Toll-Supported Bridge are Commission owned Pennsylvania and New Jersey officer shelters. At the Pennsylvania side of the bridge is a Commission owned former firehouse that primarily functions as a storage facility for the Commission.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

NEW HOPE-LAMBERTVILLE TOLL-SUPPORTED BRIDGE
(6 span, pin connected pratt truss)

The structure is in overall satisfactory condition due to the superstructure.

The deck and approach roadway are in good condition.

The superstructure is in satisfactory condition. Several north and south truss lower chord member's exhibit impact damage in Spans 1 through 5. Many truss member's exhibit minor section losses that have been arrested by the recoating completed under Contract TS-370A.

The substructure is in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in satisfactory condition due to undermining of the pier aprons.

NEW HOPE-LAMBERTVILLE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania and New Jersey officer shelters are in overall good condition.

The firehouse is in overall fair condition. The exterior exhibits cracks in the brick around the windows and corners due to rusting/expansion of the shelf angles and lintels above the windows. The eaves at the roof are rotting and vegetation is growing penetrating the firehouse interior. The interior exhibits cracks in the walls around the windows, water damage and rotting door frames.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

NEW HOPE-LAMBERTVILLE TOLL-SUPPORTED BRIDGE

The structure is in overall satisfactory condition due to minor deterioration of structural elements. Areas of cracked and missing mortar at substructure units should be repaired (±200 LF). Cracks should be repaired at substructure units (±200 LF). Areas of cracked and missing stone masonry should be replaced (±230 SF).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

NEW HOPE-LAMBERTVILLE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania and New Jersey officer shelters are in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

The firehouse is in overall fair condition. Consideration should be given to renovating the Firehouse to meet current code.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

New Hope-Lambertville Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2004			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
NHLTSB	**Unplanned Projects**	*$326,000*	$25,000	$26,000
	FACILITIES AND GROUNDS SUB TOTAL	***$326,000***	**$25,000**	**$26,000**
	TOTAL COST	***$326,000***	**$25,000**	**$26,000**

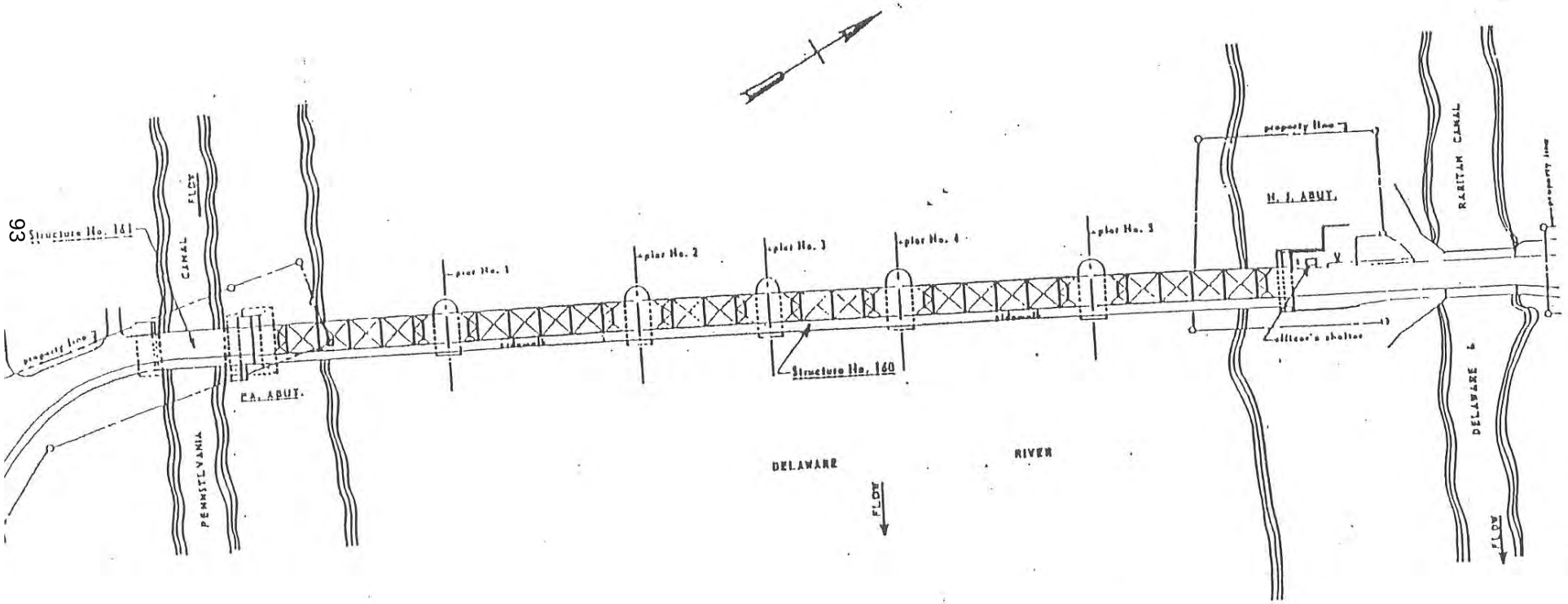
CENTRE BRIDGE-STOCKTON

TOLL-SUPPORTED BRIDGES

(Structure Nos. 160 & 161)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
TOWNSHIP OF SOLEBURY
CENTRE BRIDGE

STATE OF NEW JERSEY
COUNTY OF HUNTERDON
TOWNSHIP OF DELAWARE
BOROUGH OF STOCKTON



CENTRE BRIDGE - STOCKTON TOLL SUPPORTED BRIDGE

GENERAL

CENTRE BRIDGE-STOCKTON TOLL-SUPPORTED BRIDGE
(6 span, riveted steel warren truss)

The Centre Bridge-Stockton Toll-Supported Bridge (Structure No. 160) connects PA Route 32 in Solebury Township, Pennsylvania to NJ Route 29 in Stockton, New Jersey.

The bridge, opened to traffic in 1927, is a six span, riveted steel Warren Truss structure, with a total length of approximately 825 feet. The open steel grid deck provides a curb to curb with of 20 feet. In addition, a six foot timber plank sidewalk is supported on the downriver truss on steel cantilever brackets. The piers and abutments originally constructed in 1814 from random ashlar masonry are stone filled and rest upon timber crib foundations. In 1926 portions of the piers were encased with reinforced concrete.

The structure is currently posted for a 5 ton weight limit restriction and a 25 mph speed limit. The structure is also posted for a 12 feet vertical clearance.

A comprehensive rehabilitation of the Centre Bridge-Stockton Toll-Supported Bridge was completed in 2007 under Contract No. TS-429A.

Contract No. T/TS-476A-1 Substructure Repair & Scour Remediation - District 1, included underwater repairs to all five (5) piers including partially grouted riprap around and under portions of the pier aprons. This contract also included above water spall repairs at all five piers and both abutments. This work was completed in 2010.

CENTRE BRIDGE-STOCKTON TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the northeast approach corner of the Centre Bridge-Stockton Toll-Supported Bridge is a Commission owned New Jersey officer shelter.

PENNSYLVANIA CANAL OVERPASS
(1 span, prestressed concrete adjacent box beams)

The Pennsylvania Canal Overpass (Structure No. 161) carries traffic over the Pennsylvania Canal in Solebury Township, PA. The structure is an approach bridge to the main Centre Bridge-Stockton Toll-Supported Bridge that crosses the Delaware River.

The Pennsylvania Canal Overpass is a simple span, prestressed concrete adjacent box beam structure. The curb to curb width is 20 feet and the span length is 63 feet.

A comprehensive rehabilitation of the Pennsylvania Canal Overpass was completed in 2007 under Contract TS-429A.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the main river bridge and approach structure is capable of safely supporting the posted load.

CENTRE BRIDGE-STOCKTON TOLL-SUPPORTED BRIDGE
(6 span, riveted steel warren truss)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in fair condition due to the undermining of the footing at Piers 2 to 5.

CENTRE BRIDGE-STOCKTON TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

PENNSYLVANIA CANAL OVERPASS
(1 span, prestressed concrete adjacent box beams)

The structure is in overall good condition.

The deck, approach roadway and substructure are in good condition.

The superstructure is in very good condition.

An underwater inspection was performed in 2006 under Contract No. C-467D. The substructure units below the waterline were found to be in good condition with only minor spalls and cracks.

CONCLUSIONS

Based on the findings of the 2010 inspections, the main river bridge and approach structure is capable of safely supporting the posted load.

CENTRE BRIDGE-STOCKTON TOLL-SUPPORTED BRIDGE

The structure is in overall good condition due to some minor problems. Concrete should be repaired at substructure units (±475 SF). Debris should be removed at substructure units (±5 CY).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

CENTRE BRIDGE-STOCKTON TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

PENNSYLVANIA CANAL OVERPASS

The structure is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Centre Bridge-Stockton Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2007			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
CBSTSB	**Unplanned Projects**	*$326,000*	$25,000	$26,000
	FACILITIES AND GROUNDS SUB TOTAL	***$326,000***	**$25,000**	**$26,000**
	TOTAL COST	***$326,000***	**$25,000**	**$26,000**

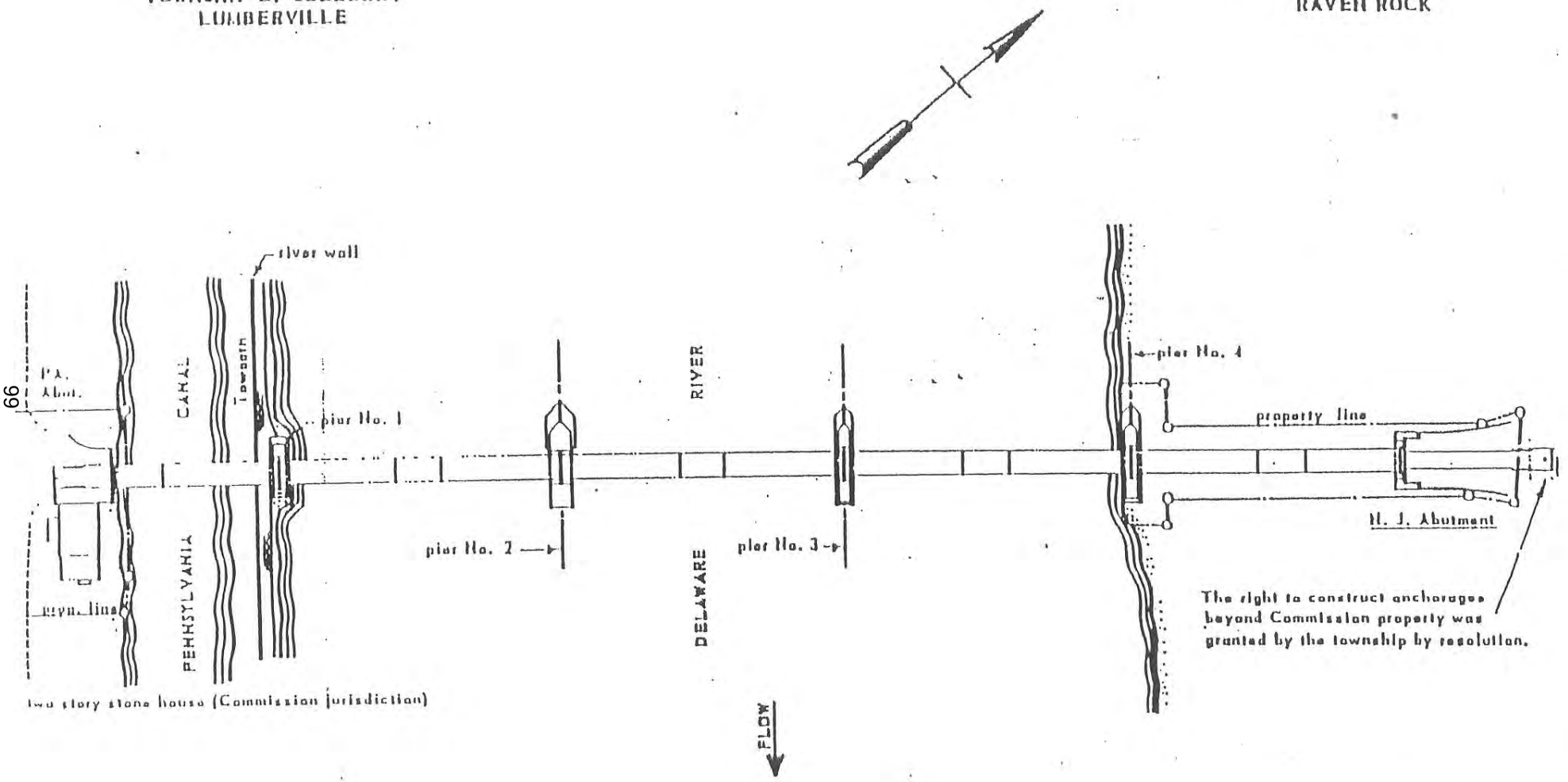
LUMBERVILLE-RAVEN ROCK

TOLL-SUPPORTED BRIDGE

(Structure No. 180)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
TOWNSHIP OF SOLEBURY
LUMBERVILLE

STATE OF NEW JERSEY
COUNTY OF HUNTERDON
TOWNSHIP OF DELAWARE
RAVEN ROCK



LUMBERVILLE - RAVEN ROCK TOLL SUPPORTED BRIDGE

GENERAL

LUMBERVILLE-RAVEN ROCK TOLL-SUPPORTED BRIDGE
(5 span, suspension)

The Lumberville-Raven Rock Toll-Supported Bridge (Structure No. 180) connects Solebury Township (Lumberville) in Pennsylvania with Delaware Township (Raven Rock) in New Jersey.

This pedestrian bridge is a five span suspension bridge with straight backstays and a precast waffle style concrete slab held together by longitudinal post tensioning web cables. The floor system is strengthened by cable trusses along each suspension cable. The width of the walkway is 7 feet, 7 inches and the structure length is approximately 688 feet.

The bridge was closed to vehicular traffic in February of 1944. In 1947, the superstructure was re-built on the original 1856 masonry substructure.

A major rehabilitation contract was completed in 1993 that included a new deck slab, pier and abutment repointing, approach sidewalks and bridge lighting. The entire bridge was last painted in 1980 by Maintenance forces and the towers were again painted in 1990.

Contract No. T/TS-573A Substructure Repairs & Scour Remediation, Toll & Toll-Supported Bridges, Districts 1, 2 & 3 included underwater repairs to the aprons and footings at piers 1, 2 and 3 including tremie concrete fill, toe wall and apron repairs. This contract also included above water work at piers 1, 2 and 3 including masonry repointing, spall repairs and replacement of stone masonry. This work will be completed by February 2012.

LUMBERVILLE-RAVEN ROCK TOLL-SUPPORTED BRIDGE FACILITY AND GROUNDS

At the southwest corner of the Lumberville-Raven Rock Toll-Supported Bridge is a Commission owned house. Adjacent to this Commision owned house and property is a retaining wall along the Pennsylvania Canal.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting pedestrian loading.

LUMBERVILLE-RAVEN ROCK TOLL-SUPPORTED BRIDGE
(5 span, suspension)

The structure is in overall poor condition due to the substructure.

The deck and approach walkways are in good condition.

The superstructure is in fair condition. Both fascia girders exhibit areas of light to moderate surface rust at the bottom flange more prevalent adjacent to the bridge scuppers due to water infiltration. Struts exhibit light to moderate pack rust at the fascia ends. Pitting with areas of up

to 50% material loss is present at the steel rod cross bracing. The suspension towers exhibit areas of moderate to severe pack rust at the tower base.

The substructure is in poor condition. The concrete aprons at Piers 1 and 4 exhibit random wide cracks. The concrete aprons at Piers 2 and 3 are missing several sections exposing the timber cribbing pier foundations. The remaining sections exhibit wide cracks and undermining.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in poor condition due to undermining and deteriorated concrete aprons at Piers 2 and 3.

LUMBERVILLE-RAVEN ROCK TOLL-SUPPORTED BRIDGE FACILITY AND GROUNDS

The house is in overall poor condition and exhibits exterior and interior paint peeling, deteriorated wood porch framing, broken and missing roof shingles, failed window sealers and a leaning oil tank foundation.

The southwest retaining wall along the Pennsylvania Canal is partially collapsed and leaning. The stones have become loose throughout.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting pedestrian loading.

LUMBERVILLE-RAVEN ROCK TOLL-SUPPORTED BRIDGE

The structure is in overall poor condition due to advance section loss of primary structural elements. The bridge should be blast cleaned and painted due to paint peeling and rust throughout both girders, strut connectors, cross bracing, suspension towers and bearings. Areas of cracked and missing mortar should be repointed at substructure units (±690 LF). Cracks at substructure units should be repaired (±90 LF). Areas of cracked and missing stone masonry should be replaced (±18 SF). Spalled concrete should be repaired at substructure units (±25 SF). Debris should be removed at substructure units (±6 CY).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

LUMBERVILLE-RAVEN ROCK TOLL-SUPPORTED BRIDGE FACILITY AND GROUNDS

The house and retaining wall are in overall poor condition. The oil tank located behind the house is on a slab which settled and is no longer level due to erosion. The tank should be moved to a more stable location. A complete rehabilitation of the Commission owned house should be considered. The southwest retaining wall along the Pennsylvania Canal adjacent to the Commission owned house should be reconstructed.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Lumberville-Raven Rock Toll-Supported Pedestrian Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
443	**L-RR TSB Rehabilitation & Retaining Wall Reconstruction**	*$3,198,000*	$2,334,000	$733,000
	BRIDGES SUB TOTAL	***$3,198,000***	**$2,334,000**	**$733,000**
	Facilities and Grounds			
LRRTSB	**Unplanned Projects**	*$131,000*	$10,000	$11,000
	FACILITIES AND GROUNDS SUB TOTAL	***$131,000***	**$10,000**	**$11,000**
	TOTAL COST	***$3,329,000***	**$2,344,000**	**$744,000**

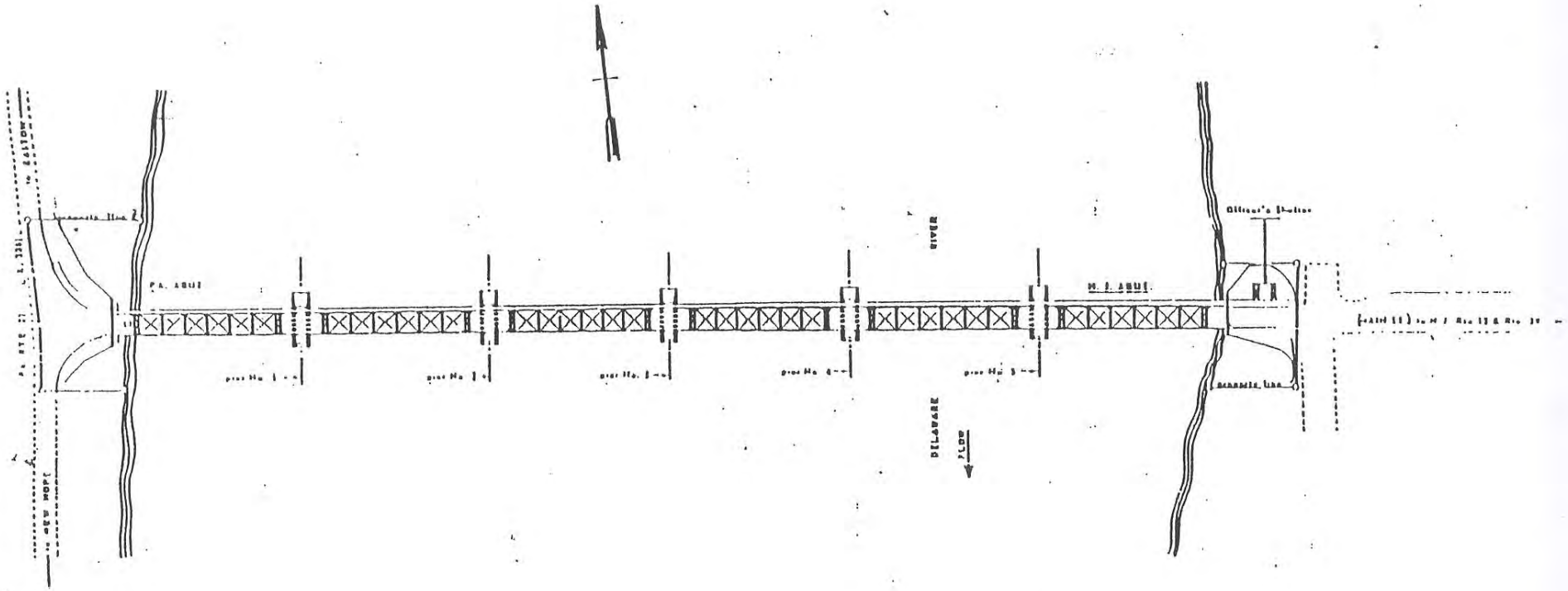
UHLERSTOWN-FRENCHTOWN

TOLL-SUPPORTED BRIDGE

(Structure No. 220)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF BUCKS
TOWNSHIP OF TINICUM
UHLERTOWN

STATE OF NEW JERSEY
COUNTY OF HUNTERDON
BOROUGH OF FRENCHTOWN



UHLERSTOWN – FRENCHTOWN TOLL SUPPORTED BRIDGE

GENERAL

UHLERSTOWN-FRENCHTOWN TOLL-SUPPORTED BRIDGE
(6 span, riveted steel warren truss)

The Uhlerstown-Frenchtown Toll-Supported Bridge (Structure No. 220) carries Bridge Street traffic from Uhlerstown, Tinicum Township in Pennsylvania to Frenchtown, New Jersey.

The bridge, which rests on the original masonry substructure built in 1843, consists of a six span riveted steel Warren Truss structure, built in 1931. The open steel grid deck, added in 1949, provides a curb to curb width of 16 feet 6 inches. The structure is approximately 950 feet in length. A concrete filled steel grid sidewalk is supported by the upstream truss on steel cantilever brackets.

The structure is currently posted for a 15 ton weight limit restriction and a 15 mph speed limit. The structure is also posted for a 12 foot 6 inch vertical clearance.

The structure was rehabilitated in 2001 under Contract No. TS-363.

Contract No. T/TS-476A-2 Substructure Repair & Scour Remediation - Districts 2 & 3, included above water repairs to all five (5) piers and the NJ abutment including masonry repointing, epoxy injection crack sealing and replacement of stone masonry. Spall repairs were also completed at piers 1 and 4. This work was completed in 2010.

UHLERSTOWN-FRENCHTOWN TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the northeast approach corner of the Uhlerstown-Frenchtown Toll-Supported Bridge is a Commission owned New Jersey officer shelter.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

UHLERSTOWN-FRENCHTOWN TOLL-SUPPORTED BRIDGE
(6 span, riveted steel warren truss)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in satisfactory condition due to undermining of the concrete aprons at the piers.

UHLERSTOWN-FRENCHTOWN TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

UHLERSTOWN-FRENCHTOWN TOLL-SUPPORTED BRIDGE

The structure is in overall good condition due to minor problems. Debris should be removed at substructure units (±18 CY).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

UHLERSTOWN-FRENCHTOWN TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Uhlerstown-Frenchtown Toll-Supported Bridge

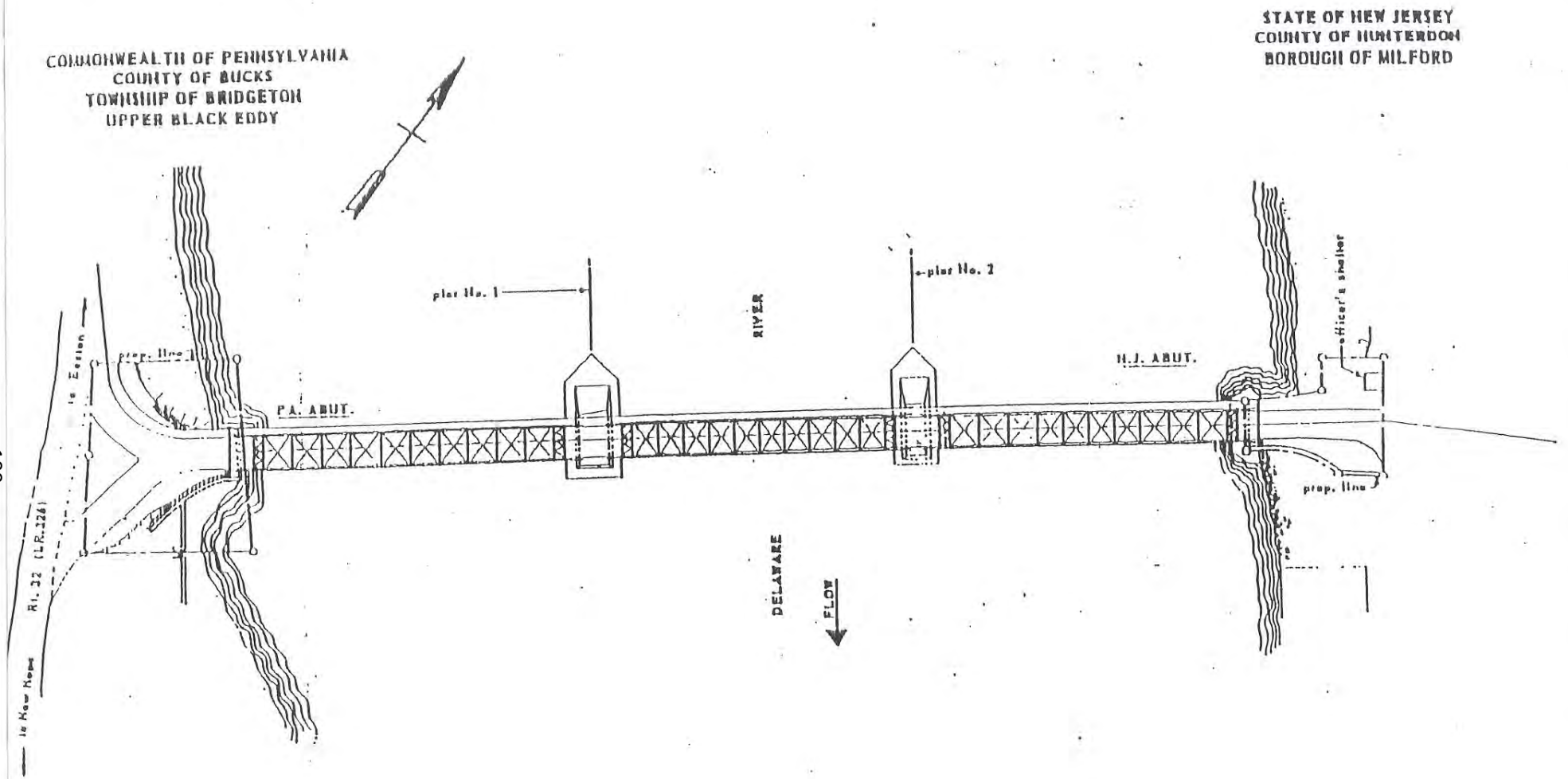
ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2001.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
UFTSB	**Unplanned Projects**	*$326,000*	$25,000	$26,000
	FACILITIES AND GROUNDS SUB TOTAL	***$326,000***	**$25,000**	**$26,000**
	TOTAL COST	***$326,000***	**$25,000**	**$26,000**

UPPER BLACK EDDY-MILFORD

TOLL-SUPPORTED BRIDGE

(Structure No. 240)



UPPER BLACK EDDY – MILFORD TOLL SUPPORTED BRIDGE

GENERAL

UPPER BLACK EDDY-MILFORD TOLL-SUPPORTED BRIDGE
(3 span, warren truss)

The Upper Black Eddy-Milford Toll-Supported Bridge (Structure No. 240) extends over the Delaware River and connects PA Route 32 and Hunterdon County Route 619 via Bridge Street from Upper Black Eddy, Bridgeton Township, Pennsylvania to Milford Borough, New Jersey.

The bridge, constructed in 1933, is a three span Warren Truss structure, with a total length of approximately 700 feet. The deck consists of concrete filled steel inverted "T's" and provides a curb to curb width of 20 feet. Both abutments, recapped with reinforced concrete following flood damage, were originally built in 1842 with rubble faced masonry. The piers, built in 1842, are stone filled having also been recapped with reinforced concrete.

The structure is posted for a 15 mph speed limit.

In 1996 a new galvanized plate sidewalk was added to the bridge and is supported on the upriver truss on steel cantilever brackets. Substructure units were repointed in 1998 under Contract 347.

The structure is scheduled for a comprehensive rehabilitation in late 2010 or early 2011 under Contract No. TS-444A.

UPPER BLACK EDDY-MILFORD TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the northeast approach corner of the Upper Black Eddy-Milford Toll-Supported Bridge is a Commission owned New Jersey officer shelter.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting all legal loads.

UPPER BLACK EDDY-MILFORD TOLL-SUPPORTED BRIDGE
(3 span, warren truss)

The structure is in overall fair condition due to the substructure.

The deck is in satisfactory condition. The top of deck exhibits light to moderate wearing throughout all spans. The underside of the steel grid deck typically exhibits light to moderate rust with moderate to heavy rust below the deck joints and fascia stringers. The steel curbs exhibit light to moderate rust with heavy rust noted at the curb support angles.

The approach roadway is in satisfactory condition. The New Jersey approach roadway exhibits medium transverse and longitudinal cracks throughout. Steel plating is exposed adjacent to the east abutment deck joint due to deteriorated asphalt.

The superstructure is in satisfactory condition. The steel floorbeams and stringers typically exhibit light to moderate rust and peeling paint with areas of minor section losses. The top flange of the roadway stringers typically exhibit severe rust due to water leakage through the steel grid deck. Severe rust and significant pack rust build up is typical at the fascia stringer bearings. Random areas of severe rust with minor section losses exist on several truss members; however no significant material loss was noted. The paint is in overall moderate to poor condition throughout the structure. The truss rocker bearings are in minor expansion with moderate to severe rust throughout.

The substructure is in fair condition. The east and west abutments exhibit cracked and missing mortar and a few missing stones. The two piers exhibit random areas of missing mortar. Severe scaling and hollow sounding areas is typical at the concrete pier caps.

An underwater inspection was performed in 2008 under Contract No. C-444A. The substructure units below the waterline were found to be in good condition with some areas of spalling, cracking, corrosion and joint mortar loss.

UPPER BLACK EDDY-MILFORD TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting all legal loads.

UPPER BLACK EDDY-MILFORD TOLL-SUPPORTED BRIDGE

The structure is in overall fair condition due to minor deterioration of primary structural elements. The structure is scheduled for a comprehensive rehabilitation under Contract No. TS-444A.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

UPPER BLACK EDDY-MILFORD TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Upper Black Eddy-Milford Toll-Supported Bridge

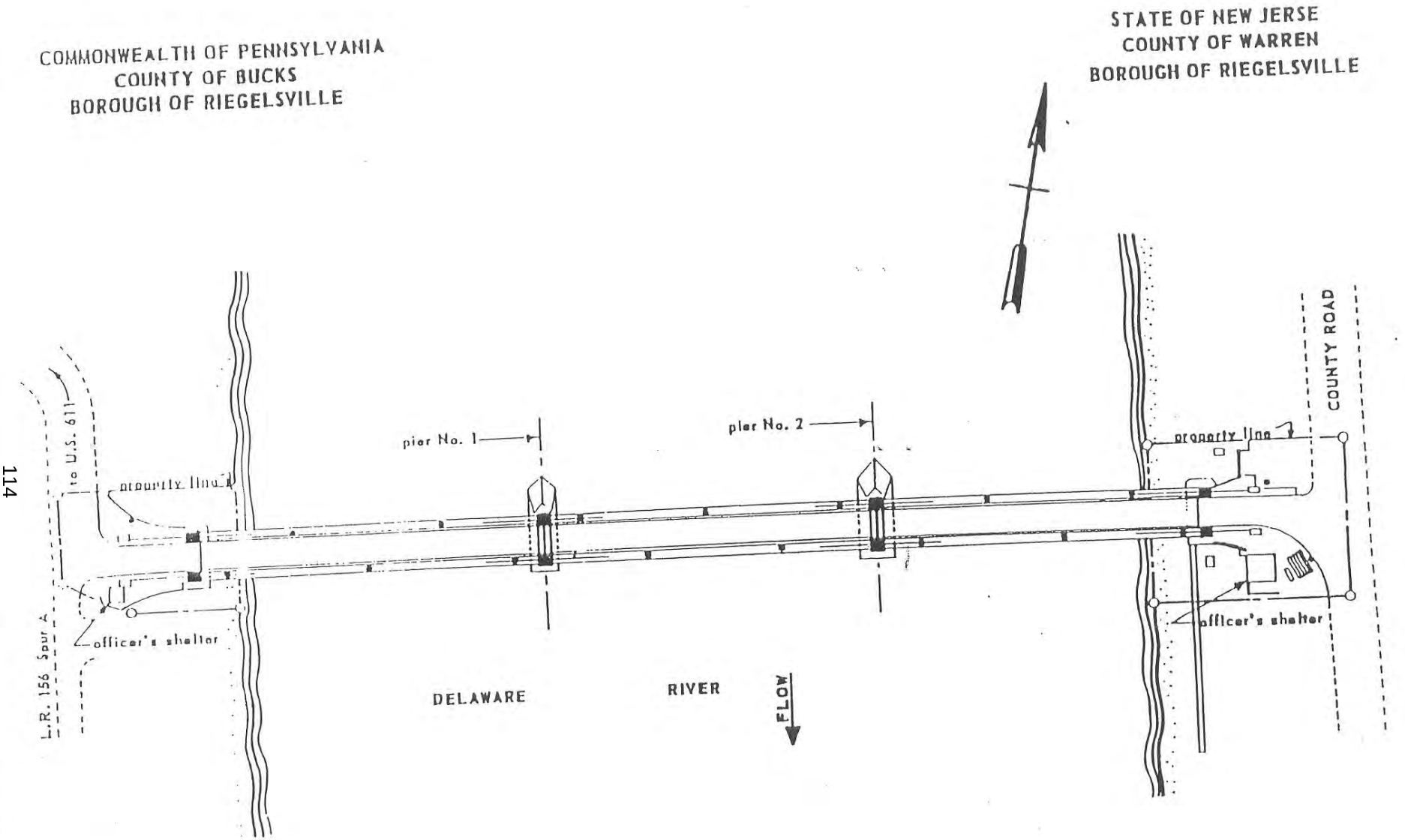
ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2010.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
UBEMTSB	**Unplanned Projects**	*$196,000*	$15,000	$16,000
	FACILITIES AND GROUNDS SUB TOTAL	***$196,000***	**$15,000**	**$16,000**
	TOTAL COST	***$196,000***	**$15,000**	**$16,000**

RIEGELSVILLE

TOLL-SUPPORTED BRIDGE

(Structure No. 260)



RIEGELSVILLE TOLL SUPPORTED BRIDGE

GENERAL

RIEGELSVILLE TOLL-SUPPORTED BRIDGE
(3 span, suspension)

The Riegelsville Toll-Supported Bridge (Structure No. 260) connects Durham Township in Pennsylvania with Pohatcong Township in New Jersey.

The bridge, constructed in 1904, is a three span Cable Suspension bridge with straight backstays and a total length of approximately 577 feet. The open steel grid deck, supported by a king post floorbeam system, provides a curb to curb width of 15 feet 11 inches. A timber plank sidewalk rests on floorbeam cantilevers on both fascias. The sidewalk railing is actually a double Warren Truss, assisting in strengthening the bridge roadway. The substructure, originally built in 1835, was raised and built up in 1904.

The structure is currently posted for a 2 1/2 ton weight limit restriction and a 15 mph speed limit.

Under Contract TS-391, bridge repairs were completed on this structure. Work consisted of strengthening towers on the river piers, replacement of hanger blocks connecting vertical hangers to the floorbeams, repair of floorbeam bearings at each end of the floorbeams of the three spans, concrete repair on pier two and concrete crack repairs at the anchorages. The bridge was last painted by contract in 1985. A cleaning and pointing contract was completed for the substructure in 1998. Contract TS-461A repaired the damaged concrete aprons and additional damage from the Flood of June 2006.

Contract No. T/TS-476A-2 Substructure Repair & Scour Remediation - Districts 2 & 3, included below water repairs to both piers including concrete apron repairs, epoxy injection crack sealing, tremie concrete and concrete bag remediation. This work was completed in 2010.

The structure is currently undergoing a comprehensive rehabilitation under Contract No. TS-445.

RIEGELSVILLE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the southwest and southeast approach corners of the Riegelsville Toll-Supported Bridge are Commission owned Pennsylvania and New Jersey officer shelters.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

RIEGELSVILLE TOLL-SUPPORTED BRIDGE
(3 span, suspension)

The structure is in overall poor condition due to the condition of the superstructure.

The deck is in good condition.

The approach roadway is in fair condition. The west approach roadway exhibits a large asphalt patch area that is settled and spalled at the eastbound roadway with areas of fractured concrete at the north curb.

The superstructure is in poor condition. The steel floorbeams exhibit severe corrosion. Approximately 40 percent of all floorbeams exhibit numerous web holes (up to full height of web). Heavy to severe rust with minor material losses is typical at the bottom flange of the floorbeams. Severe corrosion and material losses is typical at the cross bracing members.
U-bolt connecting cables typically exhibit minor material losses.

The substructure is in satisfactory condition. The abutments exhibit several wide random cracks. Heavy scaling is typical at the east abutment and the Pier 1 and 2 bridge seats.

An underwater inspection was performed in 2008 by under Contract No. C-476A. The substructure units below the waterline were found to be in fair condition due the condition of the abutments and pier aprons.

RIEGELSVILLE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall good condition.

The New Jersey officer shelter is in overall fair to poor condition. Several of the roof shingles are cracked. The wood trim around the roof is rotting. The interior floor is sagging due to the rotting of the floor joists. There are areas of interior water damage.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

RIEGELSVILLE TOLL-SUPPORTED BRIDGE

The structure is in overall poor condition due advance section loss of primary structural elements. The structure is currently undergoing a comprehensive rehabilitation under Contract No. TS-445.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

RIEGELSVILLE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall good condition.

The New Jersey officer shelter is in overall fair to poor condition. The Commission should consider replacement of the officer shelter.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Riegelsville Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2010.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
RTSB	**Unplanned Projects**	*$174,000*	$15,000	$16,000
	FACILITIES AND GROUNDS SUB TOTAL	***$174,000***	**$15,000**	**$16,000**
	TOTAL COST	***$174,000***	**$15,000**	**$16,000**

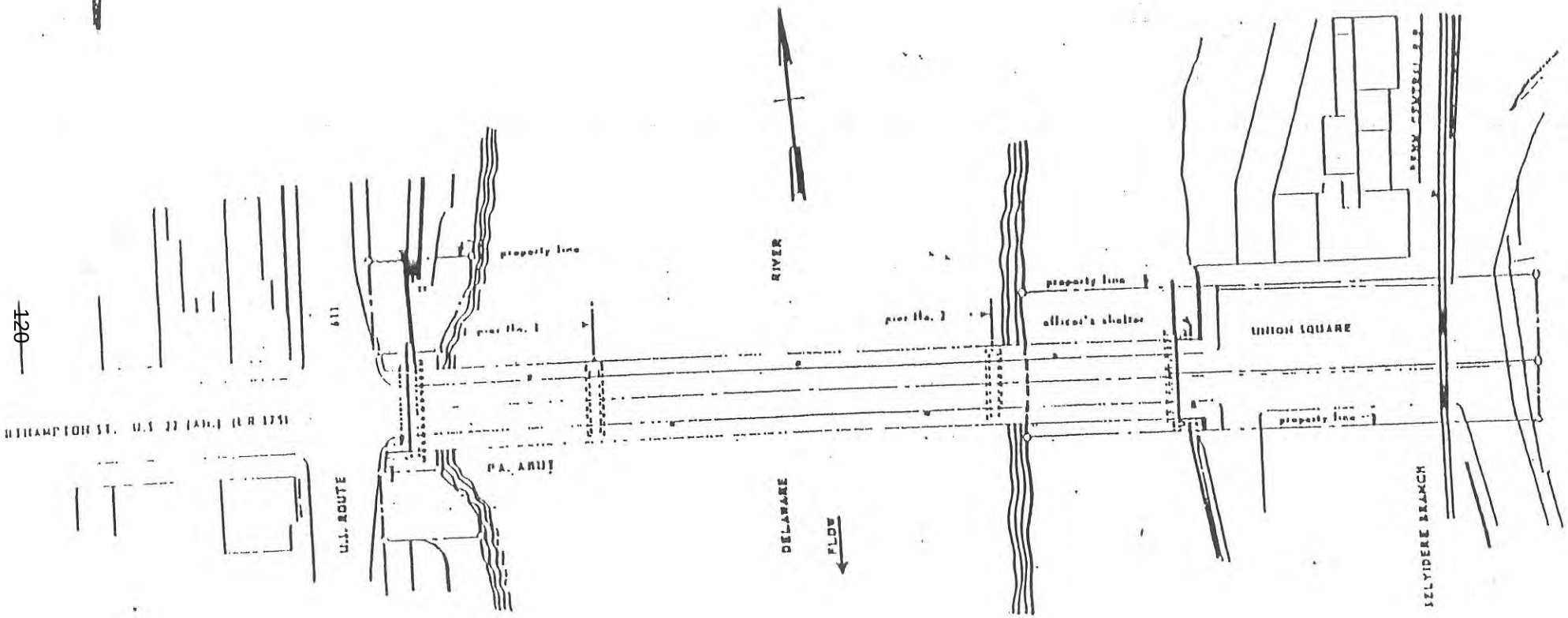
NORTHAMPTON STREET

TOLL-SUPPORTED BRIDGE

(Structure No. 280)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF NORTHAMPTON
CITY OF EASTON

STATE OF NEW JERSEY
COUNTY OF WARREN
TOWN OF PHILLIPSBURG



NORTHAMPTON STREET TOLL SUPPORTED BRIDGE

GENERAL

NORTHAMPTON STREET TOLL-SUPPORTED BRIDGE
(3 span, cantilevered truss)

The Northampton Street Toll-Supported Bridge (Structure No. 280), just south of the Easton-Phillipsburg Toll Bridge, connects Easton, Pennsylvania to Phillipsburg, New Jersey.

The bridge, although aesthetically resembling a suspension bridge, is a double cantilever truss structure, adjoined by a center (main) suspended span. The three lane open steel grid deck provides a curb to curb width of 32 feet and a total bridge length of 550 feet.

The current bridge was constructed in 1895, with a major rehabilitation in 2001 under Contract No. TS-365. Repairs were completed due to flood damages in 2005 and 2006.

The structure is currently posted for a 3 ton weight limit restriction and a 15 mph speed limit.

Contract No. T/TS-476A-2 Substructure Repair & Scour Remediation - Districts 2 & 3, included under water repairs to both piers including concrete apron repairs, epoxy injection crack sealing, tremie concrete and concrete bag remediation. This contract also included masonry repointing at both abutments. This work was completed in 2010.

NORTHAMPTON STREET TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the southwest and northeast approach corners of the Northampton Street Toll-Supported Bridge are Commission owned Pennsylvania and New Jersey officer shelters.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

NORTHAMPTON STREET TOLL-SUPPORTED BRIDGE
(3 span, cantilevered truss)

The structure is in overall satisfactory condition due to the superstructure.

The deck and substructure are in good condition.

The approach roadway is in very good condition.

The superstructure is in satisfactory condition. The floorbeams and stringers typically exhibit minor section losses. Several stringers exhibit minor impact damage. Stringer 9 at L9L10 is bent 5” to the south due to impact damage, and the 3rd riser beam from the west exhibits a 2 1/2” cracked weld at the east side with 3 of 4 connection bolts missing. Impact damage is present at the lower chord in several locations. The eyebars and pin nuts at the suspended portion of Span

2 exhibit movement and the eyebars are loose. There has been no change in movement since the previous inspection. The horizontal lifeline cables exhibit no significant deficiencies.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in satisfactory condition due to deteriorated mortar joints at the west abutment.

NORTHAMPTON STREET TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall fair condition. The brick veneer at the corners above the windows exhibits cracks due to expansion and contraction of the framing. Water is penetrating the brick veneer and causing the relief angles to rust and expand damaging the brick. There is evidence of water penetration through the windows and the walls.

The New Jersey officer shelter is in overall good condition.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

NORTHAMPTON STREET TOLL-SUPPORTED BRIDGE

The structure is in overall satisfactory condition due to minor deterioration in structural elements. Replace the loose and out of plane stones at the substructure masonry (50 SF). Repair the concrete spalls at the substructure units (20 SF).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

NORTHAMPTON STREET TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The Pennsylvania officer shelter is in overall fair condition. The Commission should consider reconstructing or rebuilding the shelter.

The New Jersey officer shelter is in overall good condition.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Northampton Street Toll-Supported Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2002.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
NHSTSB	**Unplanned Projects**	*$339,000*	$25,000	$26,000
	FACILITIES AND GROUNDS SUB TOTAL	***$339,000***	**$25,000**	**$26,000**
	TOTAL COST	***$339,000***	**$25,000**	**$26,000**

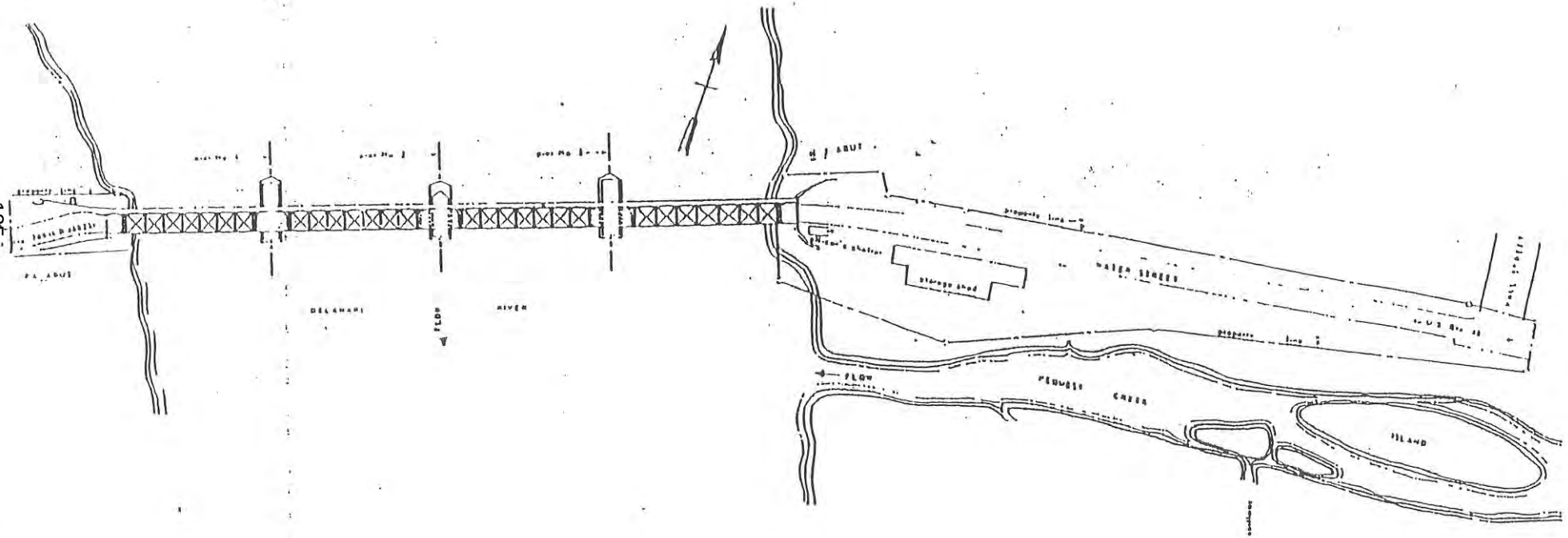
RIVERTON-BELVIDERE

TOLL-SUPPORTED BRIDGE

(Structure No. 320)

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF NORTHAMPTON
TOWNSHIP OF LOWER MOUNT BETHEL
RIVERTON

STATE OF NEW JERSEY
COUNTY OF WARREN
TOWN OF BELVIDERE



RIVERTON – BELVIDERE TOLL SUPPORTED BRIDGE

GENERAL

RIVERTON-BELVIDERE TOLL-SUPPORTED BRIDGE
(4 span, riveted steel, double warren truss)

The Riverton-Belvidere Toll-Supported Bridge (Structure No. 320) carries Water Street across the Delaware River and connects Riverton, Lower Mount Bethel Township, Pennsylvania with the Town of Belvidere, New Jersey.

The bridge, constructed in 1904, is a four span, riveted steel, double Warren Truss structure, with a total length of approximately 653 feet. The open steel grid deck provides a curb to curb width of 16 feet, 4 inches. In addition, a concrete filled steel grid sidewalk is supported on the upriver truss with steel cantilever brackets.

The piers and the Pennsylvania abutment are rough ashlar faced masonry and stone filled. The piers are supported on timber cribs and lower portions are concrete filled steel sheet piling (1929-32). The New Jersey abutment, including its wingwalls, is constructed of concrete on timber piles.

The bridge is currently posted for an 8 ton weight limit restriction and a 15 mph speed limit.

A comprehensive bridge rehabilitation was completed under Contract No. TS-371A in 2007.

Contract No. T/TS-476A-2 Substructure Repair & Scour Remediation - Districts 2 & 3, included spall repairs and epoxy injection crack seal repairs to the aprons at all three (3) piers. Also included in this contract was tremie concrete and concrete bag remediation to the footing at pier 2 and partially grouted riprap around the aprons at piers 1 and 3. This work was completed in 2010.

RIVERTON-BELVIDERE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

At the southeast approach corner of the Riverton-Belvidere Toll-Supported Bridge is a Commission owned New Jersey officer shelter. A commission owned storage garage is also at the southeast end of the bridge.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

RIVERTON-BELVIDERE TOLL-SUPPORTED BRIDGE
(4 span, riveted steel, double warren truss)

The structure is in overall good condition.

The deck, approach roadway, superstructure and substructure are in good condition.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in satisfactory condition due to concrete cracks at the abutments and piers with undermining at Pier 2.

RIVERTON-BELVIDERE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall poor condition. There is a 1/2" diameter hole in the siding at the north side. The wood entrance door frame is rotting. The entire shelter floor is sloped downstream.

The storage garage is in overall poor condition. The roof of the storage garage is in poor condition. There are numerous holes and broken panels with vegetation growth throughout.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting the posted load.

RIVERTON-BELVIDERE TOLL-SUPPORTED BRIDGE

The structure is in overall good condition with some minor problems noted. Areas of cracked and missing mortar should be repointed at substructure units (±20 LF). Cracks at substructure units should be repaired (±52 LF). Spalled concrete should be repaired at substructure units (±410SF). Debris should be removed at substructure units (±12 CY).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

RIVERTON-BELVIDERE TOLL-SUPPORTED BRIDGE FACILITIES AND GROUNDS

The New Jersey officer shelter is in overall poor condition. The Commission should consider replacing the floor joist of the New Jersey officer shelter due to the sloping of the interior floor. The shelter is currently scheduled to be replaced under Contract No. 505: Riverton – Belvidere Water Street Repairs.

The storage garage is in overall poor condition. The Commission should consider undertaking a study to repair and upgrade the condition of the storage shelter roof. This work is currently scheduled to be included under Contract No. 505: Riverton – Belvidere Water Street Repairs.

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Riverton-Belvidere Toll-Supported Bridge

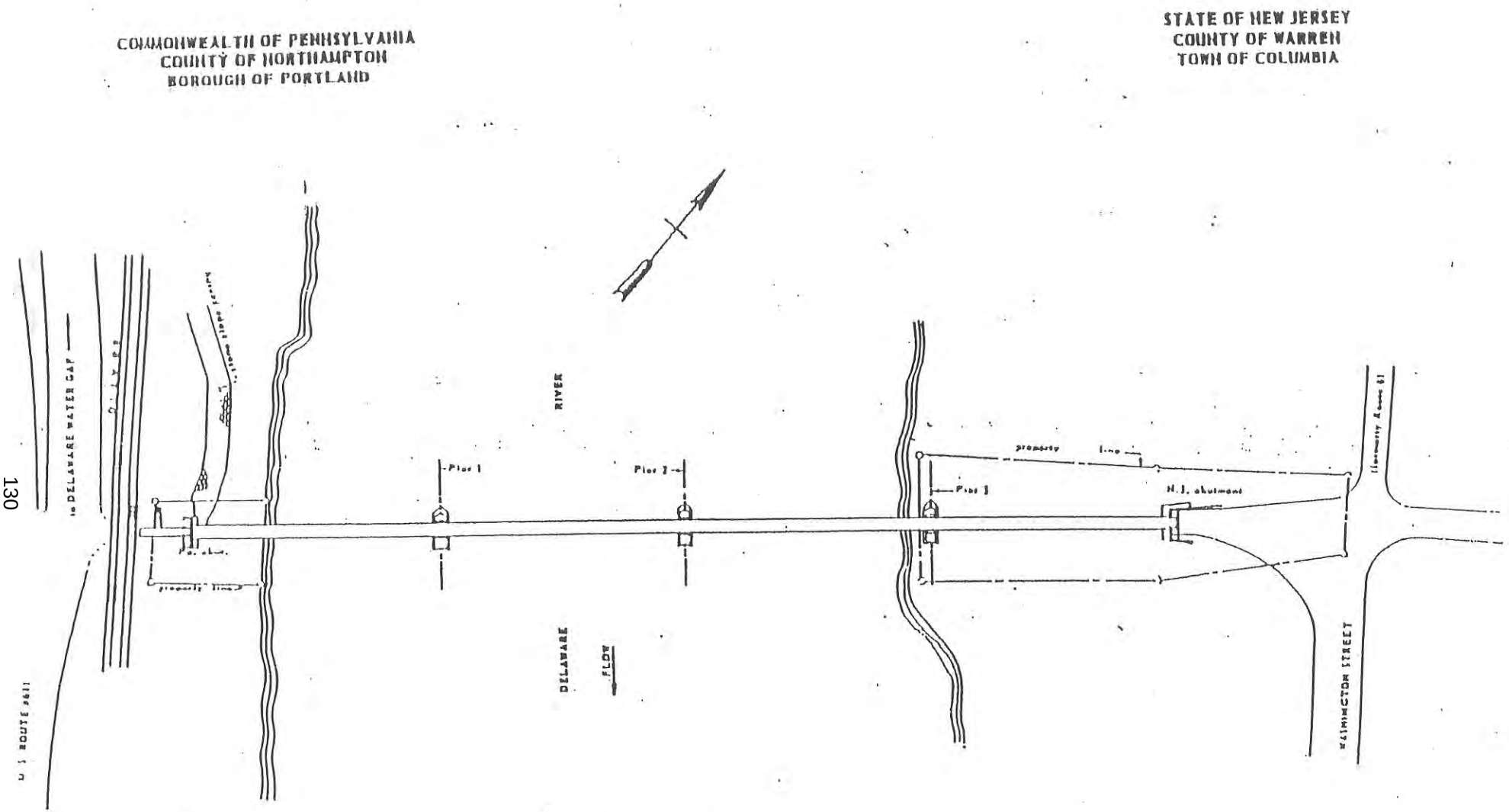
ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	The bridge was rehabilitated in 2007			
505	**R-B Water Street Improvements**	*$1,319,000*	$1,012,000	$274,000
	BRIDGES SUB TOTAL	***$1,319,000***	**$1,012,000**	**$274,000**
	Facilities and Grounds			
RBTSB	**Unplanned Projects**	*$0*	$25,000	$26,000
523	**R-B TSB Replace Storage Garage Roof Replacement**	*$0*	$120,000	$0
609	**Riverton - Belvidere TSB Officer's Shelter Improvements**	*$0*	$160,000	$0
	FACILITIES AND GROUNDS SUB TOTAL	***$0***	**$305,000**	**$26,000**
	TOTAL COST	***$1,319,000***	**$1,317,000**	**$300,000**

PORTLAND-COLUMBIA

TOLL-SUPPORTED BRIDGE

(Structure No. 360)



PORTLAND – COLUMBIA TOLL SUPPORTED BRIDGE

GENERAL

PORTLAND-COLUMBIA TOLL-SUPPORTED BRIDGE
(4 span, continuous, steel thru-deck girder)

The Portland-Columbia Toll-Supported Bridge (Structure No. 360) connects Portland Borough (Upper Mount Bethel Township), Pennsylvania with Columbia (Knowlton Township), New Jersey, just north of the Portland-Columbia Toll Bridge.

This Pedestrian Bridge is a four span continuous, thru-deck steel girder system, with a concrete deck and built up girders with a total length of 770 feet. The width of the walkway is 9 feet, 6 inches between girder centers. The present bridge was reconstructed in 1958, following the flood of 1955, and original vehicular traffic was diverted to the main river bridge.

This bridge was last cleaned and painted in 1998 under Contract 346. In 2003, the construction of a handicap accessible ramp at the west approach and bridge deck modifications was completed under Contract No. TS-388. In 2004, drainage and deck modifications were done under Contract No. TS-388A to alleviate ponding of water and corrosion due to improper drainage.

Contract No. T/TS-476A-2 Substructure Repair & Scour Remediation, Toll & Toll-Supported Bridges, Districts 1, 2 & 3 included under water repairs to all three (3) piers including tremie concrete and concrete bag remediation under the footings and aprons. This contract also included epoxy injection crack sealing of all 3 aprons, masonry repointing at pier 1 and partially grouted riprap around the apron at pier 3. This work was completed in 2010.

SIGNIFICANT FINDINGS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting pedestrian loading.

PORTLAND-COLUMBIA TOLL-SUPPORTED BRIDGE
(4 span, continuous, steel thru-deck girder)

The structure is in overall satisfactory condition due to the substructure.

The deck is in satisfactory condition. The top of deck exhibits light to moderate scaling throughout with fine to medium transverse cracks. Several incipient spalls and spalls with exposed rebar are present at the deck underside. The underside of deck also exhibits fine to medium transverse cracks with efflorescence and water stains.

The approach walkways and superstructure are in good condition.

The substructure is in satisfactory condition. The north retaining wall is fractured adjacent to the west abutment breastwall and is displaced 2 1/2” towards the east. The top of the northeast retaining wall is displaced 8” towards the west. The east abutment breastwall exhibits spalled and hollow sounding concrete along the base. The east abutment backwall exhibits spalled and

hollow sounding concrete patches with medium mapcracking at several locations. Fine to wide cracks are typical throughout the substructure units.

An underwater inspection was performed in 2008 under Contract No. C-476A. The substructure units below the waterline were found to be in satisfactory condition with undermining of up to 2.5' vertically and 3.3' horizontally along the perimeter of the piers.

CONCLUSIONS

Based on the findings of the 2010 inspections, the bridge is capable of safely supporting pedestrian loading.

PORTLAND-COLUMBIA TOLL-SUPPORTED BRIDGE

The structure is in overall satisfactory condition with some minor deterioration of structural elements. Remove unsound concrete, clean exposed rebar and patch areas of incipient spalling throughout the underdeck (±230 SF). Patch the spalled/hollow concrete at the east abutment backwall (±30 SF). Areas of cracked and missing mortar should be repointed at substructure units (±100 LF). Cracks at substructure units should be repaired (±80 LF). Areas of cracked and missing stone masonry should be replaced (±2 SF). Spalled concrete should be repaired at substructure units (±100 SF). Debris should be removed at substructure units (±4 CY).

For a list of maintenance repair items, see the *2010 Annual Maintenance Report*.

2012-2013 CAPITAL PLAN ESTIMATED EXPENDITURES

Portland-Columbia Toll-Supported Pedestrian Bridge

ESTIMATED COST OF RECOMMENDED IMPROVEMENTS
FUNDED BY THE GENERAL RESERVE FUND

Contract No.	Bridge and Roadway Recommended Improvements	*Program Cost*	General Reserve Fund 2012	2013
	Bridges, Roadways, Sidewalks, and Approaches			
	No Projects are currently planned.			
	BRIDGES SUB TOTAL	***$0***	**$0**	**$0**
	Facilities and Grounds			
PCTSB	**Unplanned Projects**	*$153,000*	$10,000	$11,000
	FACILITIES AND GROUNDS SUB TOTAL	***$153,000***	**$10,000**	**$11,000**
	TOTAL COST	***$153,000***	**$10,000**	**$11,000**

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

2012 VEHICLES & EQUIPMENT
SUMMARY BY DISTRICT

DISTRICT		Est. Purchase $	Est. Sale $	Est. Net $
Trenton-Morrisville		$ 127,267	$ -	$ 127,267
New Hope-Lambertville		$ 53,500	$ 250	$ 53,250
Southern Div. Toll-Supported		$ -	$ -	$ -
	District 1 Total	$ 180,767	$ 250	$ 180,517
Interstate 78		$ 197,000	$ 15,000	$ 182,000
Easton-Phillipsburg		$ 87,000	$ 5,000	$ 82,000
Northern Div. Toll-Supported		$ -	$ -	$ -
	District 2 Total	$ 284,000	$ 20,000	$ 264,000
Portland-Columbia		$ 107,000	$ 4,000	$ 103,000
Delaware Water Gap		$ 265,000	$ 20,000	$ 245,000
Milford-Montague		$ 45,000	$ -	$ 45,000
	District 3 Total	$ 417,000	$ 24,000	$ 393,000
	TOTAL	**$ 881,767**	**$ 44,250**	**$ 837,517**

2012 VEHICLES & EQUIPMENT	$ 881,767

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

TRENTON - MORRISVILLE

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
Ventrac Vacuum Collection System RV600	T-M		New Item	$8,205		$8,205
2 yd Electric V Hopper Spreader	T-M		New Item	$6,062		$6,062
Salt Bin Curtain	T-M		New Item	$8,000		$8,000
2012 F-550 Dump Truck Chassis	T-M		2004 F-550 (totaled in '11)	$60,000		$60,000
		1 FDAF57PI4EB84405	Serial No.			
		SG 22643	License Plate No.			
		20,000	Mileage / Hrs			
			Hours			
		15042	Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total	**$127,267**		$127,267

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

NEW HOPE - LAMBERTVILLE

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
2011 Pressure Washer	NH-L		2006 Pressure Washer	$8,500	$250	$8,250
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total	**$53,500**	$250	$53,250

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

SOUTHERN DISTRICT TOLL SUPPORTED BRIDGES

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
NO NEW EQUIPMENT REQUESTED IN 2012						
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total			

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

INTERSTATE 78

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
2012 Ford Expedition Patrol Van	I-78		2007 GMC Yukon Utility Vehicle	$42,000	$5,000	$37,000
		1GKFK13037J376917	Serial No.			
		NJ SG27461	License Plate No.			
		65,137	Mileage / Hrs			
			Hours			
		I78 11023	Commission ID No.			
2012 Ford F-350 Pickup Truck	I-78		2004 F-250 Pickup Truck	$55,000	$5,000	$50,000
		1FTNF21P44EA07506	Serial No.			
		NJ-SG22160	License Plate No.			
		81,986	Mileage / Hrs			
			Hours			
		I78 15029	Commission ID No.			
2012 Ford F-350 Pickup Truck	I-78		2004 F-250 Pickup Truck	$55,000	$5,000	$50,000
		1FTNF21P24EA07505	Serial No.			
		NJ-SG22161	License Plate No.			
		80,036	Mileage / Hrs			
			Hours			
		I78 15030	Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total	**$197,000**	$15,000	$182,000

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

EASTON - PHILLIPSBURG

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
2012 Ford Expedition Patrol Van	E-P		2007 GMC Yukon Utility Vehicle	$42,000	$5,000	$37,000
		1GKFK13067J375552	Serial No.			
		NJ SG27460	License Plate No.			
		69,096	Mileage / Hrs			
			Hours			
		EP 11024	Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
Estimated Total				**$87,000**	$5,000	$82,000

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

NORTHERN DISTRICT TOLL SUPPORTED BRIDGES

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
NO NEW EQUIPMENT REQUESTED IN 2012						
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total			

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

PORTLAND - COLUMBIA

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
2012 Bobcat Track Loader	P-C		1999 JCB SKID STEER LOADER	$62,000	$4,000	$58,000
		SLP105SBXEO8O4109	Serial No.			
		N/A	License Plate No.			
			Mileage / Hrs			
		429	Hours			
		PC20025	Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total	**$107,000**	$4,000	$103,000

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

DELAWARE WATER GAP

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
2012 Ford F-250 Diesel 4X4 Pickup	DWG		2004 F-250 Diesel 4X4 Pickup TI	$55,000	$5,000	$50,000
		1FMCU9DG7BKC31171	Serial No.			
		NJ-SG22964	License Plate No.			
		58,598	Mileage / Hrs			
			Hours			
		DWG 12012	Commission ID No.			
2012 Ford F-250 Diesel 4X4 Pickup	DWG		2004 F-250 Diesel 4X4 Pickup TI	$55,000	$5,000	$50,000
		1FTNF21P44ED35038	Serial No.			
		NJ-SG22965	License Plate No.			
		51,681	Mileage / Hrs			
			Hours			
		DWG 12014	Commission ID No.			
2012 Ford F-350 Diesel 4X4 Pickup	DWG		2001 F-350 4X4 Diesel PICKUP T	$55,000	$5,000	$50,000
		1FTSF31F21EC66426	Serial No.			
		NJ-SG20431	License Plate No.			
		80,616	Mileage			
		4,400	Hours			
			Commission ID No.			
2012 Ford F-250 Ext. Cab 4X4 Diesel Pickup	DWG		2007 Ford F-250 SUPER DUTY 4	$55,000	$5,000	$50,000
		1FTSX21P77EA83418	Serial No.			
		NJ-SG26573	License Plate No.			
		89,286	Mileage / Hrs			
		2,228	Hours			
		DWG 12018	Commission ID No.			
			Estimated Total	**$265,000**	$20,000	$245,000

2012-2013 CAPITAL PLAN
VEHICLES & EQUIPMENT

MILFORD - MONTAGUE

CAPITAL EQUIPMENT REQUEST

(>$5,000 AND 3 YEAR OR MORE LIFE)

Recommended New Items	Dept	Identifier(s)	Items To Be Replaced, Sold, or Transferred*	Est. Purchase	Est. Sale	Est. Net
EZPass Transponders	EZPass		New Items	$45,000		$45,000
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Serial No.			
			License Plate No.			
			Mileage / Hrs			
			Hours			
			Commission ID No.			
			Estimated Total	**$45,000**		**$45,000**

2012-2013 CAPITAL PLAN

Delaware River Joint Toll Bridge Commission

SUMMARY OF EXPENDITURES

CAPITAL PROGRAM ESTIMATED EXPENDITURES

	2012	*2013*
Toll Bridge Facilities	$21,066,000	$52,987,000
Toll-Supported Bridge Facilities	$14,613,000	$18,588,000
Commission Initiatives & System-Wide Projects	$30,276,000	$20,351,000
Subtotal	***$65,955,000***	***$91,926,000***

VEHICLE / EQUIPMENT GROSS PURCHASES

	2012	*2013*
Vehicular and Maintenance Equipment	$881,767	$1,500,000
Subtotal	***$881,767***	***$1,500,000***

	2012	*2013*
TOTAL 2012 - 2013 CAPITAL PLAN	***$66,836,767***	***$93,426,000***

2012-2013 CAPITAL PLAN

Delaware River Joint Toll Bridge Commission

TOLL BRIDGES	***2012***	***2013***
Trenton-Morrisville	$5,339,000	$2,346,000
New Hope-Lambertville	$3,195,000	$4,581,000
Interstate 78	$6,246,000	$17,333,000
Easton-Phillipsburg	$1,851,000	$21,100,000
Portland-Columbia	$50,000	$1,166,000
Delaware Water Gap	$4,110,000	$2,068,000
Milford-Montague	$275,000	$4,393,000
Subtotal	***$21,066,000***	***$52,987,000***

TOLL-SUPPORTED BRIDGES	***2012***	***2013***
Lower Trenton	$25,000	$26,000
Calhoun Street	$15,000	$16,000
Scudder Falls	$10,757,000	$17,339,000
Washington Crossing	$15,000	$16,000
New Hope-Lambertville	$25,000	$26,000
Centre Bridge-Stockton	$25,000	$26,000
Lumberville-Raven Rock	$2,344,000	$744,000
Uhlerstown-Frenchtown	$25,000	$26,000
Upper Black Eddy-Milford	$15,000	$16,000
Riegelsville	$15,000	$16,000
Northampton Street	$25,000	$26,000
Riverton-Belvidere	$1,317,000	$300,000
Portland-Columbia	$10,000	$11,000
Subtotal	***$14,613,000***	***$18,588,000***

COMMISSION INITIATIVES & SYSTEM-WIDE PROJECTS	***2012***	***2013***
	$30,276,000	***$20,351,000***
TOTAL CAPITAL PLAN EST. EXPENDITURES	***$65,955,000***	***$91,926,000***

Delaware River Joint Toll Bridge Commission

BRIDGES, ROADWAYS, SIDEWALKS, & APPROACHES SUMMARY

DISTRICT I	***2012***	***2013***
Trenton-Morrisville Toll Bridge	$5,206,000	$78,000
Lower Trenton Toll-Supported Bridge	$0	$0
Calhoun Street Toll-Supported Bridge	$0	$0
Scudder Falls Toll-Supported Bridge	$10,682,000	$17,261,000
Washington Crossing Toll-Supported Bridge	$0	$0
New Hope-Lambertville Toll-Supported Bridge	$0	$0
New Hope Lambertville Toll Bridge	$2,350,000	$4,465,000
Centre Bridge-Stockton Toll-Supported Bridge	$0	$0
Lumberville-Raven Rock Toll-Supported Bridge	$2,334,000	$733,000
District I Total	***$20,572,000***	***$22,537,000***

DISTRICT II	***2012***	***2013***
Uhlerstown-Frenchtown Toll-Supported Bridge	$0	$0
Upper Black Eddy-Milford Toll-Supported Bridge	$0	$0
Riegelsville Toll-Supported Bridge	$0	$0
Interstate 78 Toll Bridge	$6,096,000	$16,427,000
Northampton Street Toll-Supported Bridge	$0	$0
Easton-Phillipsburg Toll Bridge	$1,776,000	$20,525,000
Riverton-Belvidere Toll-Supported Bridge	$1,012,000	$274,000
District II Total	***$8,884,000***	***$37,226,000***

Delaware River Joint Toll Bridge Commission

BRIDGES, ROADWAYS, SIDEWALKS, & APPROACHES SUMMARY

DISTRICT III	***2012***	***2013***
Portland-Columbia Toll Bridge	$0	$554,000
Portland-Columbia Toll-Supported	$0	$0
Delaware Water Gap Toll Bridge	$3,121,000	$0
Milford-Montague Toll Bridge	$225,000	$4,312,000
District III Total	***$3,346,000***	***$4,866,000***

	2012	***2013***
BRIDGES, ROADWAYS, SIDEWALKS & APPROACHES TOTAL	***$32,802,000***	***$64,629,000***

FACILITIES AND GROUNDS SUMMARY

DISTRICT I	***2012***	***2013***
Trenton-Morrisville Toll Bridge	$133,000	$2,268,000
Lower Trenton Toll-Supported Bridge	$25,000	$26,000
Calhoun Street Toll-Supported Bridge	$15,000	$16,000
Scudder Falls Toll-Supported Bridge	$75,000	$78,000
Washington Crossing Toll-Supported Bridge	$15,000	$16,000
New Hope-Lambertville Toll-Supported Bridge	$25,000	$26,000
New Hope Lambertville Toll Bridge	$845,000	$116,000
Centre Bridge-Stockton Toll-Supported Bridge	$25,000	$26,000
Lumberville-Raven Rock Toll-Supported Bridge	$10,000	$11,000
District I Total	***$1,168,000***	***$2,583,000***

Delaware River Joint Toll Bridge Commission

FACILITIES AND GROUNDS SUMMARY

DISTRICT II	***2012***	***2013***
Uhlerstown-Frenchtown Toll-Supported Bridge	$25,000	$26,000
Upper Black Eddy-Milford Toll-Supported Bridge	$15,000	$16,000
Riegelsville Toll-Supported Bridge	$15,000	$16,000
Interstate 78 Toll Bridge	$150,000	$906,000
Northampton Street Toll-Supported Bridge	$25,000	$26,000
Easton-Phillipsburg Toll Bridge	$75,000	$575,000
Riverton-Belvidere Toll-Supported Bridge	$305,000	$26,000
District II Total	***$610,000***	***$1,591,000***

FACILITIES AND GROUNDS SUMMARY

DISTRICT III	***2012***	***2013***
Portland-Columbia Toll Bridge	$50,000	$612,000
Portland-Columbia Toll-Supported Bridge	$10,000	$11,000
Delaware Water Gap Toll Bridge	$989,000	$2,068,000
Milford-Montague Toll Bridge	$50,000	$81,000
District III Total	***$1,099,000***	***$2,772,000***

	2012	***2013***
FACILITIES AND GROUNDS TOTAL	***$2,877,000***	***$6,946,000***

Delaware River Joint Toll Bridge Commission

EQUIPMENT PURCHASES

2012 VEHICLE & EQUIPMENT PURCHASES

Toll Facility	Estimated Purchase Price of New Units	Estimated Sell Price of Used Units	Estimated Net Cost
Trenton-Morrisville	$127,267	$0	$127,267
New Hope-Lambertville	$53,500	$250	$53,250
Interstate Route 78	$197,000	$15,000	$182,000
Easton-Phillipsburg	$87,000	$5,000	$82,000
Portland-Columbia	$107,000	$4,000	$103,000
Delaware Water Gap	$265,000	$20,000	$245,000
Milford-Montague	$45,000	$0	$45,000
Southern - Toll-Supported Bridges	$0	$0	$0
Northern - Toll-Supported Bridges	$0	$0	$0
	$881,767	$44,250	$837,517

TOTAL 2012 GROSS VEHICLE & EQUIPMENT PURCHASES **$881,767**

ESTIMATED 2013 GROSS VEHICLE & EQUIPMENT PURCHASES ***$1,500,000***

**The 2012 V & E purchases above are based upon the "actual" estimates listed in the "Vehicle & Equipment" section of the 2012 General Engineering Annual Inspection Report. The 2013 V & E purchases of $1.5M above are estimates of anticipated replacements/cost of new items for 2013 and are subject to change pending the 2012 General Engineering Inspection.*

SCHEDULE OF INSURANCE

I. CURRENT SCHEDULE OF INSURANCE (2011)

The Delaware River Joint Toll Bridge Commission currently has in effect the following principle types and amounts of insurance coverage:

A. General Liability

$	2,000,000	General Aggregate Limit
$	2,000,000	Products/Completed Operations Aggregate Limit
$	1,000,000	Personal/Advertising Injury Limit
$	1,000,000	Each Occurrence Limit
$	300,000	Damage to Premises
$	15,000	Medical Expense Limit, Any One Person

The above General Liability limits apply for all bridges (Toll and Toll-Supported Bridges).
The above General Liability limits apply per each location.
Coverage includes Independent Contractors, Medical Payments, Contractual Liability, Fire Damage, Legal Liability, Employees as Additional Insured, Host Liquor Liability, Incidental Medical Malpractice, Broad Form Property Damage Liability, Non-owned Watercraft Liability (under 26ft), Limited Worldwide Products Liability and Extended Bodily Injury Liability.

B. Commercial Automobile Liability

$	1,000,000	Bodily Injury/Property Damage Combined Single Limit, Each Accident
$	35,000	Uninsured/Underinsured Motorist Coverage (PA & NJ)
$	50,000	Garagekeepers Liability
$	5,000	Medical Payments
$	50,000	Hired Car Physical Damage Coverage
ACV or Cost of Repair		Comprehensive & Collision

Deductible on Comprehensive and Collision

$	500	Cost New Less than $29,999
$	1,000	Cost New $30,000-$49,999
$	2,000	Cost New Greater Than 50,000

C. Umbrella Liability

$	25,000,000	Each Occurrence, Annual Aggregate

There is an excess umbrella policy with a $25,000,000 limit. The total coverage of $50,000,000 is inclusive of all Bridges, Vehicles, and Operations.

D. Building & Contents Insurance

$	46,197,812	Blanket Limit
$	500,000	Extra Expense
$	200,000	Debris Removal, Additional Expense
$	200,000	Off Premise Utility Interruption
$	50,000	Fire Department Service Charge
$	5,000,000	Flood (excludes Flood Zones A or V)
$	5,000,000	Earthquake
	Policy Limit	Terrorism
$	5,000	All Perils Deductible except flood and earthquake
$	25,000	Flood and Earthquake Deductible

Coverage extensions include: Debris Removal, Pollutant Cleanup and Removal, Newly Acquired Buildings and Personal Property, Personal Property of Others/Employees, Valuable papers-Cost of Research, Property Off Premises within 1,000 feet, Outdoor Property - Trees, Shrubs and Plants, Property in Transit (Special Form Only) and Fences and Signs.

Boiler & Machinery Coverage Insured under separate policy

E. Equipment Floater Limits (Included in Building Policy)

$	2,820,644	Specific Limits Apply Per Schedule
$	240,622	Miscellaneous Unscheduled Tools
$	25,000	Leased/Rented Equipment – per occurrence
$	25,000	Rental Reimbursement – annual aggregate
$	1,000	Deductible (2% of value, $1,000 minimum)

F. Bridge Property Coverage

Loss Limits:

$	50,000,000	Loss Limit – Primary
$	50,000,000	Loss Limit – Excess of $50,000,000 per Occurrence
$	375,000,000	Loss Limit – Excess of $100,000,000 per Occurrence

All Perils Deductible except flood and earthquake - 1% of the value of the structure (bridge is separate structure from approach as scheduled) subject to a minimum of $50,000
Loss of Revenue – 5 day waiting period

Flood Coverage - $250,000,000 Annual Aggregate - Multiple Policies
Earthquake Coverage – $200,000,000 Annual Aggregate - Multiple Policies
Sublimits apply to Debris Removal, Contamination, & Pollution Clean-Up/Removal – Land/Water

G. Public Officials / Employment Practices Liability

$	10,000,000	Each Loss
$	10,000,000	Aggregate

Retention

$	50,000	Corporate Reimbursement
$	50,000	Entity Coverage
$	35,000	Employment Practices Liability Coverage

Excess policy provides additional $10,000,000 Per Claim/Annual Aggregate

H. Workers Compensation and Employers Liability Coverage

Workers Compensation – Statutory Limits

Employers Liability – Bodily Injury by Accident

$	500,000	Each Accident	
$	500,000	Policy Limit by Disease	Bodily Injury
$	500,000	Each Employee by Disease	Bodily Injury

I. Commercial Crime Coverage

$	10,000	Forgery or Alteration, $1,000 deductible
$	250,000	Money In-Out for Theft, Disappearance and Destruction, $10,000 deductible
$	250,000	Money Order and Counterfeit Currency & Credit, Debit, Charge Card Forgery, $1,000 Deductible
$	5,000,000	Employee Dishonesty, $50,000 Deductible
$	5,000,000	Computer Fraud Including Wire Transfer Fund

Coverage includes all locations.

J. Professional Architects and Engineers

$	1,000,000	per Occurrence/Aggregate

Retention

$	50,000	Each Claim

II. INSURANCE REQUIREMENTS FOR 2012

In accordance with Section 708 of the Bridge System Revenue Bonds, Series 2007, the following types of insurance are required to be maintained by the Commission to the extent as reasonably obtainable:

MULTI-RISK INSURANCE

The Commission currently maintains insurance for full replacement of all twenty (20) Toll and Toll-Supported Bridges and their approach structures (viaducts). In 1999 the Commission supplemented the full insurance coverage for the thirteen (13) Toll-Supported Bridges. The full replacement costs are reviewed annually and updated accordingly to follow current inflation and construction costs.

TranSystems has re-assessed each of the twenty (20) Toll and Toll-Supported Bridges and their associated approach structures (viaducts) with respect to the structures replacement costs. Most of the bridges, when and if replaced, will be replacement in kind. A simple cost per square foot (the overall bridge length multiplied by its overall width) was used in the development of the replacement costs for all of the Toll and Toll-Supported Bridges and their approach structures (viaducts). Square foot unit costs may vary between bridges due to specific characteristics such as the need for deep foundations, feature crossed and aesthetics. The Engineering News Record (ENR) Construction Cost Index (CCI) is utilized to update the replacement costs on a yearly basis due to inflation.

The 2012 Estimated Replacement Costs for the twenty Toll and Toll-Supported Bridges and their approach structures are listed below:

TOLL FACILITY		BRIDGE		APPROACH STRUCTURES
Trenton-Morrisville	$	46,200,000	$	22,000,000
New Hope-Lambertville	$	45,600,000	$	10,100,000
Interstate Route 78	$	53,400,000	$	36,100,000
Easton-Phillipsburg	$	10,800,000	$	11,600,000
Portland-Columbia	$	19,500,000	$	4,100,000
Delaware Water Gap	$	72,200,000	$	0
Milford-Montague	$	16,500,000	$	0
SUBTOTALS	*$*	*264,200,000*	*$*	*83,900,000*

SCHEDULE OF INSURANCE

TOLL-SUPPORTED FACILITY		BRIDGE		APPROACH STRUCTURES
Lower Trenton	$	19,000,000	$	0
Calhoun Street	$	11,300,000	$	0
Scudder Falls	$	47,100,000	$	6,000,000
Washington Crossing	$	5,900,000	$	0
New Hope-Lambertville	$	9,500,000	$	0
Centre Bridge-Stockton	$	7,700,000	$	700,000
Lumberville-Raven Rock *	$	2,700,000	$	0
Uhlerstown-Frenchtown	$	7,500,000	$	0
Upper Black Eddy-Milford	$	6,700,000	$	0
Riegelsville	$	4,300,000	$	0
Northampton Street	$	7,900,000	$	0
Riverton-Belvidere	$	5,200,000	$	0
Portland-Columbia *	$	3,600,000	$	0
SUBTOTALS	*$*	*138,400,000*	*$*	*6,700,000*

* Pedestrian Bridge

Total (All Bridges) Replacement Cost for 2012 = $ 493,200,000

USE AND OCCUPANCY INSURANCE

The Commission currently maintains Use and Occupancy Insurance for all of its seven (7) Toll Facilities. The Commission has provided the anticipated 2011 revenues presented below.

TOLL FACILITY		2012 ANTICIPATED REVENUE
Trenton-Morrisville	$	13,277,459
New Hope-Lambertville	$	3,063,025
Interstate Route 78	$	52,973,266
Easton-Phillipsburg	$	10,937,420
Portland-Columbia	$	2,431,184
Delaware Water Gap	$	31,279,220
Milford-Montague	$	1,646,487
(Total Toll Revenue)	**$**	**115,608,000**
Interest on Investments	$	990,000
EZ Pass Account Service Fee	$	756,000
Other Income	$	401,000
(TOTAL PROJECTED REVENUE - 2012)	**$**	**117,761,087**

WAR-RISK INSURANCE

The Commission does not maintain this type of insurance for any of its bridges, as it is not reasonably obtainable due to its excessive cost. However the Commission does maintain coverage for terrorism.

PUBLIC LIABILITY – PROPERTY DAMAGE – BODILY INJURY

Public Liability and Property Damage are maintained by the Commission under its General Liability and Auto Liability insurance coverage, which provides a maximum coverage of $1,000,000. In addition the Commission carries $50,000,000 maximum coverage in Excess Liability Insurance on all Bridges, Vehicles and Operations and $5,000,000 per accident in Business Travel Accident Insurance.

BLANKET REAL AND PERSONAL PROPERTY INSURANCE- ADMINISTRATIVE & MAINTENANCE BUILDINGS, CONTENTS, TOLL BOOTHS, ETC.

The Commission currently maintains Building and Contents Insurance in the amount of $46,197,812. Estimated replacement costs for all Toll Facility Administration Buildings, Maintenance Buildings and Garages and Toll Plazas were calculated based upon the overall square-foot area of each facility and includes personal property, electronic surveillance system and EZPass equipment at each facility. The Engineering News Record (ENR) Construction Cost Index (CCI) is utilized to update the replacement costs on a yearly basis due to inflation. The estimated replacement costs for 2012 are as follows:

LOCATION	2012 ESTIMATED REPLACEMENT VALUE	
Trenton-Morrisville	$	10,710,000
New Hope-Lambertville	$	6,287,000
Interstate 78	$	6,972,000
Easton-Phillipsburg	$	5,692,000
Portland-Columbia	$	3,352,000
Delaware Water Gap	$	5,251,000
Milford-Montague	$	3,130,000
Belvidere (Storage Bldg.)	$	268,000
New Hope Toll Supported (Garage)	$	188,000
15 Toll Supported Bridge Officer Shelters	$	266,000
Lumberville-Raven Rock (Bridge Tender house)	$	278,000
TOTAL	**$**	**42,394,000**

OTHER INSURANCE

Following good business practice and conforming to the laws of the State of New Jersey and the Commonwealth of Pennsylvania, the Commission carries additional insurance to that which is required by the Bridge System Revenue Bond Resolution. Among this additional coverage is a $10 million Public Officials Liability insurance.

III. CONCLUSIONS AND RECOMMENDATIONS FOR 2012

In general the Commission's overall insurance coverage is adequately provided; however, the amounts of the following coverage's should be adjusted:

- The Use and Occupancy Insurance should be adjusted to reflect the estimated 2012 anticipated revenues in conformance with the Bridge System Revenue Bond Resolutions.

- The Blanket Building and Contents Insurance should be adjusted to reflect the 2012 estimated property replacement values published above.

PAINT CONDITION RATINGS

EXCELLENT - No problems noted.

GOOD - Some minor problems, but paint is sound and functioning as intended to protect the metal surfaces.

SATISFACTORY - Surface or freckled rust has formed or is forming. The paint system may be chalking, peeling or showing signs of paint distress, but there is no exposure of metal.

FAIR - Surface or freckled rust is prevalent. There may be exposed metal and/or beginning signs of active corrosion, but there is little to no section loss of steel members.

POOR - The overall paint system has failed which has consequently caused corrosion and significant section loss to steel members. Exposed metal and/or corrosion are typical throughout the bridge. A new paint system is required.

NOTE: Paint system ratings for a bridge will be an overall condition. Although localized areas may exhibit a better or worse condition, the rating encompasses the majority of the bridge paint system for the entire bridge.

BRIDGE CONDITION RATINGS

EXCELLENT - New bridge.

VERY GOOD - No problems noted.

GOOD - Some minor problems.

SATISFACTORY - Some minor deterioration of structural elements.

FAIR - Minor section loss, deterioration, spalling and/or scour of primary structural elements.

POOR - Advanced section loss, deterioration, spalling and/or scour of primary structural elements.

SERIOUS - Seriously deteriorated primary structural elements.

CRITICAL - Facility should be closed until repairs are performed.

IMMENENT FAILURE - Facility is closed. Study of repairs is feasible.

FAILED - Facility is closed and beyond repair.

NOTE: These condition ratings are used to describe the existing, in-place bridge as compared to its as-built condition or its posted weight restriction. These ratings provide an overall characterization of the general condition of the entire bridge. These ratings do not describe a localized or nominally occurring instance of deterioration or disrepair or reflect structural or geometric adequacy.

COST ESTIMATING

The costs associated with the repairs and rehabilitation for various elements at the bridge facilities are estimated based upon the following criteria as applicable or available:

1) **BID PRICES**: Quantities are developed during routine inspections for the appropriate repair (square foot, cubic yard, etc.). A unit cost is developed using standard bid items most resembling the repair. Inflation, if required, is used to increase unit costs for repair next year.

2) **COMMISSION PERSONNEL/HISTORY**: Maintenance staff are interviewed about the materials and length of time required for certain repairs. Maintenance staff are also asked about previous work relating to the proposed work and the costs relating to them. Depending on the year and extent of the previous work, the proposed costs are adjusted accordingly.

3) **EXPERIENCE**: Some of the proposed repairs/rehabilitation cannot be accurately quantified and no previous related work is available. Costs are then developed based upon experience of similar tasks. A length of time to complete the job is assumed and costs are approximated.

NOTE: Cost Estimates for major rehabilitation work include a 20% increase in cost to account for engineering services to prepare the contract documents and supervise construction.

APPENDIX A:

BRIDGE LISTING

Delaware River Joint Toll Bridge Commission

Preserving Our Past, Enhancing Our Future

Bridge Name	*Structure Type*	*No. Of Spans*	*Structure Length (FT - IN)*
Trenton-Morrisville Toll Bridge	Steel Multi-Girder	12	1324 - 6
Washington Street Overpass (Pa)	Steel Multi-Girder	1	52 - 9 c-c brg.
South Pennsylvania Avenue Overpass (Pa)	Steel Multi-Girder	1	63 - 7 c-c brg.
Ramp “IY” Overpass (NJ) {Bridge St.}	Steel Multi-Girder	3	132 - 9 c-c brg.
Union Street Overpass (NJ)	Steel Multi-Girder	1	74 - 6 c-c brg.
Ramp "C" over Route 29 (NJ)	Steel Multi-Girder	3	183 - 3
Ramp "N" Over Union Street (NJ)	P/S Concrete Girder	3	168 - 0 c-c brg.
Center Street Underpass (NJ)	Riveted Steel Plate Girder	1	91 - 3 c-c brg.
Broad Street Underpass (NJ)	Steel Multi-Girder	1	76 - 11 c-c brg.
Ramp ‘N’ Overpass (NJ)	Steel Multi-Girder	1	77 - 1 c-c brg.
Route 29 Overpass @ TMTB (NJ)	P/S Concrete Spread Box Beams	3	118 - 0
Ramp ‘Y’ Overpass (Long Ramp) (NJ)	Steel Multi-Girder	4	282 - 0 c-c brg.
Lower Trenton Toll-Supported Bridge	Subdivided Warren Truss	5	1021 - 7
Calhoun Street Toll-Supported Bridge	Iron Phoenix Truss	7	1273 - 3
Scudder Falls Toll-Supported Bridge	Riveted Steel 2 Girder/Floorbeam/Stringer	10	1740
Taylorsville Road Overpass (Pa)	Steel Multi-Stringer	3	134 - 0 c-c brg.
Pennsylvania Canal Overpass (Pa)	Steel Multi-Stringer	1	61 - 4
Washington Crossing Toll-Supported Bridge	Double Warren Truss	6	876 - 7
New Hope-Lambertville Toll-Supported Bridge	Pratt Truss	6	1045 - 6.5
New Hope Lambertville Toll Bridge	Steel 2 Girder/Floorbeam/Stringer	10	1682
Route 32 Overpass (Pa)	Concrete Rigid Frame	1	83 - 7
Route 29 Overpass @ NHLTB (NJ)	Steel Multi-Stringer	3	185 - 0 c-c brg.
Centre Bridge-Stockton Toll-Supported Bridge	Riveted Steel Warren Truss	6	824 - 10
Pennsylvania Canal Bridge	P/S Concrete Adjacent Box Beams	1	63 - 0
Lumberville-Raven Rock Pedestrian Bridge	Suspension	4	688 - 3
Uhlerstown-Frenchtown Toll-Supported Bridge	Riveted Steel Warren Truss	6	950 - 10
Upper Black Eddy-Milford Toll-Supported Bridge	Warren Truss	3	699 - 9.25
Riegelsville Toll-Supported Bridge	Suspension	3	576 - 9.875
Interstate 78 Toll Bridge WB	Steel Multi-Girder	7	1222
Interstate 78 Toll Bridge EB	Steel Multi-Girder	7	1222
Morgan Hill Road Bridge Overpass (Pa)	P/S Concrete Spread Box Beams	2	210 - 0 c-c brg.
Cedarville Road Overpass (Pa)	P/S Concrete I-Beams	4	Unknown
I-78 over Route 611 (Pa) WB	P/S Concrete Spread Box Beams	3	197 - 6 c-c brg.
I-78 over Route 611 (Pa) EB	P/S Concrete Spread Box Beams	3	199 - 9 c-c brg.
Carpentersville Road Overpass (NJ)	Steel Multi-Stringer	2	203 - 0 c-c brg.
Edge Road Overpass (NJ)	Steel Multi-Stringer	2	272 - 0 c-c brg.
I-78 WB over Route 519 (NJ)	Steel Multi-Stringer	2	237 - 10 c-c brg.
I-78 EB over Route 519 (NJ)	Steel Multi-Stringer	2	236 - 5 c-c brg.
I-78 WB over Ramp C (NJ)	Steel Multi-Stringer	1	112 - 6 c-c brg.
I-78 EB over Ramp C (NJ)	Steel Multi-Stringer	1	116 - 11 c-c brg.
Service Road Overpass (Pa)	P/S Concrete Adjacent Box Beams	1	43 - 0 c-c brg.
Northampton Street Toll-Supported Bridge	Cantilever Truss	3	550 - 0 pin to pin
Easton-Phillipsburg Toll Bridge	Petit Thru-Truss	1	539 - 8 pin to pin
Broad Street Viaduct (NJ)	Riveted Steel 3 Girder/Floorbeam/Stringer	5	431 - 4
Third Street Overpass (Pa)	Steel Multi-Stringer	1	83 - 0 c-c brg.
Pedestrian Tunnel (Pa)	Reinforced Concrete Box Culvert	1	Unknown
Bank Street Overpass (Pa)	Steel Multi-Stringer	3	120 - 0 c-c brg.
Route 611 Overpass (Pa)	P/S Concrete Adjacent Box Beams	1	34 - 0 fc-fc abut.
Riverton-Belvidere Toll-Supported Bridge	Riveted Steel Double Warren Truss	4	652 - 5
Portland-Columbia Toll Bridge	Riveted Steel Multi-Girder	10	1309
Route 46 Overpass (NJ)	Riveted Steel Multi-Girder	1	96 - 1
Locust Street Overpass (NJ)	Steel Multi-Stringer	4	170 - 0 c-c brg.
Portland-Columbia Pedestrian Bridge	Steel Thru-Deck Girder	4	770
Delaware Water Gap Toll Bridge EB	Riveted Steel Multi-Girder	17	2398 - 6 c.c brg. abut.
Delaware Water Gap Toll Bridge WB	Riveted Steel Multi-Girder	16	2462 - 10 c.c. brg. abut.
Milford-Montague Toll Bridge	Steel Deck Truss	4	1150