

# ***ROAD SYSTEM***

# ***LOCALS***

***N274, BRACKENVILLE ROAD, SR 41, LANCASTER PIKE TO N258, BARLEY MILL ROAD***

**PROJECT SCOPE/DESCRIPTION:** This project originally scheduled for construction in FY 2004 has been delayed until FY 2006 to review and implement the changes desired by the residents and local legislators. An interim improvement will be completed in the fall of 2005 by DeIDOT maintenance for drainage improvements at spot locations along N274, Brackenville Road and the intersection of N274, Brackenville Road and N258, Barley Mill Road.

The permanent improvement will include pavement reconstruction, slope stabilization, installation of partially closed drainage system and crossover pipes, and guardrail installation on N274, Brackenville Road from SR 41, Lancaster Pike to N258, Barley Mill Road.

The project will also include drainage improvements on N258, Barley Mill Road, just north of N274, Brackenville Road.

DeIDOT has established a working group to determine the best solutions for the area.

**PROJECT JUSTIFICATION:** Area citizens have brought narrow travel lanes and safety concerns to the attention of the department.



***N274, Brackenville Road***

**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Locals  
**Functional Category:** Management  
**Representative District:** 12, 20  
**Senatorial District:** 4, 7



**N274, BRACKENVILLE ROAD, SR 41, LANCASTER PIKE TO N258, BARLEY MILL ROAD (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/04	Expended as of 06/30/04	Committed Unexpended as of 06/30/04	Authorization Available
N274, Brackenville Road, SR 41, Lancaster Pike to N258, Barley Mill Road		\$ 2,911.0						
Prior Years	State			\$ 1,541.1	\$ 1,541.1	\$ 397.5	\$ 1,143.6	\$ 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	State		\$ 6,089.1	\$ 363.2	\$ 362.2	\$ 0.0	\$ 362.2	\$ 1.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Authorized	State			\$ 0.0				\$ 1.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 837.0				\$ 838.0
	Federal			\$ 3,347.8				\$ 3,347.8
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 838.0
	Federal			\$ 0.0				\$ 3,347.8
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 838.0
	Federal			\$ 0.0				\$ 3,347.8
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 2,741.3	\$ 1,903.3			\$ 838.0
	Federal			\$ 3,347.8	\$ 0.0			\$ 3,347.8
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 2,911.0	\$ 6,089.1	\$ 6,089.1	\$ 1,903.3	\$ 397.5	\$ 1,505.8	\$ 4,185.8

**N274, BRACKENVILLE ROAD, SR 41, LANCASTER PIKE TO N258, BARLEY MILL ROAD (CONTINUED)****PROJECT TIMELINE INFORMATION**

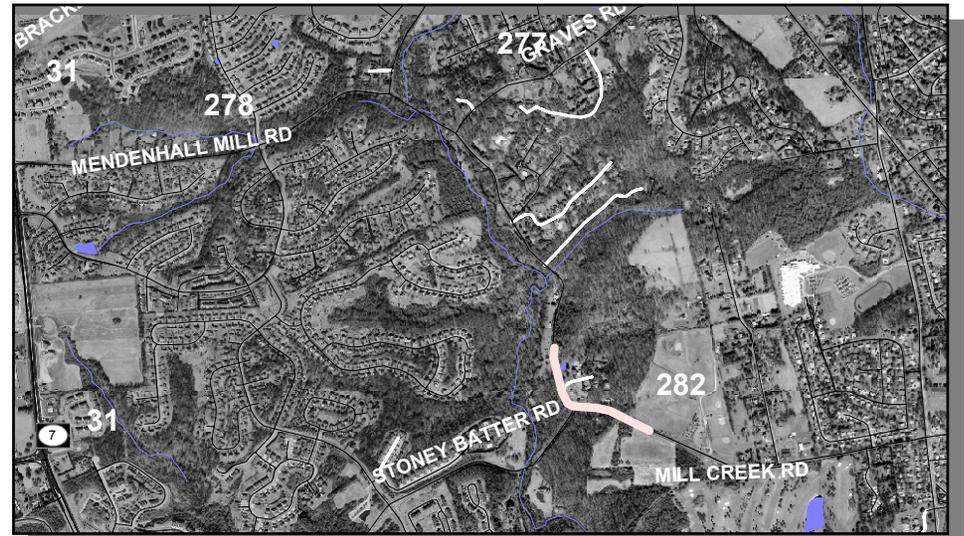
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
20-044-01	<b>N274, Brackenville Road, SR 41, Lancaster Pike to N258, Barley Mill Road</b>	LOC	100% ST	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		PE	100% ST	1,041.1	1,041.1	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	500.0	500.0	0.0	0.0	0.0	0.0	0.0
		C	100% ST	363.2	0.0	363.2	0.0	0.0	0.0	0.0
		C	80% FHWA	4,184.8	0.0	0.0	0.0	4,184.8	0.0	0.0
	Total All Funds			\$ 6,089.1	\$ 1,541.1	\$ 363.2	\$ 0.0	\$ 4,184.8	\$ 0.0	\$ 0.0

***N282, MILL CREEK ROAD***

**PROJECT SCOPE/DESCRIPTION:** This project involves the construction of approximately 900-feet of post and plank retaining wall along the east side of N282, Mill Creek Road from 800-feet north to N278, Mendenhall Mill Road to the first drive on the right.

**PROJECT JUSTIFICATION:** The steep slope on the east side of the roadway is failing, causing a safety issue. The road has been closed to traffic.

<b>County:</b>	New Castle
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System - Locals
<b>Functional Category:</b>	Preservation
<b>Representative District:</b>	20
<b>Senatorial District:</b>	7, 8



**N282, MILL CREEK ROAD (CONTINUED)**

**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/04	Expended as of 06/30/04	Committed Unexpended as of 06/30/04	Authorization Available
N282, Mill Creek Road		\$ 500.0						
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 2004	State		\$ 500.0	\$ 50.0	\$ 50.0	\$ 0.0	\$ 50.0	\$ 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 2005 Authorized	State			\$ 450.0				\$ 450.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 450.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 450.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 450.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 500.0	\$ 50.0			\$ 450.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 500.0	\$ 500.0	\$ 500.0	\$ 50.0	\$ 0.0	\$ 50.0	\$ 450.0

**N282, MILL CREEK ROAD (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
24-471-01	<b>N282, Mill Creek Road</b>	C	100% ST	\$ 50.0	\$ 0.0	\$ 50.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		C	100% ST	450.0	0.0	0.0	450.0	0.0	0.0	0.0
	Total All Funds			\$ 500.0	\$ 0.0	\$ 50.0	\$ 450.0	\$ 0.0	\$ 0.0	\$ 0.0

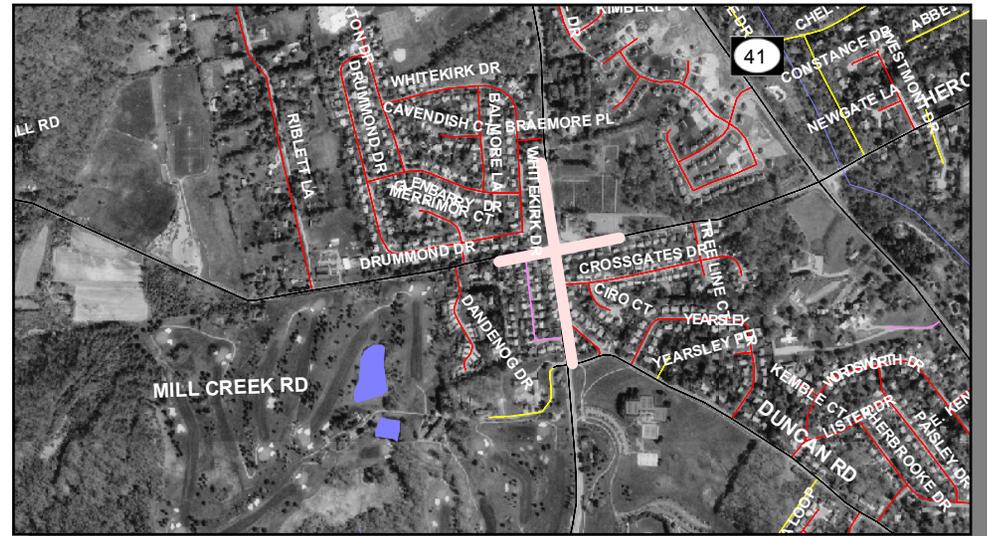
***N282, MILL CREEK ROAD AND N276, MCKENNAN’S CHURCH ROAD INTERSECTION IMPROVEMENTS***

**PROJECT SCOPE/DESCRIPTION:** Upon completion of the Project Development phase of this project, it was determined that even with the addition of right-turn lanes, the traffic congestion will not decrease enough to warrant the immediate, large investment of over \$1,000,000.

An intermediate plan to improve the signal timing and make the signals part of the overall statewide transportation management system, will improve the intersection levels of service.

Due to the historic properties and large right-of-way acquisitions that are necessary for an adequate intersection improvement, the “ultimate” improvement of widening the intersection with right-turn lanes and dedicated left-turn lanes will not be completed in the near future. As property becomes available, DelDOT will acquire the necessary land for construction.

**PROJECT JUSTIFICATION:** This project will improve traffic flow.



**County:** New Castle  
**Municipality:**  
**Funding Program:** Road System – Locals  
**Functional Category:** Management  
**Representative District:** 19, 20  
**Senatorial District:** 7, 8



***N282, MILL CREEK ROAD AND N276, MCKENNAN'S CHURCH ROAD INTERSECTION IMPROVEMENTS (CONTINUED)***

**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/04	Expended as of 06/30/04	Committed Unexpended as of 06/30/04	Authorization Available
N282, Mill Creek Road and N276, McKennan's Church Road Intersection Improvements		\$ 1,180.0						
Prior Years	State			\$ 20.5	\$ 20.5	\$ 0.2	\$ 20.3	\$ 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	State		\$ 1,200.5	\$ 180.0	\$ 180.0	\$ 0.0	\$ 180.0	\$ 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 2005 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 1,000.0				\$ 1,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,200.5	\$ 200.5			\$ 1,000.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,180.0	\$ 1,200.5	\$ 1,200.5	\$ 200.5	\$ 0.2	\$ 200.3	\$ 1,000.0

**N282, MILL CREEK ROAD AND N276, MCKENNAN'S CHURCH ROAD INTERSECTION IMPROVEMENTS (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
21-041-01	<b>N282, Mill Creek Road and N276, McKennan's Church Road Intersection Improvements</b>	PE	100% ST	\$ 200.5	\$ 20.5	\$ 180.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	1,000.0	0.0	0.0	0.0	0.0	0.0	1,000.0
		C*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 1,200.5	\$ 20.5	\$ 180.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,000.0

***N282, MILL CREEK ROAD AND N283, STONEY BATTER ROAD INTERSECTION***

**PROJECT SCOPE/DESCRIPTION:** Two options are under consideration to improve safety and traffic flows: realign the northern leg of N282, Mill Creek Road to connect to N283, Stoney Batter Road; or realign both roads and construct a roundabout. A minor amount of right-of-way acquisition along with additional drainage, utility and wetland mitigation may be required.

**PROJECT JUSTIFICATION:** Increased development in the area has increased traffic congestion at this three-legged intersection. Improvements will ease congestion during heavy traffic periods.



<b>County:</b>	New Castle
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System - Locals
<b>Functional Category:</b>	Management
<b>Representative District:</b>	20
<b>Senatorial District:</b>	7, 8



**N282, MILL CREEK ROAD AND N283, STONEY BATTER ROAD INTERSECTION (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/04	Expended as of 06/30/04	Committed Unexpended as of 06/30/04	Authorization Available
N282, Mill Creek Road and N283, Stoney Batter Road Intersection		\$ 1,554.0						
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 2004	State		\$ 1,554.0	\$ 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 2005 Authorized	State			\$ 221.0				\$ 221.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 100.0				\$ 321.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 246.6				\$ 567.6
	Federal			\$ 986.4				\$ 986.4
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 567.6
	Federal			\$ 0.0				\$ 986.4
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 567.6	\$ 0.0			\$ 567.6
	Federal			\$ 986.4	\$ 0.0			\$ 986.4
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,554.0	\$ 1,554.0	\$ 1,554.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,554.0

**N282, MILL CREEK ROAD AND N283, STONEY BATTER ROAD INTERSECTION (CONTINUED)****PROJECT TIMELINE INFORMATION**

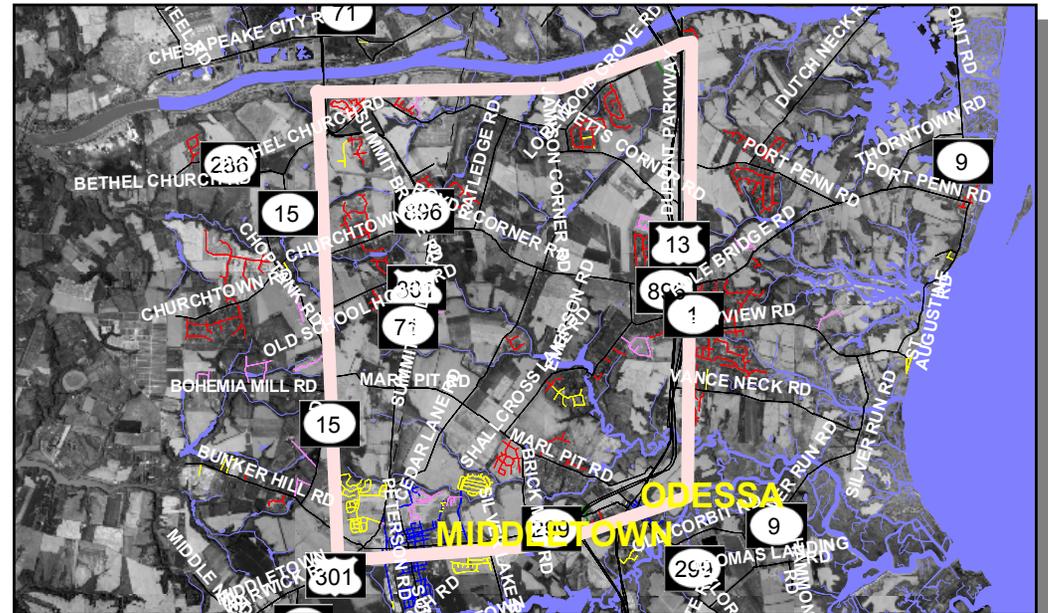
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
	<b>N282, Mill Creek Road and N283, Stoney Batter Road Intersection</b>	PE, ENV	100% ST	\$ 221.0	\$ 0.0	\$ 0.0	\$ 221.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	100.0	0.0	0.0	0.0	100.0	0.0	0.0
		C	80% FHWA	1,233.0	0.0	0.0	0.0	0.0	1,233.0	0.0
	Total All Funds			\$ 1,554.0	\$ 0.0	\$ 0.0	\$ 221.0	\$ 100.0	\$ 1,233.0	\$ 0.0

**SOUTHERN NEW CASTLE COUNTY IMPROVEMENTS**

**PROJECT SCOPE/DESCRIPTION:**

**Southern New Castle County Local Road Circulation Plan** - The joint New Castle County / DeDOT road system study of approximately 101 miles of collector and local roads has recently been completed. This area of Southern New Castle County roughly encompasses boundaries by the Chesapeake and Delaware Canal, the Maryland State Line, the Delaware River and the Middletown surroundings. This area is designated as a sewer service area by New Castle County for phased sewer construction to meet the needs of this rapidly growing area. The study report recommended intersection, road, and operational safety improvements throughout the area. Improvements are to be prioritized and phased in consideration of existing deficiencies, emerging development, and sewer phasing.

**Westtown** – This is a large development proposal for lands located within the Town of Middletown. A tri-party agreement between the Westtown development group, the Town of Middletown and DeDOT has been executed with the purpose of providing for coordination of private development construction with necessary infrastructure improvements to public utilities and roadways. Reconstruction of portions of US301, Bunker Hill Road, Level’s Road, Saint Anne’s Church Road and Wiggins Mill Road will be undertaken.



**PROJECT JUSTIFICATION:** These projects are needed as a result of recent and future development in Southern New Castle County.

<b>County:</b>	New Castle
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System – Locals
<b>Functional Category:</b>	Management
<b>Representative District:</b>	8, 9
<b>Senatorial District:</b>	10, 14



**SOUTHERN NEW CASTLE COUNTY IMPROVEMENTS (CONTINUED)****PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/04	Expended as of 06/30/04	Committed Unexpended as of 06/30/04	Authorization Available
Southern New Castle County Improvements		\$ 47,385.5						
Prior Years	State			\$ 2,000.0	\$ 2,000.0	\$ 1,267.7	\$ 732.3	\$ 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	State		\$ 47,241.6	\$ 3,232.0	\$ 3,232.0	\$ 0.0	\$ 3,232.0	\$ 0.0
	Federal			\$ 12,022.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 12,022.9
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Authorized	State			\$ 9,000.0				\$ 9,000.0
	Federal			\$ 0.0				\$ 12,022.9
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 1,197.3				\$ 10,197.3
	Federal			\$ 4,789.4				\$ 16,812.3
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 1,000.0				\$ 11,197.3
	Federal			\$ 4,000.0				\$ 20,812.3
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 2,000.0				\$ 13,197.3
	Federal			\$ 8,000.0				\$ 28,812.3
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 18,429.3	\$ 5,232.0			\$ 13,197.3
	Federal			\$ 28,812.3	\$ 0.0			\$ 28,812.3
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 47,385.5	\$ 47,241.6	\$ 47,241.6	\$ 5,232.0	\$ 1,267.7	\$ 3,964.3	\$ 42,009.6

***SOUTHERN NEW CASTLE COUNTY IMPROVEMENTS (CONTINUED)*****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
	<b>Southern New Castle County Improvements</b>									
21-120-02	Southern New Castle County Local Road Circulation Plan	PLAN	80% FHWA	\$ 36,015.3	\$ 0.0	\$ 15,028.6	\$ 0.0	\$ 5,986.7	\$ 5,000.0	\$ 10,000.0
		PLAN	100% ST	226.3	0.0	226.3	0.0	0.0	0.0	0.0
	Westtown	PLAN	100% ST	11,000.0	2,000.0	0.0	9,000.0	0.0	0.0	0.0
	Total All Funds			\$ 47,241.6	\$ 2,000.0	\$ 15,254.9	\$ 9,000.0	\$ 5,986.7	\$ 5,000.0	\$ 10,000.0