

BR 1-715, BR 1-715A, AND BR 1-715D AT I-95/SR273 INTERCHANGE, NEAR CHRISTIANA

PROJECT SCOPE/DESCRIPTION: The existing project bridges to be rehabilitated include Bridge 1 715 on SR 273 over I-95, Bridge 1- 715A on I-95 Southbound Ramp F over I-95 and Bridge 1 715D on I-95 Southbound Ramp F over SR 273. All three bridges are multi-span steel beam and concrete deck structures supported by concrete rigid frame piers. As a result of an in-depth inspection, all three bridges will be rehabilitated to extend their useful service life. The extent of rehabilitation includes placing a new concrete overlay, cleaning and painting the steel superstructures, repairing/restoring concrete structural elements, re-building the concrete end posts, replacing concrete approach slabs and other miscellaneous structural steel repairs. Repairs to the bridge roadways will be completed under staged construction.

A portion of this project also includes the replacement of pavement along Ramp A (I-95 Northbound to SR 273 Westbound), Ramp C (SR 273 Westbound to I-95 Southbound), Ramp E (I-95 Southbound to SR 273 Westbound) and Ramp F (I-95 Southbound to SR 273 Eastbound). The new pavement section will consist of hot mix superpave. Replacement of the pavement on Ramps E and F will be completed using staged construction. Replacement of the pavement on Ramps A and C will be completed under ramp closure (one at a time) utilizing a detour up to SR 7.

A third component of the project has been added that will extend the pavement replacement limits of Ramp E along SR 273 Westbound up to the intersection with Harmony Road, or approximately 1300'.

PROJECT JUSTIFICATION: Bridges 1-715, 1-715A, and 1-715D are located in the Christiana portion of the Delaware Turnpike area, which is a critical asset for the state. These projects are grouped together because of their close proximity with each other. The bridges are in need of repair to maintain their serviceability and are currently ranked 157th, 90th, and 148th, respectively, out of 1,399 on the department's bridge deficiency list (via the bridge management program).



County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	18, 26
Senatorial District:	9, 11



BR 1-715, BR 1-715A, AND BR 1-715D AT I-95/SR273 INTERCHANGE, NEAR CHRISTIANA (CONTINUED)

Bridge 1-715



Bridge 1-715A



Bridge 1-715D



BR 1-715, BR 1-715A, AND BR 1-715D AT I-95/SR273 INTERCHANGE, NEAR CHRISTIANA (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-715, BR 1-715A, and BR 1-715D at I-95/SR273 Interchange, Near Christiana								
		\$ 4,820.0						
Prior Years	State			\$ 68.0	\$ 68.0	\$ 16.4	\$ 51.6	\$ 0.0
	Federal			\$ 272.0	\$ 272.0	\$ 147.2	\$ 124.8	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 8,920.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 1,716.0				\$ 1,716.0
	Federal			\$ 6,864.0				\$ 6,864.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 1,716.0
	Federal			\$ 0.0				\$ 6,864.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 1,716.0
	Federal			\$ 0.0				\$ 6,864.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 1,716.0
	Federal			\$ 0.0				\$ 6,864.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,784.0	\$ 68.0			\$ 1,716.0
	Federal			\$ 7,136.0	\$ 272.0			\$ 6,864.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 4,820.0	\$ 8,920.0	\$ 8,920.0	\$ 340.0	\$ 163.0	\$ 176.4	\$ 8,580.0

BR 1-715, BR 1-715A, AND BR 1-715D AT I-95/SR273 INTERCHANGE, NEAR CHRISTIANA (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-074-09	BR 1-715, BR 1-715A, and BR 1-715D at I-95/SR273 Interchange, Near Christiana									
	Bridge Improvements	PE	80% FHWA	\$ 340.0	\$ 340.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Roadway Improvements	C	80% FHWA	4,480.0	0.0	0.0	4,480.0	0.0	0.0	0.0
		C	80% FHWA	4,100.0	0.0	0.0	4,100.0	0.0	0.0	0.0
	Total All Funds			\$ 8,920.0	\$ 340.0	\$ 0.0	\$ 8,580.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-746 ON I-95 OVER LITTLE MILL CREEK, NEAR WILMINGTON

PROJECT SCOPE/DESCRIPTION: In order to maintain the interstate system and prolong premature replacement of its bridges, work will be performed as follows: replace the expansion bearings; replace portions of the approach slabs and backwalls on the abutments; replace the joint seals to prevent moisture intrusion; rehabilitate the substructure units by crack sealing and waterproofing the surface; replace missing anchor bolts, place riprap along stream to prevent erosion; repair structural steel; clean and paint the structural steel; and replace the trough system beneath the finger joints.

PROJECT JUSTIFICATION: Bridge 1-746 is located near Wilmington on the interstate system, which is a critical asset for the state. The bridge is in need of repair to maintain its structural integrity and is currently ranked 163rd out of 1,399 on the department’s bridge deficiency list (via the bridge management program).



County: New Castle
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 13, 16
Senatorial District: 3, 13



Bridge 1-746



BR 1-746 ON I-95 OVER LITTLE MILL CREEK, NEAR WILMINGTON (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-746 on I-95 Over Little Mill Creek, Near Wilmington		\$ 2,697.0						
Prior Years	State			\$ 85.4	\$ 85.4	\$ 3.2	\$ 82.2	\$ 0.0
	Federal			\$ 341.6	\$ 171.0	\$ 28.8	\$ 142.2	\$ 170.6
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 2,697.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 170.6
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 170.6
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 454.0				\$ 454.0
	Federal			\$ 1,816.0				\$ 1,986.6
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 454.0
	Federal			\$ 0.0				\$ 1,986.6
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 454.0
	Federal			\$ 0.0				\$ 1,986.6
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 539.4	\$ 85.4			\$ 454.0
	Federal			\$ 2,157.6	\$ 171.0			\$ 1,986.6
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 2,697.0	\$ 2,697.0	\$ 2,697.0	\$ 256.4	\$ 32.0	\$ 224.4	\$ 2,440.6

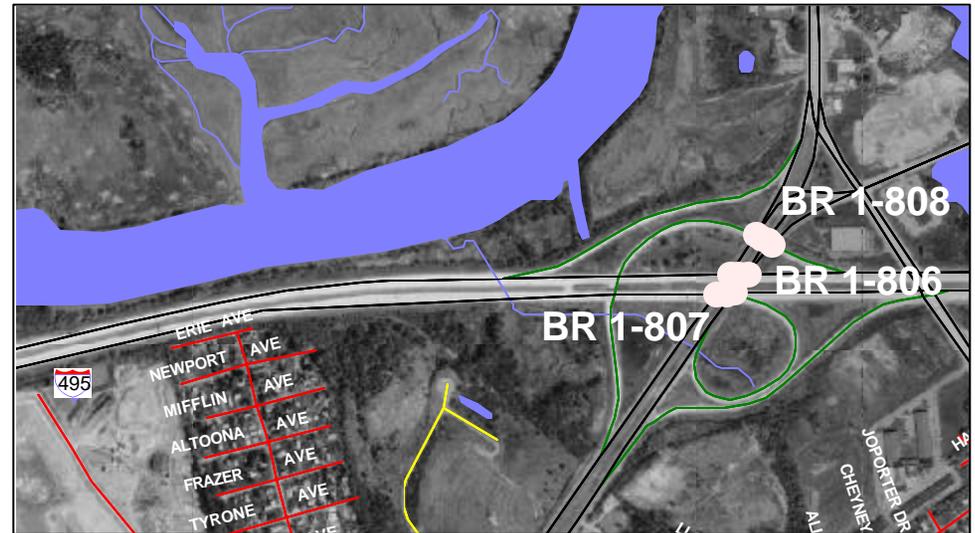
BR 1-746 ON I-95 OVER LITTLE MILL CREEK, NEAR WILMINGTON (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-074-10	BR 1-746 on I-95 Over Little Mill Creek, Near Wilmington	PE	80% FHWA	\$ 427.0	\$ 427.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	2,270.0	0.0	0.0	0.0	2,270.0	0.0	0.0
	Total All Funds			\$ 2,697.0	\$ 427.0	\$ 0.0	\$ 0.0	\$ 2,270.0	\$ 0.0	\$ 0.0

BR 1-806, BR 1-807, AND BR 1-808 ON I-495 OVER US 13

PROJECT SCOPE/DESCRIPTION: In order to maintain the interstate system and prevent premature replacement of its bridges, work will be performed as follows: replace the expansion bearings; replace portions of the approach slabs and backwalls on the abutments; replace the joint seals to prevent moisture intrusion; rehabilitate the substructure units by crack sealing and waterproofing the surface; repair the structural steel; clean and paint the structural steel; and upgrade the guardrail to current standards.

PROJECT JUSTIFICATION: Bridges 1-806, 1-807, and 1-808 are located south of Wilmington on the Delaware interstate system, which is a critical asset for the state. These projects are grouped together because of their close proximity with each other. The bridges are in need of repair to maintain their serviceability and are currently ranked 185th, 234th, and 174th, respectively, out of 1,399 on the department’s bridge deficiency list (via the bridge management program).



County: New Castle
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 16
Senatorial District: 13



Bridge 1-806



BR 1- 806, BR 1-807, AND BR 1-808 ON I-495 OVER US 13 (CONTINUED)

Bridge 1-807



Bridge 1-808



BR 1- 806, BR 1-807, AND BR 1-808 ON I-495 OVER US 13 (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-806, BR 1-807, and BR 1-808 on I-495 Over US 13		\$ 3,507.0						
Prior Years	State			\$ 61.4	\$ 61.4	\$ 7.3	\$ 54.1	\$ 0.0
	Federal			\$ 245.6	\$ 245.6	\$ 65.9	\$ 179.7	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 3,507.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 640.0				\$ 640.0
	Federal			\$ 2,560.0				\$ 2,560.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 640.0
	Federal			\$ 0.0				\$ 2,560.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 640.0
	Federal			\$ 0.0				\$ 2,560.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 701.4	\$ 61.4			\$ 640.0
	Federal			\$ 2,805.6	\$ 245.6			\$ 2,560.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 3,507.0	\$ 3,507.0	\$ 3,507.0	\$ 307.0	\$ 73.3	\$ 233.7	\$ 3,200.0

BR 1- 806, BR 1-807, AND BR 1-808 ON I-495 OVER US 13 (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-071-05	BR 1-806, BR 1-807, and BR 1-808 on I-495 Over US 13	PE	80% FHWA	\$ 307.0	\$ 307.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		C	80% FHWA	3,200.0	0.0	0.0	0.0	3,200.0	0.0	0.0
	Total All Funds			\$ 3,507.0	\$ 307.0	\$ 0.0	\$ 0.0	\$ 3,200.0	\$ 0.0	\$ 0.0

BR 1-813 ON I-495 OVER CHRISTINA RIVER

PROJECT SCOPE/DESCRIPTION: This project will remove the existing vinyl top coat paint and replace with a new top coat, as well as reset the bearings (on one pier) and provide seismic retrofit.

PROJECT JUSTIFICATION: The 1970's vintage paint includes an inorganic zinc system with a vinyl overcoat. The undercoat does not need to be replaced, but the vinyl overcoat does need to be replaced to preserve the integrity of the bridge. This bridge currently ranks 207th out of 1,399 on the department's bridge deficiency list (via the bridge management program).

County:	New Castle
Municipality:	Wilmington
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	16
Senatorial District:	2



Bridge 1-813



BR 1-813 ON I-495 OVER CHRISTINA RIVER (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-813 on I-495 Over Christina River		\$ 6,436.7						
Prior Years	State			\$ 436.7	\$ 436.7	\$ 421.6	\$ 15.1	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 12,205.0	\$ 783.8	\$ 783.8	\$ 0.0	\$ 783.8	\$ 0.0
	Federal			\$ 10,984.5	\$ 0.0	\$ 0.0	\$ 0.0	\$ 10,984.5
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 10,984.5
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 10,984.5
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 10,984.5
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 10,984.5
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,220.5	\$ 1,220.5			\$ 0.0
	Federal			\$ 10,984.5	\$ 0.0			\$ 10,984.5
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 6,436.7	\$ 12,205.0	\$ 12,205.0	\$ 1,220.5	\$ 421.6	\$ 798.9	\$ 10,984.5

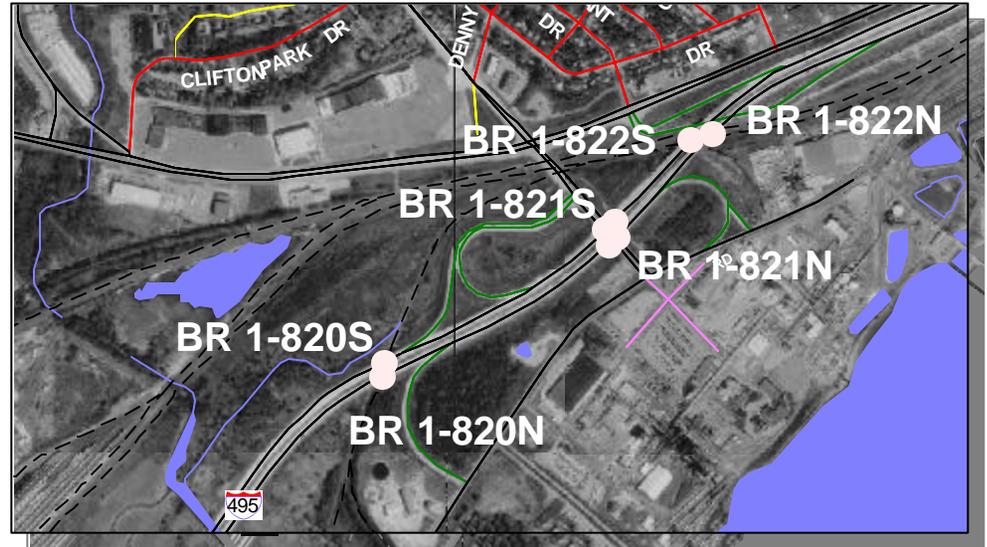
BR 1-813 ON I-495 OVER CHRISTINA RIVER (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
94-074-11	BR 1-813 on I-495 Over Christina River	PE	100% ST	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		C	90% FHWA	12,205.0	0.0	12,205.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 12,205.0	\$ 0.0	\$ 12,205.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-820N AND BR 1-820S ON I-495 OVER NORFOLK SOUTHERN, BR 1-821N AND BR 1-821S, AND BR 1-822N AND BR 1-822S ON I-495 OVER AMTRAK / NORFOLK SOUTHERN, EDGEMOOR

PROJECT SCOPE/DESCRIPTION: In order to maintain the interstate system and prevent premature replacement of its bridges, work will be performed as follows: replace the expansion bearings; replace portions of the approach slabs and backwalls on the abutments; replace end diaphragms; replace the elastomeric joints; rehabilitate the substructure units by crack sealing and waterproofing the surface; repair structural steel; clean and paint the structural steel; and upgrade the guardrail to current standards.

PROJECT JUSTIFICATION: Bridges 1-820N, 1-820S, 1-821N, 1-821S, 1-822N, and 1-822S are located in the Edgemoor area on the Delaware interstate system, which is a critical asset for the state. These projects are grouped together because of their close proximity with each other. The bridges are in need of repair to maintain their serviceability and are currently ranked 117th, 237th, 26th, and 64th, respectively, out of 1,399 on the department’s bridge deficiency list (via the bridge management program).

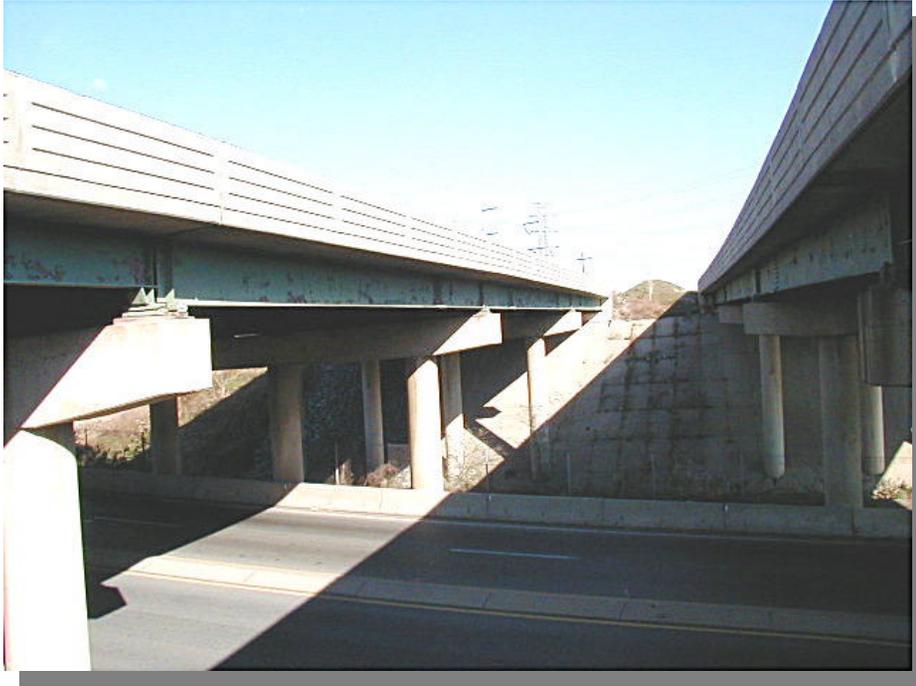


County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	6
Senatorial District:	2



BR 1-820N AND BR 1-820S ON I-495 OVER NORFOLK SOUTHERN, BR 1-821N AND BR 1-821S, AND BR 1-822N AND BR 1-822S ON I-495 OVER AMTRAK / NORFOLK SOUTHERN, EDGEMOOR (CONTINUED)

Bridge 1-821N



Bridge 1-821S



BR 1-820N AND BR 1-820S ON I-495 OVER NORFOLK SOUTHERN, BR 1-821N AND BR 1-821S, AND BR 1-822N AND BR 1-822S ON I-495 OVER AMTRAK / NORFOLK SOUTHERN, EDGEMOOR (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-820N & BR 1-820S on I-495 Over Norfolk Southern, BR 1-821N and BR 1-821S, and BR 1-822N and BR 1-822S on I-495 Over Amtrak / Norfolk Southern, Edgemoor		\$ 7,105.0						
Prior Years	State			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 7,105.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 1,421.0				\$ 1,421.0
	Federal			\$ 5,684.0				\$ 5,684.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 1,421.0
	Federal			\$ 0.0				\$ 5,684.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,421.0	\$ 0.0			\$ 1,421.0
	Federal			\$ 5,684.0	\$ 0.0			\$ 5,684.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 7,105.0	\$ 7,105.0	\$ 7,105.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 7,105.0

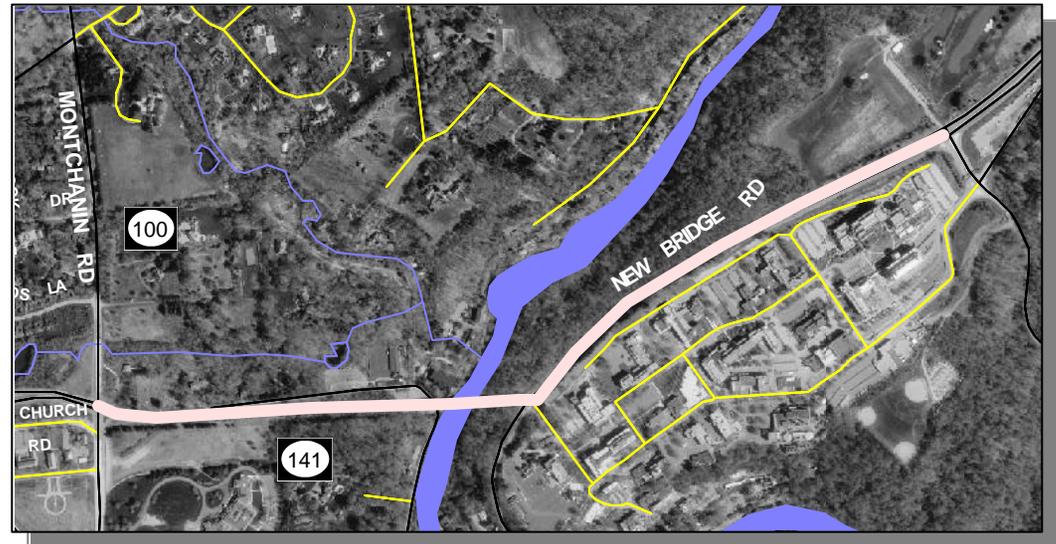
BR 1-820N AND BR 1-820S ON I-495 OVER NORFOLK SOUTHERN, BR 1-821N AND BR 1-821S, AND BR 1-822N AND BR 1-822S ON I-495 OVER AMTRAK / NORFOLK SOUTHERN, EDGEMOOR (CONTINUED)

PROJECT TIMELINE INFORMATION

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-074-11	BR 1-820N & BR 1-820S on I-495 Over Norfolk Southern, BR 1-821N & BR 1-821S, & BR 1-822N & S on I-495 Over Amtrak / Norfolk Southern, Edgemoor	PE	100% ST	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	7,105.0	0.0	0.0	0.0	0.0	7,105.0	0.0
	Total All Funds			\$ 7,105.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 7,105.0	\$ 0.0

TYLER MC CONNELL BRIDGE, SR141, MONTCHANNIN ROAD TO ALOPOCAS ROAD

PROJECT SCOPE/DESCRIPTION: This segment of SR141 includes the Tyler McConnell Bridge, a two-lane structure crossing the Brandywine River near the DuPont Experimental Station and the Hagley Museum. As part of our public outreach effort, a Working Group was established to assist the department in the development of a multi-modal solution to this problem, while minimizing the impacts of any proposed solution to the many environmental and historic resources of this area. Public workshops were held to present information on various alternatives. A final recommendation from the Working Group on the preferred transportation solution was submitted to the Delaware Secretary of Transportation. The historical and environmental processes have not been finalized and recommendations will be developed from that process as well. The Secretary will then consult with the Governor and Legislature to accept and/or modify the recommendations.



The Working Group recommendation included a package of short-term and mid/long-term solutions. Short-term improvements consist of: enhanced transit service; transit supportive infrastructure; Travel Demand Management (TDM) Measures/Traffic Mitigation Agreements; DelTrac; SR100/SR141 intersection improvements to provide a second westbound lane on SR141 and longer left-turn lanes on SR141; a dedicated left-turn lane onto Old Barley Mill Road; and operational improvements at the SR141/SR100 and SR141/Rising Sun Lane intersections. Pedestrian and bicycle paths and landscaping will be provided. This project is designated as Barley Mill Road and Montchannin Road Intersection Improvements (page 3-20). DuPont Road project involves making a sharp curve a little bit less sharp and other minor improvements to address safety.

Mid/long-term improvements consist of a new two-lane bridge immediately south of the existing bridge. The new two-lane bridge should be similar in type and at the same elevation as the existing bridge. If the Working Group's recommendation is adopted, the bridge will be built when an oversight committee, appointed by the department Secretary, determines that the data from an annual monitoring program supports the need for the new bridge.

A complete assessment of the impacts of these various alternatives and packages of improvements will be finalized in a Supplemental Environmental Assessment.

Transit improvements (both operations and capital bus purchases) along the SR141 corridor from the DuPont Chestnut Run, DuPont Experimental Station sites and AstraZeneca will be studied and funded from this project. These improvements will be federally (Federal Transit Administration) participating.

PROJECT JUSTIFICATION: This segment of SR141 is a critical link in supporting the major business centers along SR141 from I-95 to US202, including DuPont and AstraZeneca. Currently only two lanes, the Tyler McConnell Bridge has limited capacity to support projected traffic volumes and will continue to act as a pinch point in this segment of the corridor.

TYLER MC CONNELL BRIDGE, SR141, MONTCHANNIN ROAD TO ALOPOCAS ROAD (CONTINUED)

DuPont Road, Brandon Lane to New Castle County Police Substation

PROJECT SCOPE/DESCRIPTION: Recommended improvements for this project include: Increasing the radius of the curve accommodating a 25 mile per hour design speed and adequate super-elevation; posting the speed of the curve at 20 mile per hour, to insure safety under all conditions; installing raised pavement markers on the centerline of the road; replacing guardrail where necessary to meet roadside grading criteria; providing adequate pavement width for turning movements; improving roadway profile for sight distance, super-elevation and design speed; improving drainage from the curve to the existing outfall near the New Castle County (NCC) Police Substation; extending the sidewalk on the southeast side from Westover Hills to the NCC Police Substation and installing new street lighting around the curve.

PROJECT JUSTIFICATION: Traffic counts continue to increase because of its location and use as a cut through between Kennett Pike and Lancaster Pike. Accidents occur during wet or icy conditions because of the substandard conditions.

County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Expansion
Representative District:	4



TYLER MC CONNELL BRIDGE, SR141, MONTCHANNIN ROAD TO ALOPOCAS ROAD (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
Tyler Mc Connell Bridge, SR141, Montchannin Road to Alopocas Road		\$ 49,655.4						
Prior Years	State			\$ 5,375.0	\$ 5,375.0	\$ 3,780.5	\$ 1,594.5	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 53,575.0	\$ 1,200.0	\$ 1,200.0	\$ 0.0	\$ 1,200.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 2,400.0				\$ 2,400.0
	Federal			\$ 1,600.0				\$ 1,600.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 400.0				\$ 2,800.0
	Federal			\$ 1,600.0				\$ 3,200.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 8,200.0				\$ 11,000.0
	Federal			\$ 32,800.0				\$ 36,000.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 11,000.0
	Federal			\$ 0.0				\$ 36,000.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 17,575.0	\$ 6,575.0			\$ 11,000.0
	Federal			\$ 36,000.0	\$ 0.0			\$ 36,000.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 49,655.4	\$ 53,575.0	\$ 53,575.0	\$ 6,575.0	\$ 3,780.5	\$ 2,794.5	\$ 47,000.0

TYLER MC CONNELL BRIDGE, SR141, MONTCHANNIN ROAD TO ALOPOCAS ROAD (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	Tyler Mc Connell Bridge, SR141, Montchannin Road to Alopocas Road									
93-106-01	Tyler McConnell Bridge	PLAN	100% ST	\$ 3,375.0	\$ 3,375.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		PE/RW	100% ST	4,343.4	1,000.0	1,343.4	2,000.0	0.0	0.0	0.0
		C	80% FHWA	40,000.0	0.0	0.0	0.0	0.0	40,000.0	0.0
	DuPont Road Improvements	PE	100% ST	125.0	0.0	125.0	0.0	0.0	0.0	0.0
		RW	100% ST	126.6	0.0	126.6	0.0	0.0	0.0	0.0
		C	100% ST	605.0	0.0	605.0	0.0	0.0	0.0	0.0
	Transit Improvements, SR141 Corridor	PRO	80% FTA	5,000.0	0.0	0.0	2,000.0	2,000.0	1,000.0	0.0
	Total All Funds			\$ 53,575.0	\$ 4,375.0	\$ 2,200.0	\$ 4,000.0	\$ 2,000.0	\$ 41,000.0	\$ 0.0