

SUSSEX COUNTY

ROAD SYSTEM

ARTERIALS

ROUTE 1, BEACH AREA IMPROVEMENTS

PROJECT SCOPE/DESCRIPTION: The proposed projects listed below are the result of Phase I of the SR 1 Grid Study. Further development of proposed solutions and alternatives, as well as public involvement, will be necessary before these projects can move forward to design.

Area Legislative Short Term Improvements – A committee consisting of local legislators, DelDOT managers and engineers and public enthusiasts are meeting routinely to strategically plan short-term improvements needed immediately. These recommendations are those that can be designed and constructed quickly. These include installation of triple left-turn lanes on eastbound Shuttle Road, prohibit the left turn lane on westbound US 9 to SR 1, restripe the southbound Route 1 shoulder to provide continuous right-turn lane/bus lane between 5-Points and SR 24, John J. Williams Highway, construct a median between the southbound and through lanes and the left-turn lanes on Route 1, and provide second left-turn lane onto Route 1A from Route 1.

- A. **S273A, Bay Vista Road Intersection Improvements:** It was requested of the department to provide a traffic signal at the intersection of SR 1 and Phillips Street, near Rehoboth Beach. Because there were a number of overlapping projects active in this area, a meeting on April 15, 2002, discussed a coordinated approach to addressing the issue. The projects included a pavement and rehabilitation project along S273A, Bay Vista, the SR 1 Grid Rehoboth Entrance Improvements Study and the signal request. The improvements were designed by the South District maintenance crews and included the S273A, Bay Vista shoulders, right-turn lane, new left-turn lane from SR 1 and signal improvements. Construction was completed in the spring of 2003.

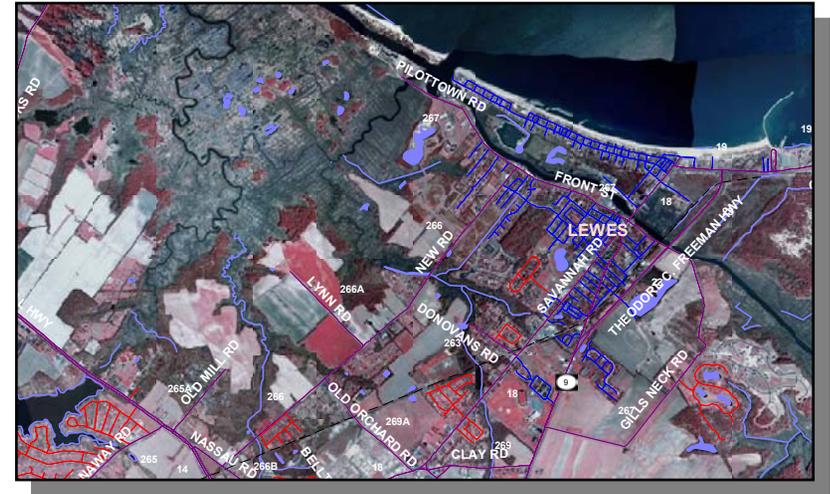


- B. **Beach Area Park and Ride:** This project provides a six to seven hundred vehicle park and ride facility that would be located near Five Points to intercept traffic from the north destined for Rehoboth Beach and Lewes/Cape Henlopen. The park and ride lot would have shared use potential and be coordinated with the S265 grade separation being planned as part of the SR 1 Corridor Preservation Program north of Nassau. As part of the operation of the park and ride lot, it is anticipated there would be shuttle bus services into the resort areas and that the lot could be the site for bus transfers.

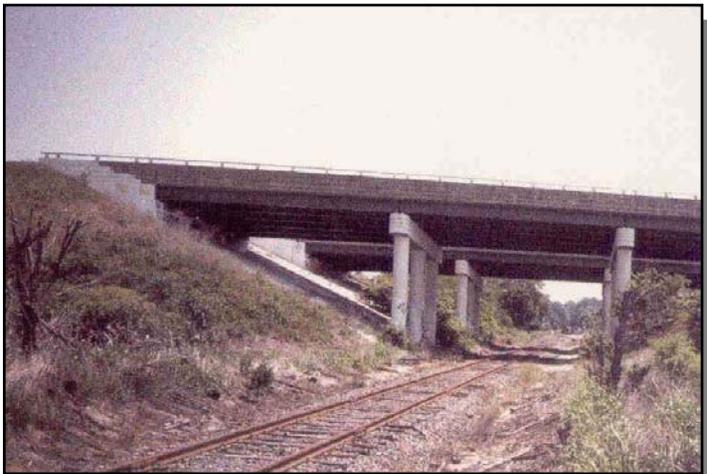


ROUTE 1, BEACH AREA IMPROVEMENTS (CONTINUED)

- C. **Georgetown to Lewes Rail to Trail Conversion (Study):** - DelDOT will begin a study to determine the most feasible non-motorized route to connect Georgetown to Lewes and intermediate points. Shared use of the active State-owned railroad right-of-way, rail-to-trail conversions, roadway shoulders, sidewalks, and other treatments may be used to create the safest, most effective alignment possible. Typical treatments of trail sections, underpasses, bridges, etc. especially in shared rail-with-trail sections, may be used as reference for future projects.
- D. **Lewes Boat Ramp:** Funding has been reserved to improve the infrastructure to allow easier access from Route 1 to the new Lewes Boat Ramp on S267, Pilottown Road. A final design alternative has not yet been selected, but alternatives include using S266, New Road, that could be added to the project in the current statewide Bicycle, Pedestrian and other improvements project; or upgrade of the roadway through the University of Delaware campus.

Lewes Boat Ramp

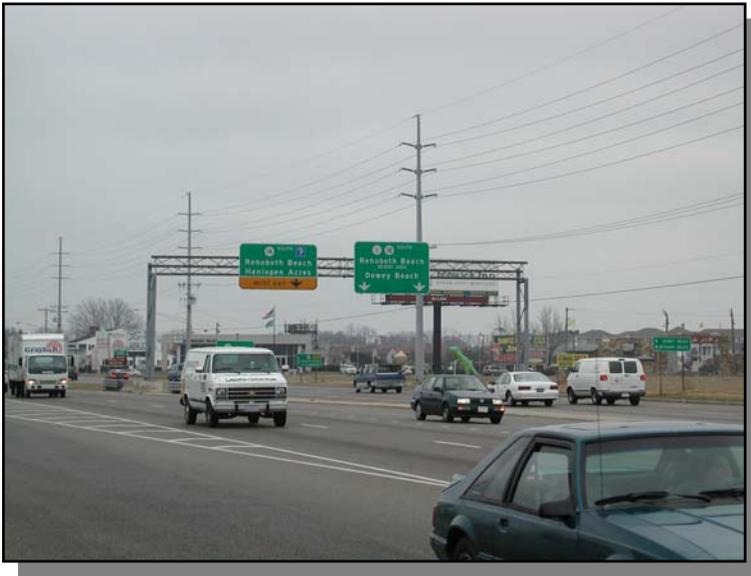
- E. **Nassau Pedestrian / Bicycle Connection:** This project provides a new relocated section for a portion of the American Discovery/Millennium Trail, making use of the existing grade separation between SR 1 and the DelDOT-owned railroad tracks at Nassau. A pedestrian and bicycle crossing of SR 1 away from the Five Points intersection will also be provided. Future expansion to the east and west would need to be done as part of other projects.

Nassau Pedestrian and Bicycle Connection Site

ROUTE 1, BEACH AREA IMPROVEMENTS (CONTINUED)

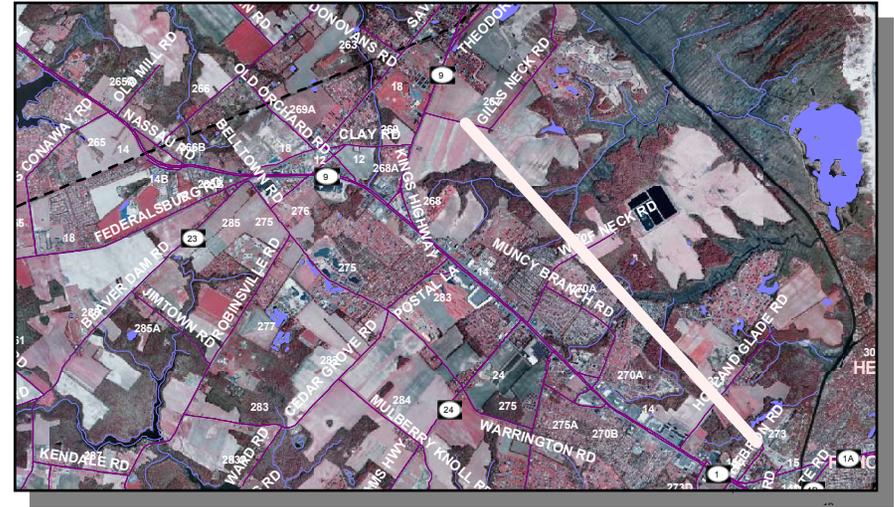
- F. **Rehoboth Entrance Improvements:** This project improves operations and safety at the SR 1 / 1A split by providing additional route connections into and out of Rehoboth Beach. It may include a grade separated interchange at SR 1 / SR 1A. It also includes elements that were requested by the eastside communities, such as West Rehoboth (for connecting between eastside communities and Rehoboth Beach). Additionally, multi-use access would be provided to the canal area by motorists, bicyclists, and pedestrians connecting with the Department of Natural Resources and Environmental Control's Lewes to Rehoboth multi-use trail north of Hebron Road to Rehoboth Beach.

An additional study will investigate the feasibility of an elevated highway along SR 1, Coastal Highway.

Entrance to Rehoboth

ROUTE 1, BEACH AREA IMPROVEMENTS (CONTINUED)

- G. **Rehoboth to Lewes Bicycle Path:** This project involves the construction of a bikeway linking the cities of Lewes and Rehoboth Beach independent of existing roads. This will be a 12-foot wide approximately 4.8 mile concrete bicycle path, generally following the abandoned rail corridor of the old Lewes and Rehoboth Rail Line.



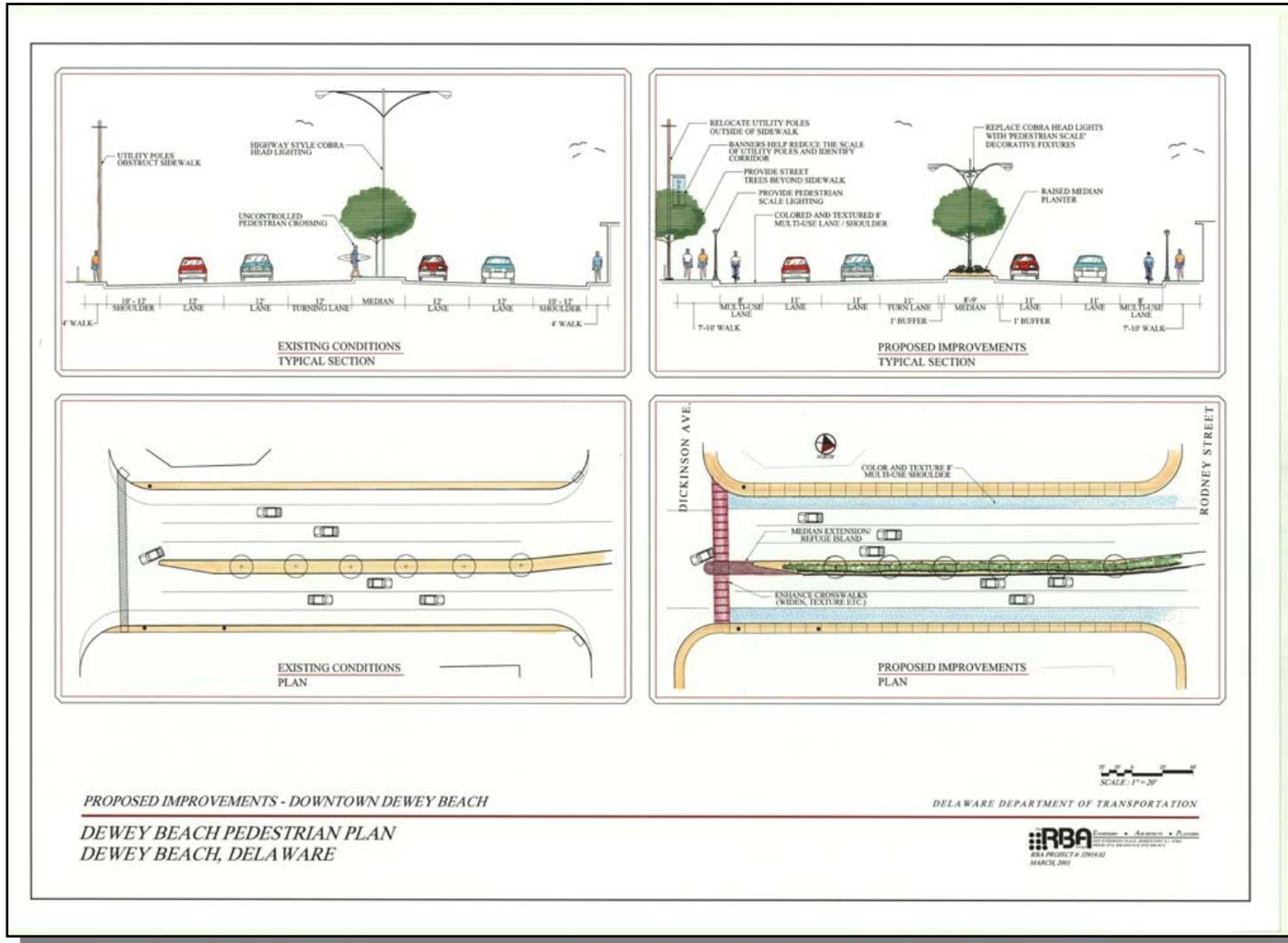
- H. **S266, New Road from Nassau to S267, Pilottown Road – Shoulder Improvements** – The addition of shoulders will allow safe bicycle trips from SR 1 / S266B, Nassau Road to the Town of Lewes. The shoulders will also provide for additional safety for boat trailers traveling from SR 1 to the proposed boat launch ramp on S267, Pilottown Road.

- I. **SR 1, Coastal Highway, Connector Road, Rehoboth Entrance to North of US 9 (Nassau):** Concept plans are under development for a possible new roadway on a new alignment traversing parallel and west of Route 1 from North of US 9 at Five Points with a southern terminus around the Rehoboth entrance area.



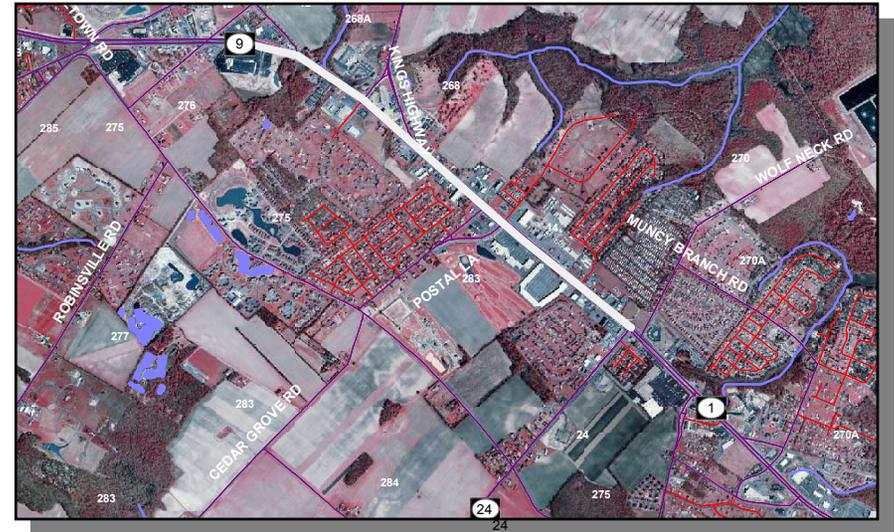
ROUTE 1, BEACH AREA IMPROVEMENTS (CONTINUED)

J. **SR 1, Coastal Highway from Bedford Avenue to Houston Street, and SR 1A from SR 1 to Silver Lake, Dewey Beach Pedestrian / Bicycle Improvements** – The Dewey Beach Pedestrian Plan provides a concept for the improvement of seasonal pedestrian travel on and across SR 1 and SR 1A. The project limits extend from the Dewey Beach border in the north at the intersection of SR 1 and Bayard Street, to the Dewey Beach border in the south just below Collins Street. The corridor branches off along the coast, and includes SR 1A from the intersection with SR 1 north to the Rehoboth border at Silver Lake.



ROUTE 1, BEACH AREA IMPROVEMENTS (CONTINUED)

K. **SR 1, Coastal Highway (Southbound Third Lane), SR 24 to North of US 9 (Five Points):** This project adds a third lane southbound by widening the shoulder on southbound SR 1 from north of SR 24 to north of Five Points eliminating traffic backups into the City of Rehoboth. This project also adds a sidewalk and “green area” that is consistent with the Charles B. Mills Boulevard concept. This section of southbound SR 1 has constrained capacity and a widened shoulder could facilitate its multi-modal usage in accordance with the American Association of State Highway and Transportation Official’s (AASHTO) recently updated guidelines.



SR 24 to North of US 9



SR 24 to North of US 9



ROUTE 1, BEACH AREA IMPROVEMENTS (CONTINUED)

L. **SR 1, Coastal Highway, S 12, Wescoats Road, S 18, Savannah Road, Triangle Improvements:** Preliminary concept plans are being developed for this busy area from Route 1 and into Lewes. These improvements include S 18, Savannah Road from Route 1 to Wescoats Corner; S 12, Wescoats Road from Route 1 to S 18, Savannah Road; and the relocation of S269A, Old Orchard Road to a four-way intersection with Wescoats Road, Savannah Road, and Old Orchard Road.



M. **US 9 / SR 1 (Five Points) Interchange (Study):** A study will investigate the feasibility of an interchange of US 9 with SR 1 at Five Points.

PROJECT JUSTIFICATION: These projects will improve pedestrian and bicycle safety and make needed roadway improvements.

County: Sussex
Municipality:
Funding Program: Road System – Arterials
Functional Category: Management
Representative District: 14, 36, 37
Senatorial District: 18, 20



ROUTE 1, BEACH AREA 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
Route 1, Beach Area Improvements		\$ 39,955.5						
Prior Years	State			\$ 4,498.8	\$ 4,498.8	\$ 4,498.8	\$ 0.0	\$ 0.0
	Federal			\$ 200.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 200.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 52,513.7	\$ 9,264.9	\$ 9,027.6	\$ 250.3	\$ 8,777.3	\$ 237.3
	Federal			\$ 800.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,000.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Authorized	State			\$ 4,802.9				\$ 5,040.2
	Federal			\$ 7,197.1				\$ 8,197.1
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 4,000.0				\$ 9,040.2
	Federal			\$ 800.0				\$ 8,997.1
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 3,790.0				\$ 12,830.2
	Federal			\$ 15,160.0				\$ 24,157.1
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 400.0				\$ 13,230.2
	Federal			\$ 1,600.0				\$ 25,757.1
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 26,756.6	\$ 13,526.4			\$ 13,230.2
	Federal			\$ 25,757.1	\$ 0.0			\$ 25,757.1
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 39,955.5	\$ 52,513.7	\$ 52,513.7	\$ 13,526.4	\$ 4,749.1	\$ 8,777.3	\$ 38,987.3

ROUTE 1, BEACH AREA 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
20-125-01	Route 1, Beach Area Improvements									
	Area Legislative Committee Short Term Improvements	C	100% ST	\$ 500.0	\$ 0.0	\$ 500.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	A. Bay Vista Road Intersection Improvements	C	100% ST	300.0	300.0	0.0	0.0	0.0	0.0	0.0
	B. Beach Area Park and Ride	LOC, ENV	100% ST	30.0	30.0	0.0	0.0	0.0	0.0	0.0
		PE	100% ST	110.0	0.0	110.0	0.0	0.0	0.0	0.0
		RW	100% ST	2,400.0	0.0	0.0	0.0	2,400.0	0.0	0.0
		C	80% FHWA	3,000.0	0.0	0.0	0.0	0.0	3,000.0	0.0
	C. Georgetown to Lewes Rail to Trail Conversion (Study)	PD	100% ST	500.0	0.0	0.0	0.0	500.0	0.0	0.0
	D. Lewes Boat Ramp	C	100% ST	4,400.0	0.0	4,400.0	0.0	0.0	0.0	0.0
23-125-02	E. Nassau Pedestrian / Bicycle Connection	LOC, ENV	100% ST	60.0	60.0	0.0	0.0	0.0	0.0	0.0
		PE	100% ST	90.0	90.0	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	100.2	100.2	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	1,000.0	0.0	1,000.0	0.0	0.0	0.0	0.0
24-125-01	F. Rehoboth Entrance Improvements	LOC, ENV	100% ST	40.0	40.0	0.0	0.0	0.0	0.0	0.0
	SR 1 / SR 1A Intersection Improvements	PE	100% ST	1,800.0	300.0	1,500.0	0.0	0.0	0.0	0.0
		RW	100% ST	1,000.0	1,000.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	7,950.0	0.0	0.0	0.0	0.0	7,950.0	0.0
	Rehoboth Entrance Improvement Study	PD	100% ST	1,000.0	0.0	0.0	1,000.0	0.0	0.0	0.0
23-125-01	G. Rehoboth to Lewes Bicycle Path	C	100% ST	500.0	500.0	0.0	0.0	0.0	0.0	0.0

ROUTE 1, BEACH AREA 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
	Route 1, Beach Area Improvements (Continued)									
24-125-02	H. S266, New Road from Nassau to S267, Pilottown Road - Shoulder Improvements	PD	100% ST	85.0	85.0	0.0	0.0	0.0	0.0	0.0
		PE	100% ST	200.0	0.0	200.0	0.0	0.0	0.0	0.0
		RW	100% ST	400.0	0.0	0.0	0.0	400.0	0.0	0.0
		C	80% FHWA	2,000.0	0.0	0.0	0.0	0.0	0.0	2,000.0
	I. SR 1, Coastal Highway, Connector Road, Rehoboth Entrance to North of US 9 (Nassau)	PD	100% ST	1,506.2	0.0	0.0	1,006.2	500.0	0.0	0.0
20-013-04	J. SR 1, Coastal Highway from Bedford Avenue to Houston Street, and SR 1A from SR 1 to Silver Lake, Dewey Beach Pedestrian / Bicycle Improvements	PE	80% FHWA	1,000.0	250.0	0.0	750.0	0.0	0.0	0.0
24-013-01		RW	80% FHWA	1,000.0	0.0	0.0	0.0	1,000.0	0.0	0.0
		C	80% FHWA	8,000.0	0.0	0.0	0.0	0.0	8,000.0	0.0
22-125-01	K. SR 1, Coastal Highway, (Southbound Third Lane), SR 24 to North of US 9 (Five Points)	LOC, ENV	100% ST	190.0	190.0	0.0	0.0	0.0	0.0	0.0
		PE	100% ST	794.8	794.8	0.0	0.0	0.0	0.0	0.0
		RW	100% ST	2,352.3	0.0	1,854.9	497.4	0.0	0.0	0.0
		C	80% FHWA	8,246.4	0.0	0.0	8,246.4	0.0	0.0	0.0
23-122-01	L. SR 1, Coastal Highway, S 12, Wescoats Corner Road, S 18, Savannah Road, Triangle Improvements	PD	100% ST	500.0	0.0	500.0	0.0	0.0	0.0	0.0
		RW	100% ST	958.8	958.8	0.0	0.0	0.0	0.0	0.0
	M. US 9 / SR 1 (Five Points) Interchange (Study)	PD	100% ST	500.0	0.0	0.0	500.0	0.0	0.0	0.0
	Total All Funds			\$ 52,513.7	\$ 4,698.8	\$ 10,064.9	\$ 12,000.0	\$ 4,800.0	\$ 18,950.0	\$ 2,000.0

SR 1, COASTAL HIGHWAY, DEWEY BEACH TO REHOBOTH AND LEWES CANAL, IMPROVEMENTS

PROJECT SCOPE/DESCRIPTION: This project will involve the construction of sidewalks on both sides of SR 1, Coastal Highway; median modifications; pavement and drainage improvements; and intersection improvements, including the installation of a new traffic signal at the intersection of Bayard Avenue and SR 1. The project limits are from Saulsbury Street to the Lewes and Rehoboth Canal. Pavement rehabilitation along the length of the roadway will also be undertaken.

The construction on this project was delayed during the 2004 winter, and stopped before Memorial Day 2004. Final completion including pavement resurfacing will begin after Labor Day 2004.

PROJECT JUSTIFICATION: This project will improve pedestrian safety and make needed roadway improvements.



County: Sussex
Municipality: Dewey, Rehoboth
Funding Program: Road System - Arterials
Functional Category: Management
Representative District: 14, 38
Senatorial District: 20



SR 1, COASTAL HIGHWAY, DEWEY BEACH TO REHOBOTH AND LEWES CANAL, IMPROVEMENTS (CONTINUED)

Current Condition



Proposed Improvements



SR 1, COASTAL HIGHWAY, DEWEY BEACH TO REHOBOTH AND LEWES CANAL, IMPROVEMENTS (CONTINUED)

Current Condition



Proposed Improvements



SR 1, COASTAL HIGHWAY, DEWEY BEACH TO REHOBOTH AND LEWES CANAL, 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
SR 1, Coastal Highway, Dewey Beach to Rehoboth and Lewes Canal, Improvements		\$ 8,973.1						
Prior Years	State			\$ 2,729.9	\$ 2,381.4	\$ 2,381.4	\$ 0.0	\$ 348.5
	Federal			\$ 6,243.2	\$ 4,672.2	\$ 1,872.8	\$ 2,799.4	\$ 1,571.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004	State		\$ 8,973.1	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 348.5
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 1,571.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2005 Authorized	State			\$ 0.0				\$ 348.5
	Federal			\$ 0.0				\$ 1,571.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 348.5
	Federal			\$ 0.0				\$ 1,571.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 0.0				\$ 348.5
	Federal			\$ 0.0				\$ 1,571.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 0.0				\$ 348.5
	Federal			\$ 0.0				\$ 1,571.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 2,729.9	\$ 2,381.4			\$ 348.5
	Federal			\$ 6,243.2	\$ 4,672.2			\$ 1,571.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 8,973.1	\$ 8,973.1	\$ 8,973.1	\$ 7,053.6	\$ 4,254.2	\$ 2,799.4	\$ 1,919.6

SR 1, COASTAL HIGHWAY, DEWEY BEACH TO REHOBOTH AND LEWES CANAL, 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
20-013-03	SR 1, Coastal Highway, Dewey Beach to Rehoboth and Lewes Canal, Improvements	PE	100% ST	\$ 184.1	\$ 184.1	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	985.0	985.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	7,804.0	7,804.0	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 8,973.1	\$ 8,973.1	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

SR 1, COASTAL HIGHWAY, SR 30, CEDAR CREEK ROAD, INTERCHANGE, SOUTH OF MILFORD

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 30 and S206, Cedar Neck Road. This project will connect with the recently completed roadway from Business Route 1 and SR 30. The project will also include limiting access along S206, Cedar Neck Road to right-in or right-out only access.

PROJECT JUSTIFICATION: This intersection has been targeted as a high accident-prone intersection. The improvements will enhance safety and preserve capacity along the SR 1 corridor eliminating the need for signalization at this intersection.



County: Sussex
Municipality:
Funding Program: Road System – Arterials
Functional Category: Management
Representative District: 36
Senatorial District: 18



SR 1 and SR 30, South of Milford



SR 1, COASTAL HIGHWAY, SR 30, CEDAR CREEK ROAD, INTERCHANGE, SOUTH OF MILFORD (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
SR 1, Coastal Highway, SR 30, Cedar Creek Road, Interchange, South of Milford		\$ 9,000.0						
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 2004	State		\$ 8,200.0	\$ 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			\$ 1,000.0				\$ 1,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 1,000.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007 Projected	State			\$ 1,200.0				\$ 2,200.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2008-2010 Projected	State			\$ 1,200.0				\$ 3,400.0
	Federal			\$ 4,800.0				\$ 4,800.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 3,400.0	\$ 0.0			\$ 3,400.0
	Federal			\$ 4,800.0	\$ 0.0			\$ 4,800.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 9,000.0	\$ 8,200.0	\$ 8,200.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 8,200.0

SR 1, COASTAL HIGHWAY, SR 30, CEDAR CREEK ROAD INTERCHANGE, SOUTH OF MILFORD (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008 -2010
	SR 1, Coastal Highway, SR 30, Cedar Creek Road, Interchange, South of Milford	PE	100% ST	\$ 1,000.0	\$ 0.0	\$ 0.0	\$ 1,000.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	1,200.0	0.0	0.0	0.0	0.0	1,200.0	0.0
		C	80% FHWA	6,000.0	0.0	0.0	0.0	0.0	0.0	6,000.0
	Total All Funds			\$ 8,200.0	\$ 0.0	\$ 0.0	\$ 1,000.0	\$ 0.0	\$ 1,200.0	\$ 6,000.0