
UPDATE

**Application to the
South Carolina
Transportation Infrastructure Bank**

**SUBMITTED BY:
DORCHESTER COUNTY
SOUTH CAROLINA**

NOVEMBER 20, 2006

APRIL 27, 2011

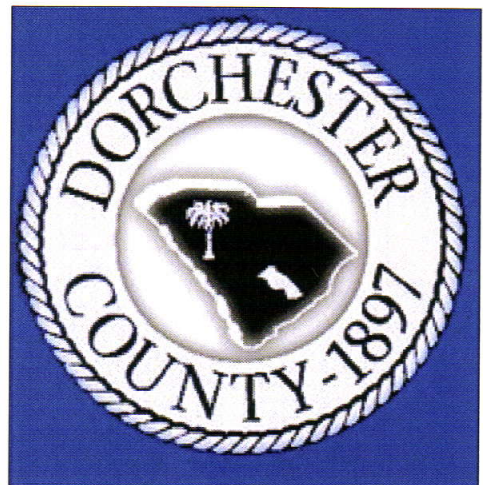


TABLE OF CONTENTS

BACKGROUND.....	2
DESCRIPTION OF PROJECTS.....	4
Project 1: Berlin G. Myers Parkway	9
Project 2: SC 642.....	11
Project 3: SC 165.....	13
Project 4: US 78.....	15
Project 5: Orangeburg Loop.....	18
PUBLIC BENEFIT.....	20
Traffic Studies/Traffic Volumes.....	20
Urgency of Projects/Projected Population Growth.....	22
Resolutions of Support.....	23
FINANCIAL PLAN.....	24
Cost of Projects	24
Assistance Requested.....	25
Local Funding Sources.....	25
Type of Assistance Requested.....	25
Schedule of Revenues and Expenditures.....	25
Project Useful Life.....	28
Project Maintenance.....	28
Project Priorities.....	28
PROJECT APPROACH.....	28
Project Schedule.....	28
Current Project Status.....	31
Potential Obstacles.....	32
Responsible Entity.....	32
APPENDIX.....	33



**UPDATE
DORCHESTER COUNTY APPLICATION
FOR FINANCIAL ASSISTANCE
FROM THE
SOUTH CAROLINA TRANSPORTATION INFRASTRUCTURE BANK (SIB)**

Dorchester County is updating its application for financial assistance to construct and improve transportation facilities throughout Dorchester County as specified in *Local Question Number 1* on the November 2, 2004 Dorchester County ballot.

BACKGROUND

November 20, 2006, Dorchester County submitted an application for funding to the SIB. January 26, 2007, the SIB Board visited Dorchester County to view the proposed projects. November 27, 2007, Dorchester County made their formal presentation to the SIB and was approved for grant funding in the amount of \$213.2 million, subject to availability of new funds to the SIB. (See minutes of SIB meeting in Appendix A.)

In early 2004 Dorchester County officials and concerned citizens recognized the need to improve transportation in Dorchester County. In May 2004, the Dorchester County Citizens Committee was appointed to study needed transportation improvements and establish highway construction and maintenance requirements for roads, except interstate routes, in Dorchester County. The membership of the committee was established by the Dorchester County Council and mayors of towns and cities within the county. The membership was composed of one member from each district and one member from each town and city.

At the June 27, 2004 meeting, the committee unanimously agreed upon a list of 22 identified road projects to be undertaken at an estimated cost of \$163.1 million dollars. This list of projects, along with a 1¢ proposed sales tax increase, was presented to the Dorchester County voters as *Local Question Number 1* on the November 2, 2004, Dorchester County ballot. The question was approved by the voters.

Since the 1¢ sales tax referendum passed in November 2004, Dorchester County established the Dorchester County Sales Tax Transportation Authority (DCTA) and this group began executing the development, design and construction of the 22 projects. During this process the DCTA partnered with the South Carolina Department of Transportation (SCDOT) in the development of an Intergovernmental Agreement (IGA) since a majority of the projects involved improvements to state owned roads. The IGA was signed on June 29, 2006 between the SCDOT and the DCTA.

Since early 2005, the DCTA and the design team have been diligently working on all 22 projects. During the project development process, detailed studies have been performed and show that some of the 22 projects, as originally scoped, will not provide acceptable results. Due to increased traffic projections, design modifications and construction escalation, the estimated cost to complete the 22 projects on the list is now \$359.56 million, which creates a significant shortfall in funding.



The 1¢ Sales Tax referendum allowed the sale of bonds to generate a maximum of \$125 million for the Dorchester County Sales Tax Transportation Authority Road Improvement Program (Program).

Since the original funding request from the SIB, through the efforts of Dorchester County, in cooperation with the SCDOT the following additional sources of funding have been allotted to the Program:

Federal Guideshare	\$21.2 million
Earmark	\$ 6.6 million
ARRA Funds	\$ 1.0 million
ARRA Replacement Funds	\$14.6 million
Safety Funds	\$ 3.2 million
2011 Federal Match Program	\$ 8.0 million
North Charleston Area Contributions	\$1.96 million
Interest & Additional Tax Collection	\$24.0 million

It is anticipated that Rural Guideshare Funding will be available to the Program in the amount up to \$4.8 million/year. The Program plans to accumulate \$20 million from this funding source.

The 1¢ Sales Tax proceeds combined with the above described additional funding, yields an updated funded program amounting to \$225.56 million. Therefore, Dorchester County now has a \$134 million shortfall in the program, which is the basis for this application update.

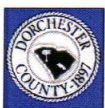
As previously stated, since the original application of November 20, 2006, Dorchester County has diligently been working on their Program and pursuing additional sources of funding wherever possible. This effort demonstrates the local commitment to these projects, and the additional funding secured results in a \$79.2 million reduction in the original grant request from the SIB.

The following pages describe the projects, update the project statuses, update cost estimates, demonstrate current financing assumptions, and demonstrate program approach.

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DESCRIPTION OF PROJECTS/ BRIEF STATUS

The Dorchester County Citizens Committee on June 27, 2004, unanimously agreed upon the following list of 22 projects to be undertaken. On November 2, 2004, Dorchester County voters agreed to a 1¢ sales tax to fund this list of 22 projects:

1. Complete construction of Berlin G. Myers Parkway from SC 165 to US 17A.
Status: Right-of-way acquired; construction plans and specifications completed; waiting on FEMA approval and U.S. Army Corps of Engineers permit.
2. Apply required safety design, construct 6.6 miles, three (3) lane-passing lanes in sections and improve intersections at Jedburg (Road S-18-58) and Deming Way Road (S-18-789) on US 78 from SC 165 to beginning of four (4) lane section in St. George. Total length 24.59 miles.
Status: Phase 1: From near S-18-167 (Sugarhill Road) in St. George to approximately 0.8 miles west of US 178 (11.47 miles)-Under Construction.
Phase 2: From approximately 0.8 miles west of US 178 to near S-22 (Orangeburg Road) (8.2 miles)-Environmental Assessment (EA) Document and Right-of-Way Plans being prepared.
Phase 3: From near S-22 (Orangeburg Road) to near S-165 (W. Richardson Ave.) (5.00 miles)-Environmental Assessment (EA) document and Right-of-Way Plans being prepared.
3. Widen existing two (2) lane section of four (4) lanes with left and right turn lane on SC 642 (Dorchester Road) from Oakbrook just west of Road S-18-199 to US 17A. Total length 5.3 miles.
Status: Bids received March 15, 2011; construction to begin May 2011
4. Widen existing 24-foot pavement to 28 feet and resurface US 178 from US- 78 to the Orangeburg County Line. Total length 15.2 miles.
Status: Complete
5. Widen existing 24-foot pavement to 28 feet and resurface US 15, from Grover to the Colleton County Line. Total length 3.4 miles.
Status: Complete
6. Widen existing 20-foot pavement to 24 feet and resurface Road S-18-13, Central Avenue, including intersection improvements at Road S-18-59 (Parsons Road) and replacement of Brick Arch Culvert and realignment of roadway at Road S-18-215. Total length 6.7 miles.
Status: Complete
7. Improve intersection of Road S-18-339 (Gahagan Road) and SC165-Berlin G. Myers Parkway.
Status: Complete



8. Widen Road S-18-22, Orangeburg Road from existing 20-foot pavement to 24-foot pavement and resurface from SC 642 (Dorchester Road) to Berkeley County line. Include intersection improvements at Road S-18-35. Total length 9.39 miles.
Status: Complete
9. Resurface street and roads in and adjacent to the Town of Harleyville and repave and reconstruct deteriorated sections of concrete sidewalk to ADA Standards. Resurfacing – 9.11 miles; sidewalk rehabilitation – 1.74 miles.
Status: Complete
10. Resurface streets in the Town of Ridgeville and remove existing asphalt sidewalks and construct sidewalks to ADA Standards. Sidewalks -1.63 miles; resurfacing – 2.79 miles.
Status: Complete
11. Resurface streets and roads in and adjacent to the Town of St. George. Total length 6.18 miles.
Status: Complete
12. Extend Old Fort Road (S-18-662) from Old Fort Estates to Ladson Road (S-18-230). Length 1.2 miles.
Status: Complete
13. Traffic Study and intersection improvements on SC 642 (Dorchester Road) at Robert Bosch Plant.
Status: Complete
14. Pave 260 miles of County and State (SCDOT) dirt roads.
Status: Under Construction
15. Resurface and improve 0.93 miles of Industrial Road (S-18-194) and S-18-84. Total length 9.40 miles.
Status: Complete
16. Resurface and widen SC 453 at intersection of Interstate 26 from Circle Cement Plant to S-18-50.
Status: Complete
17. Future Drive from American LaFrance to Westcott.
Status: Complete
18. Old Fort Road – Oakbrook Elementary School to Palmetto Commerce Parkway.
Status: Removed from Program
19. Patriots Blvd. from Appian Way to Wescott.
Status: Complete



20. Widen SC 165 (Bacons Bridge Road) from two (2) lanes to four (4) lanes with center turning lanes from end of 4-lane section to SC 61. Includes intersection alignment at Mikel Drive (S-18-505) and Edisto Drive (S-18-260). Length 4.0 miles.

Status: Right-of-Way acquisition and preparation of construction plans and specifications underway.

21. Lincoln Blvd. from SC 642 (Dorchester Road) to Road S-18-62 (Ashley Phosphate Road).

Status: Complete

22. Intersection improvements on SC 642 (Dorchester Road) at Indigo Fields Subdivision.

Status: Complete

In the original SIB Application of November 20, 2006, and approved November 27, 2007, financial assistance was requested to enable five (5) of the major projects to be constructed. Since that time, in an effort to keep the projects progressing, additional sources of funding were secured, scope reductions were implemented, and funding was reallocated between projects. Following are the five (5) projects, their current descriptions, and current cost estimates.

1. Complete construction of Berlin G. Myers Parkway from SC 165 to US 17A. Length: 3.3 miles; cost: \$56.9 million.
2. Widen SC 642 (Dorchester Road) from two (2) lanes to five (5) lanes from Oakbrook just west of Road S-18-199 (Trolley Road) to US 17A. Length: 5.3 miles; cost: \$34.4 million. (Scope of project was reduced.)
3. Widen SC 165 (Bacons Bridge Road) from two (2) lanes to five (5) lanes from end of the existing four (4) lane section to new Ashley Ridge High School. Total Length: 6.5 miles; cost: \$44.0 million.
(From existing 4-lane section to SC 61: Length: 4.0 miles; cost: \$33.0 million)
(From SC 61 to new Ashley Ridge High School: Length: 2.5 miles; cost: \$11.0 million)
4. Widen US 78 from two (2) lanes to five (5) lanes in certain sections and apply required safety design from S-65 (W. Richardson Avenue) in Summerville to the beginning of the existing four (4) lane section in St. George. Total Length: 24.67 miles; cost: \$65.9 million.
(Phase 1: Length: 11.47 miles; cost: \$11.0 million)
(Phase 2: Length: 8.20 miles; cost: \$21.2 million)
(Phase 3: Length: 5.00 miles; cost: \$33.7 million)
5. Orangeburg Loop: Widen Road S-18-22 (Orangeburg Road) from two (2) lanes to five (5) lanes from SC 642 (Dorchester Road) to S-18-58; widen S-18-58/S-8-16 from two (2) lanes to five (5) lanes to I-26. Length: 9.3 miles; cost \$65.0 million.



Four of the five projects, although with minor scope variations, were included on the list from the Dorchester County Citizens Committee and subsequently approved by the Dorchester County voters on November 2, 2004. The fifth project, Orangeburg Loop, is included in the Capital Improvement Plan (CIP) for Dorchester County (November 23, 2010).

These five (5) projects are shown in **Figure 1**.



FINANCIAL PLAN

Cost of Projects

Based on preliminary estimates, the total cost of the 22 projects in the Dorchester County program, plus the Orangeburg Loop, is \$359.56 million. The 1¢ Sales Tax Referendum allows the sale of bonds to generate a maximum of \$125 million. These bond funds, combined with the previously described additional funding, yield an updated funded program amounting to \$225.56 million. Therefore, Dorchester County now has a \$134 million shortfall in the program, which is the basis for this updated application. Dorchester County is requesting \$134 million in assistance from the SIB to complete their program. This is 37.3% of the entire program (62.7% match).

Dorchester County is requesting the financial assistance to apply to the five major projects previously described.

Table 3
Estimates for the Five (5) Major Projects

Project	Termini	Length (miles)	Cost (\$millions)
1. Berlin G. Myers Parkway	SC 165 to US 17A	3.3	56.9
2. SC 642 (Dorchester Road)	S-18-199 to US 17A	5.3	34.4
3. SC 165 (Bacons Bridge Road)	Existing 4 lanes to New High School	6.5	44.0
4. US 78	S-18-65 to St. George	24.5	65.9
5. Orangeburg Loop	SC 642 to I-26	9.3	65.0
		Total	266.2



Assistance Requested

The amount of assistance requested from the SIB is \$134 million as shown in **Table 4**. The balance required for the projects will be provided from funding sources below.

Table 4
Funding Sources

Source	Amount (\$millions)	Percent
State Infrastructure Bank	\$134	37.3%
Local Sales Tax Bonds	\$125.0	34.8 %
Excess Tax Revenue and Interest	\$24.0	6.7%
North Charleston Area Contributions	\$1.96	0.5%
Federal Guideshare	\$21.2	5.9%
Earmarks	\$6.6	1.8%
ARRA Funds	\$1.0	0.3%
ARRA Replacement Funds	\$14.6	4.0%
Safety Funds	\$3.2	0.9%
2011 Fed. Match Program	\$8.0	2.2%
Rural Guideshare	\$20.0	5.6%
Total	\$359.56	100%

Local Funding Sources

Dorchester County voters have already passed a 1¢ sales tax that will generate \$125 million for these projects. The interest and excess tax collections will generate \$24 million. Contributions from the North Charleston area total \$1.96 million.

Type of Assistance Requested

Dorchester County requests that the funding from the SIB be in the form of a \$134 million grant. The money generated from the 1¢ sales tax and the other sources of funding previously described will provide the remaining 62.7% of the programs costs.

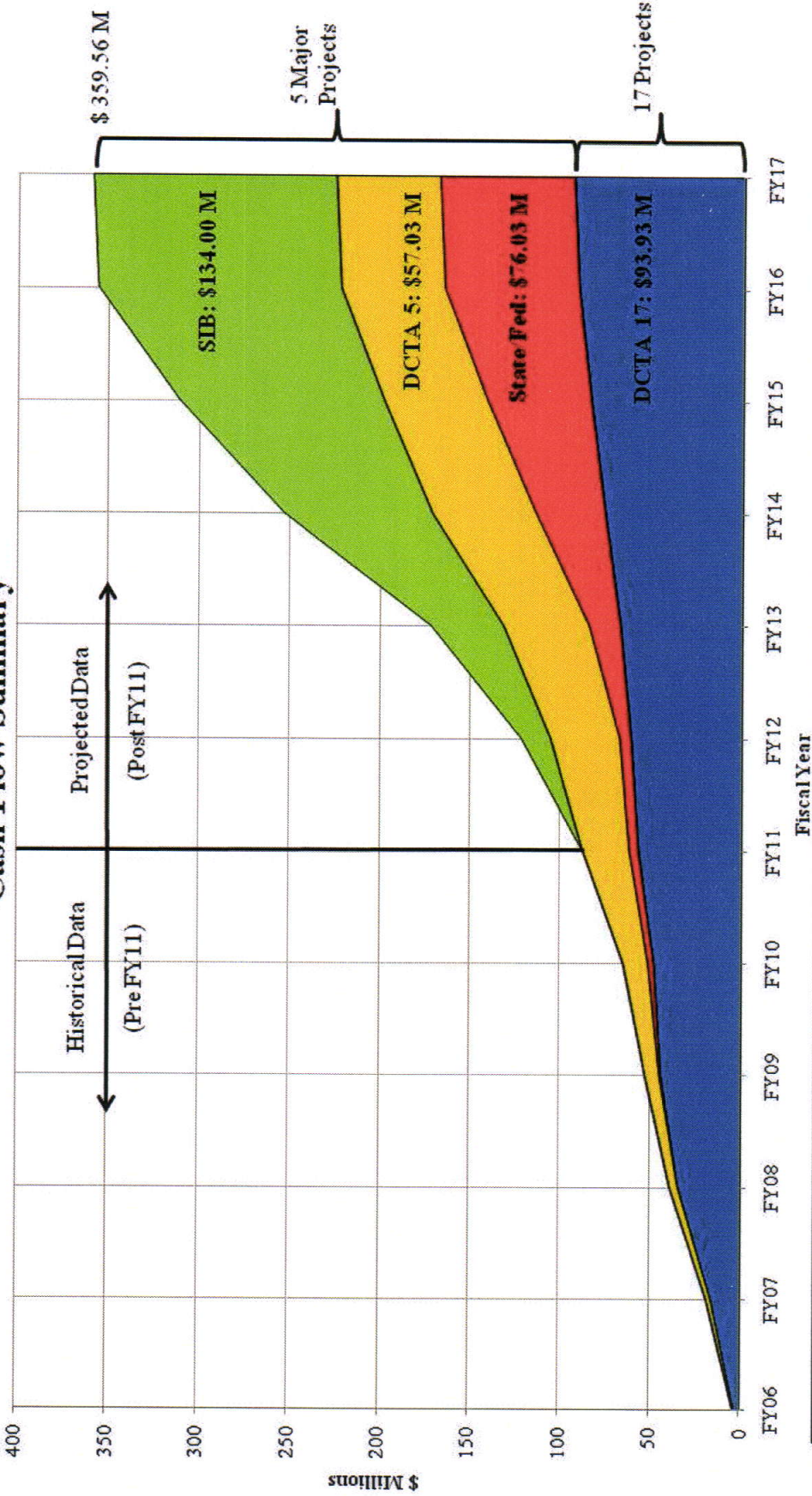
Schedule of Revenues and Expenditures

Dorchester County has been collecting the sales tax and the majority of the projects are underway. Figures 7 and 8 show funding that has already been spent, the projected expenditures, and when the funding assistance will be needed from the SIB. Additionally, Figures 7 and 8 illustrate that the current Program will exhaust all of the \$125 million sales tax revenue and the other sources of funding without the program being completed. Some funding is needed now, or in the coming months, to either begin development of certain projects or continue the development of others. The funding for construction could come in subsequent years.





Cash Flow Summary



- SIB - State Infrastructure Bank grant funds
- DCTA 5 - Dorchester County funds for the five (5) Major Projects that would receive SIB funds
- State/Fed - Funds from CHATS Guideshare and Earmark, ARRA and ARRA Replacement, Safety Funds, 2011 Federal Match Program and Rural Guideshare
- DCTA 17 - Dorchester County funds for the seventeen (17) projects that would not receive SIB funds

Figure 7



Cash Flow Summary (*Million)

Funding Source

	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total
SIB	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16.00	\$24.00	\$42.00	\$31.00	\$21.00	\$0.00	\$134.00
DCTA (S)	\$0.29	\$1.89	\$2.05	\$3.40	\$5.91	\$11.86	\$12.63	\$9.00	\$10.00	\$0.00	\$0.00	\$0.00	\$57.03
State/Fed	\$0.00	\$0.00	\$0.15	\$0.89	\$2.44	\$1.86	\$1.26	\$11.00	\$21.00	\$19.00	\$17.00	\$0.00	\$74.60
DCTA (I7)	\$3.30	\$13.16	\$18.28	\$9.56	\$4.02	\$8.78	\$4.18	\$6.00	\$8.65	\$8.00	\$7.00	\$3.00	\$93.93
Total	\$3.59	\$15.05	\$20.48	\$13.85	\$12.37	\$22.50	\$34.07	\$50.00	\$81.65	\$58.00	\$45.00	\$3.00	\$359.56

Project Requirements

	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total
5 Major	\$0.29	\$1.89	\$2.20	\$4.29	\$8.35	\$13.72	\$29.89	\$44.00	\$73.00	\$50.00	\$38.00	\$0.00	\$265.63
17 Minor	\$3.30	\$13.16	\$18.28	\$9.56	\$4.02	\$8.78	\$4.18	\$6.00	\$8.65	\$8.00	\$7.00	\$0.00	\$90.93
Total	\$3.59	\$15.05	\$20.48	\$13.85	\$12.37	\$22.50	\$34.07	\$50.00	\$81.65	\$58.00	\$45.00	\$3.00	\$359.56

DCTA Funds

	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17
DCTA funds	\$3.59	\$15.05	\$20.33	\$12.96	\$9.93	\$20.64	\$16.81	\$15.00	\$18.65	\$8.00	\$7.00	\$3.00
Cumm.	\$3.59	\$18.64	\$38.97	\$51.93	\$61.86	\$82.50	\$99.31	\$114.31	\$132.96	\$140.96	\$147.96	\$150.96*

*Includes \$1.96M North Charleston area contributions

Figure 8

Project Useful Life

See Cooperative Intergovernmental Agreement in **Appendix A**.

Project Maintenance

See Cooperative Intergovernmental Agreement in **Appendix A**.

Project Priorities

Priorities for receiving SIB funding for the five major projects are established based on “keeping the pump primed” so that a funding shortfall would not occur and result in a project being inactivated. So far DCTA has been able to keep all of their projects moving forward simultaneously, thanks primarily to the assistance of the SCDOT in securing additional funding. But now DCTA is approaching a critical point where progress on these much needed projects will have to be curtailed due to funding shortfalls. The following **Table 5** projects a funding priority that would keep all of the five major projects moving forward to their completion:

Table 5
Funding Priorities

Project	Funding Amount	When Needed
Project 3: SC 165 Improvements*	\$14 Million	3 rd Quarter 2011
Project 4: US 78 Improvements Phase 3	\$34 Million	4 th Quarter 2011
Project 5: Orangeburg Loop Improvements	\$65 Million	3 rd Quarter 2011
Project 1: Berlin Myers Parkway Phase 3	\$21 Million	4 th Quarter 2011
Project 2: SC 642 Improvements	Funded	
Total	\$134 Million	
*Includes segment to new Ashley Ridge High School		

PROJECT APPROACH

Since Dorchester County passed the 1¢ sales tax on November 2, 2004 and begun collecting revenues, preliminary engineering has begun on all the 22 projects listed in the bond referendum. Most of the smaller projects have already been completed. No preliminary engineering has begun on the Orangeburg Loop project as described in this application. Each project will include preliminary engineering/environmental, right-of-way acquisition, and construction.

Project Schedule

The estimated time frame for completion of each major activity for the 5 major projects is shown in **Table 6**.

The implementation schedule is illustrated in **Figure 9**

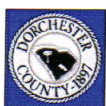


Table 6
Project Completion Schedule

Project/Activity	Start	End
Project 1: Berlin G. Myers Parkway		
Preliminary Engineering/Environmental		Complete
Right-of-Way		Complete
Construction	Ready-Waiting on Permits	
Project 2: SC 642		
Preliminary Engineering/Environmental		Complete
Right-of-Way		Complete
Construction	To start June 2011	November 2013
Project 3: SC 165 Phases 1 & 2		
Preliminary Engineering/Environmental		Complete
Right-of-Way	Underway	4 th Quarter 2012
Construction	4 th Quarter 2011	3 rd Quarter 2014
Project 3: SC 165 to New High School		
Preliminary Engineering/Environmental	Underway	2 nd Quarter 2012
Right-of-Way	2 nd Quarter 2012 (Unfunded)	1 st Quarter 2013
Construction	2 nd Quarter 2013 (Unfunded)	4 th Quarter 2014
Project 4: US 78 Phase 1		
Preliminary Engineering/Environmental		Complete
Right-of-Way		Complete
Construction	Underway	Summer 2011
Project 4: US 78 Phase 2		
Preliminary Engineering/Environmental	Underway	4 th Quarter 2011
Right-of-Way	4 th Quarter 2011	4 th Quarter 2012
Construction	1 st Quarter 2013 (Unfunded)	2 nd Quarter 2015
Project 4: US 78 Phase 3		
Preliminary Engineering/Environmental	Underway	4 th Quarter 2011
Right-of-Way	4 th Quarter 2011 (Unfunded)	1 st Quarter 2013
Construction	1 st Quarter 2013 (Unfunded)	2 nd Quarter 2015
Project 5: Orangeburg Loop		
Preliminary Engineering/Environmental	1 st Quarter 2012 (Unfunded)	1 st Quarter 2014
Right-of-Way	1 st Quarter 2014 (Unfunded)	4 th Quarter 2015
Construction	4 th Quarter 2015 (Unfunded)	4 th Quarter 2018

Note: "Unfunded" means SIB funds or other funds (yet to be identified) are needed to continue project.



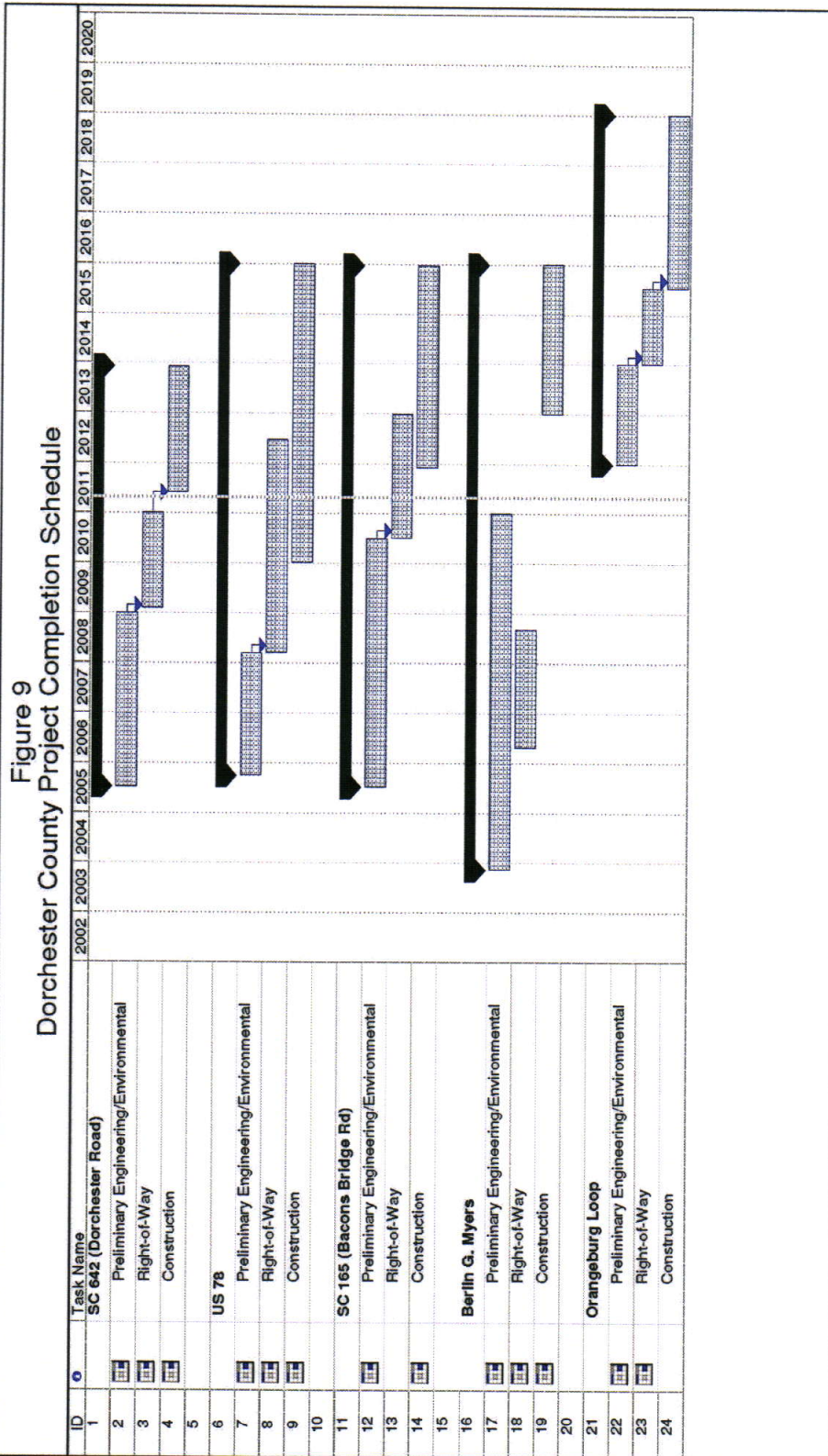


Figure 9

Current Project Status

All projects are being developed in compliance with the Federal National Environmental Policy Act of 1969 as amended, so they can remain eligible for Federal Funding.

Project 1: Berlin G. Myers Parkway

- Right-of-way acquisition complete
- Ready for construction
- Waiting on USACE permit and FEMA approval

Project 2: SC 642

- Construction to start June 2011

Project 3: SC 165 Phases 1 & 2

- Right-of-way underway
- Environmental permits(s) submitted
- Construction Bids - 4th Quarter 2011

Project 3: SC 165 to New High School

- Preliminary Engineering underway
- Public Information Meeting held June 3, 2010
- Additional funding needed to complete right-of-way drawings

Project 4: US 78 Phase 1

- Under Construction

Project 4: US 78 Phase 2

- Preliminary Engineering underway
- Public Hearing - 2nd Quarter 2011
- Right-of-way acquisition - 4th Quarter 2011

Project 4: US 78 Phase 3

- Preliminary Engineering underway
- Public Hearing - 2nd Quarter 2011
- Additional funding needed to begin right-of-way acquisition

Project 5: Orangeburg Loop

- Preliminary Engineering awaiting funding



Potential Obstacles

The projects have been selected, the Dorchester County voters have approved the 1¢ sales tax, the DCTA has been formed, collection of taxes has begun, and an IGA with SCDOT has already been signed. Coordination with the environmental resource agencies has begun as well. The only major obstacle to completing Dorchester County's Program is securing the necessary funding.

Responsible Entity

Dorchester County will be responsible for all aspects of the planning, design, right-of-way acquisition, and construction of the projects. SCDOT will assist Dorchester County in all aspects of the projects and will assume maintenance responsibility once the project has been constructed and accepted by SCDOT. Please refer to the IGA found in **Appendix A** if additional details are needed.

