

ROAD SYSTEM

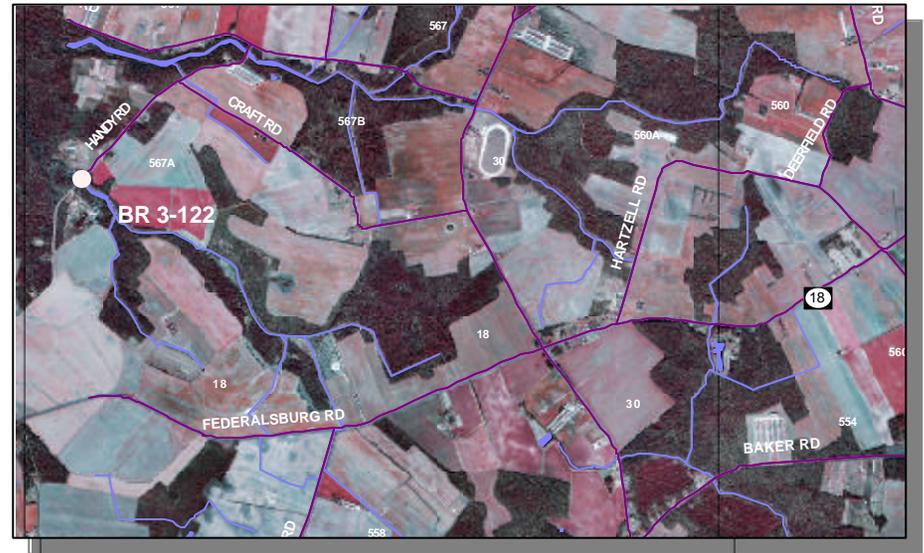
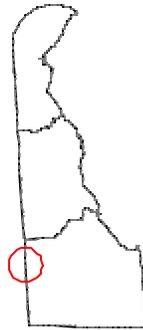
BRIDGES

BR 3-122 ON HANDY ROAD OVER HOUSTON BRANCH

PROJECT SCOPE/DESCRIPTION: This project will consist of replacing the existing pipes with a precast concrete rigid frame. Other work will include placing riprap for scour protection, reconstructing the approach roadways, and placing steel beam guardrail.

PROJECT JUSTIFICATION: The existing structure consists of three corrugated steel pipe culverts in very poor condition due mainly to the severe corrosion that is taking place throughout the pipe culvert. The bottoms of the pipes have deteriorated completely in several locations. The bridge currently ranks 27th on the bridge deficiency list (via the bridge management program).

County:	Sussex
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	35
Senatorial District:	19



BR 3-122 ON HANDY ROAD OVER HOUSTON BRANCH (CONTINUED)

Bridge 3-122 on Handy Road over Houston Branch



Inside Bridge 3-122



BR 3-122 ON HANDY ROAD OVER HOUSTON BRANCH (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 3-122 on Handy Road Over Houston Branch		\$ 575.8						
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		\$ 575.8	\$ 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			\$ 73.0				\$ 73.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 3.3				\$ 76.3
	Federal			\$ 13.2				\$ 13.2
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 97.3				\$ 173.6
	Federal			\$ 389.0				\$ 402.2
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 173.6
	Federal			\$ 0.0				\$ 402.2
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 173.6	\$ 0.0			\$ 173.6
	Federal			\$ 402.2	\$ 0.0			\$ 402.2
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 575.8	\$ 575.8	\$ 575.8	\$ 0.0	\$ 0.0	\$ 0.0	\$ 575.8

BR 3-122 ON HANDY ROAD OVER HOUSTON BRANCH (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	BR 3 -122 on Handy Road Over Houston Branch	PE	100% ST	\$ 73.0	\$ 0.0	\$ 0.0	\$ 73.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	80% FHWA	16.5	0.0	0.0	0.0	16.5	0.0	0.0
		C	80% FHWA	486.3	0.0	0.0	0.0	0.0	486.3	0.0
	Total All Funds			\$ 575.8	\$ 0.0	\$ 0.0	\$ 73.0	\$ 16.5	\$ 486.3	\$ 0.0

BR 3-141 ON S583 OVER POLK BRANCH, NORTH OF BRIDGEVILLE

PROJECT SCOPE/DESCRIPTION: This project will consist of replacing the existing structure with a precast concrete rigid frame. Other work will include placing riprap for scour protection, reconstructing the approach roadways, and placing steel beam guardrail.

PROJECT JUSTIFICATION: The existing structure is a two-cell concrete rigid frame in very poor condition. Heavy spalling and cracking is evidenced in the walls and the pier, with full section loss occurring at several locations. There is also evidence of settlement. This bridge was added to the program at the request of the Bridge Management Section after a recent inspection indicated that the structure was in poor condition and in need of replacement.



County:	Sussex
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	35
Senatorial District:	19



BR 3-141 ON S583 OVER POLK BRANCH, NORTH OF BRIDGEVILLE (CONTINUED)

Bridge 3-141 on S583 Over Polk Branch



Inside Bridge 3-141



BR 3-141 ON S583 OVER POLK BRANCH, NORTH OF BRIDGEVILLE (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended	Committed	Authorization Available
						as of 06/30/03	Unexpended as of 06/30/03	
BR 3-141 on S583 Over Polk Branch, North of Bridgeville		\$ 670.0						
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		\$ 670.0	\$ 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			\$ 90.0				\$ 90.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 116.0				\$ 206.0
	Federal			\$ 464.0				\$ 464.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 206.0
	Federal			\$ 0.0				\$ 464.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 206.0
	Federal			\$ 0.0				\$ 464.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 206.0	\$ 0.0			\$ 206.0
	Federal			\$ 464.0	\$ 0.0			\$ 464.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 670.0	\$ 670.0	\$ 670.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 670.0

BR 3-141 ON S583 OVER POLK BRANCH, NORTH OF BRIDGEVILLE (CONTINUED)**PROJECT TIMELINE INFORMATION**

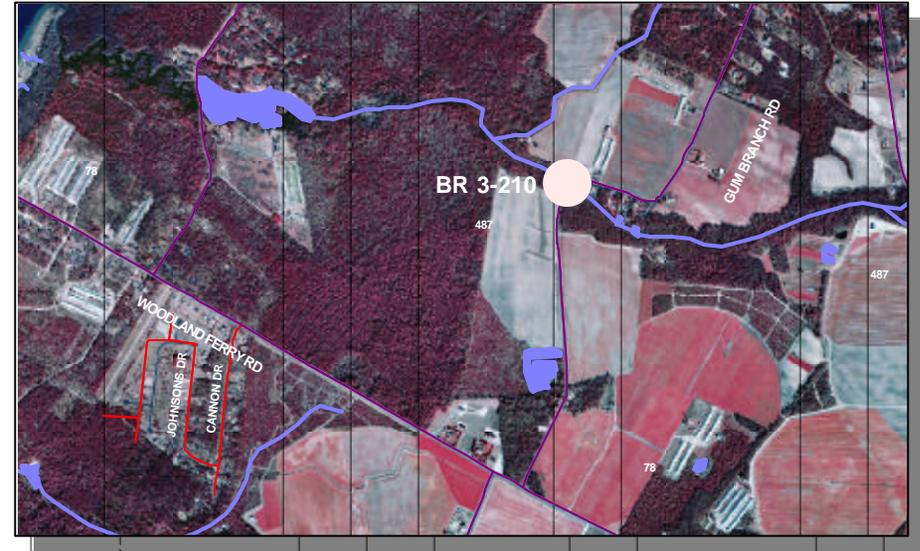
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
23-073-02	BR 3-141 on S583 Over Polk Branch, North of Bridgeville	PE	100% ST	\$ 90.0	\$ 0.0	\$ 0.0	\$ 90.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	80% FHWA	11.0	0.0	0.0	0.0	11.0	0.0	0.0
		C	80% FHWA	569.0	0.0	0.0	0.0	569.0	0.0	0.0
	Total All Funds			\$ 670.0	\$ 0.0	\$ 0.0	\$ 90.0	\$ 580.0	\$ 0.0	\$ 0.0

BR 3-210 ON S487 OVER GUM BRANCH

PROJECT SCOPE/DESCRIPTION: This project will consist of replacing the existing pipes with a precast concrete box culvert or pipes. Other work shall include placing riprap for scour protection, reconstructing the approach roadways, and placing steel beam guardrail as needed.

PROJECT JUSTIFICATION: The existing structure consists of two elliptical corrugated metal pipes in poor condition due to excessive corroding and locations of complete loss of section. The bridge currently ranks 28th on the bridge deficiency list (via the bridge management program).

County:	Sussex
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	39
Senatorial District:	21

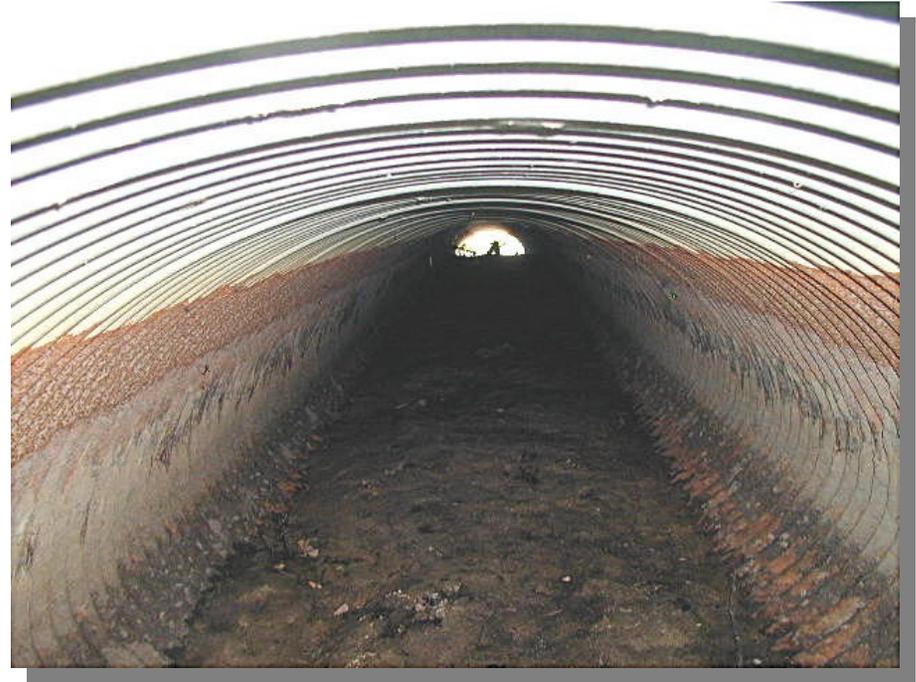


BR 3-210 ON S487 OVER GUM BRANCH (CONTINUED)

Bridge 3-210 on S487 Over Gum Branch



Inside Bridge 3-210



BR 3-210 ON S487 OVER GUM BRANCH (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 3-210 on S487 Over Gum Branch		\$ 28.0						
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		\$ 28.0	\$ 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			\$ 28.0				\$ 28.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 28.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 28.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 28.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 28.0	\$ 0.0			\$ 28.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 28.0	\$ 28.0	\$ 28.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 28.0

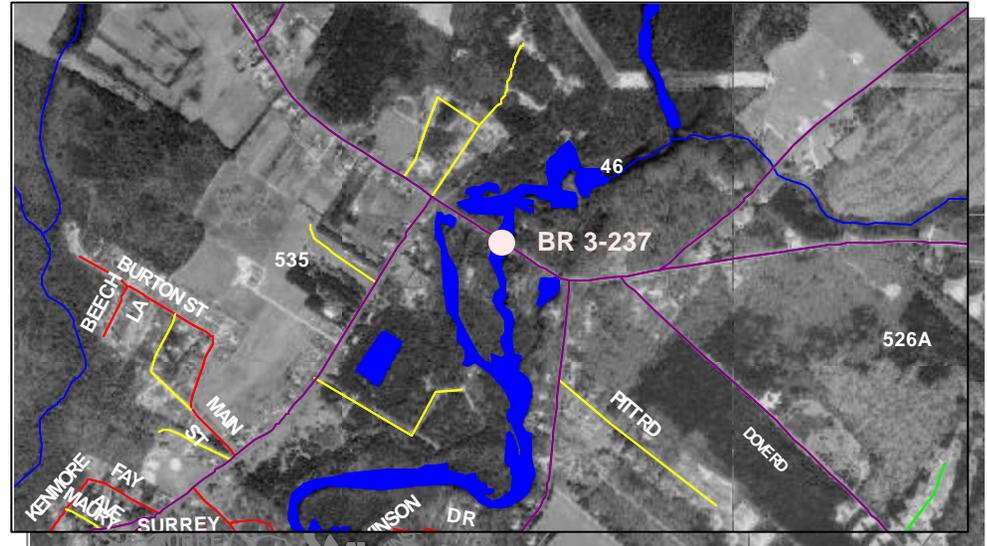
BR 3-210 ON S487 OVER GUM BRANCH (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
23-073-01	BR 3-210 on S487 Over Gum Branch	PE	100% ST	\$ 28.0	\$ 0.0	\$ 0.0	\$ 28.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 28.0	\$ 0.0	\$ 0.0	\$ 28.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 3-237 ON ELKS ROAD OVER GRAVELLY BRANCH, SEAFORD

PROJECT SCOPE/DESCRIPTION: This bridge was built in 1919 and has been designated as a historic bridge. It is finished with concrete parapets in incised rectangular panels and is supported on concrete abutments with U-shaped concrete wing walls. Flared timber wing walls have been added in an effort to arrest erosion of the embankments. The improvements will include partial replacement of the bridge on Elks Road (S 46) by repairing spalls on the existing concrete arch; widening the arch with matching shape and parapets; and installing guardrails at bridge approaches. The existing roadway section will also be widened.

PROJECT JUSTIFICATION: This bridge is functionally obsolete and ranks 71st on the department’s bridge deficiency list (via the bridge management program). Bridge inspection reports indicate that sections of the concrete arch are delaminated with exposed reinforcements. The report also shows that spalls are located on the arch and rails, and several spalls on the railing have exposed rebar. Scour is present on the south side of the arch, extending in from the channel.



County:	Sussex
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	35, 39
Senatorial District:	19



BR 3-237 ON ELKS ROAD OVER GRAVELLY BRANCH, SEAFORD (CONTINUED)

Bridge 3-237



BR 3-237 ON ELKS ROAD OVER GRAVELLY BRANCH, SEAFORD (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 3-237 on Elks Road Over Gravelly Branch, Seaford		\$ 1,212.0						
Prior Years	State			\$ 397.6	\$ 99.3	\$ 89.6	\$ 9.8	\$ 298.3
	Federal			\$ 814.4	\$ 0.0	\$ 0.0	\$ 0.0	\$ 814.4
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 1,212.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 298.3
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 814.4
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 298.3
	Federal			\$ 0.0				\$ 814.4
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 298.3
	Federal			\$ 0.0				\$ 814.4
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 298.3
	Federal			\$ 0.0				\$ 814.4
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 298.3
	Federal			\$ 0.0				\$ 814.4
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 397.6	\$ 99.3			\$ 298.3
	Federal			\$ 814.4	\$ 0.0			\$ 814.4
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,212.0	\$ 1,212.0	\$ 1,212.0	\$ 99.3	\$ 89.6	\$ 9.8	\$ 1,112.7

BR 3-237 ON ELKS ROAD OVER GRAVELLY BRANCH, SEAFORD (CONTINUED)**PROJECT TIMELINE INFORMATION**

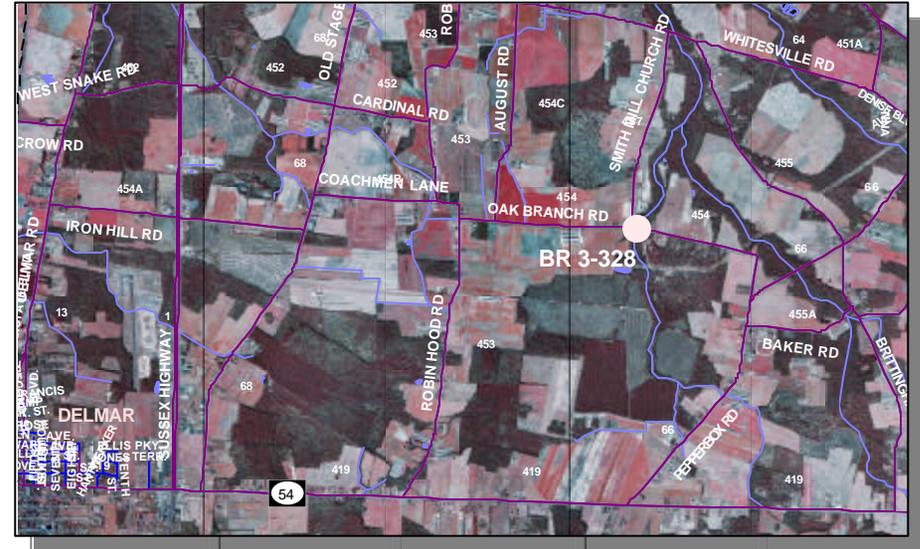
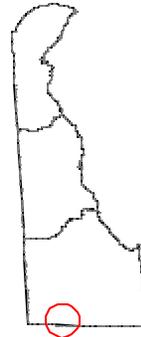
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
21-076-01	BR 3-237 on Elks Road Over Gravelly Branch, Seaford	PE	100% ST	\$ 150.0	\$ 150.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	44.0	44.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	1,018.0	1,018.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 1,212.0	\$ 1,212.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 3-328 ON S454 OVER FIGGS DITCH, EAST OF DELMAR

PROJECT SCOPE/DESCRIPTION: This project will consist of replacing the existing metal pipes with a precast concrete box culvert that meets current accepted roadway and bridge design criteria. Other work shall include placing riprap at the inlet and outlet for scour protection, reconstructing the approach roadway, and placing steel beam guardrail.

PROJECT JUSTIFICATION: The existing structure consists of three corrugated metal elliptical pipes in poor condition. Some distortion in one of the pipes could lead to future failure of the roadway and must be addressed. Some corrosion is also present in all three cells. This bridge currently ranks 44th on the bridge deficiency list (via the bridge management program).

County:	Sussex
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	40
Senatorial District:	21



BR 3-328 ON S454 OVER FIGGS DITCH, EAST OF DELMAR (CONTINUED)

Bridge 3-328 on S454 Over Figgs Ditch



Inside Bridge 3-328



BR 3-328 ON S454 OVER FIGGS DITCH, EAST OF DELMAR (CONTINUED)

PROJECT FUNDING INFORMATION

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended	Committed	Authorization Available
						as of 06/30/03	Unexpended as of 06/30/03	
BR 3-328 on S454 Over Figgs Ditch, East of Delmar		\$ 418.9						
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		\$ 418.9	\$ 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			\$ 71.0				\$ 71.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 4.8				\$ 75.8
	Federal			\$ 19.4				\$ 19.4
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 64.7				\$ 140.5
	Federal			\$ 259.0				\$ 278.4
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 140.5
	Federal			\$ 0.0				\$ 278.4
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 140.5	\$ 0.0			\$ 140.5
	Federal			\$ 278.4	\$ 0.0			\$ 278.4
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 418.9	\$ 418.9	\$ 418.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 418.9

BR 3-328 ON S454 OVER FIGGS DITCH, EAST OF DELMAR (CONTINUED)**PROJECT TIMELINE INFORMATION**

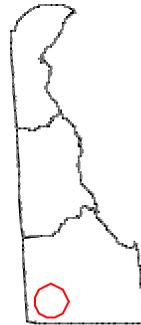
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	BR 3-328 on S454 Over Figgs Ditch, East of Delmar	PE	100% ST	\$ 71.0	\$ 0.0	\$ 0.0	\$ 71.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	80% FHWA	24.2	0.0	0.0	0.0	24.2	0.0	0.0
		C	80% FHWA	323.7	0.0	0.0	0.0	0.0	323.7	0.0
	Total All Funds			\$ 418.9	\$ 0.0	\$ 0.0	\$ 71.0	\$ 24.2	\$ 323.7	\$ 0.0

BR 3-330 ON OAK LANE OVER ROSSAKATUM BRANCH, LAUREL

PROJECT SCOPE/DESCRIPTION: This project will consist of replacing the existing metal pipe arch with a precast concrete arch or framing with wingwalls. Other work shall include placing riprap for scour protection, reconstructing the approach roadway, and replacing the existing cable guardrail with steel beam guardrail that meets current design standards.

PROJECT JUSTIFICATION: The existing structure consists of an elliptical corrugated metal pipe in poor condition due to the excessive corrosion and delaminations. The bridge ranks 63rd on the bridge deficiency list (via the bridge management program).

County: Sussex
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 40
Senatorial District: 21



BR 3-330 ON OAK LANE OVER ROSSAKATUM BRANCH, LAUREL (CONTINUED)

Bridge 3-330 on Oak Lane Over Rossakatum Branch



Inside Bridge 3-330



BR 3-330 ON OAK LANE OVER ROSSAKATUM BRANCH, LAUREL (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 3-330 on Oak Lane Over Rossakatum Branch, Laurel		\$ 933.0						
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		\$ 933.0	\$ 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			\$ 24.0				\$ 24.0
	Federal			\$ 96.0				\$ 96.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 162.6				\$ 186.6
	Federal			\$ 650.4				\$ 746.4
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 186.6
	Federal			\$ 0.0				\$ 746.4
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 186.6
	Federal			\$ 0.0				\$ 746.4
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 186.6	\$ 0.0			\$ 186.6
	Federal			\$ 746.4	\$ 0.0			\$ 746.4
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 933.0	\$ 933.0	\$ 933.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 933.0

BR 3-330 ON OAK LANE OVER ROSSAKATUM BRANCH, LAUREL (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	BR 3-330 on Oak Lane Over Rossakatum Branch, Laurel	PE	80% FHWA	\$ 120.0	\$ 0.0	\$ 0.0	\$ 120.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	80% FHWA	11.0	0.0	0.0	0.0	11.0	0.0	0.0
		C	80% FHWA	802.0	0.0	0.0	0.0	802.0	0.0	0.0
	Total All Funds			\$ 933.0	\$ 0.0	\$ 0.0	\$ 120.0	\$ 813.0	\$ 0.0	\$ 0.0