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Transportation Infrastructure Upgrades in the South

A Compilation of State Plans for
Construction Near Nuclear Reactor Sites

March 1992

Prepared under
Cooperative Agreement DE-FC01-87CH10324
for the U.S. Department of Energy

by the

MASTER
Southern States Energy Board
3091 Governors Lake Drive, Suite 400
Norcross, Georgia 30071
(404) 242-7712/FAX: (404) 242-0421

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Introduction

There are currently 27 nuclear reactor sites located in the southern region. (*Nuclear Reactors Built, Being Built, or Planned: 1990*, Office of Scientific and Technical Information, U.S. Department of Energy [DOE/OSTI-8200-R54], July 1991, map insert). In many instances, the most practicable modes of transportation of spent nuclear fuel from these reactor sites are through the use of highway and rail systems. These two transportation modes have important differences that affect their applicability; chief among these, perhaps, is the fact that while highway systems are publicly owned and maintained, rail lines are owned by private entities. For this reason, track condition and maintenance, usage rates and other aspects of rail transport can vary widely.

Information on planned infrastructure changes is more readily available for state highway systems than for railroads. Moreover, plans for highway upgrades are often made five, ten or twenty years ahead of time. While these plans are often tentative and subject to change owing to political or fiscal considerations, they are usually quite comprehensive. Funding for projects, however, is normally determined on a yearly basis, so the potential for changes due to budgeting problems is substantial.

States and counties are the primary planners for road improvement planning, although the federal government has input through the allocation of resources. As the following pages demonstrate, coordination between the state and local levels varies from state to state, although problems sometimes exist. Most rural areas, where the majority of nuclear power sites are located, for example, do not possess comprehensive project priority lists as the state does. County commissions place individual county projects in the yearly budget after consultation with county road department officials. Circumstances make it difficult to include tentative county plans in the report; access to information on a yearly basis is available to the public.

Statement of Purpose

This report reviews southern state department plans for infrastructure upgrades in the vicinity of nuclear reactor sites. This report includes a summary of planned modifications to bridges, access highways, and rail spurs (where applicable) over the next five years. The information contained herein was gathered from interviews with officials within state departments of transportation. With few exceptions, the contact person was an official within the departmental planning division.

Note: There are no nuclear reactors in Kentucky, Oklahoma, West Virginia and Puerto Rico. Consequently, these states are not represented in this report.

Matrix of Planned Infrastructure Upgrades

	Bridge Construction	Bridge Modification	Bridge Replacement	Highway Construction	Interchange Upgrading	Repaving & Reconstruction	Safety & Spot Improvements	System Upgrading	Access to Railway Plans
Alabama	X		X		X			X	
Arkansas			X				X	X	
Florida	X	X	X	X	X	X	X	X	X
Georgia		X	X					X	
Louisiana								X	
Maryland							X	X	
Mississippi								X	
Missouri		X	X			X	X	X	
N. Carolina	X	X	X	X	X	X	X	X	X
S. Carolina				X		X	X	X	
Tennessee	X	X	X	X		X	X	X	
Texas						X	X	X	

Definition of Terms

Bridge construction means the building of a new bridge in the vicinity of a nuclear reactor site.

Bridge modification denotes alterations made to an existing bridge.

Bridge replacement means the complete replacement of an existing bridge.

Highway construction denotes the building of a new highway. The process may include any of the stages from designing and planning to actual construction and completion.

Interchange upgrading indicates the upgrading and/or construction of roads to improve highway access between two or more primary roadways.

Repaving and reconstruction indicates the repaving and/or reconstruction of existing roadways.

Safety and spot improvements denotes the upgrading of highways to improve safety. Installation of railroad crossings, traffic lights, stop signs and the widening of intersections are examples under this heading.

System upgrading includes all state activities, such as right-of-way acquisition, that lead to highway upgrades. Physical modifications may not be complete within the next five years.

Access to railway plans means that state departments of transportation (or their equivalents) have access to railway companies upgrading plans.

Section A: Alabama

MISCELLANEOUS FEDERAL-AID PROJECT PREFIX DESIGNATIONS

APD = Appalachian Development Highway
APL = Appalachian Local Access Road
FH = Project in a National Forest and designated as a Forest Highway.
ER = Project on any Federal-Aid System which needs Emergency Repairs.
A-AD = Army Access Defense Highway funded by the Department of Defense.
N-AD = Navy Access Defense Highway funded by the Department of Defense.
R-AD = Air Force Defense Highway funded by the Department of Defense.
QF = Advance funding for ROW project on the Primary System.
QM = Advance funding for ROW project on the Urban System.
QI = Advance funding for ROW on Interstate System.
RR = Railroad Demonstration Project.

FEDERAL-AID TITLE II SAFETY PROJECT PREFIX DESIGNATIONS

RRS = Rail/Highway crossing project/Unrestricted Type Work.
RRP = Rail/Highway crossing project/Protective Devices.
HES = Elimination of Hazardous Road Conditions.

OTHER CATEGORIES

DE = Demonstration-Discretionary Project
MA = Minimum Allocation Project. Funding designation would follow
MA, as MAF, MABRS, etc.
AHL = Access to Lakes (This is at Lake Lanier).

Edwin I. Hatch

GEORGIA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION WORK PROGRAM REPORT
LISTING OF PROJECTS BY COUNTY

PROJECT NUMBER COUNTY ITEM NUMBER	DESCRIPTION	REFERENCE	PROG DATE
MLP-4(99) APPLING 521790 FORMULA LGPA STATUS:BAXLEY SGN 3-6-89 UTIL:T&S REQ CITY PAY \$12,500 SIG 1-21-91	SR 4/US 1/BAXLEY FM OLD ALMA RD/TOLLISON ST N TO SR 27 MANAGER:PETE BLOCKER PE# RW#RZ-MLP-4(99) TYPE WORK-WIDEN, RECS, SIGNAL LENGTH---.62 MI. CONCEPT--- WID 4U	REFERENCE -- T.I.P. ----- SR 4 /US 1 STATUS AUTHORIZED	PE ROW 90-08 DOT CST FY-92 OTHER CST FY-92 CONG DIST-8
MLP-15(146) APPLING 521810 FORMULA LGPA STATUS:REQ CO DO ROW & UTIL 5-8-91: BAXLEY SGN 6-11-91 CITY UTILS.	WDN SR15 S/BAXLEY FM SATILLA CH RD TO 4-LN;SDEWLK TO FAIR ST MANAGER:PETE BLOCKER PE# RW# TYPE WORK-WIDEN & RECONSTRUCT LENGTH---- 1.08 MI. CONCEPT--- WID 4R	REFERENCE -- T.I.P. ----- SR 15 /US STATUS PRECST	PE ROW NO-NE DOT CST FY-92 OTHER CST FY-92 CONG DIST-8

Alvin W. Vogtle

GEORGIA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION WORK PROGRAM REPORT
LISTING OF PROJECTS BY COUNTY

PROJECT NUMBER COUNTY ITEM NUMBER	DESCRIPTION	REFERENCE -- T.I.P. ----- SR O /US STATUS	OUTSIDE UAB	PE ROW NO-NE DOT CST - OTHER CST - CONG DIST-8	PROG DATE
BHF-038-2(33) BURKE 22118X FORMULA LGPA STATUS:SIGNED 6/10/86 FOR UTILITIES ONLY. (SEE PI #221180)	SR 56 @ MCBEAN CREEK/SEE RICHMOND COUNTY MANAGER:JOHN BISHOP PE# RW#				
BHF-038-2(28) BURKE 221190 FORMULA LGPA STATUS:LGPA SIGNED BY CO 6-10-86 FOR UTILITIES	SR 56/SR 80 NE OF WAYNESBORO @ BRIER CRK MANAGER:C. NORRIS PE#BHF-038-2(28) RW#				
MABRF-BRF-041-1(9) BURKE 221320 FORMULA LGPA STATUS:BURKE SGN 11/10/87 & JENKINS SGN 11-4-87 FOR UTILITIES	SR 17 @ BARK CAMP & CHEW MILL CRKS/ALSO JENKINS CO MANAGER:C. NORRIS PE#BRF-041-1(9) RW#RZ-BRF-041-1(9)				
MABRF-BRF-041-1(10) BURKE 221325 FORMULA LGPA STATUS:BURKE CO SIGNED 11/10/87 FOR UTILITIES	SR 17 @ BAKER CRK MANAGER:C. NORRIS PE#BRF-041-1(10) RW#RZ-BRF-041-1(10)				
BRF-041-1(16) BURKE 221980 FORMULA LGPA STATUS:BURKE COUNTY SIGNED 11/13/90 FOR UTILITIES.	SR 17 @ BULL BRANCH MANAGER:C. NORRIS PE# RW#				
MABHS-BHS-1819(5) BURKE 230870 FORMULA LGPA STATUS:LGPA SIGNED BY CO 6-10-86 FOR UTILITIES	SR 56/ SPUR @ BOGGY GUT CREEK MANAGER:C. NORRIS PE#BHS-1819(5) RW#RZ-BHS-1819(5)				
SR-1819(6) BURKE 231020 FORMULA LGPA STATUS:BURKE SIGNED 4/24/89 FOR UTILITIES ONLY	SR 56 SPUR NB FM MP 4.25 - 5.45; SB MP 5.65 - 6.85 MANAGER:C. NORRIS PE# RW#RZ-SR-1819(6)				

GEORGIA DEPARTMENT OF TRANSPORTATION
CONSTRUCTION WORK PROGRAM REPORT
LISTING OF PROJECTS BY COUNTY

PROJECT NUMBER COUNTY ITEM NUMBER	DESCRIPTION	REFERENCE -- T.I.P. ----- SR 24 /US STATUS PRECST	PROG DATE
FR-014-1(56) BURKE 241710 FORMULA LGPA STATUS:REQ BURKE CO & CITY/WAYNESBORO DO UTILITIES 1-26-90	SR 24 FM SR 121/WAYNESBORO SE TO JUST E OF THE BYPASS TYPE WORK-WIDEN & RECONSTRUCT LENGTH---- 1.00 MI. CONCEPT--- WIDENING MANAGER:C. NORRIS PE# RW#	PE ROW FY-92 DOT CST FY-93 OTHER CST FY-93 CONG DIST-1	
EDS-555(3) BURKE 262150 FORMULA LGPA STATUS:COUNTY SIGNED 4-14-88 & CITY SIGNED 4-18-88 FOR UTILITIES	WAYNESBORO BYP FM SR 121 S/WAYNESBORO ON ESIDE TO SR 121 TYPE WORK-WIDEN & RECONSTRUCT LENGTH---- 4.63 MI. CONCEPT--- ADD ARMED-44 MANAGER:W. SCOTT PE#EDS-PESW(88) RW#EDS-555(3)	PE ROW 90-02 DOT CST FY-92 OTHER CST FY-92 CONG DIST-1	

Section E: Louisiana

Louisiana

In Louisiana, there are two commercial nuclear reactor sites: River Bend Station and Waterford Generating Station.

The River Bend site is located in West Feliciana Parish. U.S. 61, which extends from Baton Rouge to Natchez, Mississippi, is currently in the preconstruction stage. Right-of-way access is being purchased and construction will near completion in the next five years.

The Waterford site is located near Taft, Louisiana. Currently, there are no plans for highway access modification within the next five years for the Waterford site.

Officials of the Public Transit department were unaware of any planned railroad modification in the next five years.

Information concerning highway access modifications was taken from a telephone interview with Mr. Ted Stockwell, a planning official with the Louisiana Department of Transportation, on September 9, 1991.

Information concerning railroad access was taken from a telephone interview with Ms. Carol Tullier, Public Transit Administrator of the Louisiana Department of Transportation, on September 9, 1991.

Alabama

Alabama contains three commercial nuclear power reactor sites: Browns Ferry Nuclear Power Station, Joseph M. Farley Nuclear Plant and Bellefonte Nuclear Plant.

Located in Morgan County, the Browns Ferry plant has several plans for construction. A new bridge over Elk River on U.S. 72 is currently under construction. A new interchange at I-65 and Limestone County Road 24 is in the planning stage. Replacement of the Keller Memorial Bridge over the Tennessee River at Decatur is planned when funds are available.

The Joseph M. Farley site is located in Houston County. The only plans for upgrading is highway access on U.S. 84. U.S. 84 is currently being expanded to four lanes between Dothan and the Georgia state line.

The Bellefonte site is located in Jackson County. U.S. 72 is currently being four laned to the Tennessee state line. Between Scottsboro and Fort Payne, AL 35 will undergo four laning, with construction beginning on the Fort Payne end. If funds are available, bridges over the Tennessee River on AL 35 and AL 117 will be replaced in the next five years.

No rail spur modifications to the three sites were known by the Alabama Highway Department.

GUY HUNT
GOVERNOR

STATE OF ALABAMA HIGHWAY DEPARTMENT

MONTGOMERY, ALABAMA 36130

PERRY A. HAND
HIGHWAY DIRECTOR

October 3, 1991

Mr. J. Michael Martinez
Assistant Director Policy Analysis
Southern States Energy Board
3091 Governors Lakes Drive
Suite 400
Norcross, Georgia 30071

Dear Mr. Martinez:

This is in reply to your recent request for information on proposed surface transportation improvements in the vicinity of the three nuclear power reactors in Alabama.

We do not currently have any applications for railroad improvements in these areas. Our plans for road and bridge improvements which are, of course, subject to available funding are as follows:

1. Bellefonte Area - We plan to continue our four laning of US-72 to the Tennessee State Line. We will continue to work toward four laning AL No. 35 between Scottsboro and Fort Payne. This is presently under construction on the Fort Payne end. Bridges over the Tennessee River on AL No. 35 (old bridge) and AL No. 117 will be replaced when funds are available.
2. Browns Ferry Area - The new bridge over Elk River on US 72 is under construction. A new interchange at I-65 and Limestone Co. Rd. 24 is planned. The replacement of the Keller Memorial Bridge over the Tennessee River at Decatur is planned when funds are available.
3. Joseph M. Farley Area - We plan to continue our efforts to four lane US-84 between Dothan and the Georgia State Line.

I trust this information will adequately respond to your needs, however, if you need further details, please let me know.

Yours very truly,

Tom Espy, Jr.
Chief Engineer

THEjr:Rkb

Section B: Arkansas

Arkansas

The only commercial nuclear reactor site in the state of Arkansas is Russellville. Located in Pope County, there are five projects programmed over the next five years to improve highway access. In mid-1992, Highway T7 will be widened to four lanes from Russellville's Main Street to 4th Street. The remaining four projects are scheduled to be completed in FY 1993. Bridges and approaches on Highway 124 over Shiloh, Baker, DePartee and Gum Creek between Russellville and Moreland are to be replaced. The bridge and approach at Baker's Creek on Highway 7 approximately two miles north of Interstate 40 will also be replaced. Highway 64 will be widened to four lanes from Highway 326 West to Houston Avenue. Slightly over ten miles of Interstate 40 from Russellville to London will undergo rehabilitation.

Although there is railroad access to the Russellville site, there are no planned additions to railroad spurs.

ARKANSAS STATE HIGHWAY
AND
TRANSPORTATION DEPARTMENT

Maurice Smith, Director
Telephone (501) 569-2000

P.O. Box 2261
Little Rock, Arkansas 72203

September 9, 1991

Mr. Kevin Harris
Southern States Energy Board
3091 Governors Lakes Drive, Suite 400
Norcross, Georgia 30071

Dear Mr. Harris:

In response to your recent telephone conversation with Ed Fain, enclosed is a list of state highway and bridge projects in the Russellville area that are scheduled for improvement in the next five years. We are unaware of any planned additions to railroad spurs at this time.

I trust this information will be helpful to you.

Sincerely,

Steve Teague
Engineer of Programs
and Contracts Division

Enclosure

SBT:BB:ms

Projects Programmed in the Russellville Area

Projects totaling \$7.9 million are scheduled for improvement in the next five years on approximately 13 miles of state highways and city streets.

MAJOR PROJECTS PROGRAMMED INCLUDE:

- o Job 8900, Hwy. 124, Russellville - Moreland Strs. & Apprs.
Type Work: Bridge & Approaches
Estimated Award Date: FY '93
Estimated Cost: \$400,000
Funding: Federal Aid Bridge Replacement/State
Remarks: This project will replace four structures on Hwy. 124 over Shiloh, Baker, DePartee and Gum Creeks between Russellville and Moreland.
- o Job 8932, Hwy. 7, Baker's Creek Str. & Apprs.
Type Work: Bridge & Approaches
Estimated Award Date: FY '93
Estimated Cost: \$650,000
Funding: Federal Aid Bridge Replacement/State
Remarks: This project will replace the structure on Hwy. 7 approximately 2 miles north of Interstate 40.
- o Job 8951, Hwy. 7T Widening (Russellville) (0.30 mile)
Type Work: Major Widening
Estimated Award Date: Mid 1992
Estimated Cost: \$350,000
Funding: State
Remarks: This project will widen Highway 7T to four lanes from Main Street - 4th Street.
- o Job 8971, Hwy. 64, Hwy. 326 West - Southeast (2.50 miles)
Type Work: Major Widening
Estimated Award Date: FY '93
Estimated Cost: \$4 million
Funding: Federal-Aid Minimum Allocation/State
Remarks: This project will widen Hwy. 64 to four lanes from Hwy. 326 West (Marina Drive) to Houston Avenue.
- o Job R80039, I-40, London - Hwy. 331 (10.16 miles)
Type Work: Rehabilitation
Estimated Award Date: FY '93
Estimated Cost: \$6.5 million
Funding: Federal Aid Interstate 4R/State (Rural Road Program)
Remarks: This project will rehabilitate Interstate 40 from London to Russellville.

Section C: Florida

Florida

There are three commercial nuclear reactor sites in the state of Florida: Turkey Point, St. Lucie and Crystal River.

The Turkey Point Plant is located in the southern portion of Dade County. There will be several modifications to highways in the Florida City area in the next five years. The most prevalent means of improvement in the Florida City area is the widening of roads to three lanes. In 1991/92, construction will widen SW 182 Avenue from SW 344 Street to SW 312 Street. SW 328 will be widened from 187 Avenue to U.S. 1, also in 1992. SW 312 Street, from SW 187 Avenue to SW 177 Avenue, will also be widened during the same period. In 1992, 320 Street will begin preliminary engineering to be widened to three lanes from U.S. 1 to SW 187 Street. SW 328 Street will undergo construction in the same time period from U.S. 1 to SW 162 Avenue. In 1993/94, construction will widen SW 304 Street from U.S. 1 to SW 187 Avenue. The final highway construction project will begin in 1995, with SW 328 Street being expanded from SW 162 to SW 152 Avenue.

The Florida City area has additional projects in the next five years. Intersection improvements are scheduled from 1991 through 1993 and 1994 through 1996 at various locations on Krome Avenue at SW 304 Street and U.S. 1 at SW 328 Street. During the same period, various locations on East Mowry Drive/U.S. 1 to North Flagler Avenue will receive resurfacing. In addition to Franjo Road at Old Cutler Road, U.S. 1 at SW 344 Street and SW 216 Street will receive signalization in the same years as the two previous projects. The SW 256 Street Bridge, over Canal C-102, will be widened in 1992/93.

The St. Lucie site is located on Hutchinson Island in St. Lucie County. Highway access on Hutchinson Island is provided by SR A-1-A. Two lanes will be added from the South Bridge to the Fort Pierce City line, with construction beginning in fiscal year 1996/97.

The St. Lucie Metropolitan Planning Organization Transportation Improvement Program (TIP) has established a list of project priorities through fiscal year 1995/96. Preliminary engineering for two lane road construction on SR 70 from the Okeechobee County line to the metropolitan area will

begin in 1991/92. Preliminary engineering and right-of-way support will also commence in 1991/92 for two lane road construction on SR 70 from McCarth Road to Gordy Road. Beginning at Avenue Q and extending to SR 5, preliminary engineering to add lanes and reconstruct SR 615 will last from 1991 to 1993. The process will also improve SR 615 and SR 5/U.S. 1 from Edwards Road to Virginia Avenue, with preliminary engineering beginning in 1993/94.

A number of improvements are scheduled to improve highway access in 1995. The construction phase will begin reconstruction and lane additions in 1995 on SR 5/U.S. 1 from Port St. Lucie to Rio Mar Drive. The same process will begin in 1995 on SR 5/U.S. 1 from Port St. Lucie Boulevard to Rio Mar Drive. Construction on major intersection work will begin at the intersection of SR 5/U.S. 1/SR 68 and Avenue "C" in 1995. Completion of the planning and preliminary engineering stages from St. Lucie Boulevard to the Indian River County line on SR 5/U.S. 1 is scheduled for 1995. Completion of an engineering study on SR 713 from ST 70 at the Turnpike to SR 5 is scheduled for 1995.

Bridge construction over six water crossings will begin in the next five years. The bridge at Keen/North Jenkins Road is scheduled to be replaced in fiscal year 1993/94. Also in 1993/94, construction will replace the bridges on Orange Avenue at crossing C-24 and one mile east of the Okeechobee line. Replacement of the bridge at FPF-1 on Keen/North Jenkins Road will begin in fiscal years 1995 and 1996. The bridge on Floresta Drive at the Elkcam waterway is scheduled to be replaced in fiscal year 1996/97.

The Crystal River site is located in Citrus County. The majority of improvements which effect the Crystal River site are located on SR 44. Left turn lanes will be added at Eden Gardens Road in 1993. Lanes will be added and reconstructed for 4.642 miles from County Road 491 to six hundred feet east of Kennington Trail in 1994. In 1995, this will begin from SR 45/U.S. 1 and extend to County Road 470. Also in 1995, interconnection of SR 44 and SR 45 will be completed. Reconstruction and addition of lanes from County Road 486 to Loop Road will be in the construction phase during this period. In addition, hundred feet east of Kensington Terrace to 680 feet west of County Road 581 will undergo the same process.

Additional projects focus on three primary roads: SR 45, SR 55, and SR 200. SR 45, also US 41, will be resurfaced from the Hernando County line to County Road 48 beginning in 1993. For 16.865 miles, an environmental study will be conducted for expansion purposes from SR 44 West to the Marion County line. In 1997, another environmental study will extend from County Road 3GA

to SR 44 East. In the same year bridge number 020002, .25 mile north of Middle School Road, is scheduled to be replaced. SR 55 will be resurfaced from the Hernando County line to County Road 44 and from NW 7th Street to the Levy County line in 1993 and 1994, respectively. An environmental study will begin in 1995 on SR 200 from SR 45 to the Marion County line during the pre-engineering phase.

Railroad access information was unavailable from the Florida five year transportation plans.

Turkey Point

TRANSPORTATION IMPROVEMENT PROGRAM FISCAL YEAR 1992 EXECUTIVE SUMMARY

The Transportation Improvement Programs (TIP), a major document of the Metropolitan Planning Organization (MPO) for the Miami Urbanized area, specifies proposed transportation improvements to be implemented in Dade County over the coming five years. The primary emphasis of the TIP is on the FY 1992 biennial element. As required by federal regulations, projects receiving federal funds during the July 1, 1991, to June 30, 1992 time period are to be drawn from this biennial element. In addition, projects not using federal funds, but which are part of the area's program of improvements, are shown in the TIP. Projects shown for FY 1994 and beyond, regardless of their funding source, are included as proposed. While it is anticipated that most of these projects will be implemented as programmed, they will be periodically evaluated by the MPO as the TIP is updated or amended as necessary.

Included in the TIP are Highway, Transit, Aviation and Seaport improvements costing in excess of \$1.9 billion. Included are the following categories:

<u>Funding Summary - FY 1992 - 1996</u>		(\$ Millions)
<u>Highways - State Roads:</u>		
Primary	434	
Interstate	97	
Turnpike	59	
	590	31%
<u>Local Roads:</u>		
Secondary	87	
Road Impact Fee	48	
Private Sector	17	
Community Development	2	
	154	8%
Transit	228	12%
Tri-Rail	125	7%
Aviation	428	22%
Seaport	381	20%
TOTAL	1,908	100%

Some \$590 million are programmed for the five-year period between FY 1992 and 1996 for State Road projects. In addition to major highway capacity improvements, an extensive program to renovate and resurface a number of deteriorating roads and bridges are also included in the TIP.

The Secondary and Road Impact Fee Programs contain a number of key projects in the County Highway System costing some \$135 million. Aviation improvements involve Miami International, Opa-Locka and Tamiami airports. Transit improvements involve a broad range of public transportation services and facilities. Seaport improvements consist of numerous new port facilities and major renovations and improvements to existing facilities.

As required by recently enacted State legislation, the FY 1992 TIP also includes a section titled "Unfunded Priority Needs." This section lists MPO priorities in addition to those already programmed in the TIP. The priority listing was developed for inclusion in the Transportation Improvement Program as new revenues become available.

The MPO, in its role of preparing metropolitan transportation plans, will continue to assess critical transportation needs and priorities considered essential for the mobility of the urban population.

DADE COUNTY METROPOLITAN PLANNING ORGANIZATION TRANSPORTATION IMPROVEMENT PROGRAM FISCAL YEAR 1992 INTRODUCTION

PURPOSE This document is prepared every year to fulfill Federal statutory requirements which provide that, as a condition to receive Federal funding, each urbanized area will have a continuing planning process that results in plans and programs consistent with the comprehensively planned development of the urbanized area. This document programs transportation projects which serve that purpose. The priorities established by this document express the policy decision of the Metropolitan Planning Organization (MPO) as to the order in which transportation improvements will be advanced during the program period. This document also fulfills Federal requirements in that the included projects are derived from the area's Long-Range Transportation Plan for inclusion in the program.

TRANSPORTATION PLAN The Year 2010 Metro-Dade Transportation Plan was adopted under Resolution No. MPO 15-90 by the Metropolitan Planning Organization Board on November 20, 1990. Projects from the area's adopted MPO Transportation Plan have been included for advancement during this program period. A number of major activities are included: Extensions of METROMOVER, support facilities for METRORAIL, interstate highway projects, arterial street improvements, aviation and seaport facilities, and additional bus transit and paratransit improvements.

The recommended improvement priorities of the adopted Long-Range Transportation Plan provide the basis for preparing this document. The Plan presents the logical and systematically phased development of the area's transportation network and services to the year 2010.

Transportation System Management (TSM) projects are proposed to be continued or expanded during FY 1992. The Metro-Dade Secondary Road Program and Road Impact Fee Program contain projects that are supportive of the areawide TSM effort. These included traffic flow improvements, improvements to intersection geometrics, lighting safety projects, and other related projects which provide for greater safety and better management of traffic flow. TSM projects are consistently included in the preparation of project adopted proposals in keeping with the MPO's commitment to fully develop TSM as a policy and investment strategy.

The Year 2010 Transportation Plan stresses the achievement of long-standing and fundamental planning objectives. In addition to land-use considerations, the Plan addresses related issues involving the quality of the environment and the conservation of limited natural resources. These concerns are particularly important as revisions to the Comprehensive Development Master Plan (CDMP) are periodically considered.

COMPREHENSIVE DEVELOPMENT MASTER PLAN The fiscal year 1992 Transportation Improvement Program (TIP), as set forth in this document, is consistent with Dade County's recently adopted Comprehensive Development Master Plan (CDMP) for 2000 and 2010, by Ordinance 88-119, effective December 6, 1988. The adoption of the Plan was the culmination of a major effort to bring the CDMP into compliance with Chapter 163, Florida Statutes and the provisions of Chapter 9J-5, Florida Administrative Code. The CDMP contains eleven Plan elements, three of which specifically deal with Dade County's current and future transportation elements, including: Traffic Circulation, Mass Transit, and Port and Aviation. In addition, the Coastal Management element addresses the Deepwater Port Master Plan for the Port of Miami. Those highway capacity-type improvements on the County highway system, which are programmed in the TIP as Secondary Road Program projects, are also in the CDMP. Similarly, certain transit and aviation projects programmed in the TIP included in the Capital Improvements Element (CIE) 5-year schedule of improvements.

A key feature of the Traffic Circulation and Mass Transit Elements is the establishment of level-of-service standards to ensure that adequate facility capacity will be available with impacts of development for the purpose of issuing development orders. The ability to maintain these level of service standards will become a primary determinant for addressing relative priority among the various transportation improvement needs in the County.

AIR QUALITY IMPLICATIONS OF THE TIP In 1979, Dade County was designated by the Environmental Protection Agency (EPA) as a "Non-attainment" area for the national ozone standard. Non-attainment areas had to demonstrate attainment of national air quality standards by the end of 1982 or otherwise request a five-year extension. A Transportation Control Plan for Ozone was adopted by the local MPO in 1979 as part of the Florida State Implementation Plan (SIP) and has been periodically updated. A plan revision was adopted by the MPO in January, 1983.

The plan describes various transportation facilities and services, such as METRORAIL, Park-n-Ride transit lots, carpool lanes, and a computerized traffic control system which help reduce ozone levels.

The Metropolitan Planning Organization will continue to work closely with the Florida Department of Environmental Regulations and the Dade County Department of Environmental Regulations Management to achieve local compliance with national air quality standards. As a result of the compliance efforts undertaken, Dade County has shown a decrease in the number of ozone exceedances over the last several years. Continued compliance efforts in conjunction with implementation of new measures, such as the establishment of the Vehicle Inspection/Maintenance Program in 1991, should result in future compliance with ozone standards.

EFFICIENT ENERGY USAGE In accordance with national and regional urban transportation development goals, energy usage efficiency is an important policy objective within Metropolitan Dade County's Transportation Improvement Program. The County is engaged in a continuing effort to promote efficient energy usage.

PROGRAM FUNDING The TIP categorizes all transportation improvements and identifies priorities which establish multi-year fiscal programming. The biennial elements represent the list of projects which are proposed for implementation during the first program phase and is viewed as the "Capital Improvements" budget for transportation facilities. All amounts in this document represent thousands of dollars.

This TIP document identifies all sources of funding which are known or are anticipated to be available during the program period. Program costs are consistent with current estimates of available revenue. Priorities in the program are identified by relative staging of projects for implementation during a particular year, consistent with funding availability and production constraints.

**DADE COUNTY METROPOLITAN PLANNING ORGANIZATION
1992 TRANSPORTATION IMPROVEMENT PROGRAM
SUMMARY**

PROGRAM CATEGORIES	PROPOSED			TENTATIVE PROGRAM		
	%	1991-92	1992-93	1993-94	1994-95	1995-96
Primary Roads	22	120,225	77,800	90,298	57,540	88,264
Interstate	12	63,505	8,295	925	13,663	10,829
Turnpike	2	10,558	33,751	14,621	0	382
Secondary Roads FDOT / DL Bonds	5 2	25,295 10,810	14,300	12,950	12,600	11,350
Road Impact Fee	3	16,846	8,145	8,060	7,720	7,655
Private Sector	3	15,336	1,250	0	0	0
Community Development	1	1,780	0	0	0	0
Airport Development	28	148,424	71,570	101,888	60,045	46,950
Seaport Development	10	53,059	75,991	88,412	84,662	79,321
Tri-County Commuter Rail	4	21,825	35,205	36,511	31,876	0
Multimodal Transit Improvements	8	41,574	32,873	44,221	54,212	55,045
TOTALS	100	529,237	359,180	397,886	322,318	298,786

DADE COUNTY METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION IMPROVEMENT PROGRAM
ROAD IMPACT FEE

ROAD IMPACT FEE												
PROJECT DESCRIPTION			TYPE OF WORK	PROPOSED		TENTATIVE THREE YEAR PROGRAM				Env. Code	Map No.	
				1991-92	1992-93	1993-94	1994-95	1995-96				
Project Number	Length (Mi.)		2 to 4 Lanes and culvert crossing	CEI 45 CST 850						S	15	
671502	SW 152 Street/ SW 142 Avenue to SW 147 Avenue											
671504	SW 184 Street/ SW 97 Avenue to Old Cutler Road		2 to 4 lanes with striped median	R/W 150 CST 400	R/W 150 CST 400	CST 400	CST 300			S <th>16</th>	16	
TRAFFIC CONTROL DEVICES			Signalization	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100			
SW 56 Street @ SW 132 Avenue & SW 137 Avenue (W.O. issued) (Various Locations)												
TOPICS			Intersection Improvements	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100			
SW 97 Avenue @ SW 104 Street (Various Locations)												
RESURFACING (Various Locations)			Paving, Widening and Striping	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100	PE 5 CEI 5 CST 100			
Engineering Administration				150	70	70	70	70	70			
TOTALS				3700	1650	1700	1600	1625				

DADE COUNTY METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION IMPROVEMENT PROGRAM
ROAD IMPACT FEE

Project Number	PROJECT DESCRIPTION	Length (Mi.)	TYPE OF WORK	PROPOSED		TENTATIVE THREE YEAR PROGRAM					Env. Code	Map No.	
				1991-92	1992-93	1993-94	1994-95	1995-96					
DISTRICT 6 - MUNICIPALITIES													
HOMESTEAD/FLORIDA CITY													
UNINCORPORATED DADE COUNTY													
ROAD AND BRIDGE PROJECTS													
671604	SW 304 Street/ U.S. 1 to SW 187 Avenue	2.0	Widen to 3 Lanes			CEI 30 CST 400					S	17	
671601	SW 312 Street/ SW 187 Avenue to SW 177 Avenue (Phase 1)	1.0	Widen to 3 Lanes	CEI 15 CST 300							S	18	
	SW 312 Street/ SW 187 Avenue to SW 177 Avenue (Phase 2)	1.0	Widen to 5 Lanes										
	SW 320 Street/ U.S. 1 to SW 187 Avenue	1.0	Widen to 3 Lanes		PE 60	CEI 15 CST 300					S R	19	
671602	SW 328 Street/ SW 187 Avenue to U.S. 1	1.1	Widen to 3 Lanes	CEI 15 CST 300							S	20	

DADE COUNTY METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION IMPROVEMENT PROGRAM
ROAD IMPACT FEE

PROJECT DESCRIPTION		TYPE OF WORK	PROPOSED			TENTATIVE THREE YEAR PROGRAM				Env. Code	Map No.
Project Number	Length (Mi.)		1991-92	1992-93	1993-94	1994-95	1995-96				
671605	SW 328 Street/ U.S. 1 to SW 162 Avenue	1.3		CST 200	CEI 15 CST 150				S	21	
	SW 328 Street/ SW 162 Avenue to SW 152 Avenue	1.0				PE 60	CEI 20 CST 300		S R	22	
671606	SW 256 Street Bridge/ over Canal C-102	0.1		CEI 10 CST 200					S		
	SW 182 Avenue/ SW 344 Street to SW 312 Street	2.0	CEI 30 CST 600						S	23	
TRAFFIC CONTROL DEVICES Various Locations U.S. 1 @ SW 344 Street (W.O. issued) U.S. 1 @ SW 216 Street (By F.D.O.T.) Franjo Road @ Old Cutler Rd. (W.O. issued)			PE 10 CEI 5 CST 100	PE 10 CEI 5 CST 100		PE 20 CEI 5 CST 200	PE 15 CEI 10 CST 100				

DADE COUNTY METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION IMPROVEMENT PROGRAM
ROAD IMPACT FEE

PROJECT DESCRIPTION		Length (Mi.)	TYPE OF WORK	PROPOSED		TENTATIVE THREE YEAR PROGRAM			Env. Code	Map No.	
Project Number				1991-92	1992-93	1993-94	1994-95	1995-96			
TOPICS Various Locations Krome Avenue @ SW 304 Street (Turn Lane) U.S. 1 @ SW 328 Street (Turn Lane)			Intersection Improvements	PE CEI CST	10 5 100	PE CEI CST	10 5 100	PE CEI CST	20 10 200	PE CEI CST	15 10 100
RESURFACING Various Locations E. Mowry Drive / U.S. 1 to North Flagler Ave. (Funding Agreement Executed)				PE CEI CST	10 5 100	PE CEI CST	10 5 100	PE CEI CST	20 5 200	PE CEI CST	10 5 100
Engineering Administration				60	30	30	30	30	30		
TOTALS				1665	845	940	770	715			

**1992 TRANSPORTATION IMPROVEMENT PROGRAM
TRI-COUNTY COMMUTER RAIL AUTHORITY
PROJECT DESCRIPTION**

MULTI-YEAR PROJECT

Tri-Rail's Multi-year Project requests UMTA Section 3 funding to implement capital improvement items outlined in TCRA's Strategic Plan. The Multi-year Project consists of \$ 78.64 Million in TCRA / FDOT funding and \$ 48.87 million in UMTA funding for a total project cost of \$ 127.51 million. The UMTA portion shall be used specifically to complement TCRA / FDOT funding for additional rolling stock, rehabilitate track and signals, and double track the rail corridor. The Multi-year funding ratio equals 38% UMTA funds and 62% TCRA / FDOT funds.

1991-92 100% FDOT FUNDED ITEMS

Tri-Rail will be beginning a somewhat aggressive program in expanding station parking facilities. Tri-Rail currently has 891 parking spaces and hopes to expand this number to approximately 7,000 spaces by the end of 1995. The exact number of spaces to be built this year is currently under analysis. Tri-Rail will also be making improvements to the Hialeah maintenance facility. These improvements are necessary to improve the existing facilities infrastructure.

1991-92 TOTAL PROJECT

The total 1991-92 Project Budget is \$21.83 of which \$16.35 million is TCRA / FDOT funded. The total UMTA participated project cost is \$13.77 million of which \$8.30 million is TCRA / FDOT match to \$5.47 million in requested UMTA funding. (See attached 1991 Project Budget).

- * TCRA/FDOT funding consists primarily of funds from the five year capital improvement program allocated by the State. However, TCRA may utilize State-allocated funds from TCRA's operating budget and from other outstanding capital Joint Participation agreements.

DADE COUNTY METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION IMPROVEMENT PROGRAM
TRI-COUNTY COMMUTER RAIL IMPROVEMENTS

COMMUTER RAIL TRANSIT DEVELOPMENT	PROJECTED COST	PREVIOUS COST (1990-91)	PROPOSED				TENTATIVE THREE YEAR PROGRAM			FUNDING SOURCE
			1991-92	1992-93	1993-94	1994-95	1995-96			
Rolling Stock Loco / Passenger Cars	28,500.0	0.0	9,400.0	8,000.0	11,100.0	0.0	0.0	Total		
	17,925.0	0.0	3,600.0	6,000.0	8,325.0	0.0	0.0	UMTA Sec 3		
	10,575.0	0.0	5,800.0	2,000.0	2,775.0	0.0	0.0	FDOT		
Track and Signal Improvements / Extensions	68,782.0	0.0	4,375.0	20,284.0	20,182.0	23,961.0	0.0	Total		
	30,828.0	0.0	1,875.0	9,506.0	9,186.0	10,261.0	0.0	UMTA Sec 3		
	37,954.0	0.0	2,500.0	10,778.0	10,979.0	13,700.0	0.0	FDOT		
Station Improvements / Parking Expansion	11,800.0	0.0	3,700.0	2,754.0	2,268.0	3,078.0	0.0	FDOT		
Maintenance Shop	6,038.0	0.0	3,500.0	0.0	0.0	2,538.0	0.0	FDOT		
Dispatch Center	3,000.0	0.0	0.0	2,000.0	1,000.0	0.0	0.0	FDOT		
Planning	1,350.0	0.0	400.0	300.0	300.0	350.0	0.0	FDOT		

.. FY 91-92 The UMTA assisted projects consist of improving the existing track and signal system between TCRA's existing Miami International Airport Station, located at 38th Street, to the new 21st Street site, which is located adjacent to MIA's access road. UMTA funds shall also be used in this fiscal year to purchase four passenger coaches; the coaches shall be used throughout TCRA's service area.

TRANSPORTATION IMPROVEMENT PROGRAM
TRI-COUNTY COMMUTER RAIL IMPROVEMENTS

COMMUTER RAIL TRANSIT DEVELOPMENT	PROJECTED COST	PREVIOUS COST (1990-91)	PROPOSED		TENTATIVE THREE YEAR PROGRAM			FUNDING SOURCE
			1991-92	1992-93	1993-94	1994-95	1995-96	
Other Equipment	1,950.0	0.0	450.0	600.0	0.0	900.0	0.0	FDOT
Other Facility Improvements	3,999.0	0.0	0.0	1,267.0	1,681.0	1,051.0	0.0	FDOT
Design / Engineering	1,950.0	1,950.0	0.0	0.0	0.0	0.0	0.0	FDOT
Ticket Vending Machines	143.8 115.0 28.8	143.8 115.0 28.8	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	Total UMTA Sec 9 FDOT
TOTAL	125,417.0	2,093.8	21,825.0	36,205.0	38,511.0	31,876.0	0.0	

• FY 90-91 TCRA will purchase ticket vending machines for the Dade County train stations using the described UMTA funds.

St. Lucie

FLORIDA

LAWTON CHILES
GOVERNOR

DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PLANNING OFFICE - DISTRICT 4

BEN G. WATTS
SECRETARY

Location: 4101 Ravenswood Rd., Bldg. #3, Ft. Lauderdale, FL
Telephone: (305) 797-8510; Fax: (305) 797-8339
Mailing Address: 780 SW 24th Street, Ft. Lauderdale, FL 33315-2696

October 17, 1991

Mr. Kevin Harris
Southern States Energy Board
3091 Governors Lake Drive
Suite 400
Norcross, Georgia 30071

Dear Mr. Harris:

Per your request, enclosed are copies of the Department's current work program for Martin County and the St. Lucie County Transportation Improvement Plan. These documents contain all proposed roadway construction and/or improvement projects in the vicinity of the St. Lucie Nuclear Power Plant located on Hutchinson Island.

Should there be questions or if additional information is required, please advise.

Sincerely,

Gustavo Schmidt, P.E.
District 4 Planning Engineer

GS/rf

Enclosures

S_{T.} LUCIE

METROPOLITAN

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TRANSPORTATION IMPROVEMENT PROGRAM

FY 1991/92 THROUGH 1996/97

SEPTEMBER 12, 1991

(REV:)

A handwritten signature in black ink, appearing to read "John S. Hain", is written over a horizontal line. To the left of the signature is a large, hand-drawn oval.

MPO CHAIRMAN

GLOSSARY

ADM	Administration
BRDG	Bridge
CEI	Construction, Engineering, & Inspection
CLV	Culvert
CST	Construction
E/D	Engineering & Design
MIT	Mitigation
MSC	Miscellaneous
PTO	Public Transportation Operations
RELOC	Relocation
RRX	Railroad Crossing
TD	Transportation Disadvantaged
UTIL	Utilities
COA	Council on Aging
CTC	Community Transportation Coordinator
DCA	Department of Community Affairs
FAA	Federal Aviation Administration
FDOT	Florida Department of Transportation
FHWA	Federal Highway Administration
LCB	Local Coordinating Board
MPO	Metropolitan Planning Organization
TDC	Transportation Disadvantaged Commission
UMTA	Urban Mass Transportation Administration

ST. LUCIE MPO

LOCAL GOVERNMENT

PROJECT INFORMATION

FY 1991/92 THROUGH 1996/97

ST. LUCIE COUNTY #00

TRANSPORTATION IMPROVEMENT PROGRAM

FY 91/92 THROUGH FY96/97

[illegible]

ROADWAY CONSTRUCTION

PROJECT NO.	PROJECT NAME	LOCATION	TYPE OF PROJECT	ESTIMATED COST (\$ MIL.)	ESTIMATED YEAR OF COMPLETION	FEDERAL SHARE (%)	STATE SHARE (%)	CITY SHARE (%)	LOCAL SHARE (%)	TOTAL SHARE (%)	STATUS
70040	PT ST. LUCIE BLVD	Midport Rd. - Floresta Dr.	1.00 Bridge construction	0.50 CST							P.S.L.
90111	N. PRIMA VISTA - IIII	Rio Mar - Naranja	1.00 add 2 lanes (urban) w/Bridge construction	3.97 CST 0.04 ADM							P.S.L.
70015	N. MIDWAY - I	So. US #1 - So. 25th	1.50 add 2 lanes (urban) w/Bridge construction	0.10 ROW 0.04 ADM 0.06 ADM							P.S.L.
XXXXX	So. 25th STREET - IIII	Virginia - Edwards	1.00 add 2 lanes (urban)	0.17 E/D 0.04 ADM	1.84 CST 0.06 ADM						P.S.L.
90114	So. 25th STREET - I	Edwards - PSL C/L	3.00 add 2 lanes (urban) w/Bridge construction	4.97 CST 0.06 ADM							P.S.L.
91073	So. 25th STREET - II	PSL C/L - Prima Vista	4.00 add 2 lanes (urban) w/Bridge construction	5.72 CST 0.06 ADM							P.S.L.
XXXXX	E. PLS BLVD.	So. US #1 - Leonard Rd.	0.25 add 2 lanes (urban)	0.15 ROW 0.05 ADM	0.46 CST 0.09 CEI 0.06 ADM						P.S.L. S.C.
XXXXX	BAYSHORE BLVD.	1500' N. of PSL Blvd. to PSL Blvd.	0.15 Relocation	1.00 REL 0.25 CST	3.00 REL						

LUCIE COUNTY IPO
TRANSPORTATION IMPROVEMENT PROGRAM
91/92 THROUGH FY96/97

30	WFO REF NO.	PROJECT NAME	PROJECT SEGMENT	LGTH	DESCRIPTION	91/92	92/93	93/94	94/95	95/96	96/97	LOS	BOXL	FACL	CONF
												NEED	IMPV	CODE	W/LC
															PLAN
															JURS
XXX	WFO92-01	LENNARD RD. - I	E. PLS BLVD - Walton Rd.	2.00	add 2 lanes (urban)					2.95 CST 0.18 CEI 0.06 ADM		Y	N	A	Y SLC
XXX	WFO91-04	LENNARD RD. - II	Walton - Palmer X-Way Ext	5.50	add 2 lanes (urban)	0.50 ROW 0.05 ADM			0.05 ADM	6.90 CST 0.28 CEI 0.06 ADM		Y	N	A	Y SLC
XXX	WFO91-05	LENNARD RD. - III	Palmer X-Way - Buch. Dr.	0.75	construct 2 lanes (urban)	0.25 ROW 0.05 ADM				0.80 CST 0.14 CEI 0.06 ADM		Y	N	A	Y SLC
XXX	WFO90-08	PALMER X-WAY EXT	Lennard - So. US #1	0.50	construct 2 lanes (urban)	0.25 ROW 0.05 ADM				0.65 CST 0.30 CST 0.06 ADM		Y	N	A	Y SLC
XXX	WFO90-04	E. PRIMA VISTA	Lennard - So. US #1	1.00	construct 2 lanes (urban)	0.50 ROW 0.05 ADM				0.67 CST 0.14 CEI 0.06 ADM		Y	N	A	Y SLC
041	WFO91-13	WALTON ROAD	6m Riv Pkwy - Vil 6m Dr	2.00	add 2 lanes (urban)	0.15 ROW 0.05 ADM						Y	N	A	Y PSL
XXX	WFO93-02	WALTON ROAD - I	Lennard Rd. - Vil 6m Dr.	1.00	add 2 lanes (urban)		0.05 ADM	1.30 CST 0.06 ADM				Y	N	A	Y PSL
XX	WFO91-02	W. MIDWAY - III	W/Fla Tpk - I-95	1.00	add 2 lanes (urban)		0.16 E/D 0.05 ADM	0.50 ROW 0.05 ADM	1.60 CST 0.13 CEI 0.06 ADM			Y	N	A	Y SLC
024	WFO90-12	EDWARDS RD. - I	So. US #1 - So. 25th	1.50	add 2 lanes (urban)	2.37 CST 0.06 ADM						N	N	A	Y FIP
XXX	WFO93-03	WALTON ROAD - II	6m Riv Pkwy - Lennard Rd.	1.00	add 2 lanes (urban)			1.30 CST 0.06 ADM				N	N	A	Y PSL
020	WFO90-15	No. JENKINS RD.	Orange Ave - Angle Rd	1.50	new 2 lane (rural)	0.50 ROW 0.05 ADM	1.04 CST 0.06 ADM					Y	N	A	Y SLC

ST. LUCIE COUNTY WPO
TRANSPORTATION IMPROVEMENT PROGRAM
FY 91/92 THROUGH FY96/97

PROJ NO.	WPO REF NO.	PROJECT NAME	PROJECT SEGMENT	LGTH	DESCRIPTION	91/92	92/93	93/94	94/95	95/96	96/97	LOS NEED	BOCKL IMPV	FACTL CODE	CONF W/LC	PLAN	JURS
80023	WPO91-09	So. JENKINS RD. - I	Edwards - W. Midway	2.00	new 2 lane (rural) w/Bridge construction	0.05 ADM	0.05 ADM	4.55 CST 0.06 ADM									
XXXXX	WPO93-01	W. MIDWAY - II	So. 25th - w/Fla Tpk	2.00	add 2 lanes (urban) w/Bridge construction						0.00 E/D 0.50 ROW 0.10 ADM	Y	N	A	Y	S/LC	
XXXXX	WPO91-03	No. 25th STREET	IND AVE 3 - No. US #1	1.00	construct 2 lanes (urban)						0.12 E/D 1.21 CST 0.15 CEI 0.06 ADM	N	N	C	Y	S/LC	
XXXXX	WPO92-02	OLEANDER AVE.	Edwards - Kitterman	5.00	add 2 lanes (partial)/widen						0.00 E/D 3.00 ROW 0.10 ADM	N	N	A	Y	S/LC	
XXXXX	WPO95-09	INDRIO RD. - II	Taylor Dairy Rd. - Emerson Ave.	1.50	add 2 lanes (urban)						0.00 E/D 0.10 ADM	N	N	A	Y	S/LC	
XXXXX	WPO90-10	ST. LUCIE BLVD. - I	No. US #1 - No. 25th St.	0.75	right-of-way (6 ln div)						3.00 ROW 0.10 ADM	N	N	A	Y	S/LC	
XXXXX	WPO92-03	ST. LUCIE BLVD. - II	No. 25th St - Shirm Road	8.00	right-of-way (6 ln div)						3.00 ROW 0.05 ADM	N	N	A	Y	S/LC	
XXXXX	WPO91-11	BECKER ROAD	Gilson Road - Fla. Tpk.	2.75	2 lane/reconstruction	1.30 CST 0.13 E/D 0.18 CEI 0.06 ADM						N	N	A	Y	S/LC	
XXXXX	WPO96-01	KITTERMAN RD.	OLEander Ave. - Lennard Rd.	1.00	w/sidewalks & signal improv.						0.08 E/D 0.75 CST 0.14 CEI 0.06 ADM	N	N	N	Y	S/LC	

LUCIE COUNTY MPO
TRANSPORTATION IMPROVEMENT PROGRAM
91/92 THROUGH FY96/97

NO	MPO REF	PROJECT NAME	PROJECT SEGMENT	LGTH	DESCRIPTION	91/92	92/93	93/94	94/95	95/96	96/97	LOS	BSCL	FACI	CONF	PLAN	JURS
												NEED	IMPV	CODE	W/LC		
XXX	MP091-14	CARLTON ROAD	Glades Cut-off to C-24	6.50	new construction w/area drainage improvements	0.49 E/D 0.50 ROW 4.94 CST 0.39 CEL 0.25 ADH	3.50 CST										
XXX	MP096-02	W PSL BLVD/ GATLIN/Savage	W of Turnpike to I-95		Add 2 lanes							ROW/ EST	Y	Y	-	Y	PSL
XXX	MP096-03	MIDPORT RD	So US11 to PSL Blvd		Add 2 lanes (urban)							ROW/ EST	N	N	-	Y	PSL
XXX	MP095-08	SR A-1-A	So Bridge to FTP City Line		Add 2 lanes							CST	Y	N	-	Y	FTP
XXX	N/A	MPO TRANSIT STUDY	Countywide		Study	0.7 UMTA	0.07	0.07	0.07	0.07							
XXX	N/A	MPO TD PLG	Countywide		Planning	0.017	0.017	0.017	0.017	0.017							

ST. LUCIE COUNTY MPO
TRANSPORTATION IMPROVEMENT PROGRAM
FY 91/92 THROUGH FY96/97

PROJ NO.	MPO REF NO.	PROJECT NAME	PROJECT SEGMENT	LGTH	DESCRIPTION	91/92	92/93	93/94	94/95	95/96	96/97	LOS NEED	BCKL IMPV	FAQL CODE	CONF W/LC	PLAN	JURS
INTERSECTION CONSTRUCTION																	
91028	MP089-02	EDWARDS RD. & So. 25th			add turn/through lanes	0.70 CST 0.09 CEI 0.06 ADM											
XXXX	MP094-05	W. MIDWAY RD. & SELVITZ			add turn/through lanes			0.75 CST 0.09 CEI 0.06 ADM									
XXXX	MP091-12	EDWARDS RD. & SELVITZ			add turn/through lanes	0.70 CST 0.09 CEI 0.06 ADM											
XXXX	MP095-05	WALTON RD & INDIAN RIVER			add turn/through lanes						0.10 RDM 0.75 CST 0.09 CEI 0.06 ADM						

LUCIE COUNTY MPO
TRANSPORTATION IMPROVEMENT PROGRAM
91/92 THROUGH FY96/97

1) MPO REF NO.	PROJECT NAME	PROJECT SEGMENT	LGTH	DESCRIPTION	91/92	92/93	93/94	94/95	95/96	96/97	LOS NEED IMPV	FAUL CODE	CONF W/LC	PLAN	JURS
IDEE & OLIVERIS:															
30X	N/A	BRIDGE (105' long)		BRIDGE (Floresta Dr.) (Water Crossing - Elkcam w/a)					0.10 E/D; 0.05 AMH;	0.66 CST; 0.10 CEI; 0.06 AMH;					
30X	N/A	BRIDGE (75' long)		BRIDGE (Orange Ave) (1 mile east, Okeee Co/L)			0.08 E/D; 0.47 CST; 0.10 CEI; 0.06 AMH;								
30X	N/A	BRIDGE (151' long)		BRIDGE (Orange Ave) (Water Crossing - C-24)			0.13 E/D; 0.95 CST; 0.10 CEI; 0.06 AMH;								
30X	N/A	BRIDGE (75' long)		BRIDGE (Orange Ave) (Water Crossing - C-25)				0.10 E/D; 0.47 CST; 0.10 CEI; 0.06 AMH;							
30X	N/A	BRIDGE (75' long)		BRIDGE (Orange Ave) (Water Crossing - NSL-57)				0.10 E/D; 0.47 CST; 0.10 CEI; 0.06 AMH;							
30X	N/A	BRIDGE (144' long)		BRIDGE (Keen/N. Jenkins Rd) (Water Crossing - C-25)		0.13 E/D; 0.05 AMH;	0.91 CST; 0.10 CEI; 0.06 AMH;								
30X	N/A	BRIDGE (105' long)		BRIDGE (Keen/N. Jenkins Rd) (Water Crossing - FFF-1)					0.10 E/D; 0.66 CST; 0.10 CEI; 0.06 AMH;						
ISC. PROJECTS															
300X	TBA	CORRIDOR STUDIES/ P.D. & E. PROJECTS		Misc. Locations	0.15 NSC;		0.15 NSC;								

FY 1991/92 THROUGH 95/96

PROJECT PRIORITY

1. 4119371 SR-5/US #1, Port St. Lucie Blvd to Rio Mar Drive
add lanes and reconstruct
PE FY 91/92, ROW FY 93/94, CST FY 95/96

2. 4119392 SR-615/25th St, Edwards Rd to Virginia Ave
add lanes and reconstruct
PLN FY 91/92, PE 93/94

3. 4119400 SR-615/25th St, Edwards Rd to Virginia Ave
add lanes and reconstruct
CST FY 95/96

4. 4119253 SR-5/US #1/SR-68 & Ave "C", intersection
major intersection work
ROW FY 91/92, CST FY 94/95

5. 4119388 SR-5/US #1, Rio Mar Drive to Edwards Rd
add lanes and reconstruct
PLN FY 91/92, PE FY 93/94

6. 4119389 SR-5/US #1, Edwards Rd to Virginia Ave
add lanes and reconstruct
PLN FY 91/92, PE FY 93/94

7. 4119207 SR-70, MCCarty Rd to Gordy Rd
road reconstruction - 2 lane
PE & ROW FY 91/92

8. 4119206 SR-70, Okeechobee Co/L to MP 10.79
road reconstruction - 2 lane
PE FY 91/92

9. 4119232 SR-615/25th St, Avenue Q to SR-5
add lanes and reconstruct
PE FY 91/92/93

FY 1991/92 through 1995/96

PROJECT PRIORITY cont'd

10. 4119356 SR-713/Kings Hwy, SR-70 at Turnpike to SR-5
P.D. & E. Study
PLN FY 91/92, PE FY 94/95
11. 4119208 SR-68/Orange Ave, I-95 to Ft. Pierce Ci/L
add lanes and reconstruct
PE & ROW FY 91/92
12. 4119384 SR-713, Bridge #940008, Drainage Canal #1
construction bridge - low level
PE FY 91/92, CST FY 93/94
13. 4119376 Signal System/Group-1, closed loop system
traffic signal update
CST FY 92/93
14. 4119390 SR-5/US #1, St. Lucie Blvd to Indian River Co/L
add lanes and reconstruct
PLN & PE FY 94/95

FY 1996/97

PROJECT LIST

Port St. Lucie Blvd, Fla. Turnpike to I-95
add lanes and reconstruct
PLN, PE, ROW, CST

St. Lucie Blvd, SR-5 to Fla. Turnpike
add lanes and reconstruct
PE, ROW

Port of Ft. Pierce Access
construction
PLN, PE, CST

Oleander Ave, Virginia Ave to Midway Rd
add lanes and reconstruct
PLN, PE, ROW, CST

SR 609 Corridor, Martin Co/L to Indian River Co/L
construction - 2 lanes
PLN, PE, ROW, CST

S. US #1, Westmoreland Dr to Port St. Lucie Ci/L
street lighting project

Crystal River

Florida Department of Transportation

*****Tentative*****

***** Version = 1

Highway Portion

1992-93 (FY93) thru 1996-97 (FY97)

District 5

County: Citrus

Item No.	Local Name	From	To	Type of Work	Length PH	Cost (000)	FY	D D R
5111622	Countywide	Projects to be	Identified	Funding Action				
5111615	SR 200	SR 45 US 41	Marion Co Line	P. D. & E. Study	.000 MI CST	2,680	96	•
5111608	SR 44	CR 491	600' E Kensington Ter	Add Lanes & Reconstruct	6.681 MI PE	500	95	
					4.642 MI ROW	5,115	93	•
					CST	6,665	94	
5111609	SR 44	600' E Kensington Ter	680' West of CR 581	Add Lanes & Reconstruct	4.106 MI ROW	2,450	93	
					CST	5,968	95	
5111613	SR 44	SR 45 US 41	CR 470	Add Lanes & Reconstruct	3.602 MI PE	500	95	
5111614	SR 44	CR 470	Sumter Co Line	Add Lanes & Reconstruct	3.119 MI PE	600	96	
5111639	SR 44	Int. Eden Gardens Rd	(EB LT TN LN)	Add Left Turn Lane(s)	.150 MI CST	122	93	
5111641	SR 44	CR 486	Loop Road	Add Lanes & Reconstruct	2.445 MI MSC	4,592	96	
5111643	SR 44 & SR 45	Inverness Closed	Loop System	Interconnection	.000 MI CST	113	95	
5111574	SR 45 US 41	SR 44 West	Marion Co Line	P. D. & E. Study	16.865 MI PE	1,300	93	
5111628	SR 45 US 41	Hernando Co Line	CR 48	Hwy-Resurfacing	6.000 MI CST	964	93	
5111642	SR 45 US 41	BR#020002	.25MI N Middle Sch R	Replace Low Level Bridge	.025 MI PE	100	96	•
					CST	399	97	
5111644	SR 45 US 41	CR 39A/Gobler	SR 44 East	P. D. & E. Study	3.987 MI PE	400	97	
5111617	SR 55 US 19 S Bound	Hernando Co Line	CR 44	Hwy-Resurfacing	13.512 MI CST	2,237	94	
5111627	SR 55 US 19/98	NW 7th Street	Levy Co Line	Hwy-Resurfacing	9.516 MI CST	2,111	93	
Summaries:					PE	3,400		
					ROW	7,565		
					RR			
					CST	22,259		
					MSC	4,592		
Total:						37,816		

Note: Asterisk (*) In DDR Column Indicates DDR Fund Involvement

Section D: Georgia

Georgia

The state of Georgia has two commercial nuclear reactor sites: Edwin I. Hatch and Alvin W. Vogtle.

The Edwin I. Hatch site is located in Appling County. U.S. 1 from Old Alma Road/Tollison Street to SR 27 will undergo widening, reconstruction and signal improvement beginning in 1992.

Located in Burke County, the Alvin W. Vogtle nuclear reactor site has three primary highways that will undergo construction in the next five years: U.S. 56, U.S. 121, and U.S. 24. A new five lane bridge will be built on SR 56 at McBean Creek. SR 56 will also undergo bridge widening northeast of Waynesboro at Brier Creek in 1992. SR 56 Spur at Boggy Gut Creek will also be widened in 1992. Passing lanes for 2.4 miles will be installed, also on SR 56 Spur, from mileage points 4.25 to 5.45 and 5.65 to 6.85. U.S. 24 will be widened and reconstructed from U.S. 121 to east of the bypass in 1993 for one mile. The Waynesboro bypass from U.S. 121 on the east side to U.S. 121 on the west side will be widened and reconstructed for 4.63 miles in 1992.

The Georgia Department of Transportation was unable to provide information concerning railway modifications.

FEDERAL-AID PROJECT PREFIX DESIGNATIONS

FEDERAL-AID INTERSTATE PREFIX DESIGNATIONS

- I = Project prefix designation for the Federal-aid Interstate System.
- IR = Resurfacing, Rehabilitation or Reconstruction project of an Interstate Highway.
- ID = A project on the Interstate Highway System funded with Interstate Discretionary Funds.
- ACI = Project on the Interstate System funded with Advance Construction Funds.
- FI = Project on the Interstate System which is funded for Consolidated Primary Funds.
- IX = Projects using Interstate Transfer Funds on Federal-Aid System I.E., IXAM would be on Urban System; IXAF would be on Primary System.

CONSOLIDATED PRIMARY PREFIX DESIGNATIONS

- F = Project on Federal-Aid Primary System, either rural or urban.
- FG = Railroad crossing project on the Primary System.
- FR = Rehabilitation project on the Primary System.
- ACF = Project on the Primary System funded with Advance Construction Funds.

RURAL SECONDARY PROJECT PREFIX DESIGNATIONS

- S = Project on the Federal-Aid Secondary System located in a rural area or an incorporated area under 5000 populations.
- SG,SRG = Railroad crossing project on the Secondary System.
- SR = Rehabilitation project on the Secondary System.

FEDERAL-AID URBAN SYSTEMS PROJECT PREFIX DESIGNATIONS

- M = Project prefix for project on the Federal-Aid Urban System in an urban area or city over 5000 population.
- MG,MRG = Railroad crossing project on an Urban System Route.
- MR = Rehabilitation Project on an Urban System Route.

FEDERAL-AID BRIDGE REPLACEMENT/REHABILITATION PROGRAM PROJECT PREFIX DESIGNATIONS

- BRF = Bridge replacement on the Federal-Aid Primary System.
 - BRS = Bridge replacement on the Federal-Aid Secondary System.
 - BRM = Bridge replacement on the Federal-Aid Urban System.
 - BRZ = Bridge replacement OFF the Federal-Aid System.
 - BHF = Bridge Widening/rehabilitation on the Federal-Aid Primary System.
 - BHS = Bridge Widening/rehabilitation on the Federal-Aid Secondary System.
 - BHZ = Bridge Widening/rehabilitation OFF the Federal-Aid System.
 - BHM = Bridge Widening/rehabilitation on the Federal-Aid Urban System.
- (Any of the above project prefixes can also carry "LB" as the last two letters on the project prefix which designates that particular projects are not on the STATE Highway System).

STATE-AID PROJECT PREFIX DESIGNATIONS

PPL = Passing Lanes on the State Highway System.
 MLP = Multi-Lane Project on the State Highway System.
 PR = Project OFF the State Highway System (either as city/county contract or let).
 SAP = Project ON the State Highway; System (either as city/county contract or let).
 TSAP = Project ON the State Highway System (either as city/county contract or let).
 MPC = Maintenance of Portland Cement ON the State Highway System (including Interstate).
 SF = Maintenance work performed by State Forces ON the State Highway System.
 SFPR = Maintenance work performed by State Forces OFF the State Highway System.
 SAMA = Resurfacing on State Highway System Route.
 LAR = Resurfacing on Local Roads in rural areas OFF the State Highway System.
 LAU = Resurfacing of Local Roads in incorporated areas OFF the State Highway System.
 LAB = Bridge replacement on county roads OFF the State Highway System.
 BSAP = Bridge replacement/widening on the State Highway System.
 PEPR = Preliminary Engineering designation for projects located OFF the State Highway System.
 PESP = Preliminary Engineering Designation for projects located ON the State Highway System.
 GOU = Project in Urban Area (5000 population or over) funded with Urban Bond Funds.
 LPR = Resurfacing of road OFF the State Highway System
 AP = Airport Project
 GIP = Projects on the "Golden Isles Parkway" Corridor.
 FLF = Projects on "Fall Line Freeway" Corridor.
 EDS = Projects on Economic Development Highway System..
 AZB = Corridor Z & APD
 RZ = State Funds for ROW
 SUM = State Funds on M-System.
 HAR = State Funded Harbor Maintenance project (i.e. dike construction)
 SAPS = State Funded Traffic Control signal project.

Section F: Maryland

Maryland

Calvert Cliffs is the only nuclear power plant in the state of Maryland.

The Calvert Cliffs Nuclear power plant is located in the southern portion of Calvert County. In the next five years, highway access will be upgraded with minor improvements along sections of Highways 2 and 4. Minor lighting and intersection realignment will improve the area east of the bridge connecting Calvert County with St. Mary's County.

There was no information available concerning railroad access modifications.

The preceding information was taken from a telephone interview with Ms. Kellie Gaver of the Maryland Office of Planning, November 25, 1991.

Section G: Mississippi

Mississippi

Grand Gulf is the only commercial nuclear power reactor in the state of Mississippi. Located in Claiborne County, Grand Gulf is approximately 30 miles south of Vicksburg. Highway access to the facility is provided by U.S. 61. Although there is no plan to extend the road that connects Grand Gulf with U.S. 61, U.S. 61 is being upgraded from two to four lanes. As of September 1991, part of U.S. 61 was under contract for widening, and other portions were in the process of right-of-way acquisition. There is no railway access to the Grand Gulf nuclear power reactor site.

Telephone interview with Mr. James E. Maher, Director of the Mississippi Emergency Management Agency, September 5, 1991.

Section H: Missouri

Missouri

The Calloway Plant is the only commercial nuclear reactor site in the state of Missouri. Highway access to and from the Calloway Plant is provided by U.S. 94, which intersects with Interstate 70. This route is the primary route in Calloway County.

In the next five years, there are several upgrading plans for U.S. 94. In 1992, bridges S-552, S-553, S-908, and T-564 are being graded and repaved. Designs to replace bridges L-546, T-539, T-593, and N-500 will be formulated, but construction will not begin before 1993. Grading will be raised for 0.8 miles from 0.6 mile west of Route PP to 1.2 mile west of Route CC.

Interstate 70 will also receive structure upgrades. In 1991, the east bound lane will be resurfaced for 3.0 miles from 1.0 east of Route Z and A to the Montgomery County line. Pavement repair and resurfacing on the west bound lane from Routes A and Z to 0.5 mile west of Route D will also be completed. The west bound lane will also receive resurfacing and pavement repair 0.5 mile west of Route D to Montgomery County for 6.3 miles. In 1992, the west bound lane from 1.0 mile east of Route JJ to Routes Z and A will be resurfaced for 2.2 miles.

There were no railroad access additions included by the Missouri Highway and Transportation Department.

System			District		Total Cost	I t e m	Amount (\$1,000)				
			5				Current 1991	2nd. Yr 1992	3rd. Yr 1993	Design	Future
Job No.	Co.	Rte.	LEN. ADT	LOC. IMP. RMK							
5-P- 439	Callaway	54	.1 7020	LOC. IMP. RMK		R / W C O N					
5-P- 455	Callaway	54	6.8 6740	LOC. IMP. RMK	229			229			
5-P- 103B	Callaway	54	7.3 6790	LOC. IMP. RMK	1085	R / W C O N					
5-I- 451	Callaway	70	2.2 11500	LOC. IMP. RMK	910	R / W C O N		910			
5-I- 450	Callaway	70	11.2 11500	LOC. IMP. RMK	3011	R / W C O N					
5-I- 452	Callaway	70	3.0 11100	LOC. IMP. RMK	775	R / W C O N		775			
5-I- 446	Callaway	70	6.3 11100	LOC. IMP. RMK	1400	R / W C O N					
5-S- 351	Callaway	94	2.0 1470	LOC. IMP. RMK	100	R / W C O N			100		
5-S- 392	Callaway	94	.8 1090	LOC. IMP. RMK	15	R / W C O N			15		
5-S- 351B	Callaway	94	2.0 1470	LOC. IMP. RMK	854	R / W C O N			734		
					105	R / W C O N		105			
					5770	R / W C O N			5770		

Section I: North Carolina

North Carolina

There are three commercial nuclear reactor sites in the state of North Carolina: Shearon Harris, William B. McGuire, and Brunswick. The Shearon Harris Nuclear Power Plant is located near Bonsal. In Chatham County, there are several existing roads that will be widened. The existing roadway on U.S. 1 will be widened to a four lane divided highway from north of U.S. 15-501 to U.S. 64. An additional two lanes will be added to complete the four lane divided facility from Siler City to Staley on U.S. 421 and an interchange will be constructed south of Siler City. Also on U.S. 421, the existing roadway at Gulf to the Siler City Bypass will be widened to a multi-lane roadway.

U.S. 64 will receive several modifications over the next five years. In Pittsboro, a new multilane right-of-way is scheduled for right-of-way protection in the next five years, but actual construction will not begin until after the five year period. Except for the five lanes within Ramseur, existing roadway will be widened to four lanes from NC 22 in Ramseur to the existing five lanes west of Siler City. The existing roadway between U.S. 421 and SR 1515 will be extended to four beginning in 1996. A four lane highway with a bypass of Pittsboro will widen the existing road from SR 1515 to the current four lanes west of Jordan Lake.

There are also a number of bridges that will be replaced in the next five years in Chatham County. On U.S. 421 at Deep River, bridge number 51 will be replaced. Bridge 418, also over Deep River, is scheduled for right-of-way improvement in 1996 on SR 1011. Bridge numbers 28 and 145 over Rocky Creek are to be reconstructed in 1992 and 1996, respectively. On SR 2145, construction on bridge number 154 over Georges Creek will begin in 1995. Also in 1995, bridge number 149 on SR 2155 will be replaced.

In Wake County, Interstate 40, U.S. 64, U.S. 421 and U.S. 401 will undergo several modifications. The existing roadway on Interstate 40 will be widened to eight lanes from NC 147 to the Duplin County line. For sixty-five miles, Interstate 40 will undergo logo signing from Wade Avenue to the Duplin County line in 1995. On U.S. 1, the existing highway from Richland Creek to Youngsville will be widened to eight lanes. The four lanes north of US 15-501 to U.S. 64 will be widened to a four lane divided freeway. A feasibility study and/or right-of-way protection to upgrade existing roadways between U.S. 421 and U.S. 401 will also be completed in the next five years.

Highway access is also provided to the Shearon Harris facility by NC 55, U.S. 64, and U.S. 70. The Holly Springs Bypass on NC 55 is scheduled for right-of-way protection for a multi-lane right-of-way and a new location. U.S. 64 will be widened to four lanes east of Lake Jordan to U.S. 1-64 at Cary. Construction will also begin on a four lane freeway on a new location from the Raleigh beltline to the existing U.S. 64 in the vicinity of SR 1003. Planning, design, and right-of-way construction for the Clayton Bypass, which will connect Interstate 40 to U.S. 70 will begin in the next five years.

There are also highway improvements planned for the towns of Apex, Cary, and Garner. In 1994, the Hunter Street Extension will connect Salem Street to Old Raleigh Road on a new location. In Cary, the Evans Road Extension will connect Aviation Parkway to Weston Parkway by construction of a four lane curb and gutter facility on a new location. To connect US 70 to NC 50, Timber Drive in Garner will be upgraded to a four lane facility, partly on a new location.

A number of bridges will be replaced in Wake County over the next five years that could improve access to the Shearon Harris facility. In 1992, bridge number 100 on SR 2012 and bridge number 176 on SR 2308 will be replaced. In 1993, bridge number 99 on SR 1820 and bridge number 465 on SR 2501 will receive upgrades. In 1996, construction on bridge number 315 on SR 1301 will also begin.

There are also bridge modifications planned to be completed by the North Carolina Department of Transportation that will effect several railroad systems. In Wake County, construction will replace the Seaboard System Railroad bridge number 470 in 1993. Also in Wake County, bridge number 528 for the Seaboard and Norfolk Southern Railway will be replaced in 1996. In Chatham County, Bridge Number 11 on U.S. 64 will be replaced beginning in 1994.

The William B. McGuire Nuclear Power Plant is located in Mecklenburg County. There are three interstates that are found in Mecklenburg County: Interstates 77, 85, and 277. In 1992, safety improvements for 16.7 miles on Interstate 77 will be completed from Interstate 85 to the Iredell County line. Also in 1992, the existing SR 113B interchange will be modified. Also on Interstate 77, the existing freeway will be widened to six lanes from Interstate 85 to the South Carolina line beginning in 1992. On Interstate 85, safety improvements will begin from north of SR 2772 to the Cabarrus County line in 1992. In 1993, safety improvements will be completed from the northern Charlotte urban boundary to south of the Cabarrus County line. From the Gaston County line to the Rowan County line, logo signing will be completed in 1995. The Charlotte bypass, currently under construction, will complete the widening of four lanes to eight lanes in 1994. On Interstate 277, from east of NC 16 to Interstate 77, safety improvements are scheduled for 1992.

There are several new routes in Mecklenburg County that could improve highway access for the William B. McGuire site. Construction for a four-lane highway on a new location connecting the outer loop of Charlotte with the South Carolina state line could begin in 1993. Construction on the Charlotte outer loop to connect Interstate 77 to U.S. 74 has begun and is expected to extend through the five year period. In 1994, the outer loop will be extended from Interstate 77 South to Interstate 85 North. In 1996, construction on the outer loop will begin to connect U.S. 74 East to Interstate 85 North. A feasibility study and environmental screening has been scheduled to develop an outer-outer loop around Charlotte.

There are a number of bridges scheduled to be replaced by the North Carolina Department of Transportation in the next five years. Bridge number 104 on U.S. 2110 is scheduled to be replaced in 1992. In 1995, modifications on bridge number 66 on U.S. 27 will commence. Replacement of bridge number 65 on SR 3110 is scheduled in 1996.

Modifications to railroad bridges are also in the tentative plans. On U.S. 29, Seaboard System Railroad bridge number 101 will be replaced starting in 1992. The right-of-way phase for Norfolk Southern Railroad Bridge Number 56 over SR 2861 will begin in 1997.

The Brunswick Nuclear Reactor site is located in Brunswick County. U.S. 17, NC 133, and NC 130 provide primary access through Brunswick County. Existing roadway from NC 211 to NC B7 on U.S. 17 is to be widened to a four lane divided highway with a new location for the bypass of Bolivia and completion is expected by 1992. By 1994, the widening will extend from NC 211 to the South Carolina state line with a new location for a bypass of Shallotte. The project on U.S. 17 will also include construction of the Wilmington Bypass, a four lane divided freeway on a new location, which will extend from U.S. 17 South to Interstate 40. On NC 133, completion of widening and resurfacing of the existing freeway from SR 1518 to SR 1543 is expected to be completed by 1992. A feasibility study is scheduled for NC 133 to widen and resurface the existing roadway from SR 1530 to SR 1513 is expected to be completed in the next five years. In 1996, plans to widen the existing roadway on NC 130 to a twenty-eight foot section from U.S. 17 to Holden Beach will begin by acquisition of right-of-way and approaches.

There are several bridges that are to be replaced in the next five years in Brunswick County. Construction on Bridge Number 10 on SR 1521 will begin in 1993. In 1995, bridge number 72 on NC 130 is expected to also begin construction. On NC 904, replacement of bridge number 9 will enter the construction phase in 1996.

Shearon Harris

TIP Reading Guide

To make the Transportation Improvement Program easier to read, the department has divided it into two sections: a program section and a map section. This allows the public to review funding and scheduling aspects of the program without being burdened by the numerous maps used by planners.

The program section of the TIP lists each project by county within each of the 14 highway divisions. Project schedules are shown in the form of bar graphs, and include specific schedules for planning, design, right of way and construction. A legend is provided to explain each phase of a project.

Projects included for "feasibility study and/or right of way protection" have no bar graphs and pending study, show no cost estimates or schedules.

The middle column lists the estimated cost of each project in thousands of dollars. Where applicable, projects also list the previous years, costs, which are included in the total cost. The additional funding needed to complete the project is listed beside the bar graph.

Each project is listed in the TIP by its project number. Each project's number is keyed by a letter that tells what type project it is. A series number, based on the year the project was incorporated into the TIP, follows the letter. Project numbers followed by an (*) indicate the project is part of the Intrastate or Loop system. Below are the prefix letters with an explanation of their use in the TIP. For your convenience in identifying the year each project was added to the TIP, we have also listed a project programming key.

TIP Project Programming Key

SERIES	ADDED TO TIP
0-100	October 1973
200	October 1974
300	October 1975
400	October 1976
500	January 1978
600	October 1978
700	October 1979
800	December 1981
900	November 1983
1000-1400	November 1983
2000	December 1984
2100	October 1985
2200	December 1986
2300	November 1987
2400	December 1988
2500-2600	November 1989
2700	December 1990

K—REST AREAS. The K designation is for the replacement or renovation of rest areas.

L—LANDSCAPE. The landscape program consists of the installation of small landscape planning projects on non-interstate highways. Revenues for this program are derived from the sale of specialized license plates.

R—RURAL. The rural program is designed to upgrade US and NC numbered highways and major secondary roads.

U—URBAN. The urban program is designed to upgrade major streets and highways within municipalities that are part of the state's responsibility.

W—HIGH HAZARDS AND OBSTACLES. This program is designed to improve potentially hazardous accident sites on federal-aid highways. Projects in this category have a federal-state funding ratio of 90 percent/10 percent.

YZ—RAILROAD GRADE CROSSINGS. This program provides for the improvement of potentially hazardous rail-highway grade crossings on a 90 percent/10 percent federal ratio.

F—FERRY. The F designation is for the capital improvement program for the ferry division.

B—BRIDGE. The federal-aid and municipal bridge replacement programs provide funds for the replacement or the rehabilitation of bridges.

I—INTERSTATE. The interstate program is 90 percent federal-aid and 10 percent state funds for the construction and improvement of the interstate system.

HIGHWAY PROGRAM

COUNTY

ROUTE/CITY	ID NO.	LOCATION AND DESCRIPTION	TOTAL EST. COST (THOU)	PRIOR YEARS COST (THOU)	WORK TYPE (FUNDING) EST. COST (THOU)	SCHEDULE							
						91	92	93	94	95	96	97	
NC 00	R-0000 *	I-40 TO HOMETOWN (15.4 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY WITH A BYPASS ON NEW LOCATION.	24150	250	P								
<p>ROUTE NUMBER listed in order of I, US, NC, SR, City or New Route.</p> <p>INDICATES INTRASTATE PROJECT</p> <p>IDENTIFICATION NUMBER is assigned to each project at its conception and remains with it until completion.</p>			<p>TOTAL ESTIMATED COST OF PROJECT IN THOUSANDS OF DOLLARS.</p>		<p>WORK TYPE (Phase of project implementation)</p> <p>P Planning D Design R Right of Way C Construction</p>		<p>FUNDING The category of funds programmed for right of way and construction. See key below. Funding for P & D not shown.</p>		<p>ESTIMATED COST Right of way and construction cost estimates by funding category (may be more than one type).</p>				

KEY TO FUNDING SOURCES

APD	Appalachian Development	I	Interstate Completion
APL	Appalachian Local Access	IR	Interstate Rehabilitation
BI	Bridge Inspection	M	Urban
C	City	NFA	Bridge Replacement Off-Federal-Aid-System
C&O	City and Other	O	Other
CR	Contract Resurfacing	PL	Public Lands
D	Developer Participation	PLF	Personalized Automobile License Plate Fund
DF	Defense Funds	POC	Purchase Order Contracts
DP	Discretionary or Demonstration Project	RR	Rail/Highway-Safety
F	Primary	RS	Federal-Aid Secondary
FA	Bridge Replacement On-Federal-Aid-System	S	State Construction
FH	Forest Highway	SF	Ferries
HES	High Hazard-Safety	T	Highway Trust Fund

Funding source may change to accommodate revenue variations.

Transportation Improvement Program

DIVISION 8

North Carolina Department of Transportation

HIGHWAY PROGRAM

CHATHAM COUNTY

ROUTE/CITY	ID NO.	LOCATION AND DESCRIPTION	TOTAL EST. COST (THOU)	PRIOR YEARS COST (THOU)	WORK TYPE (FUNDING) EST. COST (THOU)	SCHEDULE FEDERAL FISCAL YEAR						
						91	92	93	94	95	96	97
US 1	R-2500 *	FOUR LANES NORTH OF US 15-501 TO US 64. (26.5 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FREEWAY.	52155	50	P D R(T) 500 C(T) 32705							
						POST YEAR CONSTRUCTION-18900						
US 15-501	R-942	PITTSBORO BYPASS TO CHAPEL HILL BYPASS (15.2 MILES) WIDEN EXISTING ROADWAY TO A MULTI-LANE FACILITY.	32835	135	P D R(F) 6000							
						POST YEAR ROW AND CONSTRUCTION-26700						
US 64	R-2217 *	NC 22 IN RAMSEUR TO EXISTING FIVE LANES WEST OF SILER CITY. (10.5 MILES) WIDEN EXISTING ROADWAY TO FOUR LANES EXCEPT FOR FIVE LANES WITHIN RAMSEUR.	18660	500	P D R(F) 6260							
						POST YEAR CONSTRUCTION-11900						
US 64	R-2218 *	US 421 (SILER CITY BYPASS) TO SR 1515 IN CHATHAM COUNTY. (15.2 MILES) WIDEN EXISTING ROADWAY TO FOUR LANES.	21923	403	P D R(F) 4920 C(F) 8600							
						POST YEAR CONSTRUCTION-8000						
US 64	R-2219 *	SR 1515 IN CHATHAM COUNTY TO EXISTING FOUR LANES WEST OF JORDAN LAKE. (9.7 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY WITH A BYPASS OF PITTSBORO ON NEW LOCATION.	39295	495	P D R(F) 6700 C(F) 10500							
						POST YEAR CONSTRUCTION-21600						

• INDICATES INTRASTATE PROJECT

ALL SCHEDULES SUBJECT TO AVAILABILITY OF FUNDS

CHATHAM COUNTY

HIGHWAY PROGRAM

91 92 93 94 95 96 97

US 64	R-2318 *	FOUR LANES EAST OF LAKE JORDAN TO US 1-64 AT CARY. (11.0 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY.	28343	1060	D R(F) 5433 C(F) 12650 C(T) 9200	
US 421	R-68 *	SILER CITY BYPASS, SILER CITY TO STALEY. (13.1 MILES) ADD ADDITIONAL TWO LANES TO COMPLETE FOUR LANE DIVIDED FACILITY AND CONSTRUCT INTERCHANGE SOUTH OF SILER CITY.	45932	36632	P D C(F) 9300	
US 421	R-2610 *	FOUR LANES AT GULF TO THE SILER CITY BYPASS. (13.4 MILES) WIDEN EXISTING ROADWAY TO A MULTI-LANE FACILITY.	19200		P D	
NEW ROUTE	R-2628	PITTSBORO, SOUTHERN LOOP, US 64 WEST TO US 64 EAST. CONSTRUCT TWO LANE FACILITY ON MULTI-LANE RIGHT OF WAY.	32300			
US 64	B-2209	SOUTHERN RAILWAY. REPLACE BRIDGE NO. 11	672		R(CFA) 22 RIGHT OF WAY - FFY 93 C(CFA) 650 CONSTRUCTION - FFY 94	
US 421 WBL	B-2526	DEEP RIVER. REPLACE BRIDGE NO. 51	2990		R(CFA) 390 RIGHT OF WAY - FFY 96 C(CFA) 2600 CONSTRUCTION - FFY 97	
NC 902	B-1121	ROCKY RIVER. REPLACE BRIDGE NO. 28	650	100	R(CFA) 25 RIGHT OF WAY - FFY 91 C(CFA) 525 CONSTRUCTION - FFY 92	
SR 1010	B-2527	ROCKY RIVER. REPLACE BRIDGE NO. 145	1725		R(MFA) 225 RIGHT OF WAY - FFY 95 C(MFA) 1500 CONSTRUCTION - FFY 96	
SR 1011	B-1126	DEEP RIVER. REPLACE BRIDGE NO. 418	1468	168	C(CFA) 1300 RIGHT OF WAY - FFY 96	
SR 2145	B-2014	GEORGES CREEK. REPLACE BRIDGE NO. 154	422		R(MFA) 22 RIGHT OF WAY - FFY 94 C(MFA) 400 CONSTRUCTION - FFY 95	

PART COMPLETE-PART UNDER CONSTRUCTION

POST YEAR CONSTRUCTION-19200

SCHEDULED FOR RIGHT OF WAY PROTECTION

* INDICATES INTRASTATE PROJECT

ALL SCHEDULES SUBJECT TO AVAILABILITY OF FUNDS

HIGHWAY PROGRAM

CHATHAM COUNTY

				91	92	93	94	95	96	97
SR 2153	B-807	DEEP RIVER. REPLACE BRIDGE NO. 155	1068	143	C(NFA)	925	CONSTRUCTION - FFY 91			
SR 2155	B-2015	BEAR CREEK. REPLACE BRIDGE NO. 149	622		R(NFA) C(NFA)	22	RIGHT OF WAY - FFY 94 600 CONSTRUCTION - FFY 95			
SR 2306	B-1124	INDIAN CREEK. REPLACE BRIDGE NO. 201	777	102	C(FA)	675	CONSTRUCTION - FFY 92			
SR 2145	Z-2152A	NEAR GULF AT CAROLINA AND NORTHWESTERN RAILWAY 465 954G. INSTALL AUTOMATIC WARNING DEVICES.	44	44	C(RR)		FUNDED-CONSTRUCTION FFY 91			

• INDICATES INTRASTATE PROJECT

ALL SCHEDULES SUBJECT TO AVAILABILITY OF FUNDS

Transportation Improvement Program

DIVISION 5

North Carolina Department of Transportation

HIGHWAY PROGRAM

WAKE COUNTY

ROUTE/CITY	ID NO.	LOCATION AND DESCRIPTION	TOTAL EST. COST (THOU)	PRIOR YEARS COST (THOU)	WORK TYPE (FUNDING) EST. COST (THOU)	SCHEDULE FISCAL YEAR
						91 92 93 94 95 96 97
I-40	I-2203	WADE AVENUE WEST OF RALEIGH TO DUPLIN COUNTY LINE. (65.0 MILES) LOGO SIGNING.	390		C(1R) 390 CONSTRUCTION - FFY 95	
I-40	I-2204 *	NC 147 IN RESEARCH TRIANGLE TO BRADSHAW FREEWAY AT WADE AVENUE. (9.4 MILES) WIDEN EXISTING ROADWAY TO EIGHT LANES.	49650	13650	P D	
US 1	R-205 *	RICHLAND CREEK TO YOUNGSVILLE. (7.6 MILES) WIDEN EXISTING TWO LANE ROADWAY TO A FOUR LANE DIVIDED FACILITY.	16098	898	D R(T) 2400 C(T) 12800	
US 1	R-2500 *	FOUR LANES NORTH OF US 15-501 TO US 64. (26.5 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FREEWAY.	52155	50	P D R(T) 500 C(T) 32705	
NC 55	R-2540	US 421 TO US 401. UPGRADE EXISTING ROADWAY.				
NC 55	R-2541	HOLLY SPRINGS BYPASS. TWO LANE FACILITY ON MULTI-LANE RIGHT OF WAY, NEW LOCATION.	6800			
US 64	R-2318 *	FOUR LANES EAST OF LAKE JORDAN TO US 1-64 AT CARY. (11.0 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY.	28343	1060	D R(F) 5433 C(F) 12650 C(T) 9200	

POST YEAR CONSTRUCTION-18900

SCHEDULED FOR FEASIBILITY STUDY AND/OR
RIGHT OF WAY PROTECTION

SCHEDULED FOR RIGHT OF WAY PROTECTION

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HIGHWAY PROGRAM

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US 401	R-2609	MULTI-LANES NORTH OF FAYETTEVILLE TO FUYWAY-VARINA. WIDEN EXISTING ROADWAY TO A MULTI-LANE FACILITY.	94900	SCHEDULED FOR RIGHT OF WAY PROTECTION	
SR 1999 EXT.	R-2121	DAVIS DRIVE EXT., SR 1635 IN WAKE COUNTY TO HOPSON ROAD (SR 1978) IN DURHAM COUNTY. (3.8 MILES) TWO LANE FACILITY ON FOUR LANE RIGHT OF WAY, NEW LOCATION, AND PAVE SR 1613 (1.1 MILES) FROM KOPPERS ROAD TO CARPENTERS ROAD.	5423	5423 C(S)	<div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div>UNDER CONSTRUCTION</div>
EASTERN BLVD	R-2634	EASTERN BOULEVARD, AVIATION BOULEVARD CONNECTOR TO NORTHERN WAKE EXPRESSWAY. (1.0 MILES) FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.	12300	P D R(F) 1000 C(F) 11300	<div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>
NEW ROUTE	R-2000 *	NORTHERN WAKE EXPRESSWAY, NC 55 WEST OF MORRISVILLE TO US 64 E NEAR KNIGHTDALE. (29.0 MILES) FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.	358838	8463 D R(F) 68175 C(F) 146200	<div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div>POST YEAR ROW AND CONSTRUCTION-136000 EIS FUNDED BY CITY OF RALEIGH</div>
NEW ROUTE	R-2635 *	NORTHERN WAKE EXPRESSWAY, US 1 SOUTH TO NC 55. (10.3 MILES) FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.	111200	P D	<div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> </div> <div>POST YEAR ROW AND CONSTRUCTION-111200</div>
NEW ROUTE	R-2641	EAST WAKE EXPRESSWAY, PROPOSED US 64 BYPASS TO US 64 EAST. FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.			SCHEDULED FOR ENVIRONMENTAL SCREENING AND/OR RIGHT OF WAY PROTECTION
NEW ROUTE	R-2721	SOUTHERN WAKE LOOP, US 1 SOUTH TO US 401 SOUTH. FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.			SCHEDULED FOR FEASIBILITY STUDY AND/OR RIGHT OF WAY PROTECTION

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HUNTER STREET EXTENSION. SALEM STREET TO OLD RALEIGH ROAD. (0.5 MILES) TWO LANE FACILITY ON NEW LOCATION.

U-2301

APEX

75

1260

D
R(S)) 360
C(S)) 725
C(C)) 100

EVANS ROAD EXTENSION (SR 1653). (0.7 MILES) AVIATION PARKWAY (SR 1002) TO WESTON PARKWAY (SR 1795). CONSTRUCT FOUR LANE CURB AND GUTTER FACILITY ON NEW LOCATION.

U-2403

CARY

50

2500

D
C(S)) 1225
C(C)) 1225

MAYNARD ROAD, SR 1615 (HI HOUSE ROAD) TO NC 54. (1.5 MILES) CONSTRUCT THREE LANE FACILITY ON NEW LOCATION.

U-2503

CARY

1600

C(S)) 800
C(C)) 800

REGENCY PARK, AVENUE OF THE ESTATES TO PENNY ROAD. CONSTRUCT FOUR LANE DIVIDED FACILITY ON NEW LOCATION.

U-2732

CARY

800

C(S)) 400
C(C)) 400

TIMBER DRIVE, US 70 TO NC 50. (3.8 MILES) FOUR LANE FACILITY, PART ON NEW LOCATION.

U-604

GARNER

2250

10090

D
R(S)) 1640
C(S)) 4200
C(C)) 2000

PARTICIPATION BY CITY OF GARNER OF \$2 MILLION

HAMMOND ROAD. US 70 TO RUSH STREET. (2.7 MILES) MULTI-LANE ROADWAY ON NEW LOCATION.

U-515

RALEIGH

7153

18663

D
R(S)) 200
C(S)) 1000

PART COMPLETE POST YEAR ROW AND CONSTRUCTION-10310

ALL SCHEDULES SUBJECT TO AVAILABILITY OF FUNDS

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WAKE COUNTY

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RALEIGH	U-2582	SR 3009 EXTENSION (EDWARDS MILL ROAD), TRINITY ROAD TO DURALEIGH ROAD. MULTI-LANE FACILITY ON NEW LOCATION.	14755	SCHEDULED FOR RIGHT OF WAY PROTECTION	
RALEIGH	U-2719	US 1, I-40 TO WADE AVENUE. WIDEN EXISTING ROADWAY TO SIX LANES.		SCHEDULED FOR FEASIBILITY STUDY AND/OR RIGHT OF WAY PROTECTION	
SR 1006	B-1419	SWIFT CREEK. REPLACE BRIDGE NO. 254	735	735 C(NFA)	UNDER CONSTRUCTION
SR 1012	B-2173	CRABTREE CREEK AND NORFOLK-SOUTHERN RAILWAY (MBL). REPLACE BRIDGE NO. 1	3196	225 R(FA) C(FA)	179 RIGHT OF WAY - FFY 92 2792 CONSTRUCTION - FFY 92
SR 1300	B-2222	US 1-64. WIDEN EXISTING BRIDGE NO. 171	1626	1626 C(S)	UNDER CONSTRUCTION
SR 1301	B-2174	MIDDLE CREEK. REPLACE BRIDGE NO. 315	217	R(NFA) C(NFA)	42 RIGHT OF WAY - FFY 95 175 CONSTRUCTION - FFY 96
SR 1619	B-2653	LEAD MINE CREEK. REPLACE BRIDGE NO. 98	450	C(FA)	450 CONSTRUCTION - FFY 91
SR 1820	B-2176	LEAD MINE CREEK. REPLACE BRIDGE NO. 99	477	25 R(FA) C(FA)	52 RIGHT OF WAY - FFY 92 400 CONSTRUCTION - FFY 93
SR 2012	B-1414	PERRY CREEK. REPLACE BRIDGE NO. 100	379	50 R(S) C(S)	29 RIGHT OF WAY - FFY 91 300 CONSTRUCTION - FFY 92
SR 2030	B-2075	SEABOARD SYSTEM RAILROAD. REPLACE BRIDGE NO. 470	827	130 R(NFA) C(NFA)	72 RIGHT OF WAY - FFY 92 625 CONSTRUCTION - FFY 93
SR 2308	B-1418	LITTLE RIVER. REPLACE BRIDGE NO. 176	400	72 R(NFA) C(NFA)	28 RIGHT OF WAY - FFY 91 300 CONSTRUCTION - FFY 92
SR 2501	B-1416	MARKS CREEK. REPLACE BRIDGE NO. 465	165	34 C(POC)	131 CONSTRUCTION - FFY 93
SR 3008	B-2655	SEABOARD AND NORFOLK SOUTHERN RAILWAY. REPLACE BRIDGE NO. 528	805	R(FA) C(FA)	105 RIGHT OF WAY - FFY 95 700 CONSTRUCTION - FFY 96

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SR 1108	Z-2540B	WAKE CHAPEL ROAD IN FUGUAY-VARINA AT CAROLINA AND NORTHWESTERN RAILROAD CROSSING 465 825S. REVISE AUTOMATIC WARNING DEVICES.	65	2	C(RR)	63	CONSTRUCTION - FFY 92			
SR 1308	Z-2440A	NEAR APEX AT CSX RAILROAD CROSSING 630 689X. INSTALL AUTOMATIC WARNING DEVICES.	82	68	C(RR)	14	CONSTRUCTION - FFY 91			
SR 2558 GUY ROAD	Z-2740A	NEAR GARNER AT SOUTHERN RAILWAY CROSSING 735 390W. INSTALL AUTOMATIC WARNING DEVICES.	70		C(RR)	70	CONSTRUCTION - FFY 93			
SR 2713	Z-2340B	IN GARNER AT SOUTHERN RAILWAY CROSSING 735 324J. REVISE AUTOMATIC WARNING DEVICES.	79	79	C(RR)		FUNDED-CONSTRUCTION FFY 91			
SR 2724	Z-2740B	NEAR WILLOW SPRINGS AT SOUTHERN RAILWAY CROSSING 465 800W. INSTALL AUTOMATIC WARNING DEVICES.	70		C(RR)	70	CONSTRUCTION - FFY 93			
SR 3014	Z-2540A	CEDAR STREET IN MORRISVILLE AT SOUTHERN RAILWAY CROSSING 734 753J. INSTALL AUTOMATIC WARNING DEVICES.	65	2	C(RR)	63	CONSTRUCTION - FFY 92			

William B. McGuire

HIGHWAY PROGRAM

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	I-2737	EAST OF NC 16 TO I-77. (1.8 MILES) SAFETY IMPROVEMENTS.	28	C(IR)	28 CONSTRUCTION - FFY 92	
I-277						
NC 16	R-58	FOUR LANE SECTION NORTH OF CHARLOTTE TO NORTH OF LUCIA. (9.7 MILES) FOUR LANE DIVIDED FACILITY ON NEW LOCATION.	31676	29576 C(F) 2100		UNDER CONSTRUCTION
NC 24-27	R-203 *	SR 3128 TO NC 51. (5.9 MILES) WIDEN EXISTING TWO LANE ROADWAY TO A MULTI-LANE FACILITY.	20377	14177 D C(T) 6200		UNDER CONSTRUCTION
NC 24-27	R-615 *	NC 51 TO US 601. (7.0 MILES) WIDEN EXISTING TWO LANE ROADWAY TO FOUR LANES.	17778	423 P D R(T) 4255 C(T) 7600		POST YEAR CONSTRUCTION-5500
NC 49	R-2215	UNCC TO HARRISBURG. (4.2 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY WITH FIVE LANES IN HARRISBURG.	8860	300 P D R(F) 4960 C(F) 3600		
NC 51	R-2012	MATTHEWS BYPASS. (3.3 MILES) FOUR LANE DIVIDED FACILITY ON NEW LOCATION WITH AN INTERCHANGE AT US 74.	26491	11721 D R(M) 1980 C(M) 12790		PART UNDER CONSTRUCTION
NC 73	R-2555	SOUTH OF SR 2144 TO SR 2195. (3.7 MILES) ADD ADDITIONAL LANES AND MAKE SAFETY IMPROVEMENTS.	4600	200 P D R(S) 300 C(S) 4100		

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NEW ROUTE	R-2248 *	CHARLOTTE OUTER LOOP, I-77 SOUTH TO I-85 NORTH (WESTSIDE). (28.0 MILES) FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.	322245	1145	P D R(C) 27000 C(C) 16400		POST YEAR CONSTRUCTION-277700
NEW ROUTE	R-2420	CHARLOTTE, NC 49-GRAHAM STREET CONNECTOR. (2.8 MILES) FOUR LANE DIVIDED FACILITY ON NEW LOCATION.	40390	300	P D R(S) 2260 R(O) 5000 C(S) 8500		POST YEAR ROW AND CONSTRUCTION-24330
NEW ROUTE	R-2424	CHARLOTTE OUTER-OUTER LOOP. MULTI-LANE FACILITY ON NEW LOCATION.					
NEW ROUTE	R-2632	DAVIDSON-CORNELIUS BYPASS, US 21 AT SR 2145 TO I-77 AT SR 1102. (14.4 MILES) UPGRADE EXISTING TWO LANE ROADWAY AND CONSTRUCT TWO LANES ON MULTI-LANE RIGHT OF WAY, NEW LOCATION.	16300		P D R(C) 3000 C(C) 3000		POST YEAR CONSTRUCTION-10300
CHARLOTTE	U-209 *	INDEPENDENCE BOULEVARD, EAST 7TH STREET TO ALBEMARLE ROAD. (3.9 MILES) WIDEN EXISTING ROADWAY TO A MULTI-LANE EXPRESSWAY.	86693	20863	D R(C) 16230 C(C) 5000		PART UNDER CONSTRUCTION POST YEAR ROW AND CONSTRUCTION-44600
CHARLOTTE	U-209 B	INDEPENDENCE BOULEVARD, ALBEMARLE ROAD TO IDLEVILD ROAD. (1.2 MILES) WIDEN EXISTING ROADWAY TO A MULTI-LANE FACILITY AND MAKE SAFETY IMPROVEMENTS.	25000		D		POST YEAR ROW AND CONSTRUCTION-25000

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CHARLOTTE	U-609	HARKIS BOULEVARD EXTENSION, I-77 AT SR 2113 TO I-85. (5.5 MILES) WIDEN EXISTING TWO LANE ROADWAY TO A MULTI-LANE FACILITY.	12085	8835	D C(S) 3250		PART COMPLETE
CHARLOTTE	U-2005	NEWELL-HICKORY GROVE ROAD (SR 2853), NC 24-27 TO SR 2935. (4.1 MILES) WIDEN EXISTING ROADWAY TO A MULTI-LANE FACILITY.	12970	6170	D R(M) C(M) 6800		UNDER CONSTRUCTION
CHARLOTTE	U-2303	SR 2472 (MALLARD CREEK CHURCH ROAD), MALLARD CREEK ROAD TO I-85. (1.5 MILES) FOUR LANE DIVIDED FACILITY WITH INTERCHANGE LIGHTING.	4022	4022	C(S)		UNDER CONSTRUCTION
CHARLOTTE	U-2505	NC 49-SR 2665 (HARRIS BOULEVARD). MODIFY EXISTING INTERCHANGE.	775		D C(S) 775		RIGHT OF WAY BY DEVELOPER
CHARLOTTE	U-2506	REA ROAD EXTENSION, WEDDINGTON ROAD TO PROPOSED CHARLOTTE OUTER LOOP. (3.2 MILES) MULTI-LANE AND TWO LANE CONSTRUCTION ON NEW LOCATION.	7850		P D R(S) 2100 C(S) 5750		PLANNING AND DESIGN BY OTHERS
CHARLOTTE	U-2507	MALLARD CREEK ROAD, GRAHAM STREET EXTENSION TO MALLARD CREEK CHURCH ROAD. (3.7 MILES) WIDEN EXISTING FACILITY TO A MULTI-LANE FACILITY, PART ON NEW LOCATION.	10555	200	P D R(M) 1135 C(M) 2950		POST YEAR ROW AND CONSTRUCTION-6270 RIGHT OF WAY PARTICIPATION BY OTHERS

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CHARLOTTE	U-2508	SR 2472 AND SR 2833 (MALLARD CREEK CHURCH ROAD), I-85 TO NC 49. (2.4 MILES) WIDEN EXISTING FACILITY TO A MULTI-LANE FACILITY.	9050	50	R(S) 1450 C(S) 3450		POST YEAR ROW AND CONSTRUCTION-4100
CHARLOTTE	U-2509	US 74 (INDEPENDENCE BOULEVARD), CHARLOTTE OUTER LOOP TO IDLEWILD ROAD. ADD ADDITIONAL LANES TO EXISTING FACILITY AND MAKE SAFETY IMPROVEMENTS.	7400				SCHEDULED FOR RIGHT OF WAY PROTECTION
CHARLOTTE	U-2510	NC 16 (OLD PROVIDENCE ROAD), NC 84 IN UNION COUNTY TO EXISTING FOUR LANES IN MECKLENBURG COUNTY. (9.5 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE FACILITY.	20680		P D R(M) 3000 C(M) 4000		POST YEAR ROW AND CONSTRUCTION-13680
CHARLOTTE	U-2511	GRAHAM STREET-MINT STREET. RELOCATION OF EXISTING STREETS BETWEEN WEST SECOND STREET AND MOREHEAD STREET. MULTI-LANE CURB AND GUTTER FACILITY WITH SIDEWALKS.	7954	5900	D R(S) 54 C(S) 2000
CHARLOTTE	U-2512	NC 49 (YORK ROAD), TYVOLA ROAD EXTENSION TO CAROWINDS BOULEVARD. (4.7 MILES) ADDITIONAL LANES AND SAFETY IMPROVEMENTS.	6900		C(S) 1750		POST YEAR CONSTRUCTION-5150
CHARLOTTE	U-2704	BILLY GRAHAM PARKWAY/WILKINSON BOULEVARD. INTERSECTION IMPROVEMENTS.					SCHEDULED FOR FEASIBILITY STUDY AND/OR RIGHT OF WAY PROTECTION
CHARLOTTE MATTHEWS	U-2705	SARDIS - WEDDINGTON CONNECTOR, NORTH OF PROPOSED CHARLOTTE OUTER LOOP TO SARDIS ROAD NORTH OF NC 51. CONSTRUCT MULTI-LANE FACILITY ON NEW LOCATION.					PROGRAMMED FOR EIS ONLY

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CHARLOTTE	U-2706	WESTINGHOUSE BOULEVARD, CARPET STREET TO DOWNS ROAD. CONSTRUCT MULTI-LANE FACILITY ON NEW LOCATION.	3300	P D R(M) 1300 C(M) 500						
NC 27	B-1193	CATAUBA RIVER. REPLACE BRIDGE NO. 66	3158	50	R(FA) 508 RIGHT OF WAY - FFY 94 C(FA) 2600 CONSTRUCTION - FFY 95					
US 29	B-1281	SEABOARD SYSTEM RAILROAD. REPLACE BRIDGE NO. 101	1656	150	R(FA) 206 RIGHT OF WAY - FFY 91 C(FA) 1300 CONSTRUCTION - FFY 92					
SR 2074	B-2589	MCDONELL CREEK. REPLACE BRIDGE NO. 131	345		R(NFA) 20 RIGHT OF WAY - FFY 97 C(NFA) 325 CONSTRUCTION - POST YEAR					
SR 2110	B-2056	LONG CREEK. REPLACE BRIDGE NO. 104	327	5	R(NFA) 22 RIGHT OF WAY - FFY 91 C(NFA) 300 CONSTRUCTION - FFY 92					
SR 2417	B-2590	WEST BRANCH ROCKY RIVER. REPLACE BRIDGE NO. 91	635		R(NFA) 85 RIGHT OF WAY - FFY 96 C(NFA) 550 CONSTRUCTION - FFY 97					
SR 2861	B-2591	NORFOLK SOUTHERN RAILROAD. REPLACE BRIDGE NO. 56	455		R(NFA) 20 RIGHT OF WAY - FFY 97 C(NFA) 435 CONSTRUCTION - POST YEAR					
SR 3110	B-2592	CLEAR CREEK. REPLACE BRIDGE NO. 65	235		R(S) 10 RIGHT OF WAY - FFY 95 C(S) 225 CONSTRUCTION - FFY 96					
SR 3600	B-2151	MC MULLEN CREEK. REHABILITATE BRIDGE NO. 240	1219	1219	C(FA) UNDER CONSTRUCTION					
CHARLOTTE	B-1451	MOUNTAIN BROOK ROAD OVER MC MULLEN CREEK. REPLACE BRIDGE NO. 415	394	394	C(NFA-M) UNDER CONSTRUCTION					
CHARLOTTE	B-1454	SARDIS ROAD NORTH OVER SARDIS BRANCH. REPLACE BRIDGE NO. 446	439	439	C(NFA-M) UNDER CONSTRUCTION					
MINT HILL	B-2223	TRU ELIGHT CHURCH ROAD OVER BRANCH OF CLEAR CREEK. REPLACE BRIDGE NO. 367	360	75	R(NFA-M) 35 RIGHT OF WAY - FFY 91 C(NFA-M) 250 CONSTRUCTION - FFY 91					

POST YEAR CONSTRUCTION-1500

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SR 1784	Y-400	IN CHARLOTTE AT CSX RAILROAD CROSSING 631 420W. REVISE AUTOMATIC WARNING DEVICES.	67	67	C(RR)	UNDER CONSTRUCTION
SR 1609	Z-2367A	RYHNE ROAD AT CSX RAILROAD CROSSING 631 320S. INSTALL AUTOMATIC WARNING DEVICES.	134	134	C(RR)	UNDER CONSTRUCTION
SR 1644	Z-2267A	TODDVILLE ROAD IN CHARLOTTE AT CSX RAILROAD CROSSING 631 799L. INSTALL AUTOMATIC WARNING DEVICES, WIDEN SR 1784 FOR LEFT TURN LANE AT SR 1644, AND INSTALL TRAFFIC SIGNAL.	222	1	C(RR)	221 CONSTRUCTION - FFY 91
SR 2427	Z-2167A	NEAR HUNTERSVILLE AT SOUTHERN RAILWAY CROSSING 721 732D. INSTALL AUTOMATIC WARNING DEVICES.	48	48	C(RR)	UNDER CONSTRUCTION
SR 2523	Z-2767C	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 730 131T. INSTALL AUTOMATIC WARNING DEVICES.	70		C(RR)	70 CONSTRUCTION - FFY 93
SR 2805	Z-2567C	NEAR CHARLOTTE AT ABERDEEN, CAROLINA AND WESTERN RAILROAD CROSSING 726 808Y. INSTALL AUTOMATIC WARNING DEVICES.	63	63	C(RR)	FUNDED-CONSTRUCTION FFY 92
SR 3453	Z-2467D	NEAR MATTHEWS AT CSX RAILROAD CROSSING 631 932W. INSTALL AUTOMATIC WARNING DEVICES.	70	70	C(RR)	FUNDED-CONSTRUCTION FFY 91
AMES STREET	Z-2567A	IN MATTHEWS AT CSX RAILROAD CROSSING 631 935J. INSTALL AUTOMATIC WARNING DEVICES.	65	2	C(RR)	63 CONSTRUCTION - FFY 92
KENSTEAD CIRCLE	Z-1067C	IN CHARLOTTE AT CSX RAILROAD CROSSING 631 801K. INSTALL AUTOMATIC WARNING DEVICES.	190	61	C(RR)	119 CONSTRUCTION - FFY 91
CHARLOTTE CRAIGHEAD ROAD	Z-2767A	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 715 355D. REVISE AUTOMATIC WARNING DEVICES.	70		C(RR)	70 CONSTRUCTION - FFY 93
CHARLOTTE	Z-2767B	SUMMIT AVENUE IN CHARLOTTE AT CSX RAILWAY CROSSING 631 414T. REVISE AUTOMATIC WARNING DEVICES.	70		C(RR)	70 CONSTRUCTION - FFY 93

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CHARLOTTE MORETZ AVENUE	Z-2767D	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 715 376W. INSTALL AUTOMATIC WARNING DEVICES.	70	C(RR)	70 CONSTRUCTION - FFY 93					
DONALD ROAD	Z-2467A	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 716 178E. REVISE AUTOMATIC WARNING DEVICES.	65	2 C(RR)	63 CONSTRUCTION - FFY 91					
NEW BERN ST.	Z-2467E	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 716 126W. INSTALL AUTOMATIC WARNING DEVICES.	65	2 C(RR)	63 CONSTRUCTION - FFY 91					
MORRIS AVENUE	Z-2567B	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 715 377D. INSTALL AUTOMATIC WARNING DEVICES.	65	C(RR)	65 CONSTRUCTION - FFY 92					
W. SUMMIT ROAD	Z-2467C	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 716 172N. REVISE AUTOMATIC WARNING DEVICES.	65	2 C(RR)	63 CONSTRUCTION - FFY 91					
36TH STREET	Z-2467B	IN CHARLOTTE AT SOUTHERN RAILWAY CROSSING 715 356K. REVISE AUTOMATIC WARNING DEVICES.	65	2 C(RR)	63 CONSTRUCTION - FFY 91					
NC 160	W-2701	NC 49 TO SR 1195 NEAR CHARLOTTE. WIDEN EXISTING ROADWAY TO 22 FEET.	250	C(MES)	250 CONSTRUCTION - FFY 92					
US 601	W-2703	0.7 MILE SOUTH OF SR 1952 NEAR MONROE. LOWER CREST VERTICAL CURVE.	215	C(MES)	215 CONSTRUCTION - FFY 92					

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Brunswick

Transportation Improvement Program

North Carolina Department of Transportation

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HIGHWAY PROGRAM

BRUNSWICK COUNTY

ROUTE/CITY	ID NO.	LOCATION AND DESCRIPTION	TOTAL EST. COST (THOU)	PRIOR YEARS COST (THOU)	WORK TYPE (FUNDING) EST. COST (THOU)	SCHEDULE FEDERAL FISCAL YEAR						
						91	92	93	94	95	96	97
US 17	R-83 *	NC 211 (SUPPLY) TO NC 87 (BELL SWAMP). (13.7 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY WITH A BYPASS OF BOLIVIA ON NEW LOCATION.	25537	15037	C(F) 5200 C(T) 5300							
						PART COMPLETE-PART UNDER CONSTRUCTION						
US 17	R-97 *	SOUTH CAROLINA STATE LINE TO NC 211 (SUPPLY). (21.5 MILES) WIDEN EXISTING ROADWAY TO A FOUR LANE DIVIDED FACILITY WITH A BYPASS OF SHALLOTTE ON NEW LOCATION.	43507	22907	C(T) 20600							
						PART COMPLETE-PART UNDER CONSTRUCTION						
US 17	R-2633 *	WILMINGTON BYPASS, US 17 SOUTH TO I-40. (20.2 MILES) FOUR LANE DIVIDED FREEWAY ON NEW LOCATION.	111165	575	P D R(T) 5290 C(T) 3000							
						POST YEAR CONSTRUCTION-102300						
US 74-76	R-2557	COLUMBUS COUNTY LINE TO EAST OF NC 87. (13.6 MILES) RESURFACE EXISTING ROADWAY AND CONSTRUCT TWO FOOT PAVED SHOULDERS.	1500		C(S) 1500							
NC 130	R-2571	US 17 TO HOLDEN BEACH. (11.0 MILES) WIDEN EXISTING ROADWAY TO A 28 FOOT SECTION.	6100		C(S) 6100							
						RIGHT OF WAY AND APPROACHES BY DEVELOPER						
NC 133	R-2572	SR 1518 TO SR 1543. (6.3 MILES) WIDEN EXISTING ROADWAY TO 22 FEET AND RESURFACE.	750	750	C(S)							
						FUNDED - CONSTRUCTION - FFY 91						
NC 133	R-2573	SR 1530 TO SR 1518. WIDEN AND RESURFACE EXISTING ROADWAY.										
						SCHEDULED FOR FEASIBILITY STUDY BY DIVISION						

• INDICATES INTRASTATE PROJECT

ALL SCHEDULES SUBJECT TO AVAILABILITY OF FUNDS

HIGHWAY PROGRAM

BRUNSWICK COUNTY

						91	92	93	94	95	96	97
US 17	K-97	REST AREA/VISITOR INFORMATION CENTER ON RELOCATED US 17 AT NC 130 NEAR SHALLOTTE. REPLACEMENT FOR EXISTING REST AREA AT SUPPLY.	1350	1350	C(F)			UNDER CONSTRUCTION				
NC 12-US 421	F-2400	IMPROVE SHORE FACILITIES (BASIN AND BULKHEAD) AT CEDAR ISLAND, FORT FISHER AND SOUTHPORT FERRY DOCKS.	2500	2500	C(SF)			UNDER CONSTRUCTION				
US 421-SR 1540	F-2410	CONSTRUCT ONE NEW 'CHERRY CLASS' FERRY.	3000		C(SF)	3000	CONSTRUCTION - FFY 93					
SR 1472	U-912	WEST OF US 74-76 INTERCHANGE. WIDEN EAST OF SR 1462 TO WEST OF SR 1437 FOR LEFT-TURNS, RESURFACE (SR 1484 TO SR 1437) AND REMARK FOR LEFT-TURNS. INSTALL SIGNAL AT INTERSECTION OF SR 1472 AND SR 1435-1437.	200	200	C(HES)			UNDER CONSTRUCTION				

Section J: South Carolina

South Carolina

Four nuclear power reactors are located in the state of South Carolina: H.B. Robinson, Catawba, Oconee and Virgil C. Summer.

The H.B. Robinson site is located in Hartsville. In the next five years, SC 151 will be expanded to four lanes for 5.71 miles beginning at the Chesterfield County line. From SC 151 to near U.S. 15 Business, acquisition of right-of-way for U.S. 15 will allow for expansion outside the five year time frame.

The Virgil C. Summer Nuclear Station is located in Fairfield County. There are no plans in the South Carolina Improvement Plan and Program to modify infrastructure within Fairfield County. Plans of the Fairfield County government are not included in the state plans.

The Catawba Nuclear Station is located in York County. On I-77 work on the right-of-way will improve two sections of the interstate. Work will begin at SC 160 and extend to the North Carolina state line, and commence from SC 122 to SC160, for a combined length of 11.3 miles. Right-of-way improvement will also begin on SC 5 and on SC 161. I-77 and I-85 are also scheduled to receive highway access improvements. The Johnson Street Extension, from Wilson Street to SC 5, will undergo right-of-way expansion. Right-of-way expansion will also be a priority between U.S. 21 (Business) and SC 65. Construction on SC 195 between U.S. 21 and SC 161 will begin in the next five years. Construction will extend from east of near U.S. 21 to Tega Cay on Hold Hill Road. The SC 72 Bypass from SC 901 to U.S. 21 is currently in the engineering stage. Right-of-way construction on SC 55 from U.S. 321 to SC 557 is also scheduled to be completed in the next five years. The same process will be undertaken on SC 49 from SC 274 to the North Carolina state line.

The Oconee Nuclear Station is located in Oconee County. In the next five years, there are no plans by the South Carolina Improvement Plan to upgrade highway access within Oconee County. Although the local government of Oconee County upgrades its secondary roads, the South Carolina Improvement Program does not include county plans within its framework.

Planned modification to rail spurs by the individual companies were not known by the South Carolina Department of Transportation.

**SOUTH CAROLINA'S
STATE HIGHWAY IMPROVEMENT
PROGRAM**

**Adopted by the S.C. Highway Commission
March, 1991**

COMMISSION POLICY "STATE HIGHWAY IMPROVEMENT PROGRAM"

In order to provide for the most effective operation and the construction of the State's highway system, it shall be the policy of the South Carolina Department of Highways and Public Transportation Commission that a "state highway plan and program" be established.

The Commission shall annually endorse a highway improvement program describing the major improvements proposed to be made in ten years on the highway systems which are eligible for federal, SHIMS and state primary funds. The ten year program shall also include a five year element describing the work expected to be done within that time frame. The state highway improvement program, once endorsed, shall be published in such a manner that copies could be available at a nominal cost to the public.

All federal and state funds, regardless of their source, which are available for major improvements on the Interstate, federal aid primary, federal aid secondary, and federal aid urban systems shall be considered in developing the state highway improvement program. The program shall include only those improvements that can reasonably be expected to be funded and implemented within the program period.

The state highway plan shall reflect the long range highway improvements needed to serve the expected transportation demands of the state. All worthy improvements that have been identified, but not included in the state highway improvement program, shall be placed in the state highway plan for consideration for the next state highway improvement program.

In the development of the program and plan, it shall be the policy of the Commission to identify and evaluate improvements based on need, levels of congestion, system continuity and other general public benefits.

The Planning Office shall present to the Commission the procedures and factors used to develop its recommendations and describe the accomplishments since the last annual program was adopted. The Director of Planning should meet with the Executive Director and the State Highway Engineer to review any recommendations prior to presentation to the Commission.

DEVELOPMENTAL GUIDELINES

- * Four basic improvement types**
 - 1. Safety and spot improvements**
 - 2. Pavements and reconstruction**
 - 3. Bridge replacement**
 - 4. System upgrade**
- * Safety, pavements and bridge projects ranked by procedures currently underway**
- * System upgrade projects to be ranked by a transportation factor**
- * Transportation factor = V/C (75%) + Accident rate (5%) + Average VMT per lane mile (20%)**
- * Other information considered for system upgrade project selection:**
 - 1. Emergency access**
 - 2. Industrial development**
 - 3. Other major development**
 - 4. System continuity**

FUNDING ALLOCATIONS

- * Funds allocated to 4 improvement types based on an estimate of statewide need**
- * System upgrade funds allocated to three county groups**
 - 1. Highly developed counties (Red)**
 - 2. Moderately developed counties (Green)**
 - 3. Rural counties (Yellow)**
- * System upgrade allocation formula**
VMT (60%) + VMT per lane mile (10%) +
Population growth (15%) + Employment growth (15%)
- * Allocation of estimated funds to county groups**
 - 1. Highly developed counties (Red) – 34.3%**
 - 2. Moderately developed counties (Green) – 36.2%**
 - 3. Rural counties (Yellow) – 29.5%**
- * Interstate funds for system upgrade improvements are allocated on a statewide basis and are not allocated to the county groups**

COUNTY GROUPS

HIGHLY DEVELOPED COUNTIES (RED)

1. Charleston County
2. Greenville County
3. Lexington County
4. Richland County
5. Spartanburg County

MODERATELY DEVELOPED COUNTIES (GREEN)

1. Aiken County
2. Anderson County
3. Beaufort County
4. Berkeley County
5. Dorchester County
6. Florence County
7. Greenwood County
8. Horry County
9. Pickens County
10. Sumter County
11. York County

RURAL COUNTIES (YELLOW)

1. Abbeville County	16. Hampton County
2. Allendale County	17. Jasper County
3. Bamberg County	18. Kershaw County
4. Barnwell County	19. Lancaster County
5. Calhoun County	20. Laurens County
6. Cherokee County	21. Lee County
7. Chester County	22. McCormick County
8. Chesterfield County	23. Marion County
9. Clarendon County	24. Marlboro County
10. Colleton County	25. Newberry County
11. Darlington County	26. Oconee County
12. Dillon County	27. Orangeburg County
13. Edgefield County	28. Saluda County
14. Fairfield County	29. Union County
15. Georgetown County	30. Williamsburg County

STATEWIDE CANDIDATE PROJECT LIST
INTERSTATE SYSTEM UPGRADE PROGRAM

3/20/91

ROUTE	COUNTY	5 YEAR WORK ACT.	BEGINNING POINT	ENDING POINT	LGTH.	REMAINING EST. COST ADJUSTED (\$1000)	V/C HT.		TRANS. FACTOR	CUM. COST (\$1000'S)
								0.75		
I-526	CHARLESTON	CONS US 52		US 17	11.80	\$0		2.69	2.230	\$0
I-20/I-26 CON.	LEXINGTON	ROW ST. ANDREWS		US 378 (INC. INTERCHS.)	4.50	\$85,000		2.50	2.088	\$85,000
I-26	CHARLESTON	ROW US 52 CON.		S- 13	3.40	\$34,000		1.88	1.621	\$119,000
I-26	BERKELEY	ROW US 52 CON.		US 17 A	9.10	\$50,050		1.79	1.552	\$169,050
I-385	GREENVILLE	PE I-85		US 276 (DOWNTOWN)	5.70	\$31,350		1.54	1.367	\$200,400
I-77	YORK	ROW SC 160		N.C. LINE (US 21)	4.90	\$26,950		1.53	1.361	\$227,350
I-77	YORK	ROW SC 122		SC 160	6.40	\$35,200		1.53	1.361	\$262,550
I-26	LEXINGTON	CONS PINEY GROVE RD.		N. US 176 (INC. INTERCHS.)	3.80	\$20,900		1.49	1.327	\$283,450
I-77	RICHLAND	CONS US 76		I-20	8.60	\$30,000		1.47	1.317	\$313,450
I-85	GREENVILLE	CONS SALUDA RIVER		NEEDY RIVER	4.00	\$56,000		1.46	1.307	\$369,450
I-85	GREENVILLE	CONS PELHAM RD. (S-492)		SC 14	3.20	\$17,600		1.46	1.307	\$387,050
I-85 RELOC.	SPARTANBURG	CONS SC 129		NEAR RD. 57	9.50	\$15,000		1.34	1.216	\$402,050
CONWAY B.P.	HORRY	ROW US 501		US 17	28.50	\$285,000		1.31	1.117	\$687,050
I-85	SPARTANBURG	PE SC 14		US 29	10.30	\$56,650		1.17	1.087	\$743,700
I-85	SPARTANBURG	PE US 29		SC 129	2.10	\$11,550		1.09	1.031	\$755,250
I-85	SPARTANBURG	PE S-57		S-39	6.60	\$36,300		0.91	0.892	\$791,550
I-85	CHEROKEE	ROW S-39		S-82	8.20	\$45,100		0.90	0.884	\$836,650
I-85	CHEROKEE	CONS S-82		SC 198	7.20	\$39,600		0.84	0.840	\$876,250
I-85	ANDERSON	PE SC 81		US 29	7.10	\$39,050		0.76	0.780	\$915,300
I-26	RICHLAND	PE N. US 176		S-48	10.00	\$55,000		0.76	0.706	\$970,300
I-85	ANDERSON	PE SC 81		US 29	7.70	\$42,350		0.67	0.640	\$1,012,650
I-385	LAURENS	ROW I-26		US 276 (MAJOR REHAB)	30.00	\$78,000		0.43	0.535	\$1,090,650

Catawba (York County)

STATISTICAL CANDIDATE PROJECT LIST

3/20/91

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GREEN COUNTY GROUP

ROUTE	COUNTY	5 YEAR 10 YR. PROG. HRS. PENDING	ACT. & 20 YR. PLAN	BEGINNING POINT	ENDING POINT	LGTH.	EST. COST ADJUSTED ADT. (\$1000)	V/C	TRANS. FACTOR	SHINS SOEC. FACTOR	CUR. COST (\$1000'S)		
US 78	DORCHESTER	ROB SHINS - TR.	S-22	SC 27	SC 27	4.60	\$6,440	13308	2.83	2.305	3.201	0.923	\$6,440
US 78	DORCHESTER	ROB SHINS - TR.	S-22	S-50	S-50	1.34	\$1,876	13308	2.83	2.305	3.401	0.923	\$8,316
SC 170	BEAUFORT	ROB SHINS - TR.	US 270	JASPER CO. LINE	JASPER CO. LINE	5.00	\$7,000	10073	2.31	1.931	2.313	0.811	\$15,316
US 78	DORCHESTER	ROB SHINS - TR.	SC 165	US 17A	US 17A	1.91	\$2,674	16402	1.00	1.733	2.452	0.923	\$17,990
SC 5	YORK	ROB SHINS - TR.	SC 5	SC 161	SC 161	4.24	\$5,936	5571	1.19	1.355	1.185	0.627	\$23,926
US 78	DORCHESTER	ROB SHINS - TR.	S-50	SC 165	SC 165	2.60	\$3,752	12422	3.37	1.215	2.015	0.923	\$27,678
US 78	DORCHESTER	ROB SHINS - S.H.C.	S-16	SC 165	SC 165	2.53	\$3,542	7752	1.65	1.408	1.949	0.923	\$31,220
SC 9	HORRY	CONS SHINS - S.H.C.	MARION COUNTY	S-636	S-636	10.60	\$14,840	6412	1.36	1.257	1.814	0.735	\$46,060
US 521	SUTHER	PE SHINS - S.H.C.	CLARENCE CO. LINE	CALLER DR.	CALLER DR.	7.10	\$9,940	5556	1.10	1.033	1.732	0.732	\$56,000
US 78	DORCHESTER	ROB SHINS - S.H.C.	ORANGEBURG CO. LINE	S-16	S-16	4.00	\$5,712	4910	1.04	0.925	1.345	0.923	\$61,712
1-77/1-85 CON. YORK		PE SHINS - TRNS.	1-77	1-85	1-85	40.00	\$100	3747	0.21	0.392	0.216	0.627	\$61,812
AND. CON.		ROB SHINS	US 29	SC 81	SC 81	6.70	\$9,300	16473	3.50	2.775	3.505	0.623	\$71,192
CR. IS. R.P.		CONS SHINS	US 270	SEA PINES CIRCLE	SEA PINES CIRCLE	5.50	\$7,700	54273	3.10	2.657	3.451	0.811	\$78,892
US 17	BEAUFORT	CONS SHINS	POCALICO	US 21 (CARBENS CORNER)	US 21 (CARBENS CORNER)	6.90	\$9,660	11742	2.50	2.055	3.040	0.811	\$80,552
US 17	BEAUFORT	CONS SHINS	US 21 (CARBENS CORNER)	COLLETON CO. LINE	COLLETON CO. LINE	5.92	\$8,280	11656	2.44	1.994	2.907	0.811	\$96,840
SC 161	YORK	CONS SHINS	1-77	SC 75 CORN.	SC 75 CORN.	3.50	\$4,900	17849	1.96	1.877	2.061	0.627	\$101,740
US 270 CON	BEAUFORT	CONS SHINS	US 17	US 270 (DEANPORT CO.)	US 270 (DEANPORT CO.)	7.50	\$10,500	8592	1.83	1.632	2.378	0.811	\$112,240
US 78	ALLEN	CONS SHINS	BEAR SC 110	S-1304	S-1304	7.70	\$10,700	7494	1.59	1.327	1.894	0.755	\$123,020
US 78	ALLEN	CONS SHINS	S-1304	S-54	S-54	5.00	\$7,000	7494	1.59	1.327	1.894	0.755	\$130,020
US 78	ALLEN	CONS SHINS	S-54	BARRELL CO. LINE	BARRELL CO. LINE	4.90	\$6,860	7494	1.59	1.327	1.894	0.755	\$136,800
SC 161	YORK	CONS SHINS	SC 5 BUS.	1-77	1-77	13.00	\$19,320	7428	1.50	1.321	1.600	0.627	\$156,200
US 25	GREENWOOD	CONS SHINS	US 25 BUS.	LAURENS CO. LINE	LAURENS CO. LINE	1.13	\$1,582	7273	1.55	1.297	1.847	0.656	\$157,702
SC 19	ALLEN	CONS SHINS	SC 110	1-20	1-20	4.33	\$6,062	12050	1.33	1.165	1.625	0.755	\$163,804
US 221	GREENWOOD	PE SHINS	SC 225	US 25/170	US 25/170	0.94	\$1,316	4031	1.04	0.966	1.041	0.656	\$163,160
US 221	GREENWOOD	PE SHINS	SC 10	SC 10	SC 10	2.25	\$3,150	4138	0.80	0.836	0.800	0.654	\$168,310
US 221	GREENWOOD	PE SHINS	SC 10	SC 225	SC 225	0.61	\$12,054	4138	0.80	0.811	0.800	0.654	\$180,364
SC 19	ALLEN	ROB SHINS	SC 191	ROGFIELD CO. LINE	ROGFIELD CO. LINE	1.99	\$2,766	2633	0.56	0.676	0.760	0.755	\$183,150
US 221	GREENWOOD	PE SHINS	MCCONNICE CO. LINE	SC 10	SC 10	1.15	\$1,610	2004	0.61	0.616	0.614	0.654	\$184,760
SC 19	ALLEN	ROB SHINS	1-20	SC 191	SC 191	3.95	\$5,530	5401	0.60	0.603	0.802	0.755	\$190,290
P 2602	HORRY	CONS P.A. - ORD.	US 501	US 17	US 17	1.00	\$1,400	17294	3.58	3.021	3.600	0.735	\$191,690
SC 274	YORK	CONS P.A. - ORD.	US 21	SC 161	SC 161	2.47	\$3,458	13042	2.77	2.447	2.775	0.627	\$195,140
US 76	PICKENS	CONS P.A. - ORD.	US 123	SC 93	SC 93	0.71	\$994	12532	2.67	2.386	2.666	0.770	\$196,142
US 221	GREENWOOD	ROB P.A. - ORD.	SC 72	S-136	S-136	0.90	\$1,260	11628	2.07	2.167	2.474	0.654	\$197,402
S 136	BEKLEY	CONS P.A. - ORD.	BEAUFORT ROAD	RED BANK	RED BANK	5.00	\$7,000	24831	2.73	2.133	2.729	1.150	\$204,402
S 199	DORCHESTER	CONS P.A. - ORD.	SC 165	SC 642	SC 642	3.50	\$4,900	22637	2.69	2.127	2.400	0.923	\$209,302
ASHBY RD BIT	FLORENCE	CONS P.A. - ORD.	S-343	US 52	US 52	2.00	\$1,000	21467	2.36	2.090	2.359	0.653	\$210,302
REYNOLDS CON.	GREENWOOD	ROB P.A. - ORD.	US 221	SC 10	SC 10	1.40	\$1,960	11142	2.37	2.009	2.471	0.654	\$212,262
US 176	BEKLEY	CONS P.A. - ORD.	S-45	US 52	US 52	3.00	\$4,200	12101	1.34	2.055	1.609	1.150	\$216,462
SC 72	YORK	PE P.A. - ORD.	SC 901	S-297 (REYNARD ST)	S-297 (REYNARD ST)	1.07	\$1,450	11129	1.55	2.026	1.553	0.627	\$217,960
CALLER DR.	SUTHER	CONS P.A. - ORD.	US 521 SOUTH	US 15	US 15	1.20	\$1,680	8778	1.87	1.967	1.868	0.732	\$219,640
S 230	DORCHESTER	CONS P.A. - ORD.	SC 642	CHARLESTON CO LINE	CHARLESTON CO LINE	2.30	\$3,220	17849	1.96	1.732	1.951	0.923	\$222,860
SC 125	ALLEN	PE P.A. - ORD.	US 25/SC 121	SC 278	SC 278	2.05	\$2,870	15834	1.74	1.616	1.740	0.755	\$225,730
JENSEN ST. BIT.	YORK	ROB P.A. - ORD.	WILSON ST.	SC 5	SC 5	0.50	\$700	15834	1.74	1.566	1.740	0.627	\$226,430
SC 33	PICKENS	CONS P.A. - ORD.	US 123	CLEMSON	CLEMSON	2.10	\$2,940	6646	1.41	1.372	1.514	0.770	\$229,370
S 37	BEKLEY	CONS P.A. - ORD.	S-250	US 52	US 52	1.20	\$1,680	15000	1.65	1.352	1.648	1.150	\$231,050
BEKLEY/RY CON.	YORK	ROB P.A. - ORD.	US 21 BUS.	S-65	S-65	1.00	\$1,400	12100	1.34	1.265	1.330	0.627	\$232,450
SC 125	ALLEN	PE P.A. - ORD.	US 25 BUSINESS	US 25/SC 121	US 25/SC 121	1.20	\$1,680	10962	1.20	1.235	1.205	0.755	\$234,130
S 50	GREENWOOD	CONS P.A. - ORD.	SC 72	US 25	US 25	3.16	\$4,340	6257	1.33	1.190	1.331	0.654	\$238,470
S 195	YORK	CONS P.A. - ORD.	US 21	SC 161	SC 161	1.60	\$2,240	4507	0.50	0.958	0.495	0.627	\$240,710
US 21 BUS.	YORK	ROB P.A. - ORD.	US 21	S-329	S-329	1.30	\$1,820	4872	0.54	0.663	0.635	0.627	\$242,530

S 469	HORRY	COB	P.A. - SEC.	S-359	US 17	21290	4.53	3.553	4.530	0.735	\$243,552
S 87	HORRY	PE	P.A. - SEC.	US 17 BUS.	SC 73	10886	2.32	3.207	2.316	0.735	\$243,832
SC 280	BEAUFORT	ROV	P.A. - SEC.	SC 170	SC 802	17782	3.70	3.059	3.703	0.811	\$248,312
S 99	GREENWOOD	ROV	P.A. - SEC.	US 221	US 72 BT-PASS	15297	3.25	2.883	3.255	0.654	\$250,412
S 215	HORRY	ROV	P.A. - SEC.	US 17	US 17 BUS.	16382	3.47	2.882	3.468	0.735	\$252,652
S 91	SUNTER	ROV	P.A. - SEC.	US 521	S-364	5398	1.15	2.872	1.148	0.732	\$253,492
S 51	HORRY	ROV	P.A. - SEC.	S-155	US 17	15668	3.33	2.866	3.334	0.735	\$256,012
S 136	HORRY	COB	P.A. - SEC.	25TH AVE. NORTH	US 11179	12843	2.73	2.825	2.733	0.735	\$257,132
S 15	HORRY	PE	P.A. - SEC.	US 501	US 17 BUS.	11400	2.43	2.638	2.426	0.735	\$259,092
S 13	FLORENCE	ROV	P.A. - SEC.	US 17	S-29	12157	2.59	2.266	2.507	0.653	\$266,932
SC 230	ALLEN	COB	P.A. - SEC.	S-896	1-20	11680	2.67	2.264	2.970	0.735	\$268,612
S 1072	BEAUFORT	PE	P.A. - SEC.	US 52	P-0801	6995	1.49	2.222	1.408	1.158	\$269,172
S 44	SUNTER	ROV	P.A. - SEC.	S-333	US 278	13189	2.81	2.201	2.806	0.811	\$271,412
S 271	SUNTER	PE	P.A. - SEC.	US 15	S-53	3169	0.67	2.167	0.674	0.732	\$273,232
S 302	BEAUFORT	PE	P.A. - SEC.	S-80	S-243	12264	2.61	2.160	2.609	0.811	\$275,192
QUT/A.P. CON.	FLORENCE	ROV	P.A. - SEC.	US 76/301	S-76	19899	2.19	2.151	2.267	0.653	\$278,832
SC 93 CON.	PICKENS	PE	P.A. - SEC.	SC 93	US 123	12164	2.59	2.127	2.608	0.770	\$279,532
S 556	HORRY	PE	P.A. - SEC.	SC 93/US 123 CON.	SC 8	12164	2.62	2.103	2.616	0.735	\$282,192
SC 153 BRT.	PICKENS	PE	P.A. - SEC.	S-15	US 17 BUS.	11885	2.53	2.103	2.529	0.770	\$290,032
SC 133	PICKENS	PE	P.A. - SEC.	US 123	SC 103	11513	2.45	2.098	2.458	0.770	\$295,646
S 33	SUNTER	PE	P.A. - SEC.	BEAR US 123	S-160	12850	2.57	2.057	2.566	0.732	\$298,586
SC 280	BEAUFORT	ROV	P.A. - SEC.	US 521	CITY STREET	10407	2.21	1.922	2.216	0.811	\$300,266
GOLD BILL RD.	YORK	COB	P.A. - SEC.	US 21	SC 170	12132	2.50	1.853	2.131	0.627	\$308,386
S 320	PICKENS	COB	P.A. - SEC.	1-77 (EAST BEAR US 21)	YRGA CAY	10836	2.26	1.853	2.263	0.770	\$311,606
S 107	SUNTER	PE	P.A. - SEC.	SC 93	US 76	9285	1.90	1.778	1.976	0.732	\$312,586
S 70	HORRY	COB	P.A. - SEC.	US 401	US 17 BUS.	9233	1.96	1.734	1.964	0.735	\$313,596
SC 124	PICKENS	PE	P.A. - SEC.	S-155	US 25 (GREENVILLE CO.)	8410	1.79	1.674	1.791	0.770	\$318,522
S 187	GREENWOOD	PE	P.A. - SEC.	US 123	SC 34	9481	2.02	1.644	2.017	0.654	\$319,922
S 29	PICKENS	PE	P.A. - SEC.	US 25	S-136	9656	2.05	1.602	2.055	0.770	\$322,862
S 1240	HORRY	COB	P.A. - SEC.	SC 93	US 17 BUS.	8260	1.76	1.580	1.759	0.735	\$328,042
S 155	HORRY	PE	P.A. - SEC.	US 70	S-51	83500	1.74	1.534	1.764	0.735	\$331,542
S 364	SUNTER	ROV	P.A. - SEC.	S-91	SC 481	8592	1.83	1.532	1.828	0.732	\$335,742
S 278	FLORENCE	ROV	P.A. - SEC.	US 378	US 378 BT-PASS	4283	0.91	1.455	0.911	0.653	\$337,422
S 1100	HORRY	ROV	P.A. - SEC.	US 17	US 17	5264	1.12	1.426	1.128	0.735	\$339,242
S 100	GREENWOOD	ROV	P.A. - SEC.	S-95	SC 246	7690	1.64	1.413	1.636	0.654	\$346,242
WISB DR. EXT. N.	SUNTER	ROV	P.A. - SEC.	S-983	SC 481	27649	1.50	1.401	2.130	0.732	\$348,242
WISB DR. EXT.	SUNTER	COB	P.A. - SEC.	S-294	SC 707	8650	1.58	1.325	2.130	0.732	\$348,892
SC 544	HORRY	COB	P.A. - PRIM.	S-814	SC 707	23081	4.89	3.896	5.264	0.735	\$354,492
SC 544	HORRY	COB	P.A. - PRIM.	SC 707	US 17 UNDERPASS	23081	4.89	3.896	5.264	0.735	\$358,132
SC 170	BEAUFORT	COB	P.A. - PRIM.	S-70	US 21	19655	4.10	3.473	4.182	0.811	\$364,292
SC 544	HORRY	ROV	P.A. - PRIM.	US 501 BUS.	S-1121	17007	3.62	3.195	3.968	0.735	\$367,232
SC 544	HORRY	COB	P.A. - PRIM.	US 17 UNDERPASS	US 17 BUS.	18122	3.86	3.168	3.956	0.735	\$369,822
SC 72 B.P.	YORK	PE	P.A. - PRIM.	SC 901	US 21	17402	3.72	3.051	3.728	0.627	\$372,902
SC 544	HORRY	ROV	P.A. - PRIM.	S-1121	S-814	15613	3.32	2.947	3.672	0.735	\$377,942
SC 802	BEAUFORT	COB	P.A. - PRIM.	S-1121	S-520 (BARKLEY CIR.)	17286	3.68	2.939	4.028	0.811	\$381,064
SC 61 BRT.	DUNCAN	ROV	P.A. - PRIM.	SC 200	SC 122	29563	3.29	2.881	3.643	0.923	\$394,004
AUD. CON.	ANDERSON	PE	P.A. - PRIM.	SC 642	BRAYTON HALL SCH. CON.	16473	3.50	2.775	3.505	0.623	\$402,404
US 21	BEAUFORT	COB	P.A. - PRIM.	SC 187	SC 81	14604	3.11	2.711	3.457	0.811	\$411,276
SUNTER/SOUTH	HORRY	PE	P.A. - PRIM.	YODS MEMORIAL BRIDGE	US 701	58712	3.35	2.687	3.705	0.735	\$416,276
US 76	FLORENCE	COB	P.A. - PRIM.	US 278	US 278	15752	3.35	2.685	3.351	0.811	\$422,464
US 501/378 CH	HORRY	COB	P.A. - PRIM.	I-95	US 17	15173	3.23	2.582	3.228	0.653	\$428,338
S.M. PRY.	DUNCAN	ROV	P.A. - PRIM.	US 378	US 501	11980	2.55	2.374	2.551	0.735	\$429,738
SC 93	PICKENS	ROV	P.A. - PRIM.	US 17 ALT.	US 17 ALT.	23750	2.61	2.339	2.711	0.923	\$437,724
CALHUN ST. BRT.	PICKENS	ROV	P.A. - PRIM.	SC 93/US 123 CON	US 76/123	12164	2.59	2.127	2.688	0.770	\$444,514
US 15	SUNTER	ROV	P.A. - PRIM.	US 17	US 17	11662	2.48	2.122	2.481	0.770	\$445,214
SC 170	BEAUFORT	ROV	P.A. - PRIM.	S. MAIN ST.	S-53 (JEREPSON RD.)	11411	2.43	2.112	2.428	0.732	\$447,930
SC 170	ANDERSON	ROV	P.A. - PRIM.	US 278	S-20	11980	2.55	2.089	2.551	0.811	\$470,538
SC 20	ANDERSON	ROV	P.A. - PRIM.	US 29	US 29	10910	2.32	2.087	2.321	0.623	\$475,538

US 123	PICKERS	ROU	P.A. - PRIM.	SC 135	SC 93	39923	2.28	2.067	2.281	0.770	\$470,510
US 301 D.P.	FLORENCE	CON	P.A. - PRIM.	US 76/301 (INC. CHURCH EXT.)	US 76/301 (INC. CHURCH EXT.)	27135	1.42	2.032	1.721	0.653	\$407,360
SC 51	FLORENCE	PE	P.A. - PRIM.	S-57	S-57	10902	2.34	1.974	2.337	0.653	\$490,860
SC 55	YOK	ROU	P.A. - PRIM.	SC 321	SC 557	10910	2.32	1.942	2.321	0.627	\$494,010
SC 49	YOK	CON	P.A. - PRIM.	SC 276	B.C. STATE LINE	10659	2.27	1.942	2.260	0.627	\$500,450
SC 93	PICKERS	CON	P.A. - PRIM.	S-212	S-382 (MILL AVE)	10408	2.21	1.937	2.315	0.770	\$501,310
US 29	ANDERSON	CON	P.A. - PRIM.	SC 81	SC 28	10026	1.98	1.937	2.081	0.623	\$501,870
US 17 ALT.	BRIDLEY	ROU	P.A. - PRIM.	SC 176	S-34	10400	2.21	1.912	2.315	1.158	\$511,390
US 76	ANDERSON	ROU	P.A. - PRIM.	S-740	SC 20	9590	2.06	1.842	2.062	0.623	\$516,390
US 17 ALT.	BRIDLEY	CON	P.A. - PRIM.	SAVILL BRANCH PARKWAY	US 176	10211	2.00	1.777	2.101	1.150	\$523,230
US 52	BRIDLEY	CON	P.A. - PRIM.	S-126	S-965	5685	1.21	1.140	1.410	1.150	\$531,490
US 52	BRIDLEY	CON	P.A. - PRIM.	SC 45	S-6	5685	1.21	1.140	1.410	1.150	\$538,350
US 52	BRIDLEY	CON	P.A. - PRIM.	S-361	S-126	5685	1.21	1.140	1.410	1.150	\$542,830
US 52	BRIDLEY	CON	P.A. - PRIM.	S-965	SC 45	5685	1.21	1.140	1.410	1.150	\$548,190
SC 20	ANDERSON	ROU	P.A. - PRIM.	S-29	US 76	2132	0.45	0.646	0.450	0.623	\$546,790
CONWAY D.P.	HORRY	CON	P.A. - INTER.	US 501	US 17 (CONS. MAY BE PART.)	22912	4.07	4.607	5.325	0.735	\$586,490
AND. CONN.	ANDERSON	20 TR. PLAN	I-95	SC 107	SC 107	16073	3.50	2.775	3.505	0.623	\$594,110
SC 72	YOK	20 TR. PLAN	SC 324	S-941	S-941	10704	2.29	1.907	2.295	0.627	\$599,010
US 170	PICKERS	20 TR. PLAN	SC 93	US 123	US 123	9029	1.92	1.742	2.021	0.770	\$601,100
USE RE COR.	FLORENCE	20 TR. PLAN	US 76	US 76/301	US 76/301	24361	1.20	1.703	1.375	0.653	\$612,940
SC 160 D.P.	YOK	20 TR. PLAN	US 76	SC 160	SC 160	12181	1.34	1.670	1.689	0.627	\$618,260
SC 160 D.P.	YOK	20 TR. PLAN	US 21 BNS.	US 21 BNS.	US 21 BNS.	12181	1.34	1.670	1.689	0.627	\$620,780
US 321	YOK	20 TR. PLAN	END A LANE (NEAR S-230)	CO RD (BEGIN 4 LANES)	CO RD (BEGIN 4 LANES)	9629	1.92	1.622	2.121	0.627	\$622,782
I-JONES RT.	ALLEN	20 TR. PLAN	GEORGIA STATE LINE	I-20	I-20	32033	1.68	1.579	1.077	0.755	\$627,022
US 321	YOK	20 TR. PLAN	SC 161	S-806	S-806	9029	1.92	1.572	2.121	0.627	\$630,622
US 221 BTP	GREENWOOD	20 TR. PLAN	US 25/170	S-29 (R. CANTIDGE AV)	S-29 (R. CANTIDGE AV)	8770	1.87	1.552	2.160	0.654	\$635,480
SC 5	YOK	20 TR. PLAN	US 21	LANCASTER CO. LINE	LANCASTER CO. LINE	8100	1.73	1.500	1.732	0.627	\$641,150
US 29	ANDERSON	20 TR. PLAN	SC 8	I-85	I-85	9151	1.73	1.467	1.936	0.623	\$646,356
US 70	YOK	20 TR. PLAN	US 170	SC 27	SC 27	4136	0.80	1.666	1.430	0.923	\$648,022
US 210	ANDERSON	20 TR. PLAN	CHESER CO. LINE	US 29/SC 20 CORR.	US 29/SC 20 CORR.	6772	1.44	1.352	1.641	0.623	\$650,700
US 29	ANDERSON	20 TR. PLAN	S-40	SC 302	SC 302	7054	1.50	1.337	1.751	0.755	\$667,420
US 270	ALLEN	20 TR. PLAN	SC 20/125	SC 19	SC 19	7054	1.50	1.337	1.751	0.755	\$675,960
US 370	ALLEN	20 TR. PLAN	SC 302	S-63	S-63	7303	1.55	1.301	2.004	0.735	\$682,464
US 370	HORRY	20 TR. PLAN	LANON CO. LINE	BEGIN 4 LANES	BEGIN 4 LANES	7303	1.55	1.301	2.004	0.735	\$687,704
US 70	DORCHESTER	20 TR. PLAN	S-53	US 170	US 170	6048	1.46	1.264	2.007	0.923	\$697,864
US 70	DORCHESTER	20 TR. PLAN	S-135	S-135	S-135	6048	1.46	1.264	2.007	0.923	\$702,070
US 170	PICKERS	20 TR. PLAN	S-161	SC 93	SC 93	6395	1.36	1.232	1.461	0.770	\$710,660
US 29	ANDERSON	20 TR. PLAN	S-245 (HONOR 37)	S-40	S-40	12100	1.34	1.230	1.530	0.623	\$711,794
US 29	ANDERSON	20 TR. PLAN	US 29 BNS.	S-512	S-512	6048	1.46	1.229	2.007	0.923	\$715,042
US 70	DORCHESTER	20 TR. PLAN	S-512	US 170	US 170	6048	1.46	1.229	2.007	0.923	\$715,042
US 701	HORRY	20 TR. PLAN	NORTH/SOUTH CORRIDOR	US 370 BNS.	US 370 BNS.	6048	1.46	1.229	2.007	0.923	\$720,940
US 370	FLORENCE	20 TR. PLAN	CLARENCE COUNTY	SC 55	SC 55	6270	1.33	1.192	1.334	0.627	\$727,780
SC 557	YOK	20 TR. PLAN	SC 55	SC 49/274	SC 49/274	6270	1.33	1.192	1.334	0.627	\$727,780
US 370	FLORENCE	20 TR. PLAN	US 370 BNS.	S-34	S-34	6202	1.32	1.191	1.769	0.653	\$764,042
US 57	BRIDLEY	20 TR. PLAN	S-6	WILLIAMSBURG CO. LINE	WILLIAMSBURG CO. LINE	5685	1.21	1.140	1.410	1.150	\$769,642
US 370	FLORENCE	20 TR. PLAN	SC 51	SC 41	SC 41	6202	1.32	1.146	1.369	0.653	\$776,416
SC 160	YOK	20 TR. PLAN	S-36 (BODY BRIDGE BR)	LANCASTER CO. LINE	LANCASTER CO. LINE	11336	1.25	1.145	1.346	0.627	\$776,992
SC 34	GREENWOOD	20 TR. PLAN	US 25	SC 246	SC 246	5643	1.20	1.140	1.201	0.654	\$787,492
SC 160	YOK	20 TR. PLAN	S-90	I-77	I-77	11327	1.24	1.135	1.495	0.627	\$791,552
SC 160	YOK	20 TR. PLAN	B.C. STATE LINE	S-90	S-90	11327	1.24	1.135	1.495	0.627	\$791,552
SC 274	YOK	20 TR. PLAN	SC 161	SC 49	SC 49	6145	1.31	1.132	1.307	0.627	\$803,172
US 370	FLORENCE	20 TR. PLAN	SC 41/51	LANON CO. LINE	LANON CO. LINE	6072	1.29	1.120	1.742	0.653	\$805,874
US 521	SUNTER	20 TR. PLAN	KERSHAW COUNTY	SC 441	SC 441	5426	1.15	1.072	1.705	0.732	\$817,494
US 29	ANDERSON	20 TR. PLAN	S-75	SC 0	SC 0	5267	1.12	1.062	1.321	0.623	\$820,182
SC 93	PICKERS	20 TR. PLAN	CENTRAL	ALBERTA	ALBERTA	5267	1.12	1.062	1.321	0.623	\$820,182
SC 113	PICKERS	20 TR. PLAN	SC 135	GREENVILLE CO. LINE	GREENVILLE CO. LINE	5392	1.15	1.032	1.397	0.770	\$839,222
SC 113	PICKERS	20 TR. PLAN	S-81	SC 135	SC 135	5392	1.15	1.032	1.397	0.770	\$843,562
SC 113	PICKERS	20 TR. PLAN	SC 0	S-81	S-81	5392	1.15	1.032	1.397	0.770	\$847,282
US 29	ANDERSON	20 TR. PLAN	US 29/SC 20 CORR.	S-96 (BEGIN DIVISION)	S-96 (BEGIN DIVISION)	5267	1.12	0.977	1.321	0.623	\$849,070
US 370	FLORENCE	20 TR. PLAN	S-34	SC 51	SC 51	4522	0.96	0.803	1.412	0.653	\$862,440

US 25	GREENWOOD	20 YR. PLAN	ROGUEFIELD CO. LINE	S-104	5.30	\$7,420	3637	0.77	0.806	0.974	0.654	\$869,968
US 25	GREENWOOD	20 YR. PLAN	S-44	US 170	4.00	\$5,600	3637	0.77	0.806	0.974	0.654	\$875,466
US 25	GREENWOOD	20 YR. PLAN	S-104	S-44	3.00	\$5,320	3637	0.77	0.806	0.974	0.654	\$880,788
US 270	ALLEN	20 YR. PLAN	SC 19	SC 701	9.23	\$12,922	6013	0.85	0.761	0.851	0.755	\$893,710
SC 165	DORCHESTER	20 YR. PLAN	CHARLESTON CO. LINE	SC 61	8.94	\$12,516	2506	0.53	0.651	0.534	0.923	\$906,226
SC 284	ANDERSON	20 YR. PLAN	ANDERSON CORRECTOR	US 76	6.00	\$8,400	2105	0.45	0.642	0.440	0.623	\$916,626
US 270	ALLEN	20 YR. PLAN	SC 701	BARRELL CO. LINE	1.41	\$1,974	3135	0.67	0.621	0.917	0.755	\$916,680
US 170	GREENWOOD	20 YR. PLAN	US 25	SC 240	4.40	\$6,160	2713	0.50	0.569	0.777	0.654	\$922,760
US 170	GREENWOOD	20 YR. PLAN	SC 240	S-30	3.00	\$5,320	2713	0.50	0.569	0.777	0.654	\$928,080
US 170	GREENWOOD	20 YR. PLAN	S-30	SHADDA CO. LINE	3.10	\$4,340	2713	0.50	0.569	0.777	0.654	\$932,420

**H.B. Robinson, Oconee and Virgil C. Summer
(Darlington, Oconee and Fairfield Counties)**

YELLOW COUNTY GROUP

ROUTE	COUNTY	5 YEAR 10 YR. PROG.		BEGINNING POINT	ENDING POINT	LCJ.	EST. COST ADJUSTED		V/C	TRANS. FACTOR		SHMS	SHMS	COST
		ACT.	6 20 YR. PLAN				(\$1000)	ADJ.						
CHERRY TR. RT.	CHESTERFIELD	ROW	SHMS - TR.	US 15/52	SC 9	2.60	\$3,540	17226	3.66	3.270	3.865	1.085		\$3,540
US 17A	ORANGEBURG	PE	SHMS - TR.	S-61	S-1033 (WILKINSON, AC. RD.)	1.71	\$2,394	14546	3.09	2.577	3.195	0.835		\$6,034
US 15	DARLINGTON	ROW	SHMS - TR.	SC 151	NEAR US 15 BUSINESS	1.00	\$1,400	13292	2.83	2.402	2.820	0.770		\$7,434
US 17 ALT	JASPER	ROW	SHMS - TR.	GEORGIA STATE LINE	US 17	6.61	\$9,254	12315	2.62	2.101	2.920	1.655		\$16,680
US 301	DILLON	PE	SHMS - TR.	S-500 (DILLON HIGH SCHL)	S-40	1.22	\$1,700	11142	2.37	2.024	2.571	0.931		\$10,396
SC 170	JASPER	ROW	SHMS - TR.	US 17	BRADFORD CO. LINE	5.00	\$7,000	11291	2.40	1.940	2.402	1.655		\$25,396
US 301	DILLON	PE	SHMS - TR.	S-40	RD-274 (BRIGHT & LARSEN)	3.06	\$4,200	6190	1.32	1.209	1.517	0.931		\$29,596
US 25	ROCKFELLD	ROW	SHMS - S.R.C.	S-10	SC 23	1.42	\$1,900	6395	1.36	1.302	1.561	1.290		\$31,504
US 25	ROCKFELLD	ROW	SHMS - S.R.C.	SC 19/SC 121	S-10	4.31	\$6,434	6395	1.36	1.207	1.561	1.290		\$37,610
US 70	ORANGEBURG	PE	SHMS - S.R.C.	BORCHSTER COUNTY LINE	US 21	6.30	\$9,820	3007	0.83	1.107	1.127	0.835		\$46,430
US 601	CALHOUN	PE	SHMS - S.R.C.	ORANGEBURG COUNTY LINE	SC 6 (ST. MATTHEWS)	4.90	\$6,460	5019	1.24	1.105	1.400	1.232		\$53,290
US 76	HARTON	CONS	SHMS - S.R.C.	ROBY CO. LINE	PRESBYT & LAKE	5.50	\$7,700	5026	1.15	1.065	1.705	1.722		\$56,130
US 601	ORANGEBURG	PE	SHMS - S.R.C.	1-26	CALHOUN COUNTY LINE	3.00	\$10,900	4522	0.96	0.803	1.262	1.213		\$73,310
US 70	BANDING	ROW	SHMS - S.R.C.	US 301/601	ORANGEBURG CO. LINE	10.70	\$16,900	4522	0.96	0.803	1.262	1.213		\$80,590
US 521	CLARENDON	PE	SHMS - S.R.C.	SUTHER COUNTY	1-95	5.20	\$7,200	4120	0.80	0.821	1.427	1.177		\$84,090
US 70	ORANGEBURG	ROW	SHMS - S.R.C.	US 21	BANDING COUNTY LINE	2.50	\$3,500	3007	0.83	0.774	1.127	0.835		\$96,760
SC 60	BANDING	ROW	SHMS - S.R.C.	S-27	1-95	9.45	\$12,670	3511	0.75	0.711	0.907	1.322		\$109,500
US 373	SALUDA	ROW	SHMS - S.R.C.	S-26	SC 121	9.10	\$12,740	3359	0.71	0.682	0.915	1.264		\$116,340
US 373	SALUDA	ROW	SHMS - S.R.C.	S-26	SC 391 (AT TRAFFIC CIR)	6.40	\$6,432	3359	0.71	0.682	0.915	1.264		\$124,600
US 521	WILLIAMSBURG	ROW	SHMS - S.R.C.	CLARENDON COUNTY	US 52	5.90	\$8,260	3230	0.69	0.675	1.237	1.250		\$136,500
US 521	CLARENDON	ROW	SHMS - S.R.C.	SC 261	WILLIAMSBURG COUNTY	8.50	\$11,900	2756	0.59	0.570	1.136	1.177		\$165,400
US 70	DARLINGTON	CONS	SHMS	ALLEN CO. LINE	SC 37 (BLK)	6.40	\$8,960	11499	2.45	1.951	2.997	1.213		\$156,800
US 17	COLLETON	CONS	SHMS	1-305	US 76	8.10	\$11,340	10207	2.17	1.874	2.172	0.826		\$171,240
US 17	COLLETON	CONS	SHMS	SC 303 (BUTTER)	SC 64	10.32	\$14,440	10083	2.32	1.873	2.066	1.372		\$179,690
US 270	HARTON	CONS	SHMS	BRADFORD CO. LINE	SC 393	6.03	\$8,462	10083	2.32	1.863	2.066	1.372		\$186,130
SC 9	CHESLER	CONS	SHMS	HARTON CITY LIMITS	VARVILLE	6.60	\$6,440	5510	1.17	1.550	1.174	1.322		\$195,930
US 521	CLARENDON	ROW	SHMS	SC 72	S-46	7.00	\$9,000	8327	1.81	1.507	1.814	0.985		\$204,800
US 521	CLARENDON	ROW	SHMS	SC 261	1-95	6.40	\$8,960	8556	1.84	1.506	2.392	1.177		\$217,630
US 70	ORANGEBURG	CONS	SHMS	US 17A	WILLIAMSBURG CO. LINE	9.10	\$12,740	8449	1.80	1.504	2.340	1.354		\$227,010
US 70	BANDING	CONS	SHMS	US 321	US 301/601	6.70	\$9,300	8010	1.70	1.469	2.254	1.213		\$237,790
US 270	HARTON	CONS	SHMS	SC 321	HARTON CITY LIMITS	7.70	\$10,700	7900	1.60	1.462	1.681	1.322		\$269,150
ADD. CORR.	ADDEVILLE	ROW	SHMS	SC 72	NEAR US 76 (ANDERSON CO.)	22.40	\$31,360	6145	1.31	1.234	1.307	1.106		\$270,690
US 270	HARTON	CONS	SHMS	VARVILLE	SC 60	1.10	\$1,540	5510	1.17	1.097	1.174	1.322		\$280,370
SC 9	CHESLER	CONS	SHMS	S-456	US 21	6.92	\$9,600	5014	1.24	1.084	1.237	0.985		\$286,530
US 70	BANDING	CONS	SHMS	DARLINGTON CO. LINE	US 321	4.40	\$6,160	5297	1.13	1.056	1.677	1.213		\$295,210
US 70	DARLINGTON	CONS	SHMS	SC 37 (BLK)	SC 3 (BLACKVILLE)	6.20	\$8,600	5014	1.24	1.034	1.707	1.213		\$307,650
US 25	LARSEN	CONS	SHMS	GREENWOOD CO. LINE	GREENVILLE CO. LINE	8.00	\$12,432	5392	1.15	1.007	1.447	0.826		\$311,100
US 70	DARLINGTON	CONS	SHMS	SC 3 (BLACKVILLE)	BANDING CO. LINE	2.47	\$3,450	5026	1.15	0.987	1.705	1.213		\$330,100
SC 75 CORR.	LARSEN	CONS	SHMS	1-77 (YORK CO.)	SC 75	9.50	\$19,000	5160	1.10	0.981	1.100	0.901		\$350,820
SC 30	DILLON	CONS	SHMS	KALHOUN COUNTY LINE	US 501	14.00	\$20,720	4891	1.44	0.946	1.041	0.931		\$361,740
SC 30	BACALONG	CONS	SHMS	DILLON CO. LINE	BLANDEN	10.00	\$14,000	4640	0.99	0.906	0.987	0.950		\$371,352
SC 72	LARSEN	CONS	SHMS	US 221	S-30	7.80	\$10,920	4522	0.96	0.890	0.962	0.826		\$375,132
SC 72	LARSEN	CONS	SHMS	S-30	S-46	6.86	\$9,600	4522	0.96	0.890	0.962	0.826		\$385,750
US 370	SALUDA	CONS	SHMS	US 76	1-26	2.70	\$3,700	4522	0.96	0.890	0.962	0.826		\$395,310
SC 60	HARTON	CONS	SHMS	SC 391 (AT TRAFFIC CIR)	LIVINGSTON CO. LINE	2.95	\$4,106	3747	0.80	0.794	1.197	1.264		\$398,350
US 521	WILLIAMSBURG	CONS	SHMS	US 270	S-27	6.60	\$6,440	3511	0.75	0.711	0.947	1.322		\$409,590
US 521	WILLIAMSBURG	CONS	SHMS	S-50	SC 377	9.00	\$12,600	3230	0.69	0.675	1.137	1.250		\$419,910
US 521	WILLIAMSBURG	CONS	SHMS	GEORGETOWN CO. LINE	S-50	8.10	\$11,340	3230	0.69	0.675	1.137	1.250		\$430,236
US 521	WILLIAMSBURG	CONS	SHMS	SC 377	US 52	7.30	\$10,220	3230	0.69	0.675	1.137	1.250		
US 521	WILLIAMSBURG	CONS	SHMS	US 370	GREENWOOD CO. LINE	7.37	\$10,310	2804	0.61	0.616	0.616	1.010		

SC 19	ROCKFIELD	ROW	SHUS	ALLEN CO. LINE	US 25	66,020	2759	0.59	0.596	0.787	1.298	\$836,256
S 94	ORANGEBURG	ROW	F.A. - SEC.	US 21 BT-PASS	US 601	33,360	14230	3.03	2.567	3.028	0.835	\$839,616
P 1501	COLLIER	ROW	F.A. - SEC.	S-335	SC 64	\$4,340	12895	2.74	2.321	2.744	1.372	\$483,936
SC 151	DARLINGTON	CONS	F.A. - PRIM.	CHRISTENFIELD CO. LINE	BEGIN 4 LANE	\$11,260	7780	1.64	1.405	1.838	0.778	\$465,216
SC 151	CHRISTENFIELD	CONS	F.A. - PRIM.	US 1 (MC BR)	DARLINGTON CO. LINE	\$7,994	7830	1.67	1.395	1.866	1.005	\$453,210
SC 151	CHRISTENFIELD	CONS	F.A. - PRIM.	S-296	US 1 (MC BR)	\$5,642	7830	1.67	1.380	1.866	1.005	\$458,832
US 25	ROCKFIELD	ROW	F.A. - PRIM.	S-429	SC 19/SC 121	\$9,912	7524	1.60	1.357	1.801	1.298	\$460,764
SC 151	CHRISTENFIELD	CONS	F.A. - PRIM.	SC 151 BUS	S-411	\$7,392	7209	1.53	1.292	1.736	1.005	\$476,156
SC 151	CHRISTENFIELD	CONS	F.A. - PRIM.	SC 9 (MC CREGAN ST)	SC 151 BUS	\$3,262	6589	1.40	1.173	1.602	1.005	\$479,418
SC 151	CHRISTENFIELD	CONS	F.A. - PRIM.	S-211	SC 903	\$8,360	6008	1.28	1.090	1.478	1.005	\$488,378
SC 151	CHRISTENFIELD	CONS	F.A. - PRIM.	SC 903	S-296	\$8,120	6008	1.30	1.090	1.478	1.005	\$496,498
SC 38	HARBORO	CONS	F.A. - PRIM.	US 15/401	SC 345	\$800	6640	0.59	0.906	0.907	0.958	\$497,338
SC 9	DILLON	20 TR. PLAN	PLAN	US 9 BT-PASS	S-34	\$8,900	12274	2.61	2.220	3.061	0.931	\$502,230
SC 121	RENNERT	20 TR. PLAN	PLAN	SC 395	US 76 BUS.	\$1,092	10465	2.23	1.836	2.227	0.938	\$503,330
US 52	DARLINGTON	20 TR. PLAN	PLAN	US 15	US 15/401	\$2,912	10078	2.14	1.764	2.144	0.778	\$506,242
SC 9 B.P.	DILLON	20 TR. PLAN	PLAN	SC 9	I-95	\$7,000	8778	1.87	1.752	1.868	0.931	\$513,242
SC 121	RENNERT	20 TR. PLAN	PLAN	SC 34	SC 395	\$8,004	9044	1.92	1.748	1.924	0.938	\$517,246
US 52	DARLINGTON	20 TR. PLAN	PLAN	US 52 BUS.	SC 3	\$3,920	9530	2.03	1.667	2.278	1.213	\$537,966
US 278	DARWELL	20 TR. PLAN	PLAN	SC 37	SC 70	\$3,220	9154	1.95	1.697	2.198	1.213	\$522,426
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	US 601	S-43	\$2,660	9280	1.97	1.657	1.974	1.005	\$525,086
US 278	DARWELL	20 TR. PLAN	PLAN	SC 3	ALLERDALE COUNTY LINE	\$8,960	9530	2.03	1.667	2.278	1.213	\$534,046
US 52	DARLINGTON	20 TR. PLAN	PLAN	US 52 BUS.	SC 3	\$3,920	9530	2.03	1.667	2.278	1.213	\$537,966
US 321	ORANGEBURG	20 TR. PLAN	PLAN	US 170	LEXINGTON CO. LINE	\$6,944	6331	1.35	1.551	1.347	0.835	\$564,310
SC 9	LANCASTER	20 TR. PLAN	PLAN	SC 9 BUS./W 521	SC 522	\$9,520	7900	1.68	1.432	1.681	0.901	\$554,430
SC 9	LANCASTER	20 TR. PLAN	PLAN	SC 522	CHRISTENFIELD CO. LINE	\$8,820	7900	1.68	1.432	1.681	0.901	\$563,250
US 170	SALUDA	20 TR. PLAN	PLAN	S-49	SC 39/121	\$1,624	7235	1.54	1.431	1.739	1.264	\$564,874
US 52	DILLON	20 TR. PLAN	PLAN	SC 261	SC 261/527	\$8,186	7094	1.59	1.397	1.747	0.901	\$578,440
US 521	LANCASTER	20 TR. PLAN	PLAN	SC 522	SC 903	\$6,302	7273	1.55	1.407	1.794	1.238	\$589,060
US 521	LANCASTER	20 TR. PLAN	PLAN	SC 34	S-72	\$2,940	6646	1.41	1.332	1.414	1.018	\$597,242
SC 20	ORANGEBURG	20 TR. PLAN	PLAN	US 221/378	SC 81	\$9,520	7494	1.59	1.322	1.594	0.835	\$604,620
US 52	DARLINGTON	20 TR. PLAN	PLAN	CITY STREET (RECURS)	US 170	\$8,746	6509	1.40	1.313	1.402	0.778	\$609,366
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	S-36	S-41	\$6,480	26406	1.51	1.301	1.513	0.778	\$613,806
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	FLORENCE CO. LINE	US 52 BUS.	\$9,394	7273	1.55	1.297	1.507	1.005	\$623,240
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	US 601	US 601	\$2,842	7273	1.55	1.297	1.507	1.005	\$626,082
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	SC 109	SC 265	\$8,410	7273	1.55	1.292	1.567	1.005	\$630,492
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	US 109	SC 109	\$4,200	6521	0.96	1.200	0.962	0.985	\$634,692
SC 9	CHRISTENFIELD	20 TR. PLAN	PLAN	US 76 BUSINESS	S-475	\$2,684	6521	1.39	1.287	1.307	0.990	\$637,296
SC 121	RENNERT	20 TR. PLAN	PLAN	SC 37	I-26	\$6,440	6646	1.41	1.272	1.414	0.985	\$643,736
SC 72	CHESER	20 TR. PLAN	PLAN	S-194	TOPE CO. LINE	\$6,300	6646	1.41	1.272	1.414	0.985	\$650,036
SC 72	CHESER	20 TR. PLAN	PLAN	S-194	SC 37	\$15,540	7022	1.49	1.252	1.744	1.213	\$665,576
US 278	DARWELL	20 TR. PLAN	PLAN	ALLEN COUNTY LINE	S-52	\$15,120	6412	1.36	1.209	1.364	1.356	\$680,596
US 701	GEORGETOWN	20 TR. PLAN	PLAN	SC 51	NORTH/SOUTH CORRIDOR	\$14,000	6412	1.36	1.209	1.364	1.356	\$694,696
US 701	GEORGETOWN	20 TR. PLAN	PLAN	S-52	US 15	\$9,434	6460	1.37	1.197	1.374	0.778	\$703,530
US 52	DARLINGTON	20 TR. PLAN	PLAN	S-41	US 176	\$4,480	6270	1.33	1.177	1.334	0.990	\$708,010
SC 72	RENNERT	20 TR. PLAN	PLAN	LANCENS COUNTY LINE	US 176	\$8,428	6521	1.39	1.169	1.307	0.990	\$716,438
SC 121	RENNERT	20 TR. PLAN	PLAN	I-26	US 176	\$13,076	5297	1.13	1.160	1.127	0.835	\$729,514
US 321	ORANGEBURG	20 TR. PLAN	PLAN	SC 4	DARLING CO. LINE	\$5,600	5544	1.18	1.152	1.630	1.177	\$735,114
US 378	CLARENDON	20 TR. PLAN	PLAN	YORRILLE	FLORENCE COUNTY	\$812	5768	1.23	1.127	1.677	0.931	\$735,926
SC 9	DILLON	20 TR. PLAN	PLAN	SC 41/S-75	S-55	\$2,660	6072	1.29	1.120	1.742	1.722	\$738,586
US 378	HARION	20 TR. PLAN	PLAN	FLORENCE COUNTY LINE	SC 41	\$2,926	5768	1.23	1.117	1.777	1.049	\$741,512
US 521	KERSHAW	20 TR. PLAN	PLAN	SC 761	I-20	\$14,000	5819	1.24	1.105	1.238	1.232	\$755,512
US 601	CALHOUN	20 TR. PLAN	PLAN	SC 6 (ST. MATTHEWS)	DICLAND CO. LINE	\$16,616	5814	1.24	1.079	1.237	1.085	\$770,128
US 52	CHRISTENFIELD	20 TR. PLAN	PLAN	DARLINGTON CO. LINE	US 1	\$3,580	5297	1.13	1.046	1.577	1.722	\$773,628
SC 9	HARION	20 TR. PLAN	PLAN	DILLON CO. LINE	US 76	\$8,200	5168	1.10	1.045	1.108	0.901	\$777,828
SC 5	LANCASTER	20 TR. PLAN	PLAN	TOPE COUNTY LINE	US 521	\$19,680	5685	1.21	1.033	1.210	1.066	\$797,428
US 176	RENNERT	20 TR. PLAN	PLAN	SC 215	SC 72	\$7,560	5141	1.09	1.022	1.094	0.931	\$804,980
SC 9	DILLON	20 TR. PLAN	PLAN	S-28	I-95	\$6,500	5141	1.09	1.022	1.094	0.931	\$811,568
SC 9	DILLON	20 TR. PLAN	PLAN	HARLORO COUNTY LINE	S-20	\$7,200	5545	1.10	1.017	1.630	0.931	\$818,848
SC 9	DILLON	20 TR. PLAN	PLAN	S-55	HARION COUNTY	\$7,200	5545	1.10	1.017	1.630	0.931	\$818,848

SC 121	ROCKFIELD	20 TR. PLAN	US 25/SC 19	SC 191/S-50 (AUBURN AVE.)	6.78	\$9,492	4640	0.99	1.007	0.987	1.298	\$828,300
US 521	LANCASTER	20 TR. PLAN	KERSHAW COUNTY	SC 157	3.70	\$5,180	4700	1.02	0.997	1.217	0.901	\$833,520
SC 9	UNION	20 TR. PLAN	SC 10	US 176	3.00	\$7,800	4631	0.99	0.972	0.990	1.066	\$836,320
US 370	UNION	20 TR. PLAN	SC 908	ROBERT CO. LINE	5.10	\$7,140	4393	0.93	0.962	0.935	1.722	\$843,460
SC 72	UNION	20 TR. PLAN	SC 215	CHRISTEN CO. LINE	2.65	\$3,766	5039	1.07	0.959	1.072	1.066	\$847,226
US 52	CHRISTENFIELD	20 TR. PLAN	US 5	S-391	1.20	\$1,792	4309	0.93	0.931	0.936	1.085	\$849,018
US 52	LANCASTER	20 TR. PLAN	US 15/401	CHRISTENFIELD CO. LINE	0.71	\$994	5039	1.07	0.930	1.072	0.770	\$850,012
US 521	LANCASTER	20 TR. PLAN	SC 522	SC 157	0.10	\$11,340	4651	0.99	0.915	1.190	0.901	\$861,352
US 52	WILLIAMSBURG	20 TR. PLAN	US 521	SC 261	7.24	\$10,136	4522	0.96	0.908	1.162	1.250	\$871,480
US 52	WILLIAMSBURG	20 TR. PLAN	SC 521	BERKELEY CO. LINE	5.20	\$7,700	4522	0.96	0.908	1.162	1.250	\$878,760
US 370	UNION	20 TR. PLAN	SC 41	SC 908	5.50	\$7,700	4393	0.93	0.902	0.935	1.722	\$886,460
SC 121	ROCKFIELD	20 TR. PLAN	SC 23	SALUDA CO. LINE	2.11	\$2,954	5016	1.07	0.901	1.067	1.298	\$889,522
US 221	MCCONNICK	20 TR. PLAN	SC 203	S-249	3.66	\$5,124	4640	0.99	0.896	0.907	1.010	\$894,546
US 76	LANCASTER	20 TR. PLAN	GREENVILLE CO. LINE	SC 101	6.00	\$8,512	4393	0.93	0.892	1.135	0.826	\$903,050
US 76	LANCASTER	20 TR. PLAN	S-93	SC 101	3.70	\$5,180	4393	0.93	0.807	1.135	0.826	\$908,230
US 521	KERSHAW	20 TR. PLAN	S-93	LAURENS RT-PASS	3.23	\$6,322	4393	0.93	0.807	1.135	0.826	\$912,760
US 270	ALLENDALE	20 TR. PLAN	SWINER CO. LINE	SC 261	4.91	\$6,974	4393	0.93	0.857	1.405	1.049	\$919,634
SC 9	CHESER	20 TR. PLAN	DANFELL CO. LINE	US 301	7.10	\$9,940	4089	0.96	0.857	1.205	1.397	\$929,574
SC 9	CHESER	20 TR. PLAN	S-49 (MOORE PERRY RD.)	S-440	5.30	\$7,420	4134	0.88	0.806	0.800	0.905	\$936,994
SC 72	CHESER	20 TR. PLAN	S-440	US 321	4.20	\$5,000	4134	0.88	0.806	0.800	0.905	\$942,874
SC 9	CHESER	20 TR. PLAN	S-179	US 321/SC 9	5.60	\$7,840	4522	0.96	0.843	0.962	0.985	\$950,714
SC 9	CHESERFIELD	20 TR. PLAN	S-43	SC 109	7.66	\$10,724	4264	0.91	0.841	0.907	1.005	\$961,430
SC 9	UNION	20 TR. PLAN	S-131	SC 49	3.70	\$5,180	4264	0.91	0.836	0.907	1.066	\$966,610
SC 9	UNION	20 TR. PLAN	S-56	S-131	3.30	\$4,620	4264	0.91	0.836	0.907	1.066	\$971,230
SC 9	UNION	20 TR. PLAN	SC 10	S-30	3.10	\$4,360	4264	0.91	0.836	0.907	1.066	\$975,570
SC 9	UNION	20 TR. PLAN	S-30	S-56	2.90	\$4,060	4264	0.91	0.836	0.907	1.066	\$979,630
SC 9	WILLIAMSBURG	20 TR. PLAN	US 15/401	S-511	4.30	\$6,300	4138	0.80	0.821	0.800	0.950	\$985,930
SC 9	WILLIAMSBURG	20 TR. PLAN	S-32	BILLION CO. LINE	3.60	\$5,040	4138	0.80	0.821	0.800	0.950	\$990,970
SC 9	WILLIAMSBURG	20 TR. PLAN	S-511	S-32	3.00	\$4,200	4138	0.80	0.821	0.800	0.950	\$995,170
US 221 B.P.	MCCONNICK	20 TR. PLAN	US 221	US 370	0.00	\$0,000	4600	0.99	0.820	0.907	1.010	\$1,000,770
US 221	MCCONNICK	20 TR. PLAN	SC 203	SC 20	10.00	\$19,600	4600	0.99	0.820	0.907	1.010	\$1,020,370
US 370	WILLIAMSBURG	20 TR. PLAN	CLARENCE COUNTY	FLORENCE COUNTY	1.00	\$2,520	4393	0.93	0.820	1.305	1.250	\$1,022,090
US 321	DANBEG	20 TR. PLAN	SC 64	CITY STREET (S. DENMARK)	0.56	\$1,504	4264	0.91	0.791	0.907	1.213	\$1,034,002
US 321	DANBEG	20 TR. PLAN	SC 64	US 301	4.40	\$6,160	4264	0.91	0.791	0.907	1.213	\$1,041,042
US 176	REDBERT	20 TR. PLAN	SC 72	SC 121	7.33	\$10,262	4013	0.85	0.791	0.854	0.990	\$1,051,304
US 25	ROCKFIELD	20 TR. PLAN	SC 430 NORTHERN CORN.	S-10	0.00	\$1,232	3007	0.83	0.771	1.027	1.298	\$1,052,536
S 10	ROCKFIELD	20 TR. PLAN	SC 23	US 25	2.00	\$2,000	3206	0.60	0.766	0.602	1.298	\$1,055,336
US 521	KERSHAW	20 TR. PLAN	SC 97	LANCASTER COUNTY LINE	15.50	\$21,700	3747	0.80	0.749	0.997	1.049	\$1,077,036
US 25	ROCKFIELD	20 TR. PLAN	S-10	SC 203	2.45	\$3,430	3007	0.83	0.701	1.027	1.298	\$1,080,466
SC 121	REDBERT	20 TR. PLAN	SALUDA CO. LINE	SC 34	2.40	\$3,472	3007	0.83	0.701	1.027	1.298	\$1,083,930
US 321	DANBEG	20 TR. PLAN	US 70	ORANGEBURG CO. LINE	6.00	\$5,600	4264	0.91	0.715	0.907	1.213	\$1,089,530
US 52	CHRISTENFIELD	20 TR. PLAN	S-391	B.C. STATE LINE	7.64	\$10,656	3260	0.69	0.691	0.696	1.005	\$1,100,234
SC 72	CHESER	20 TR. PLAN	UNION CO. LINE	US 779	0.20	\$11,400	3400	0.74	0.673	0.742	0.905	\$1,111,714
US 170	SALUDA	20 TR. PLAN	GREENWOOD CO. LINE	S-49	9.37	\$13,110	3230	0.69	0.672	0.807	1.266	\$1,124,832
SC 9	UNION	20 TR. PLAN	S-34	SC 41	0.40	\$12,320	2045	0.61	0.659	0.855	0.931	\$1,137,152
SC 9	CHRISTENFIELD	20 TR. PLAN	LANCASTER CO. LINE	US 601	3.00	\$5,320	2004	0.61	0.621	0.614	1.005	\$1,142,672
SC 72	LANCASTER	20 TR. PLAN	1-16	REDBERT COUNTY	12.10	\$16,940	2042	0.60	0.607	0.605	0.826	\$1,159,412
SC 20	MCCONNICK	20 TR. PLAN	SC 81	ADRIANVILLE CO. LINE	7.50	\$10,500	2004	0.61	0.606	0.614	1.010	\$1,169,912
SC 72	UNION	20 TR. PLAN	TIGER RIVER	S-35	3.50	\$4,950	2042	0.60	0.600	0.605	1.066	\$1,179,012
SC 72	UNION	20 TR. PLAN	US 176	TIGER RIVER	3.00	\$4,200	2042	0.60	0.600	0.605	1.066	\$1,179,012
SC 72	UNION	20 TR. PLAN	S-35	SC 215	2.90	\$4,060	2042	0.60	0.600	0.605	1.066	\$1,183,072
SC 20	ADRIANVILLE	20 TR. PLAN	MCCONNICK CO. LINE	SC 215	9.09	\$13,846	2004	0.61	0.596	0.614	1.106	\$1,196,910
US 25	ROCKFIELD	20 TR. PLAN	SC 203	GREENWOOD COUNTY	9.00	\$13,720	2665	0.57	0.535	0.767	1.298	\$1,210,630
SC 20	MCCONNICK	20 TR. PLAN	GA. STATE LINE	US 221	7.03	\$9,042	2303	0.51	0.526	0.507	1.010	\$1,220,400

Section K: Tennessee

Tennessee

Sequoyah Nuclear Plant and Watts Bar Nuclear Plant are the commercial nuclear reactor sites in the state of Tennessee.

The Sequoyah Nuclear Plant is located in Hamilton County. Several highway access projects are under construction around the Sequoyah site over the next five years. For 2.66 miles, SR-153 is undergoing reconstruction (four-lane) and is scheduled to be completed by December 1991. Reconstruction into a divided four lane of the Highway 27 corridor, from 0.3 mile south of Rhea County line to the four-lane section in Dayton, is expected to be completed by June 1992. By July 1992, Walnut Street Bridge over the Tennessee River in Chattanooga will have received structural restoration. For 5.9 miles, reconstruction and widening to four lanes will be completed by October 1992 from the SR-111 connector to Coulterville Road on the Highway 27 corridor. In November 1992 construction of median lanes on I-75 from I-24 to SR-154 is projected to be completed. Construction of a new four-lane on the Highway 27 corridor, from south of Coulterville Road to near the Rhea County line, is expected to be completed by December 1992.

There are also projects under construction that are scheduled to be completed in 1993 or 1994. In June 1993, the James T. Wright bridge and its approaches over Whites Creek on U.S. 27 will be replaced. Completion of the construction of a new four-lane on SR-111 from 0.31 mile west of Jones Gap Road to 0.18 mile east of Back Valley Road is scheduled for December 1994.

Three scheduled projects around the Sequoyah Nuclear Plant have been let to contract and are scheduled to be completed in the next five years, but do not have estimated completion dates. From the Signal Mountain city limits to the Sequatchie County line, pavement will be resurfaced. Bridge construction and pavement of a new four-lane at Corridor "J", from SR-29 at Soddy-Daisy to Back Valley Road, was let to contract on August 2, 1991.

There are projects under development that surround the Sequoyah Nuclear Reactor site. The engineering process is underway on I-75 from south of the Georgia state line to near SR 317. At the I-75 interchange from south of Apison Pike to SR 2, purchase of the right-of-way is also underway. On SR 2, Brainard Road, purchase of the right-of-way is underway for spot widening and installation of an interconnected signal system. Also on SR 2, purchasing of right-of-way is underway to replace the bridge and approaches over Chickamauga Creek. Purchasing of right-of-way on SR 8 is

PROJECTS UNDER DEVELOPMENT
September 9, 1991

HAMILTON COUNTY I-75
FROM SOUTH OF GEORGIA STATE LINE TO NEAR SR-317. LENGTH-6.5 MILES
(PHASE 2 AND ULTIMATE IMPROVEMENTS)

The engineering process is underway.

HAMILTON COUNTY SR-2 US-11/64
BRAINERD ROAD, FROM MOORE ROAD TO SR-320 (EAST BRAINERD ROAD) IN
CHATTANOOGA. (SPOT WIDENING AND INSTALLATION OF INTERCONNECTED
SIGNAL SYSTEM)

The purchase of right-of-way is underway. A contract for
construction is tentatively scheduled to be let during the
fall of this year.

HAMILTON COUNTY SR-2 US-11/64
BRAINERD ROAD, BRIDGE AND APPROACHES OVER CHICKAMAUGA CREEK IN
CHATTANOOGA. (BRIDGE REPLACEMENT)

The purchase of right-of-way is underway. A contract for
construction is tentatively scheduled to be let during the
summer of this year.

HAMILTON COUNTY SR-58
FROM SOUTH OF SUNRISE DRIVE TO SIMS ROAD. LENGTH-2.5 MILES
(RECONSTRUCT TO 4-LANE)

The engineering process is underway.

HAMILTON COUNTY SR-8 US-41/76
EAST MAIN STREET IN CHATTANOOGA, INTERSECTION AT CENTRAL AVENUE.
(WIDEN ALL APPROACHES TO 5-LANES AND UPGRADE SIGNALS)

The purchase of right-of-way is underway.

HAMILTON COUNTY
CENTRAL AVENUE, BRIDGE & APPROACHES OVER CSX RAILROAD IN
CHATTANOOGA. (BRIDGE REPLACEMENT)

The purchase of right-of-way is underway.

HAMILTON COUNTY SR-58
AMNCIOLA HIGHWAY, ADDITION OF ACCELERATION AND DECELERATION LANES
AT THE ENTRANCE TO CENTRE SOUTH INDUSTRIAL PARK/RIVER PORT IN
CHATTANOOGA.

Development of this project is currently inactive pending
further development of the Industrial Park/River Port.

HAMILTON COUNTY
FROM SOUTH OF APISON PIKE (SR-317) TO SR-2 (US-11) AT I-75
INTERCHANGE. (COLLEGEDALE CONNECTOR) LENGTH-1.7 MILES (GRADE,
DRAIN, BRIDGES, BASE AND PAVE)

The purchase of right-of-way is underway.

HAMILTON COUNTY SR-58
INTERSECTION AT SR-60 NEAR GEORGETOWN. (INSTALL FLASHING BEACON
AND ADD TURN LANES)

The engineering process is underway.

HAMILTON COUNTY SR-8 US-41/76
INTERSECTION AT HOLTZCLAW AVENUE IN CHATTANOOGA. (SIGNALIZATION)

The purchase of right-of-way is underway. A contract for
construction is tentatively scheduled to be let during the
fall of this year.

PROJECTS UNDER CONSTRUCTION
September 9, 1991

MEIGS COUNTY SR-58
FROM SR-30 IN DECATUR TO NORTH OF BOAT DOCK ROAD/TEN MILE ROAD.
LENGTH-13.32 MILES (RESURFACING)

CONTRACT #: 8584
LET TO CONTRACT: April 5, 1991
CONTRACTOR: Micro-Surface, Inc.
BID PRICE: \$254,984
ESTIMATED COMPLETION DATE: Complete

MEIGS COUNTY SR-58
FROM 4.38 MILES NORTH OF SR-68 TO ROANE COUNTY LINE. LENGTH-3.8
MILES (RESURFACING)

CONTRACT #: 8698
LET TO CONTRACT: June 14, 1991
CONTRACTOR: Asphalt Concepts, Inc.
BID PRICE: \$233,185
ESTIMATED COMPLETION DATE: November, 1991

PROJECTS UNDER DEVELOPMENT
September 9, 1991

MEIGS-RHEA COUNTIES

PROPOSED SR-60, FROM MEIGS-HAMILTON COUNTY LINE TO SR-29 (US-27)
IN RHEA COUNTY/INCLUDES BRIDGE OVER TENNESSEE RIVER. LENGTH-8.3
MILES (CONSTRUCT NEW 2-LANE)

The engineering process is underway.

MEIGS-MCMINN COUNTIES SR-305

FROM CLEARWATER ROAD IN MCMINN COUNTY TO SR-58. LENGTH-6.4 MILES
(RECONSTRUCTION)

The engineering process is underway.

Watts Bar

PROJECTS UNDER CONSTRUCTION
September 9, 1991

MCMINN COUNTY SR-305
MT. VERD ROAD, FROM I-75 TO CLEARWATER ROAD. LENGTH-2.79 MILES.
(CONSTRUCT NEW 2-LANE)

CONTRACT #: 7819
LET TO CONTRACT: September 15, 1989
CONTRACTOR: Charles Blalock & Sons
BID PRICE: \$2,745,962
ESTIMATED COMPLETION DATE: September, 1991

MCMINN COUNTY SR-2 US-11
FROM RICEVILLE TO SR-30 IN ATHENS, SOUTHBOUND LANE ONLY.
LENGTH-6.17 MILES (RESURFACING)

CONTRACT #: 8264
LET TO CONTRACT: August 3, 1990
CONTRACTOR: Asphalt Concepts, Inc.
BID PRICE: \$603,504
ESTIMATED COMPLETION DATE: Complete

MCMINN COUNTY
SOUTHERN RAILROAD CROSSING AT BLAIR/SHULTZ STREETS IN NIOTA.
(RE-ALIGN SHULTZ STREET AND GRADE CROSSING IMPROVEMENTS)

CONTRACT #: 8510
LET TO CONTRACT: February 15, 1991
CONTRACTOR: APAC-Tennessee, Inc.
BID PRICE: \$131,870
ESTIMATED COMPLETION DATE: September, 1991

MCMINN COUNTY SR-305
FROM SR-30 TO SR-2 (US-11) IN ATHENS. LENGTH-2.85 MILES
(RESURFACING)

CONTRACT #: 8511
LET TO CONTRACT: February 15, 1991
CONTRACTOR: Asphalt Concepts, Inc.
BID PRICE: \$388,642
ESTIMATED COMPLETION DATE: Complete

MCMINN-POLK COUNTIES SR-163
FROM 6.5 MILES EAST OF SR-2 (US-11) TO SR-30 (US-411) IN DELANO IN
POLK COUNTY. LENGTH-6.24 MILES (RESURFACING)

CONTRACT #: 8626
LET TO CONTRACT: May 10, 1991
CONTRACTOR: Asphalt Concepts, Inc.
BID PRICE: \$538,750
ESTIMATED COMPLETION DATE: Complete

MCMINN COUNTY SR-39
BRIDGE AND APPROACHES OVER PROSPECT CREEK SOUTH OF LIBERTY HILL.
(BRIDGE REPLACEMENT)

CONTRACT #: 8758
LET TO CONTRACT: August 2, 1991
CONTRACTOR: Hampton, Limited
BID PRICE: \$140,252

MCMINN-BRADLEY COUNTIES I-75
FROM 4.0 MILES SOUTH OF HIWASSEE RIVER IN BRADLEY COUNTY TO 4.0
MILES NORTH OF HIWASEE RIVER. LENGTH-8.0 MILES (OVERLAY AND
LIGHTING)

CONTRACT #: 8798
LET TO CONTRACT: August 12, 1991
CONTRACTOR: Micro-Surface, Inc.
BID PRICE: \$509,626

PROJECTS UNDER DEVELOPMENT
September 9, 1991

MCMINN COUNTY SR-33 US-411
FROM THE 4-LANE SECTION IN ETOWAH TO THE ENGLEWOOD SOUTH CITY
LIMITS AT CHESTUEE CREEK. LENGTH-4.5 MILES (RECONSTRUCT AND WIDEN
TO 4-LANES)

The engineering process is underway. Funding for final design
is included in the current budget.

MCMINN COUNTY SR-33 US-411
FROM THE ENGLEWOOD SOUTH CITY LIMITS AT CHESTUEE CREEK TO THE
MONROE COUNTY LINE. LENGTH-4.8 MILES (RECONSTRUCT & WIDEN TO
4-LANES)

The engineering process is scheduled to begin in the near
future. Funding for final design is included in the current
budget.

MCMINN-MEIGS COUNTIES SR-305
MT. VERD ROAD, FROM CLEARWATER ROAD TO SR-68 IN MEIGS COUNTY.
LENGTH-6.2 MILES (RECONSTRUCTION)

The engineering process is underway.

MCMINN COUNTY
INTERSECTIONS IN ATHENS. (SIGNALIZATION)

The engineering process is underway. A contract for
construction is tentatively scheduled to be let during the
fall of this year.

PROJECTS UNDER CONSTRUCTION
September 9, 1991

RHEA-HAMILTON COUNTIES SR-29 US-27
HIGHWAY 27 CORRIDOR, FROM 0.3 MILE SOUTH OF HAMILTON COUNTY LINE
TO 4-LANE SECTION IN DAYTON. LENGTH-4.5 MILES (RECONSTRUCT TO
4-LANE DIVIDED HIGHWAY)

CONTRACT #: 8003
LET TO CONTRACT: February 16, 1990
CONTRACTOR: Wesco Contracting Co.
BID PRICE: \$6,401,058
ESTIMATED COMPLETION DATE: June, 1992

RHEA COUNTY SR-29 US-27
BRIDGE AND APPROACHES OVER WHITES CREEK NEAR THE ROANE COUNTY
LINE. (JAMES T. WRIGHT BRIDGE) (BRIDGE REPLACEMENT)

CONTRACT #: 8342
LET TO CONTRACT: October 26, 1990
CONTRACTOR: Jones Brothers, Inc.
BID PRICE: \$3,146,437
ESTIMATED COMPLETION DATE: June, 1993

RHEA COUNTY SIA
EXTENSION OF MANUFACTURES ROAD, FROM THE EXISTING DEAD END TO
SR-29 (US-27) IN DAYTON. LENGTH-0.70 MILE (NEW CONSTRUCTION AND
BRIDGE OVER RICHLAND CREEK)

CONTRACT #: 8587
LET TO CONTRACT: April 5, 1991
CONTRACTOR: Highways, Inc.
BID PRICE: \$590,694
ESTIMATED COMPLETION DATE: November, 1991

RHEA COUNTY SR-29 US-27
FROM BRIDGE OVER OVERFLOW IN SPRING CITY TO OLD DIXIE HIGHWAY.
LENGTH-4.3 MILES (RESURFACING)

CONTRACT #: 8705
LET TO CONTRACT: June 14, 1991
CONTRACTOR: Tennessee Asphalt Co.
BID PRICE: \$307,510
ESTIMATED COMPLETION DATE: November, 1991

PROJECTS UNDER DEVELOPMENT
September 9, 1991

RHEA COUNTY SR-29 US-27
FROM SPRING CITY NORTH CITY LIMITS TO ROANE COUNTY LINE.
LENGTH-8.6 MILES (RECONSTRUCT TO 4-LANES)

The engineering process is underway.

RHEA-MEIGS COUNTIES
PROPOSED SR-60, FROM MEIGS-HAMILTON COUNTY LINE TO SR-29 (US-27)
AT DAYTON/INCLUDES BRIDGE OVER TENNESSEE RIVER. LENGTH-8.3 MILES
(CONSTRUCT NEW 2-LANE)

The engineering process is underway.

PROJECTS UNDER CONSTRUCTION
September 9, 1991

ROANE-CUMBERLAND COUNTIES

I-40, INTERCHANGE AT AIRPORT ROAD (RELOCATED SR-299); SR-299
(AIRPORT ROAD), FROM I-40 TO ROCKWOOD AIRPORT. LENGTH-2.06 MILES
(CONSTRUCT NEW INTERCHANGE AND RECONSTRUCT SR-299)

CONTRACT #: 7840

LET TO CONTRACT: October 27, 1989

CONTRACTOR: Hurst Construction Co., Inc.

BID PRICE: \$4,579,192

ESTIMATED COMPLETION DATE: November, 1991

ROANE COUNTY I-40

FROM SR-61 TO WEST OF SR-58. LENGTH-4.02 MILES (RESURFACING AND
SAFETY ADJUSTMENTS)

CONTRACT #: 8423

LET TO CONTRACT: December 7, 1990

CONTRACTOR: Ray Bell Construction Co., Inc.

BID PRICE: \$2,281,828

ESTIMATED COMPLETION DATE: September, 1991

ROANE COUNTY SR-1 US-70

FROM NORTH OF SR-29 (US-27) TO SOUTH OF SR-61 IN ROCKWOOD.
LENGTH-2.7 MILES (RESURFACING)

CONTRACT #: 8706

LET TO CONTRACT: June 14, 1991

CONTRACTOR: Renfro Construction Co., Inc.

BID PRICE: \$297,400

ESTIMATED COMPLETION DATE: November, 1991

PROJECTS UNDER DEVELOPMENT
September 9, 1991

ROANE COUNTY SR-29 US-27
FROM RHEA COUNTY LINE TO 4-LANE SECTION SOUTH OF ROCKWOOD.
LENGTH-4.5 MILES (RECONSTRUCT TO 4-LANES)

The engineering process is underway.

ROANE COUNTY
SWAN POND ROAD, BRIDGE AND APPROACHES OVER EMORY RIVER IN
HARRIMAN. (BRIDGE REPLACEMENT)

The purchase of right-of-way is underway. A contract for construction is tentatively scheduled to be let late this year.

ROANE COUNTY SR-29 US-27
INTERSECTIONS AT EMORY DRIVE/MAYBERRY DRIVE AND WEBSTER PIKE IN
HARRIMAN. (SIGNALIZATION)

The engineering process is scheduled to begin during the summer of this year.

ROANE COUNTY SR-1 US-70
BRIDGE OVER SOUTHERN RAILROAD/BLACK CREEK (BRIDGE REPAIR)

This project is currently advertised for the September 13, 1991 contract letting.

Section L: Texas

Texas

The state of Texas contains two nuclear reactor sites: Comanche Peak and South Texas.

The Comanche Peak nuclear reactor site is located in Somervell County. Highway access in front of the site received seal coat preventative maintenance in the spring of 1990. A project which will widen U.S. 67 from Farm-to-Market (FM) 56 to 0.45 miles east of state highway 144 south will begin in September 1993. Approximately four miles from the Comanche Peak Site, the section will widen a length of 1.7 miles from two lanes to four lanes.

The Comanche Peak site also has railway access. Santa Fe Railways initially installed the rail spurs to provide a means of moving construction materials to the site. The primary transportation of nuclear waste is through highway access, and there are no known plans for infrastructure upgrades within the next five years.

The South Texas Site is located in Matagorda County. FM 521 provides highway access to the site, and there are no plans to upgrade this road in the next five years. State highway 35, which is very close to the South Texas site, is scheduled for contract letting in September 1993 to add two lanes from Van Vleck to FM 457. This would upgrade the section to a four lane divided highway for 4.2 miles. Plans have been completed on a project on state highway 35 eight miles north of the South Texas site which is 8.5 miles in length, but the project has not been scheduled for contract letting. Nine miles of State Highway 60, eight miles east of the South Texas site, is scheduled to be widened.

The South Texas site also has railroad access. There were no known scheduled bridge or rail spur upgrading plans in the next five years.

Information from paragraph three regarding railroad access is from a telephone interview with Mr. Donald Kerns, lobbyist for the Santa Fe Railway Corporation, September 5, 1991.

**TEXAS
DEPARTMENT OF TRANSPORTATION**

September 18, 1991

Mr. J. Michael Martinez
Assistant Director, Policy Analysis
Southern States Energy Board
3091 Governors Lakes Drive#400
Norcross, Georgia 30071

Dear Mr. Martinez:

This is in response to your request to John Robey for information pertaining to this department's plans for infrastructure modifications in the vicinity of the Comanche Peak and South Texas nuclear reactor sites.

The South Texas site is located in Matagorda County on Farm-to-Market (FM) road 521. There are no plans to upgrade this road in the next five years. However, State Highway (SH) 35 is located very close to the nuclear site and we have plans to add two lanes to this highway to upgrade it to a four lane divided highway. This project is scheduled for contract letting in September, 1993. It will extend from Van Vleck, Texas to FM 457. This is 4.2 miles and the estimated cost is \$6,310,000.

SH 60 is scheduled to be widened in 1993. This project is eight miles east of the South Texas site, will be nine miles long, and cost approximately \$1.5 million. In addition, we have a "backlog" project on SH 35 eight miles north of the plant. Plans are complete but the project has not been added to the contract letting schedule. As soon as funds are available (and it could well be within the five year time frame in which you are interested) this project may be scheduled for contract letting. This rehabilitation project is 8.5 miles in length and would cost an estimated \$1.3 million.

The Comanche Peak site is in Somervell County. Seal coat preventive maintenance work was completed last spring on the road that runs in front of the site. In September, 1993 a section of United States (US) 67 which is about 4 miles from the Comanche Peak site is scheduled to be widened from two lanes to four lanes. The estimated construction cost is \$2,813,000 and the length is 1.7 miles. The project will extend on US 67 from FM 56 to 0.45 miles East of SH 144 South.

Page 2
Mr. J. Michael Martinez
September 18, 1991

Conversations with field personnel indicated that they are not aware of any scheduled bridge or rail spur work.

We hope this information will be of some use to you. If we may be of any further assistance please call John Robey at (512) 463-8667 or me at (512) 463-8662.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tom Griebel', with a long horizontal line extending to the left.

Thomas A. Griebel
Director
Division of Planning and Policy

TAG:jsr

Section M: Virginia

Virginia

There are two commercial nuclear power reactors in the state of Virginia: North Anna and Surry Nuclear Power Plants.

The North Anna Plant is located in Louisa County. There are several infrastructure modifications planned by the Virginia Department of Transportation over the next five years for the Louisa Bypass. From 0.3 mile west of Louisa to Lock Lane Drive, two of the four lanes on the Louisa Bypass will receive right-of-way modifications and the segment will also be widened. Route 522 will undergo reconstruction from 0.1 mile north of the city limits of Mineral to 0.6 mile north of route 208.

The Surry Plant is located in Surry County. Route 617 is scheduled to receive twenty-four inches of repavement from Route 650 to Route 10. The same modifications will improve Route 633 from Route 10 to east of Route 634. Across the James River in Hampton County, Mercury Boulevard will be widened to eight lanes from Orcutt Avenue to Queen Street. The James River Bridge, also on Mercury Boulevard, will also be widened. In Newport News, J.C. Morris Boulevard will be widened to six lanes from Jefferson Avenue to Interstate 64.

There were no rail spur modifications listed by the Virginia Department of Transportation.

Virginia

County/City	Route	Name	From	To	Improvement
Louisiana	33	Louisiana BYP	.3 MW WCL Louisiana	Lock Lane Dr	2 Lanes on 4-Lane R/W on New Location
Louisiana	33	Louisiana BYP	Lock Lane Dr.	.3 ME Rte 33	Widening
Louisiana	522		.1 MS NCL Mineral	.6 MN Rte 208	2-Lane Reconstruction
Louisiana	617		Rte 650	Rte 10	2-Lane 24'
Louisiana	633		Rte 10	E Rte 634	2-Lane 24'
Louisiana	238/17	Mercury Blvd.	Orcutt Ave	Queen St	Widen to 8 Lanes
Louisiana	238/17	Mercury Blvd.	James River Br	E of Jefferson Ave	Widen BR (under construction)
Louisiana	17	JC Morris Blvd.	Jefferson Ave	I-64	6 Lanes
Louisiana	603		Rte 1	Realigned Inters	Increase Sight Distance
Louisiana	608		Rte 628	Rte 1	Realign/Reconstruct Intersection
Louisiana	617		Rte 645	Matta River	Widen/New Hard Surface
Louisiana	617		Rte 605	.9 MN Rte 605	Widen/New Hard Surface
Louisiana	617		Rte 606	.6 MS Rte 606	Reconstruct/New Hard Surface
Louisiana	622		Rte 658	Rte 669	Reconstruct/Hard Surface
Louisiana	632		Rte 1	.6 MS Rte 1	Widen/New Hard Surface
Louisiana	645		Rte 617	.4 MW Rte 617	Widen/New Hard Surface
Louisiana	656		Rte 691	Ta River	Reconstruct/Bridge
Louisiana	656		Rte 691	Rte 614	Reconstruct/New Hard Surface
Louisiana	669		.8 MS Rte 738	Rte 662	Improve/New Hard Surface
Louisiana	669		Rte 662	Caroline Ln	Widen/New Hard Surface
Louisiana	669		Rte 738	End	Widen/New Hard Surface
Louisiana	728		Rte 650	.65 MW 650	Reconstruct/New Hard Surface
Louisiana	603		S Rte 604	.139 MS Rte 604	Complete Reconstruction
Louisiana	603		Bridge Over	Motto River	Replace Bridge
Louisiana	639		Rte 1	Rte 603	Complete Reconstruction
Louisiana	727		Rte 604	Dead End	New Surface Treatment
Louisiana	754		Rte 632	Dead End	New Surface Treatment

**DATE
FILMED**

7 / 29 / 93

END