

# ***KENT COUNTY***

# *ROAD SYSTEM*

# *EXPRESSWAYS*

**SR 1 AND SR 8, PARTIAL INTERCHANGE, DOVER**

**PROJECT SCOPE/DESCRIPTION:** This project opened (September 2002) the existing emergency access ramps on SR 1 at SR 8 for utilization by the general public. The department will additionally purchase development rights for properties adjacent to SR 8 between SR 1 and SR 9. The project will also monitor and make improvements along and adjacent to SR 8 between the Interchange and US 13.

**PROJECT JUSTIFICATION:** This project will allow an additional access route to the City of Dover from SR 1.

<b>County:</b>	Kent
<b>Municipality:</b>	Dover
<b>Funding Program:</b>	Road System - Expressways
<b>Functional Category:</b>	Expansion
<b>Representative District:</b>	28, 32
<b>Senatorial District:</b>	17



**SR 1 AND SR 8, PARTIAL INTERCHANGE, DOVER (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
SR 1 and SR 8, Partial Interchange, Dover		\$ 9,090.0						
Prior Years	State			\$ 3,090.0	\$ 3,090.0	\$ 748.2	\$ 2,341.8	\$ 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		\$ 9,090.0	\$ 3,000.0	\$ 3,000.0	\$ 0.0	\$ 3,000.0	\$ 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			\$ 3,000.0				\$ 3,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 3,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 3,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 3,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 9,090.0	\$ 6,090.0			\$ 3,000.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 9,090.0	\$ 9,090.0	\$ 9,090.0	\$ 6,090.0	\$ 748.2	\$ 5,341.8	\$ 3,000.0

**SR 1 AND SR 8, PARTIAL INTERCHANGE, DOVER (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-110-01	<b>SR 1 and SR 8, Partial Interchange, Dover</b>	PLAN	100% ST	\$ 9,090.0	\$ 3,090.0	\$ 3,000.0	\$ 3,000.0	\$ 0.0	\$ 0.0	\$ 0.0
	Total All Funds			\$ 9,090.0	\$ 3,090.0	\$ 3,000.0	\$ 3,000.0	\$ 0.0	\$ 0.0	\$ 0.0

**SR 1, TOLL PLAZA MODIFICATIONS, DOVER**

**PROJECT SCOPE/DESCRIPTION:** This project will enhance the current computer technology utilized at SR 1, Dover Plaza to process electronic toll collections by installing highway safe speed lanes.

**PROJECT JUSTIFICATION:** Collection processes will be reduced by installing highway safe speed lanes and will improve customer satisfaction at the Dover Plaza. Customers will be able to maintain their travel speeds. Manual toll collection averages 325 - 350 vehicles per hour compared with electronic toll collection averages of 1,600 - 1,800 vehicles per hour.



<b>County:</b>	Kent
<b>Municipality:</b>	Dover
<b>Funding Program:</b>	Road System - Expressways
<b>Functional Category:</b>	Management
<b>Representative District:</b>	28
<b>Senatorial District:</b>	14



**SR 1, TOLL PLAZA MODIFICATIONS, DOVER (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
SR 1, Toll Plaza Modifications, Dover		\$ 8,000.0						
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		\$ 8,546.0	\$ 1,709.2	\$ 160.2	\$ 93.4	\$ 66.8	\$ 1,549.0
	Federal			\$ 6,836.8	\$ 5,947.7	\$ 373.8	\$ 5,573.9	\$ 889.1
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 1,549.0
	Federal			\$ 0.0				\$ 889.1
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 1,549.0
	Federal			\$ 0.0				\$ 889.1
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 1,549.0
	Federal			\$ 0.0				\$ 889.1
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 1,549.0
	Federal			\$ 0.0				\$ 889.1
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,709.2	\$ 160.2			\$ 1,549.0
	Federal			\$ 6,836.8	\$ 5,947.7			\$ 889.1
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 8,000.0	\$ 8,546.0	\$ 8,546.0	\$ 6,107.9	\$ 467.3	\$ 5,640.8	\$ 2,438.1

**SR 1, TOLL PLAZA MODIFICATIONS, DOVER (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
23-110-01	<b>SR 1, Toll Plaza Modifications, Dover</b>	PE/C	80% FHWA	\$ 8,546.0	\$ 0.0	\$ 8,546.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Total All Funds			\$ 8,546.0	\$ 0.0	\$ 8,546.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

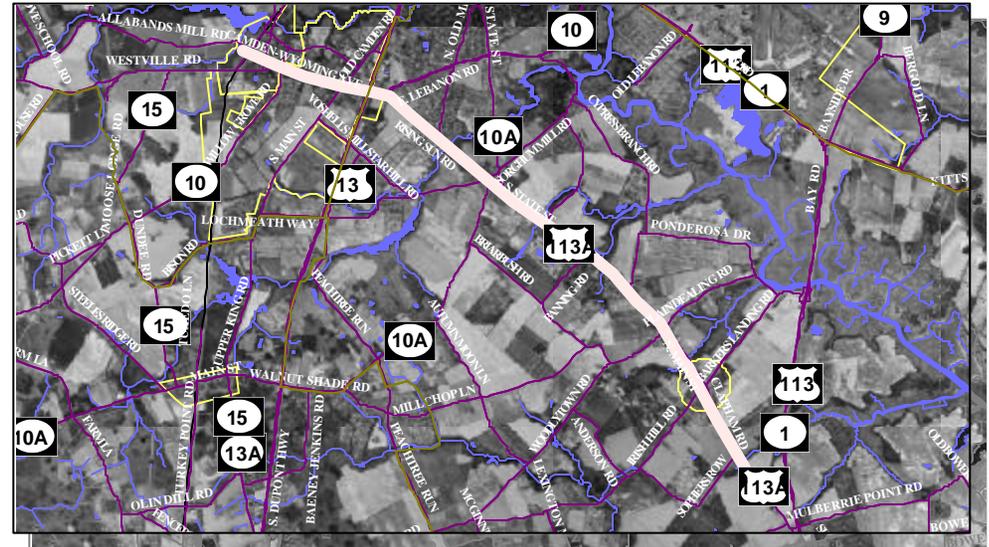
# ***ROAD SYSTEM***

# ***ARTERIALS***

**ALTERNATE US113, LITTLE HEAVEN TO SR 10**

**PROJECT SCOPE/DESCRIPTION:** The project development phase of this project will identify operational (those improvements that can be implemented quickly) and capital improvements (those improvements that need design and right-of-way acquisition). The project development work will commence in FY 2005 and be completed with appropriate recommendations in FY 2006.

**PROJECT JUSTIFICATION:** The Dover/Kent County Metropolitan Planning Organization (MPO) is in the final stages of a preliminary study and public outreach to identify areas of needed improvement along this busy corridor from Little Heaven to US 13. Expanded development in the area necessitates the need for roadway and operational improvements.

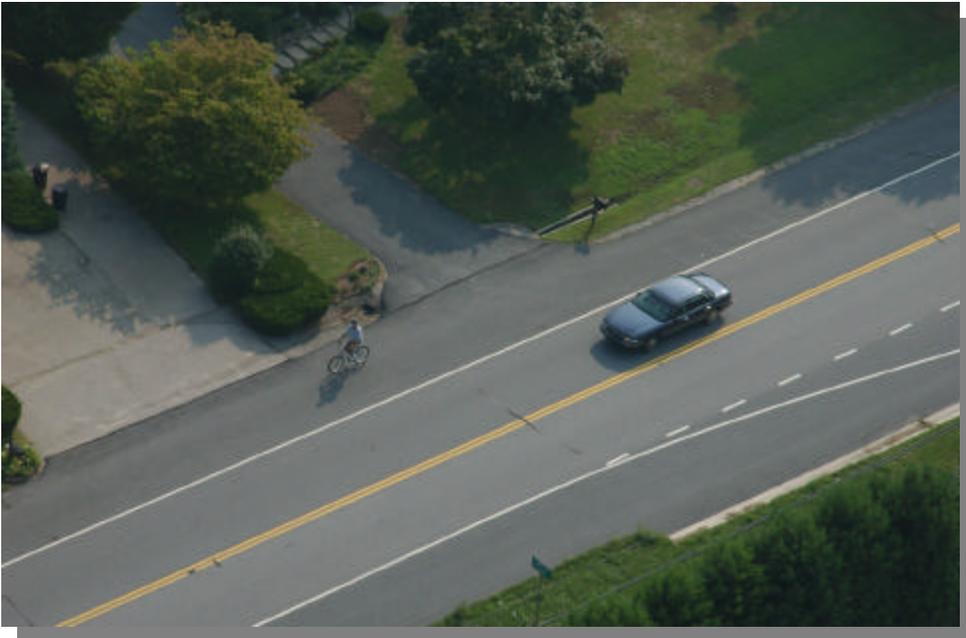


**County:** Kent  
**Municipality:**  
**Funding Program:** Road System – Arterials  
**Functional Category:** Management  
**Representative District:** 33, 34  
**Senatorial District:** 16, 17



*ALTERNATE US113, LITTLE HEAVEN TO SR 10 (CONTINUED)*

*Close Up Aerial View of Alternate US113 (South State Street)*



*Alternate US113 Split at Little Heaven*



*ALTERNATE US113, LITTLE HEAVEN TO SR 10 (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
Alternate US113, Little Heaven to SR 10		\$ 1,000.0						
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		\$ 1,000.0	\$ 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			\$ 500.0				\$ 500.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 500.0				\$ 1,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 1,000.0	\$ 0.0			\$ 1,000.0
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,000.0	\$ 1,000.0	\$ 1,000.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,000.0

**ALTERNATE US113, LITTLE HEAVEN TO SR 10 (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
	<b>Alternate US113, Little Heaven to SR 10</b>	PD	100% ST	\$ 500.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 500.0	\$ 0.0
		PE	100% ST	500.0	0.0	0.0	0.0	0.0	0.0	500.0
		C*	80% FHWA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 1,000.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 500.0	\$ 500.0

**SOUTH GOVERNOR'S AVENUE, WEBB'S LANE TO WATER STREET**

**PROJECT SCOPE/DESCRIPTION:** A recent study recommended the need to address the deficiencies of the existing roadway and to provide a consistent roadway section throughout the corridor. The recommendations were presented at a Public Workshop in October 2002. The recommendations concluded the need for the typical roadway section include a 14' two-way center turn lane, a five foot shoulder in each direction, curbing on both sides of the road (closed drainage), a three foot grass buffer on each side of the road, and a five foot sidewalk on each side of the road. At some location, an aesthetic median is proposed rather than the center-turn lane.

**PROJECT JUSTIFICATION:** The recommendations of the study focused on improving safety, drainage, and signalization and promoting various modes of transportation.

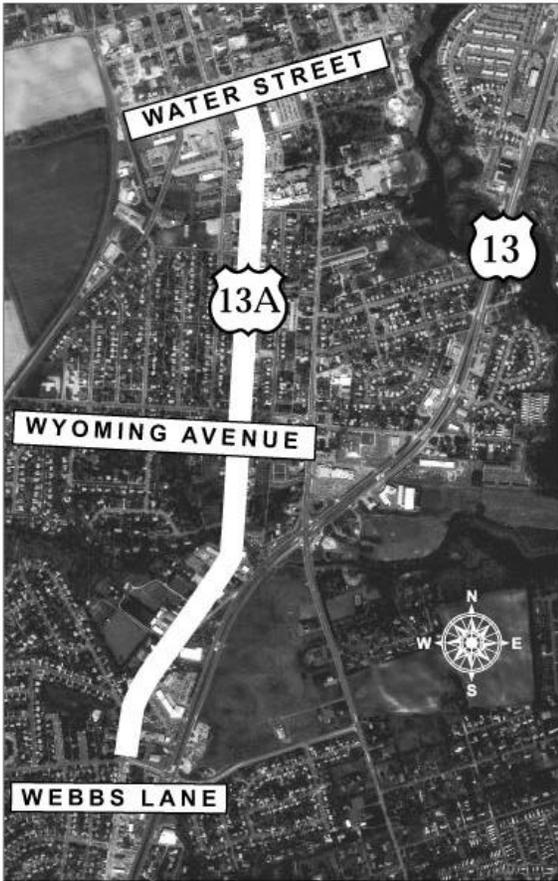


**County:** Kent  
**Municipality:** Dover  
**Funding Program:** Road System – Arterials  
**Functional Category:** Management  
**Representative District:** 31, 32  
**Senatorial District:** 17



*SOUTH GOVERNOR'S AVENUE, WEBB'S LANE TO WATER STREET (CONTINUED)*

*Governor's Avenue Aerial View*



**South Governors Avenue Planning Study**  
Water Street to Webb's Lane  
Dover, Delaware

**Artist's Renderings**



**Existing Conditions**



**Recommended Alternative**



*SOUTH GOVERNOR'S AVENUE, WEBB'S LANE TO WATER STREET (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
South Governor's Avenue, Webb's Lane to Water Street		\$ 5,181.3						
Prior Years	State			\$ 736.9	\$ 736.9	\$ 335.9	\$ 401.0	\$ 0.0
	Federal			\$ 1,729.5	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,729.5
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 15,907.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 1,218.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 2,947.5
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 2,947.5
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 2,444.5				\$ 2,444.5
	Federal			\$ 9,778.0				\$ 12,725.5
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 2,444.5
	Federal			\$ 0.0				\$ 12,725.5
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 2,444.5
	Federal			\$ 0.0				\$ 12,725.5
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 3,181.4	\$ 736.9			\$ 2,444.5
	Federal			\$ 12,725.5	\$ 0.0			\$ 12,725.5
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 5,181.3	\$ 15,907.0	\$ 15,906.9	\$ 736.9	\$ 335.9	\$ 401.0	\$ 15,170.0

***SOUTH GOVERNOR'S AVENUE, WEBB'S LANE TO WATER STREET (CONTINUED)*****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
20-045-02	<b>South Governor's Avenue, Webb's Lane to Water Street</b>	PE	80% FHWA	\$ 2,161.9	\$ 2,161.9	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	80% FHWA	1,522.5	0.0	1,522.5	0.0	0.0	0.0	0.0
		C	80% FHWA	12,222.5	0.0	0.0	0.0	12,222.5	0.0	0.0
	Total All Funds			\$ 15,907.0	\$ 2,161.9	\$ 1,522.5	\$ 0.0	\$ 12,222.5	\$ 0.0	\$ 0.0

**SR 1, FREDERICA INTERCHANGE**

**PROJECT SCOPE/DESCRIPTION:** This project includes the construction of a grade-separated interchange at this intersection with a proposed on/off access interchange provided along SR 12. The project will also include the construction of acceleration/deceleration lanes for access to the proposed interchange along northbound SR 1. The existing median crossover at this intersection will be eliminated with this improvement.

**PROJECT JUSTIFICATION:** The improvements to this intersection will enhance safety and improve traffic flow along the SR 1 corridor.



<b>County:</b>	Kent
<b>Municipality:</b>	Frederica
<b>Funding Program:</b>	Road System – Arterials
<b>Functional Category:</b>	Management
<b>Representative District:</b>	33
<b>Senatorial District:</b>	16



***SR 1, FREDERICA INTERCHANGE (CONTINUED)***

***SR 1 and SR 12 Looking South***



**SR 1, FREDERICA INTERCHANGE (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
SR 1, Frederica Interchange		\$ 1,740.0						
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		\$ 7,540.0	\$ 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			\$ 580.0				\$ 580.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 1,160.0				\$ 1,740.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 1,160.0				\$ 2,900.0
	Federal			\$ 4,640.0				\$ 4,640.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 2,900.0
	Federal			\$ 0.0				\$ 4,640.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 2,900.0	\$ 0.0			\$ 2,900.0
	Federal			\$ 4,640.0	\$ 0.0			\$ 4,640.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,740.0	\$ 7,540.0	\$ 7,540.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 7,540.0

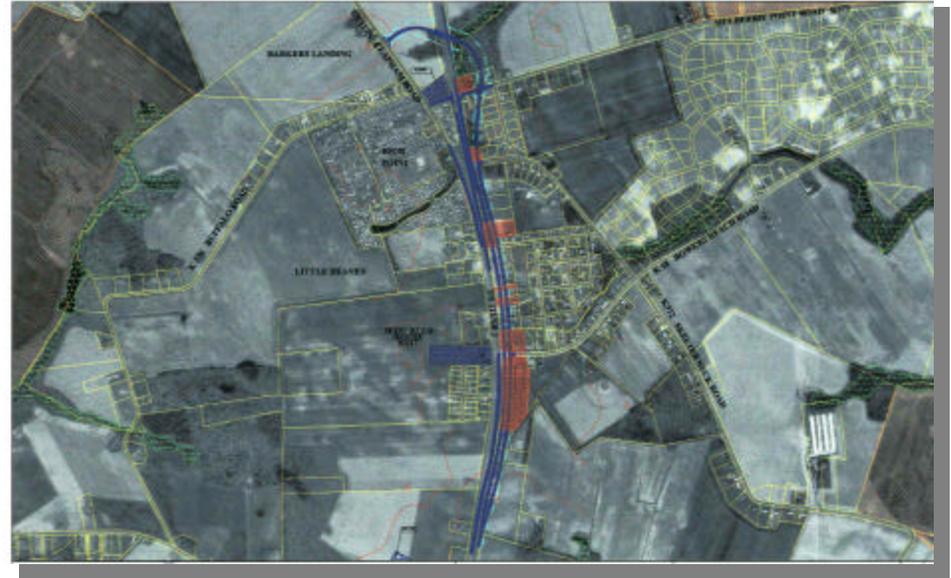
**SR 1, FREDERICA INTERCHANGE (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
24-124-03	<b>SR 1, Frederica Interchange</b>	PE	100% ST	\$ 580.0	\$ 0.0	\$ 0.0	\$ 580.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	1,160.0	0.0	0.0	0.0	1,160.0	0.0	0.0
		C	80% FHWA	5,800.0	0.0	0.0	0.0	0.0	5,800.0	0.0
	Total All Funds			\$ 7,540.0	\$ 0.0	\$ 0.0	\$ 580.0	\$ 1,160.0	\$ 5,800.0	\$ 0.0

**SR 1, LITTLE HEAVEN INTERCHANGE**

**PROJECT SCOPE/DESCRIPTION:** This project includes the construction of new SR 1 northbound lanes and a service road, east of SR 1 from Skeeter Neck Road (K372) to north of Mulberry Point Road (K373) in Little Heaven. The existing SR 1 northbound lanes will be converted to SR 1 southbound lanes and the existing SR 1 southbound lanes will be converted to a service road. The project also includes the construction of a grade-separation across SR 1 from the service road on the east connecting to US113A opposite the Barkers Landing development. Access on/off of the service road and SR 1 will be provided via Mulberry Point Road.

**PROJECT JUSTIFICATION:** The improvements will enhance safety and improve traffic flow along the SR 1 corridor. The service road will provide access for multiple developments both existing and proposed along SR 1. Providing alternative access and improving the local road network will help preserve the ability of SR 1 in converting this corridor to a limited-access highway.



<b>County:</b>	Kent
<b>Municipality:</b>	
<b>Funding Program:</b>	Road System – Arterials
<b>Functional Category:</b>	Management
<b>Representative District:</b>	33
<b>Senatorial District:</b>	16



*SR 1, LITTLE HEAVEN INTERCHANGE (CONTINUED)*

*SR 1 and Mulberrie Point Road*



**SR 1, LITTLE HEAVEN INTERCHANGE (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
SR 1, Little Heaven Interchange		\$ 4,740.0						
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		\$ 20,540.0	\$ 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			\$ 1,580.0				\$ 1,580.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 3,160.0				\$ 4,740.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 3,160.0				\$ 7,900.0
	Federal			\$ 12,640.0				\$ 12,640.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 7,900.0
	Federal			\$ 0.0				\$ 12,640.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 7,900.0	\$ 0.0			\$ 7,900.0
	Federal			\$ 12,640.0	\$ 0.0			\$ 12,640.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 4,740.0	\$ 20,540.0	\$ 20,540.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 20,540.0

**SR 1, LITTLE HEAVEN INTERCHANGE (CONTINUED)****PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
24-122-02	<b>SR 1, Little Heaven Interchange</b>	PE	100% ST	\$ 1,580.0	\$ 0.0	\$ 0.0	\$ 1,580.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	3,160.0	0.0	0.0	0.0	3,160.0	0.0	0.0
		C	80% FHWA	15,800.0	0.0	0.0	0.0	0.0	15,800.0	0.0
	Total All Funds			\$ 20,540.0	\$ 0.0	\$ 0.0	\$ 1,580.0	\$ 3,160.0	\$ 15,800.0	\$ 0.0