

## Introduction

The Johnson City area was designated as an "Urbanized Area" by the U.S. Bureau of the Census following the 1980 Census. As a result the area has come under the provisions of the Federal-Aid-Highway Acts and the Urban Mass Transportation Act of 1964, as amended, which require a "continuing, comprehensive, and cooperative (3C)" planning process in all urban areas of more than 50,000 population.

In keeping with these provisions, the Johnson City Metropolitan Planning Organization (MPO) has been established, consisting of the Cities of Johnson City and Elizabethton, the Town of Jonesborough, the Counties of Carter and Washington, and the State of Tennessee. The purpose of the MPO is to develop and carry out a comprehensive transportation planning process and to ensure that programs, improvements, and expenditures are consistent with regional goals, policies, and plans.

This document, the Transportation Improvement Program (TIP) for FY 2003 - 2006, describes and lists those capital projects approved for funding within the Johnson City MPO transportation planning region for the fiscal years indicated. Types of projects include highways, public transportation, bicycle and pedestrian facilities, and traffic signalization/intersection improvements. The projects in the TIP are derived from the Long Range Transportation Plan (LRTP) for the Johnson City Urban Area. The current plan was adopted by the MPO Executive Board in September 2001 and must be updated at a minimum of every five years. Both the regional Transportation Improvement Program and the Long Range Transportation Plan are available at the website: <http://www.jcmpo.org>. Public comments on both the TIP and the LRTP are continually accepted by the MPO staff and may be sent to:

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Johnson City MPO  
137 West Market Street  
Johnson City, Tennessee 37604

# **SECTION 1: Highways, Bridges, Bikeways and Pedestrian Facilities**

**JOHNSON CITY MPO/URBANIZED AREA TRANSPORTATION IMPROVEMENT PROGRAM - FY 2003-2006  
HIGHWAY & INTERMODAL PROJECTS  
(\$1,000s)**

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
<b>STP LOCAL PROJECTS</b>											
1  LRTP# 7	JC	STP - LOCAL  STP-M- NHE- 9107(15)	SIGNALIZATION AT VARIOUS INTERSECTIONS NORTH STATE OF FRANKLIN ROAD (SR 381) CORRIDOR	SIGNALIZATION AND TRAFFIC MANAGEMENT SYSTEM INCLUDING SIGNAL UPGRADES, NEW SIGNALS AND FIBER OPTICS	ROW/ CON	Engineering Underway	FHWA 900.0 TDOT 00.0 LOCAL <u>00.0</u> TOTAL 900.0				FHWA 900.0 TDOT 00.0 LOCAL <u>00.0</u> TOTAL 900.0
2  LRTP# 9	JC	STP- LOCAL	SR 34 (BRISTOL HIGHWAY) FROM SR 381 TO SR 36	WIDENING TO 5 LANES (LENGTH OF 0.8 MILES)	PE	Project Number Not Yet Assigned	FHWA 240.0 TDOT 60.0 LOCAL <u>0.0</u> TOTAL 300.0	Note: Subsequent Phases of Project to be with STP State Funding			FHWA 240.0 TDOT 60.0 LOCAL <u>0.0</u> TOTAL 300.0
3  LRTP# 15	EL	STP- LOCAL	LYNN AVENUE FROM BROAD (US 321) TO "G" STREET	WIDENING TO 5 LANES (LENGTH OF 0.33 MILES)	PE	Project Number Not Yet Assigned	FHWA 40.8 TDOT 0.0 LOCAL <u>10.2</u> TOTAL 51.0				
					ROW			FHWA 260.0 TDOT 0.0 LOCAL <u>65.0</u> TOTAL 325.0			
					CON				FHWA 592.0 TDOT 0.0 LOCAL <u>148.0</u> TOTAL 740.0		FHWA 892.8 TDOT 0.0 LOCAL <u>223.2</u> TOTAL 1,116.0
			<b>STP LOCAL PROJECT TOTALS</b>								<b>FHWA 1,132.8 TDOT 60.0 LOCAL <u>223.2</u> TOTAL 1,416.0</b>
<b>Projects Completed and Awaiting Final Voucher (STP – Local)</b>											
	EL	STP - LOCAL  STP-M- NHE-	PHASE II SIGNAL IMPROVEMENTS  AT VARIOUS INTERSECTIONS	SIGNALIZATION	ALL						

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
		9103(3)									
	EL	STP – LOCAL STP-M- NHE- 67(15)	SR 67 AT BEMBERG (WALMART INTERSECTION)	SIGNALIZATION	ALL						
	EL	STP – LOCAL STP-M- 9103(7)	PHASE III SIGNAL IMPROVEMENTS  AT VARIOUS INTERSECTIONS	SIGNALIZATION	ALL						
	JO	STP – LOCAL STP-M- NHE- 34(35)	SIGNALIZATION AT US 11E/HEADTOWN ROAD INTERSECTION	SIGNALIZATION	ALL						
<b>STP ENHANCEMENT PROJECTS</b>											
1	JC	STP ENH	SR 381 BIKEWAY  ETSU TO WEST MARKET  STP-EN-9107(9)	CONSTRUCTION OF BIKEWAY FACILITY	ALL	Engineering Underway	FHWA 160.0 TDOT 0.0 LOCAL <u>40.0</u> TOTAL 200.0				FHWA 160.0 TDOT 0.0 LOCAL <u>40.0</u> TOTAL 200.0
2	EL	STP ENH	RIVERFRONT LINEAR WALKING/BICYCL E PATH: DOE RIVER TO SYCAMORE SHOALS STP-EN-1000(18)	CONSTRUCTION OF BIKEWAY/PEDESTRI AN FACILITY	ALL	Engineering Underway	FHWA 144.0 TDOT 0.0 LOCAL <u>36.00</u> TOTAL 180.00				FHWA 144.0 TDOT 0.0 LOCAL <u>36.00</u> TOTAL 180.00
3	JC	STP ENH	SR 381 BIKEWAY  STP-EN-9107(12)	CONSTRUCTION OF BIKEWAY/PEDESTRI AN FACILITY	ALL	Authority to proceed on 1/19/99	FHWA 320.0 TDOT 0.0 LOCAL <u>80.00</u> TOTAL 400.00				FHWA 320.0 TDOT 0.0 LOCAL <u>80.00</u> TOTAL 400.00
4	JO	STP ENH	SITE AMENITIES FOR STORYTELLING CENTER STP-EN-9000(39)	CONSTRUCTION OF WALKING TRAIL AND LANDSCAPING AMENITIES	ALL	Engineering Underway	FHWA 392.85 TDOT 0.0 LOCAL <u>98.21</u> TOTAL 491.06				FHWA 392.85 TDOT 0.0 LOCAL <u>98.21</u> TOTAL 491.06

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
5	EL	STP ENH	IMPROVEMENTS TO HISTORIC COVERED BRIDGE STP-EN-9103(9)	BRIDGE MAINTENANCE	ALL	Authority to proceed on 3/27/02	FHWA 98.0 TDOT 0.0 LOCAL <u>24.5</u> TOTAL 122.50				FHWA 98.0 TDOT 0.0 LOCAL <u>24.5</u> TOTAL 122.50
6	EL	STP ENH	RIVERFRONT LINEAR WALKING/BICYCL E PATH, PHASE IV	CONSTRUCTION OF BIKEWAY/PEDESTRI AN FACILITY	ALL		FHWA 144.0 TDOT 0.0 LOCAL <u>36.0</u> TOTAL 180.0				FHWA 144.0 TDOT 0.0 LOCAL <u>36.0</u> TOTAL 180.0
7	EL	STP ENH	RIVERFRONT LINEAR WALKING/BICYCL E PATH, PHASE V STP-EN-9103(8)	CONSTRUCTION OF BIKEWAY/PEDESTRI AN FACILITY	ALL	Engineering Underway	FHWA 150.0 TDOT 0.0 LOCAL <u>37.5</u> TOTAL 187.50				FHWA 150.0 TDOT 0.0 LOCAL <u>37.5</u> TOTAL 187.50
8	ET	STP ENH	VISITOR'S CENTER AT THE GRAY FOSSIL SITE	CONSTRUCTION OF VISITOR'S CENTER AND ASSOCIATED AMENITIES	ALL		FHWA 8,000.0 TDOT 0.0 OTHER <u>2,000.0</u> TOTAL 10,000.0				FHWA 8,000.0 TDOT 0.0 OTHER <u>2,000.0</u> TOTAL 10,000.0
			<b>STP ENHANCEMENT PROJECT TOTALS</b>								<b>FHWA 9,408.85 TDOT 0.0 LOCAL 2,352.21 TOTAL 11,761.06</b>
<b>STATE – FEDERAL HIGHWAY PROJECTS</b>											
1 <i>L RTP#</i> 1	EL	STP - STATE	SR 91 FROM SR 37 (US 19E) TO WEST OF GREEN VALLEY ROAD	WIDENING TO 5 LANES (LENGTH OF 2.5 MILES)	STG CON	Under Contract	FHWA 6,320.0 TDOT 1,580.0 LOCAL <u>0.0</u> TOTAL 7,900.0				FHWA 6,320.0 TDOT 1,580.0 LOCAL <u>0.0</u> TOTAL 7,900.0
2 <i>L RTP#</i> 2	JC	STP - STATE	SR 36 FROM SR 381 TO SR 354	WIDENING TO 5 LANES (LENGTH OF 2.0 MILES)	PE	Right-of-Way Underway	FHWA 0.0 TDOT 300.0 LOCAL <u>0.0</u> TOTAL 300.0				
""		STP - STATE			ROW		FHWA 2,880.0 TDOT 720.0 LOCAL <u>0.0</u> TOTAL 3,600.0				

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
		STP- STATE			CON	Letting Date Scheduled for 10/24/03		FHWA 5,120.0 TDOT 1,280.0 LOCAL <u>0.0</u> TOTAL 6,400.0			
		HPP			CON	""		FHWA 1,360.0 TDOT 340.0 LOCAL <u>0.0</u> TOTAL 1,700.0			FHWA 9,360.0 TDOT 2,340.0 LOCAL <u>0.0</u> TOTAL 11,700.0
3 <i>L RTP#</i> 3	EL	HPP	ELIZABETHTON NORTHERN CONNECTOR FROM SR 91 TO U.S 321	4.0 MILES OF CONSTRUCTION - NEW FACILITY	PE	Engineering Underway	FHWA 0.0 TDOT 800.0 LOCAL <u>0.0</u> TOTAL 800.0				
""		STP- STATE			ROW			FHWA 2,880.0 TDOT 720.0 LOCAL <u>0.0</u> TOTAL 3,600.0			
""		STP- STATE			CON					FHWA 12,000.0 TDOT 3,000.0 LOCAL <u>0.0</u> TOTAL 15,000.0	
""		HPP			CON					FHWA 2,800.0 TDOT 700.0 LOCAL <u>0.0</u> TOTAL 3,500.0	FHWA 17,680.0 TDOT 5,220.0 LOCAL <u>0.0</u> TOTAL 22,900.0
4 <i>L RTP#</i> 4	EL	STP - STATE	SR 362: FROM SR 361 (Dry Creek Road) TO SR 67 (US 321)	5.8 MILES WIDENING TO 2/3 LANE	PE	Engineering Underway	FHWA 640.0 TDOT 160.0 LOCAL <u>0.0</u> TOTAL 800.0				
""		STP- STATE			ROW			FHWA 2,160.0 TDOT 540.0 LOCAL <u>0.0</u> TOTAL 2,700.0			FHWA 2,800.0 TDOT 700.0 LOCAL <u>0.0</u> TOTAL 3,500.0
5	WA	STP-	SR 36 FROM SR	4.1 MILES WIDENING TO 5-	ROW	Engineering Underway	FHWA 1,760.0 TDOT 440.0				

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
L RTP# 5		STATE	354 TO SR 75	LANES			LOCAL <u>0.0</u> TOTAL 2,200.0				
""		STP- STATE			CON				FHWA 10,000.0 TDOT 2,500.0 LOCAL <u>0.0</u> TOTAL 12,500.0		FHWA 11,760.0 TDOT 2,940.0 LOCAL <u>0.0</u> TOTAL 14,700.0
6 L RTP# 9	JC	STP- STATE	SR 34 (BRISTOL HIGHWAY) FROM SR 381 TO SR 36	WIDENING TO 5 LANES (LENGTH OF 0.8 MILES)	ROW	Engineering Committed with Local STP		FHWA 1,120.0 TDOT 280.0 LOCAL <u>0.0</u> TOTAL 1,400.0			
""					CON					FHWA 2,480.0 TDOT 620.0 LOCAL <u>0.0</u> TOTAL 3,100.0	FHWA 3,264.0 TDOT 816.0 LOCAL <u>0.0</u> TOTAL 4,080.0
			<b>STATE HIGHWAY PROJECT TOTALS</b>								FHWA 51,184.0 TDOT 13,596.0 LOCAL <u>0.0</u> TOTAL 64,780.0
<b>BRIDGE IMPROVEMENT PROJECTS</b>											
1	EL	BRR-L	BRIDGE OVER DOE RIVER (LM 0.11) ON ELK AVENUE ( ROUTE 3939)	BRIDGE REHABILITATION	ROW	Engineering Underway	FHWA 24.0 TDOT 0.0 LOCAL <u>6.0</u> TOTAL 30.0				
-					CON				FHWA 852.0 TDOT 0.0 LOCAL 213.0 TOTAL 1,065.0		FHWA 876.0 TDOT 0.0 LOCAL 219.0 TOTAL 1,095.0
2	JO	BRR-L	BRIDGE OVER LITTLE LIMESTONE CREEK (LM 0.49) ON FOX AVENUE (ROUTE 1359) IN JONESBOROUGH	BRIDGE REPLACEMENT	ROW		FHWA 20.0 TDOT 0.0 LOCAL <u>5.0</u> TOTAL 25.0				

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
-					CON				FHWA 240.0 TDOT 0.0 LOCAL <u>60.0</u> TOTAL 300.0		FHWA 260.0 TDOT 0.0 LOCAL <u>65.0</u> TOTAL 325.0
3	EL	BRR-S	BRIDGE OVER WATAUGA RIVER & COUNTY ROAD (LM 5.16) ON STATE ROUTE 400	BRIDGE REHABILITATION	PE	Engineering Underway	FHWA 60.0 TDOT 15.0 LOCAL <u>0.0</u> TOTAL 75.0				
""					ROW				FHWA 24.0 TDOT 6.0 LOCAL <u>0.0</u> TOTAL 30.0		
""					CON					FHWA 1,680.0 TDOT 420.0 LOCAL <u>0.0</u> TOTAL 2,100.0	FHWA 1,764.0 TDOT 441.0 LOCAL <u>284.0</u> TOTAL 2,489.0
			<b>BRIDGE IMPROVEMENT PROJECT TOTALS</b>								<b>FHWA 2,900.0 TDOT 441.0 LOCAL <u>284.0</u> TOTAL 3,625.0</b>
<b>DEMONSTRATION AND OTHER GRANTS</b>											
1	JC	ITS	INTELLIGENT TRANS. SYSTEM PHASE II  IVHS-9447(402)	ITS PROJECT (Transit, Traffic Management, Incident Management) Information System Improvements Traffic and Transit Systems	ALL	Work Activities Underway	FHWA 1,230.0 TDOT 153.75 LOCAL <u>153.75</u> TOTAL 1,537.5				FHWA 1,230.0 TDOT 153.75 LOCAL <u>153.75</u> TOTAL 1,537.5
2	JC	ITS	INTELLIGENT TRANS. SYSTEM PHASE III  NON- INTERSTATE IVHS-9447(402)	ITS PROJECT (Incident Management) Message Signs, Fiber Optics, Travel Signal System Enhancements	ALL	Work Activities Underway	FHWA 2,420.0 TDOT 0.00 LOCAL <u>605.00</u> TOTAL 3,025.00				FHWA 2,420.0 TDOT 0.00 LOCAL <u>605.00</u> TOTAL 3,025.00

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
3	JC	ITS	INTELLIGENT TRANS. SYSTEM PHASE III  TDOT/NCDOT ROUTES IVHS-9447(402)	ITS PROJECT (Incident Management) Message Signs, Fiber Optics, 511 Travel System  I-26 Traveler Information System	ALL	Planning Underway	Note: Project shared with North Carolina and Tennessee	FHWA 1,600.0 NC/TDOT 400.00 LOCAL <u>0.00</u>  TOTAL 2,000.00			FHWA 1,600.0 TDOT/NCDOT 400.00 LOCAL <u>0.00</u>  TOTAL 2,000.00
4	WA	RTP	U.S.D.A. CHEROKEE NATIONAL FOREST BUFFALO MOUNTAIN BIKE TRAIL SYSTEM DEVELOPMENT	RECREATIONAL TRAIL: WASHINGTON AND UNICOI COUNTIES	ALL	Engineering Underway	FHWA 17.403 TDOT 0.0 LOCAL <u>4.53</u>  TOTAL 21.753				FHWA 17.403 TDOT 0.0 LOCAL <u>4.53</u>  TOTAL 21.753
5	CA	RTP	ELIZABETHTON RIVERFRONT LINEAR WALKING/BICYCL E TRAIL - PHASE IV	RECREATIONAL LINEAR/WALKING BICYCLE TRAIL	ALL	Engineering Underway	FHWA 80.0 TDOT 0.0 LOCAL <u>20.0</u>  TOTAL 100.0				FHWA 80.0 TDOT 0.0 LOCAL <u>20.0</u>  TOTAL 100.0
6	JC/ WA	CONGRE SSIONAL	KNOB CREEK RAIL UNDERPASS	RECONSTRUCTION TO CURRENT STANDARDS	PE/ ROW	New Project		FHWA 1,261.745 TDOT 0.0 LOCAL <u>0.0</u>  TOTAL 1,261.745			FHWA 1,261.745 TDOT 0.0 LOCAL <u>0.0</u>  TOTAL 1,261.745
7	JC	TCSP	VA-ETSU ACCESS FACILITY FOR MEDICAL SCHOOL	2-LANE CONNECTION BETWEEN VA-MED SCHOOL AND MAIN STREET	ALL	New Project		FHWA 852.0 TDOT 0.0 LOCAL <u>0.0</u>  TOTAL 852.0			FHWA 852.0 TDOT 0.0 LOCAL <u>0.0</u>  TOTAL 852.0
				DEMONSTRATION AND OTHER PROJECT TOTALS							FHWA 7,461.148 TDOT 553.75 LOCAL <u>783.28</u>  TOTAL 8,798.178
<b>HANDICAPPED TRANSPORTION</b>											
7	DH	FTA SECTIO N 5310	HANDICAPPED TRANS.	PURCHASE 2 15- PASSENGER VANS	ALL			FTA 39.6 TDOT 0.0 AGENCY <u>4.4</u>  TOTAL 44.0			FTA 39.6 TDOT 0.0 AGENCY <u>4.4</u>  TOTAL 44.0

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
				HANDICAPPED TRANSPORTATION TOTALS							FTA 39.6 TDOT 0.0 AGENCY 4.4 TOTAL 44.0
<b>ILLUSTRATIVE LIST OF FUTURE NEEDS</b>											
***	JC	TO BE DETER- MINED	INTERSTATE 26 FROM I-81 TO SR 359 (OKALONA EXIT)	WIDENING TO SIX LANES	ALL	FEASIBILTiy STUDY COMPLETE					
***	JC/ WA	STP FLEX	AIR QUALITY PROGRAM	DEMAND MANAGEMENT (Air Quality Mitigation)	ALL	CONTINGENCY PROJECT FOR EARLY ACTION COMPACT					
***	JC	TO BE DETER- MINED	TENNESSEE STREET FROM LAMONT TO JOHN EXUM	5-LANE EXTENSION	ALL	APR COMPLETE JOHNSON CITY "SAFETEA" PROJECT	JOHNSON CITY WILL EVALUATE LOCAL MATCHING CAPACITY	ESTIMATED PROJECT COST - \$3 MILLION			
***	JO	TO BE DETER- MINED	US 11E CONGESTION MANAGEMENT	SIGNALIZATION IMPROVEMENT/ACC ESS IMPROVEMNTS (Air Quality Mitigation)	ALL	TOWN OF JONES. WILL RECOMMEND SCOPE	JONESBOROUGH "SAFETEA" PROJECT Local or State STP	ESTIMATED PROJECT COST - \$500,000			
***	JC	TO BE DETER- MINED	BRIDGE WIDENING ON INDIAN RIDGE ROAD AT INTERSECTION WITH SR 381	WIDENING OF BRIDGE AND APPROACHES	ALL	NEEDS MORE EVALUATION ON FUNDING SOURCES	FUTURE BRR PROJECT				
***	JC	TO BE DETERM INED	INTERCHANGE UPGRADES BETWEEN SR 67 AND SR 359	INTERCHANGE RECONSTRUCTION/ OR NEW INTERCHANGE	ALL	NEEDS MORE EVALUATION ON FUNDING SOURCES/ ALTERNATIVES & APR	DESIGN FOR FUTURE I- 326SPUR BETWEEN ELIZ. AND JOHNSON CITY				
***	JC/ WA	TO BE DETERM INED	OPERATIONS AND MAINTENANCE OF TRAFFIC OPERATIONS CENTER	SIGNAL SYSTEM AND RELATED IMPROVEMENTS (Air Quality Mitigation)	ALL	FUTURE STP PROJECT					

RANK	SP ON SO R	FUND	PROJECT	TYPE IMPROVEMENT	PHASE	Status	'03	'04	'05	'06	TOTAL PROJECT COST
***	EL	TO BE DETERM INED	TRAFFIC OPERATIONS CENTER	SIGNAL SYSTEM AND RELATED IMPROVEMENTS	ALL	FUTURE STP PROJECT					

By agreement between TDOT and the MPO, this TIP includes any Resurfacing, Rehabilitation or Restoration (3R) and Safety Projects to be funded on the National Highway System (NHS); 3R and Safety Projects funded with Surface Transportation Program (STP) funds; bridge projects funded with Bridge Rehabilitation and Rehabilitation (BR) funds that do not provide through lanes; and Safety and Enhancement Projects funded with STP funds. These type projects may not be specifically listed in the tables. They are minor projects that do not alter the functional capacity of a facility and do not impact regional air quality emissions and are environmentally neutral.

\*\*\*The Illustrative List of Future Projects provides a contingency list if unanticipated funding becomes available via TEA 21 programs. Due to the detailed estimates being unavailable for most projects on the Illustrative List, additional work will be needed for project consideration by the Johnson City MPO Executive Board.

**Note: All future schedules subject to availability of funds. This TIP is financially constrained to estimated future resources.**

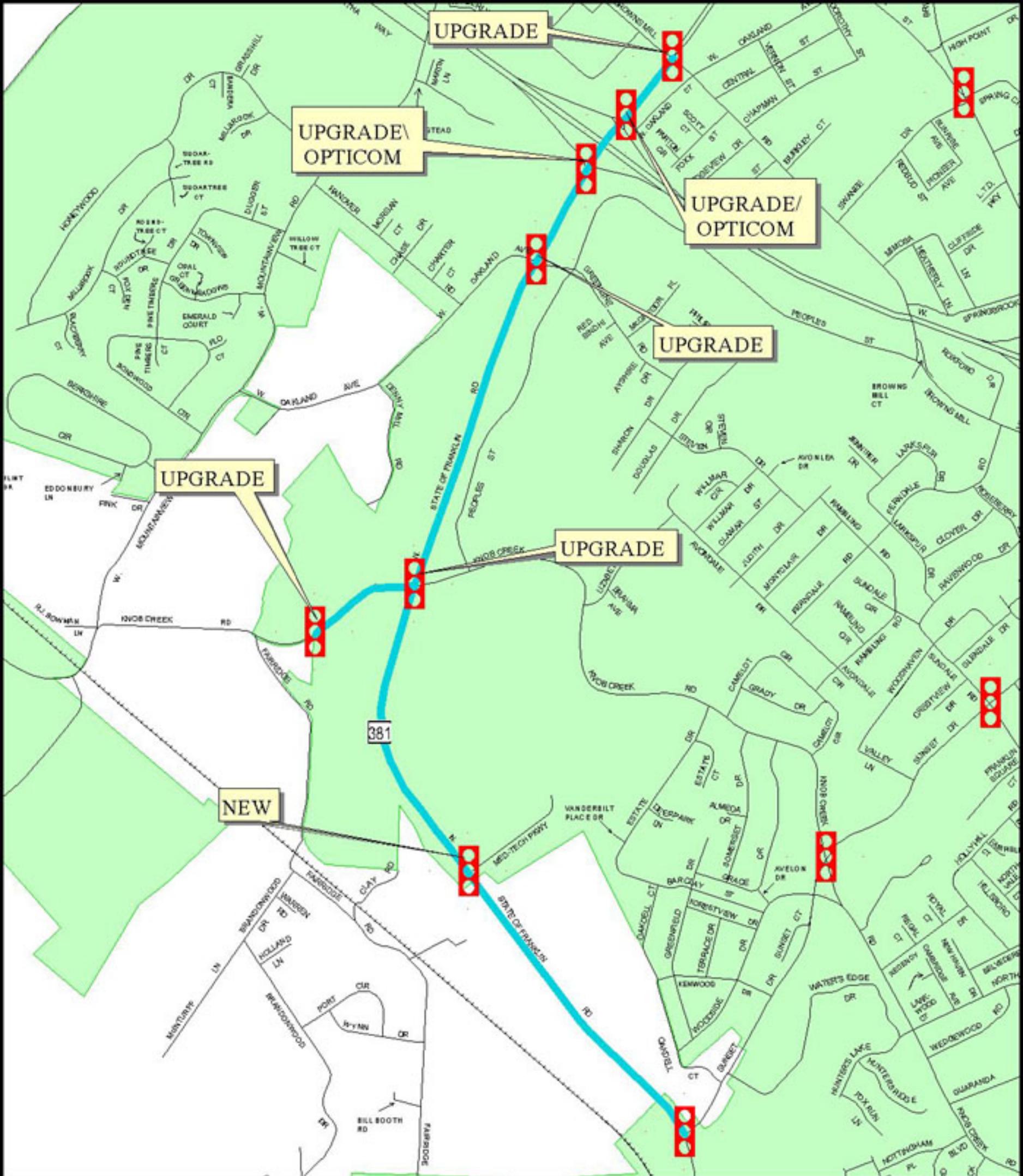
**Note: Long Range Plan Reference Numbers are from Page 3-20 of the Johnson City MPO Long Range Transportation Plan as adopted in September 2001.**

**Note: The advertised public comment period was from August 1 through August 21, 2003 via postings at the [jcmpto.org](http://jcmpto.org) website and the Johnson City Press.**

**Sponsor Abbreviations Key**

- JC** JOHNSON CITY
- EL** ELIZABETHTON
- JO** JONESBOROUGH
- DH** DAWN OF HOPE
- WA** WASHINGTON COUNTY
- ET** EAST TENNESSEE STATE UNIVERSITY

# **SECTION 1a: Project Location Maps**



**Legend**

- Traffic Signals
- Interconnect
- Railroads
- Johnson City



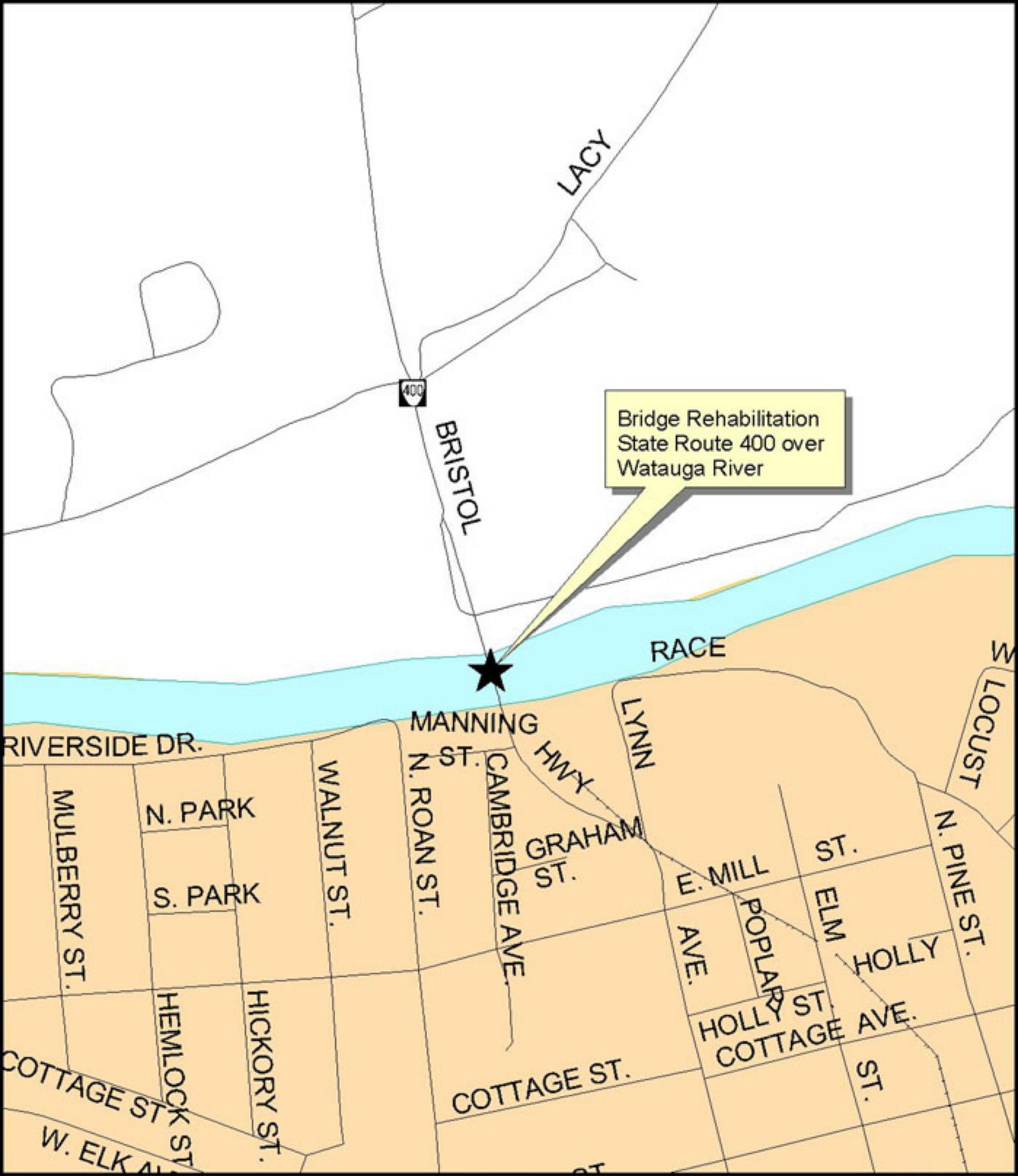
# STP Local Projects - 1

Scale 1:16,800

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Feet

**GEODECISIONS**  
 8100 North of General Blevins  
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 Map by: Julie McCaff 12/3/02



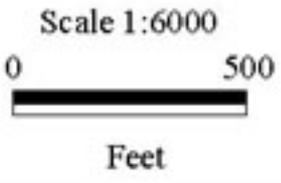
Bridge Rehabilitation  
State Route 400 over  
Watauga River

**Legend**

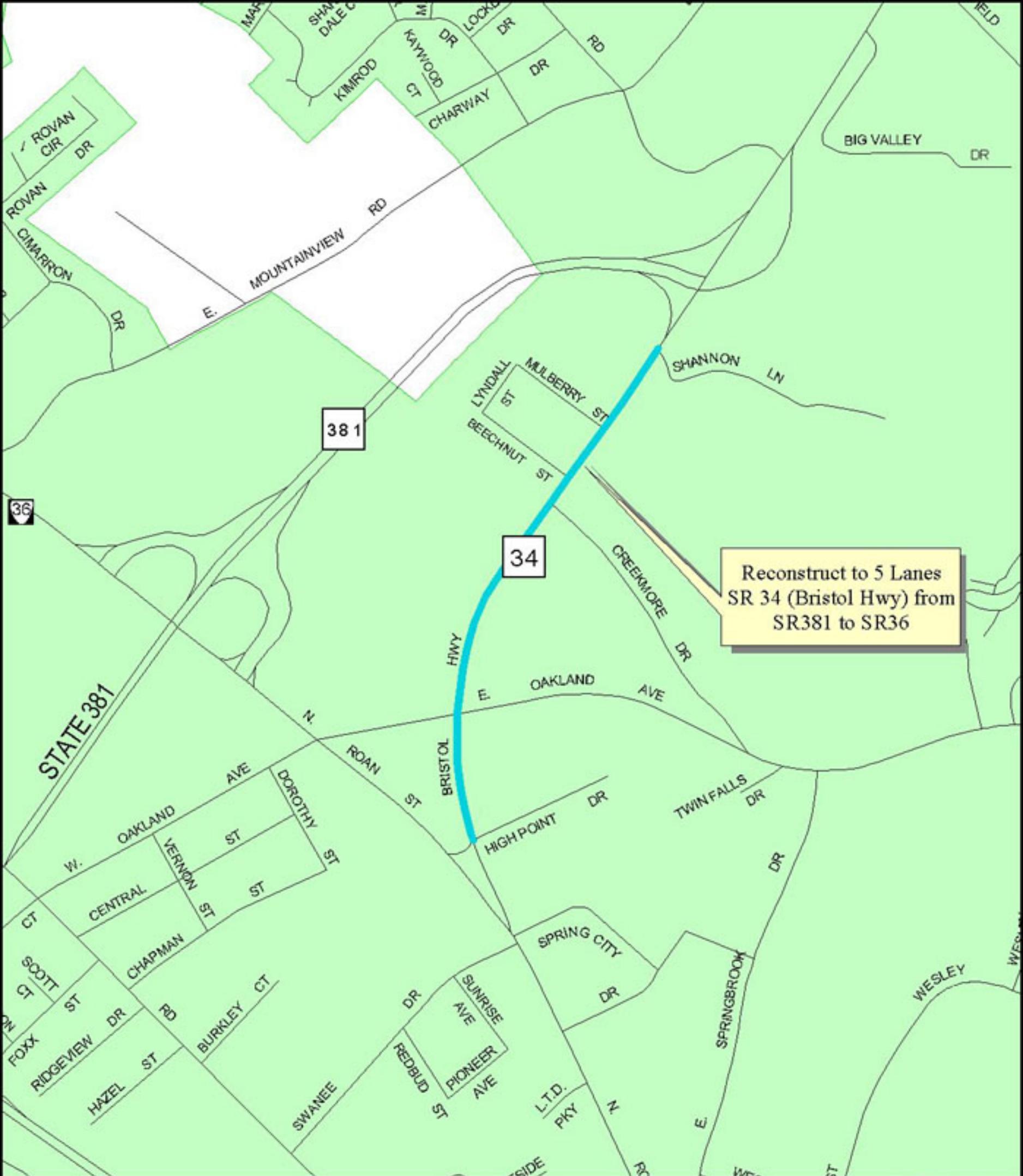
- ★ State Route 400 Bridge
- 🚂 Railroads
- 🟡 Elizabethton



# Bridge Improvement Projects - 3



**GEODECISIONS**  
Division of Geomatics  
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 Map by: Julie McCarr 12/3/02



**Legend**

-  State Route 34 (Bristol Highway)
-  Railroads
-  Johnson City



# STP Local Projects - 2

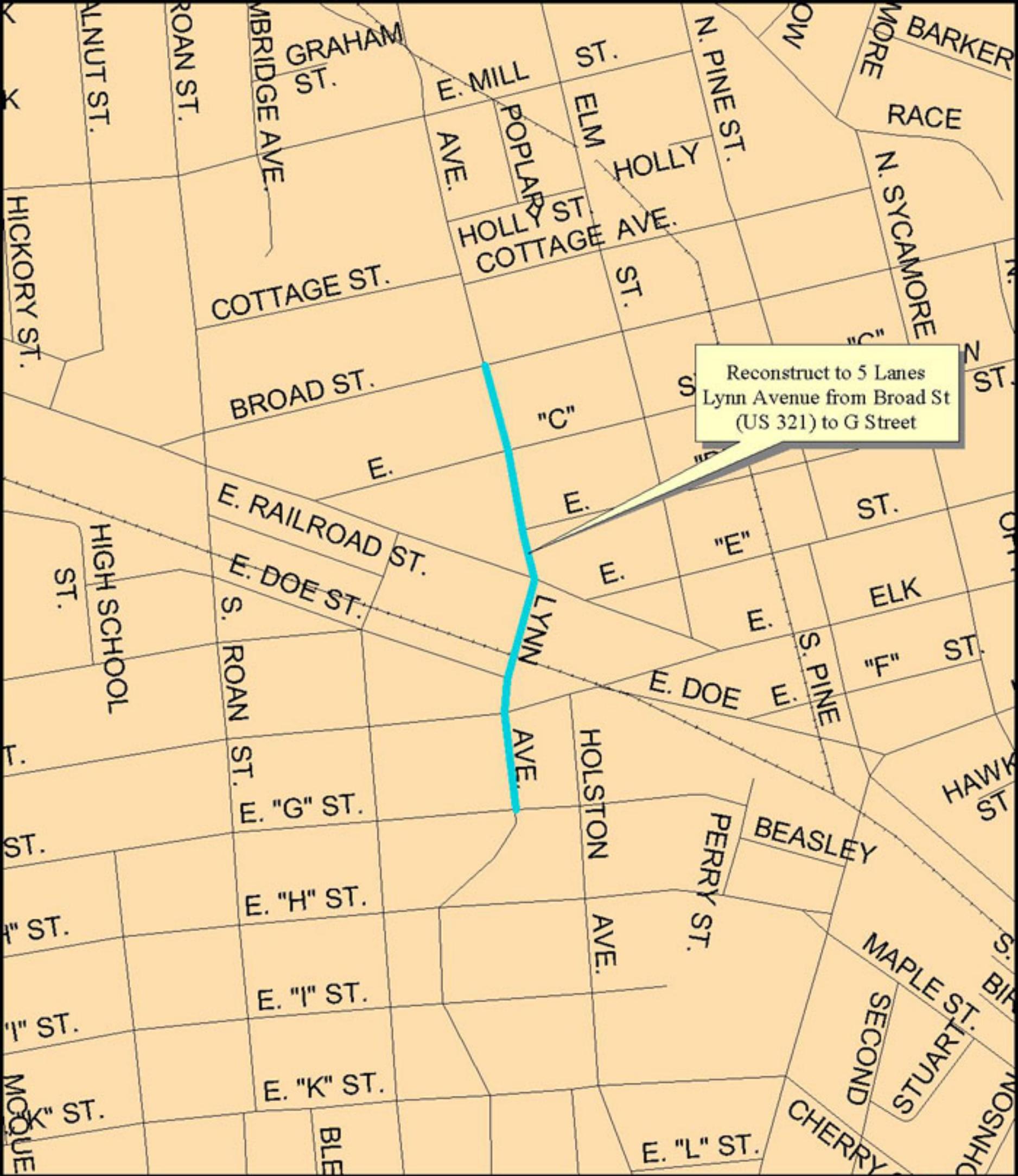
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Feet



**GEODECISIONS**  
© Division of Geomatics Planning  
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 Map by: Julie McCaff 12/3/02

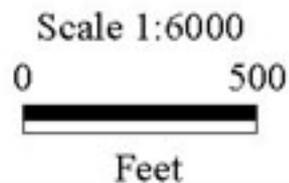


**Legend**

-  Lynn Avenue
-  Railroads
-  Elizabethton



# STP Local Projects - 3



**GEODECISIONS**  
Division of Geomatics  
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 Map by: Julie McCarr 12/3/02



State Route 381 Bikeway  
from ETSU to Market Street

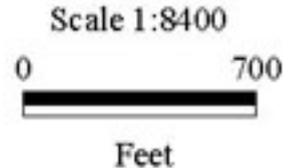
381

**Legend**

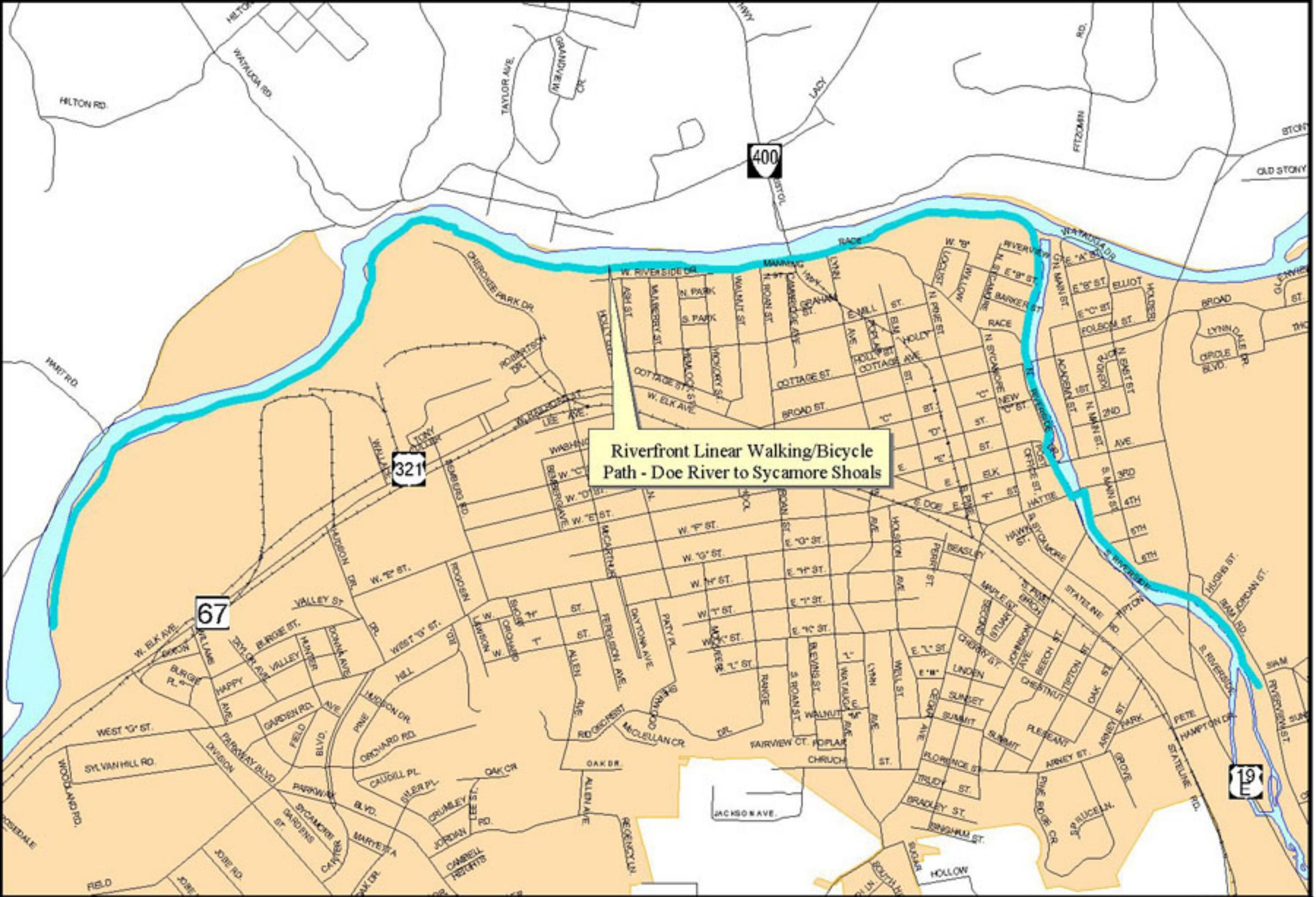
- State Route 381 Bikeway
- Railroads
- Johnson City



# STP Enhancement Projects - 1



**GEODECISIONS**  
Division of Geomatics - Fortran  
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 Map by: Julie McCafferty 12/10/02



**Legend**

- Walking/Bicycle Path
- River
- Railroads
- Elizabethton



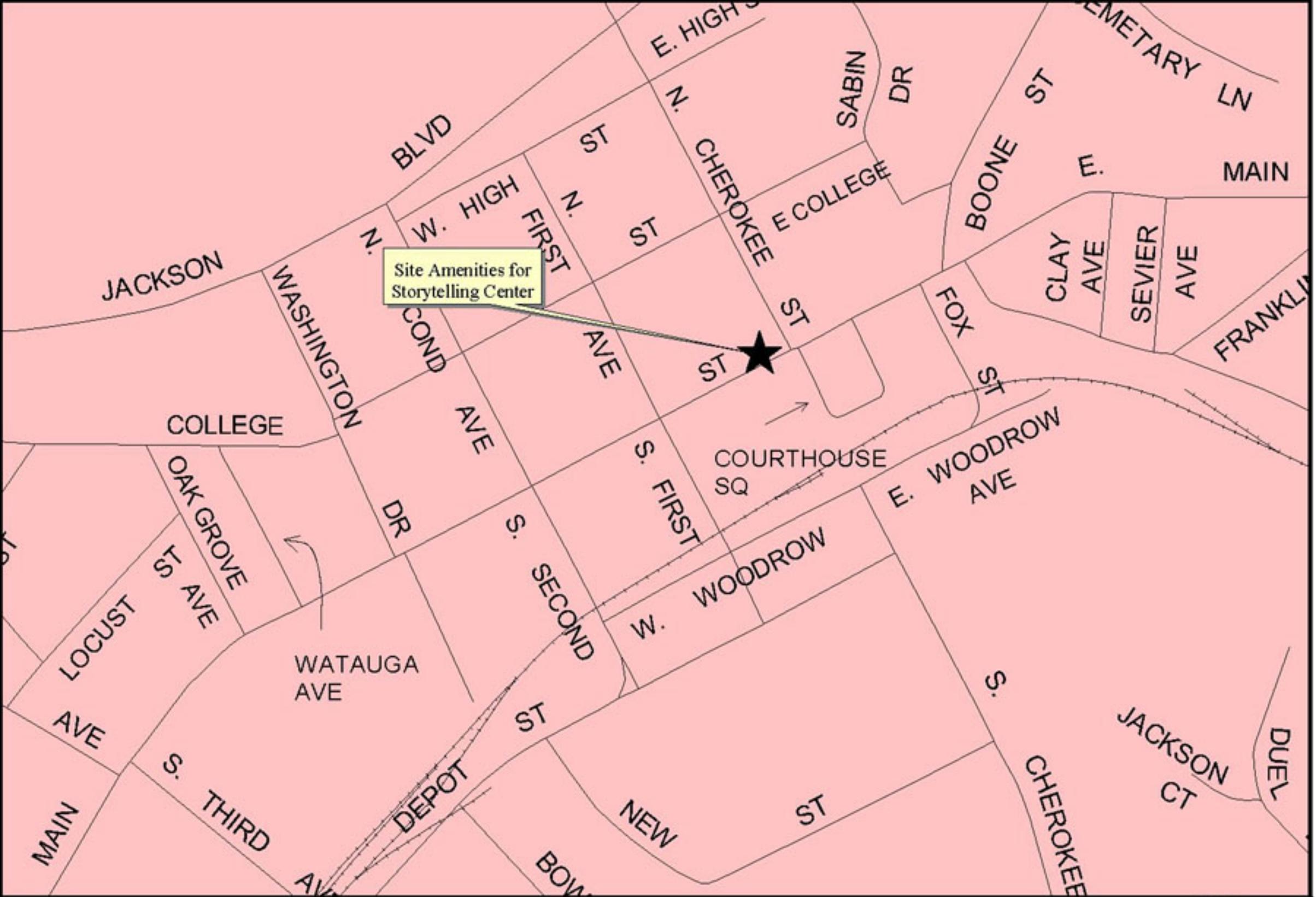
# STP Enhancement Projects - 2

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Feet

**GEODECISIONS**  
Division of Geomatics - Federal  
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 Map by: Julie McCafferty 12/10/02



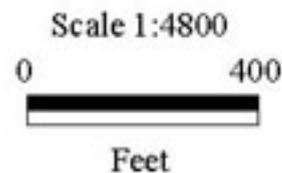
Site Amenities for  
Storytelling Center

**Legend**

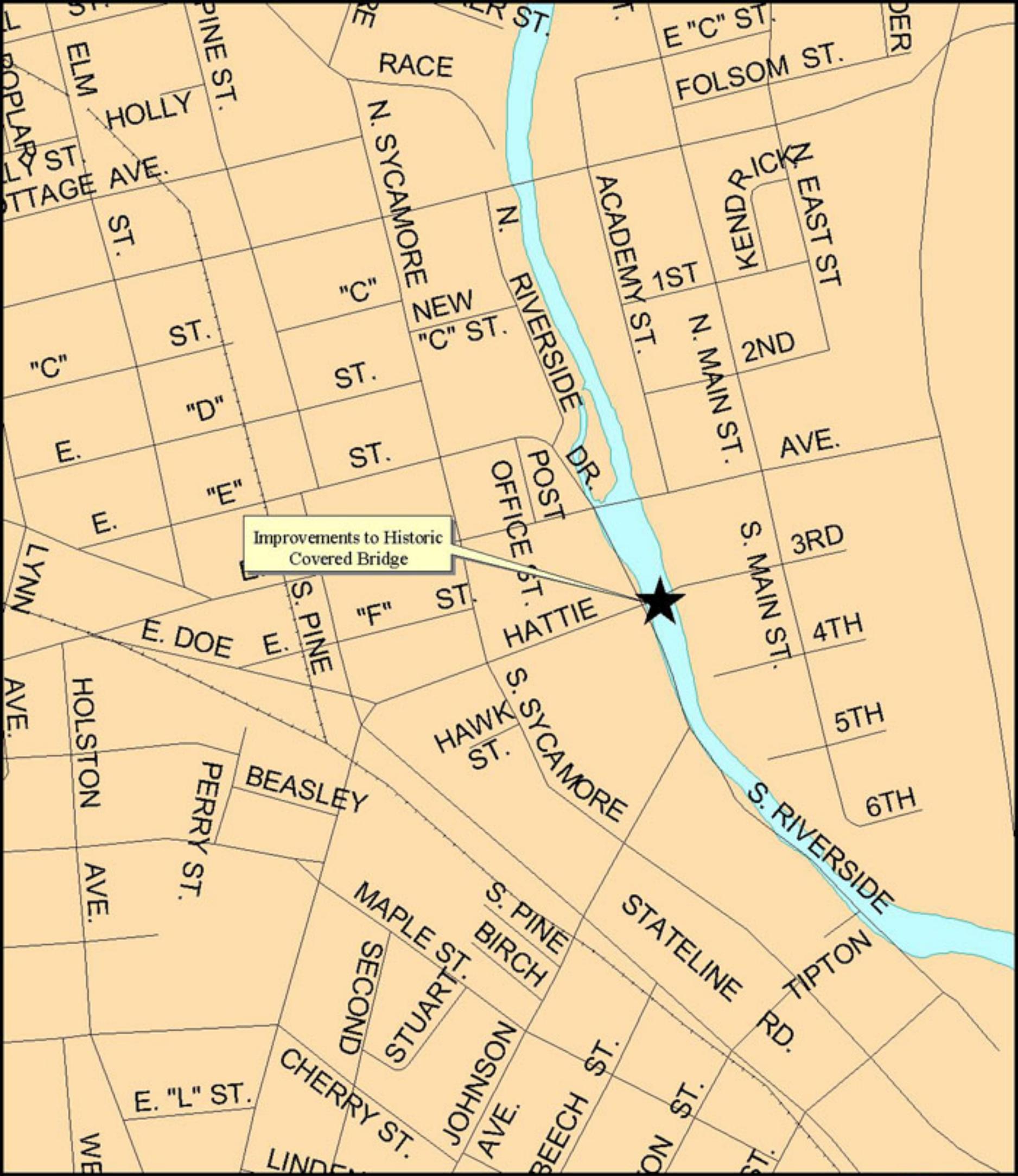
- ★ Storytelling Center
- ~ Railroads
- Jonesborough



# STP Enhancement Projects - 3



**GEODECISIONS**  
1 Dorset of Gannett-Fleming  
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 Map by: Julie McCurt 12/10/02



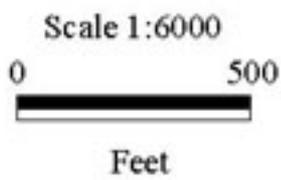
Improvements to Historic Covered Bridge

**Legend**

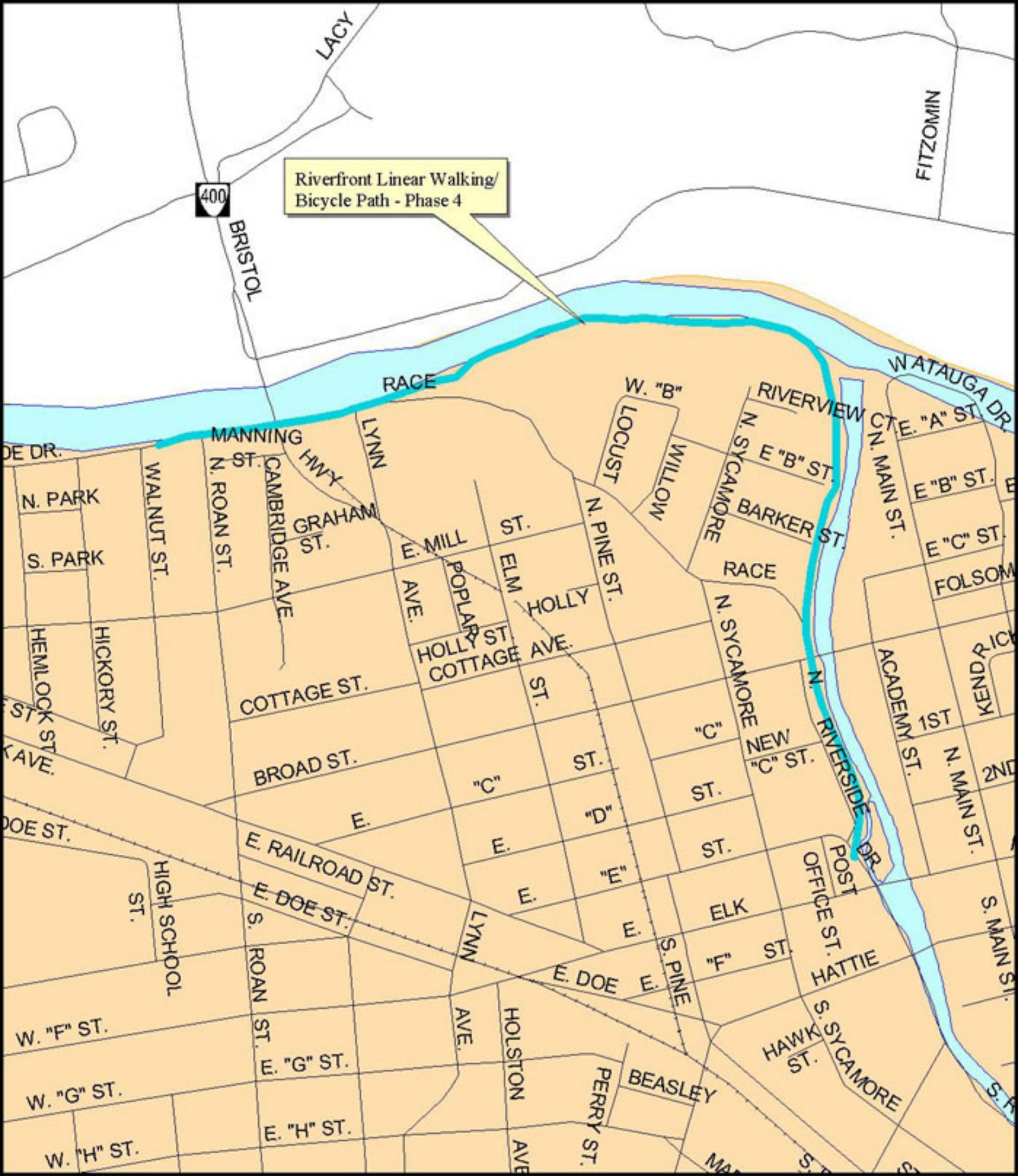
-  Historic Covered Bridge
-  Railroads
-  Elizabethton



# STP Enhancement Projects - 4




**GEODECISIONS**  
Division of Geomatics  
 c:\Data\jcmpl\tp.apr  
 Map by: Julie McCarr 12/3/02



Riverfront Linear Walking/  
Bicycle Path - Phase 4

**Legend**

- Walk/Bikeway Phase 4
- River
- Railroads
- Elizabethton



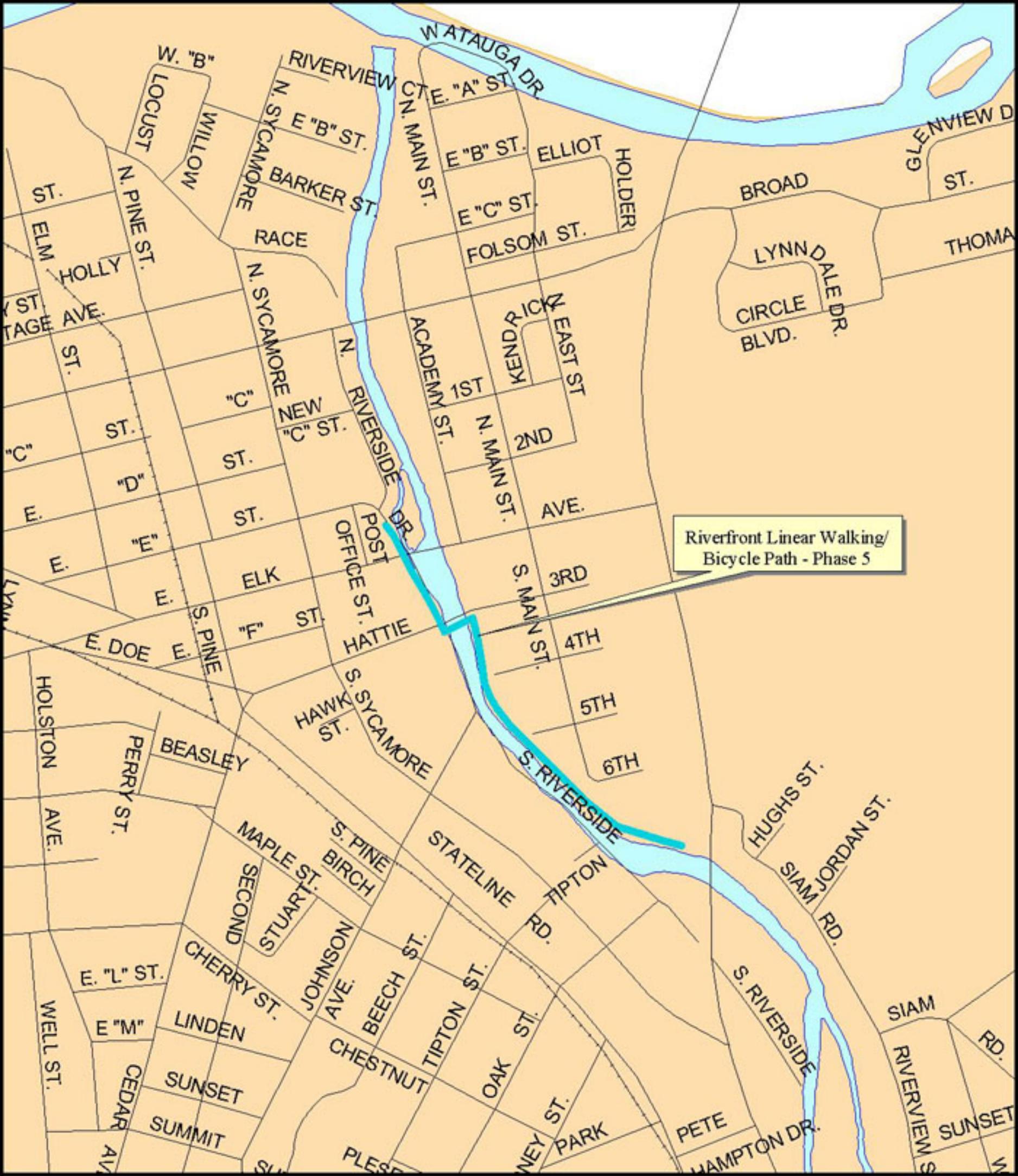
# STP Enhancement Projects - 5

Scale 1:8400

0 700

Feet

**GEODECISIONS**  
© Division of Growth Planning  
 c:\Data\jcm\stip.apr  
 Map by: Julie McCatt 12/10/02



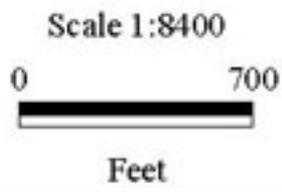
Riverfront Linear Walking/  
Bicycle Path - Phase 5

**Legend**

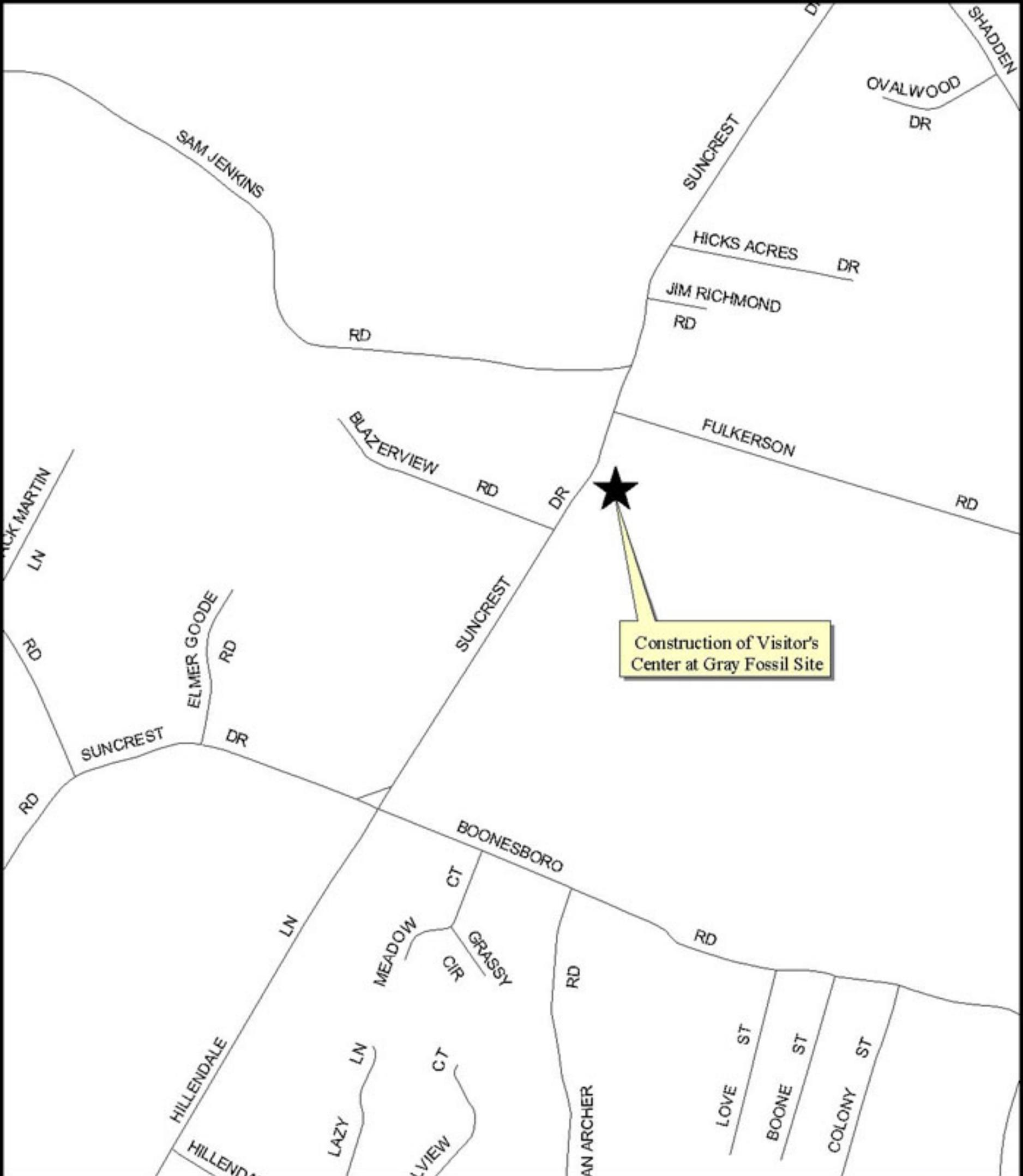
- Walk/Bikeway Phase 5
- River
- Railroads
- Elizabethton



# STP Enhancement Projects - 6



**GEODECISIONS**  
Division of Geomatics Planning  
 c:\Data\cmpt\stip.apr  
 Map by: Julie McCarr 12/10/02



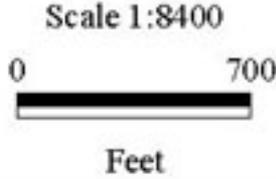
Construction of Visitor's Center at Gray Fossil Site

**Legend**

- ★ Gray Fossil Site
- Railroads
- Johnson City

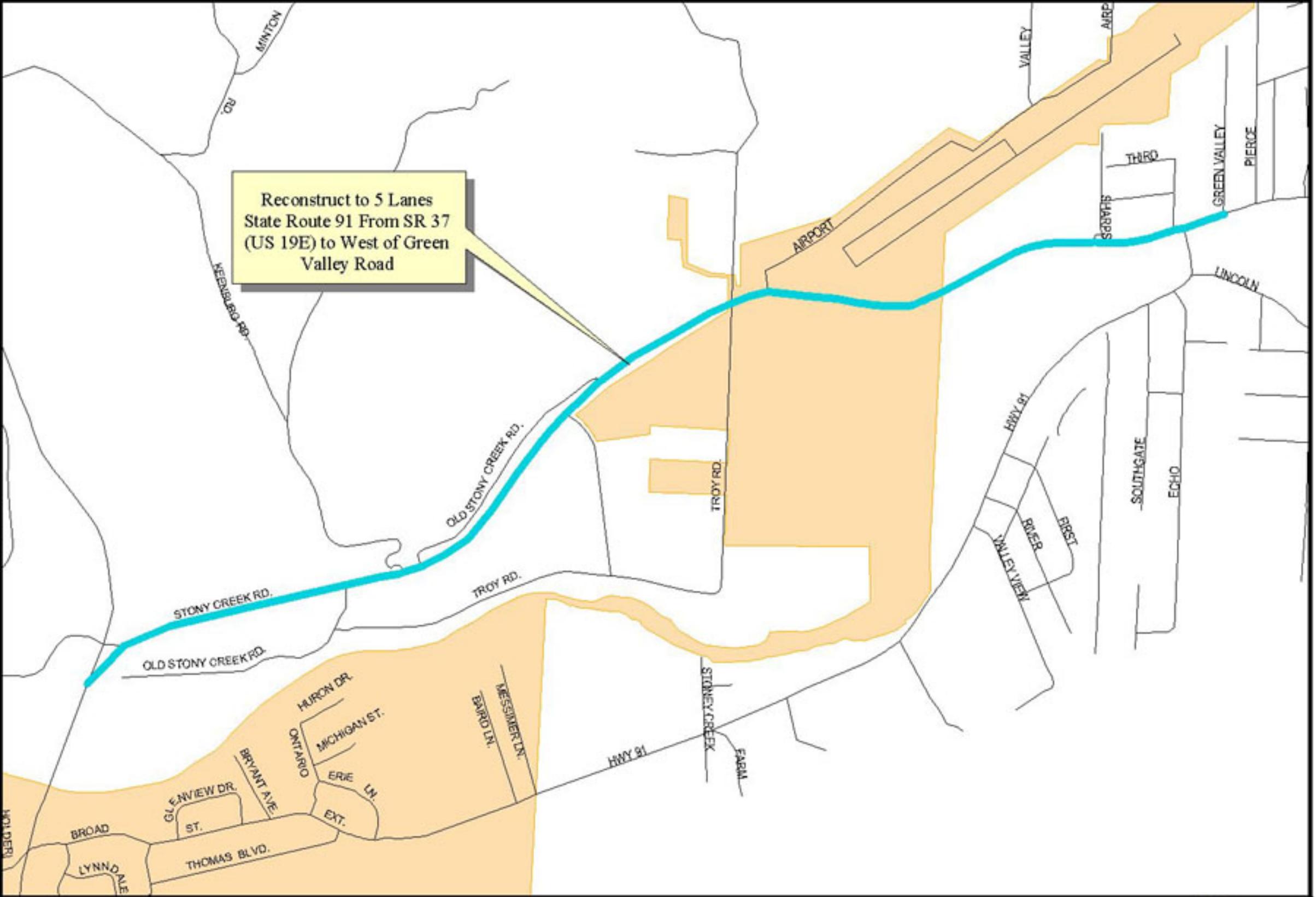


# STP Enhancement Projects - 7



**GEODECISIONS**  
A Division of Geometric Engineering  
 c:\Data\jcmplap.apr  
 Map by: Julie McCann 12/10/02

Reconstruct to 5 Lanes  
 State Route 91 From SR 37  
 (US 19E) to West of Green  
 Valley Road



**Legend**

- State Route 91 (Stoney Creek Rd)
- Railroads
- Elizabethton



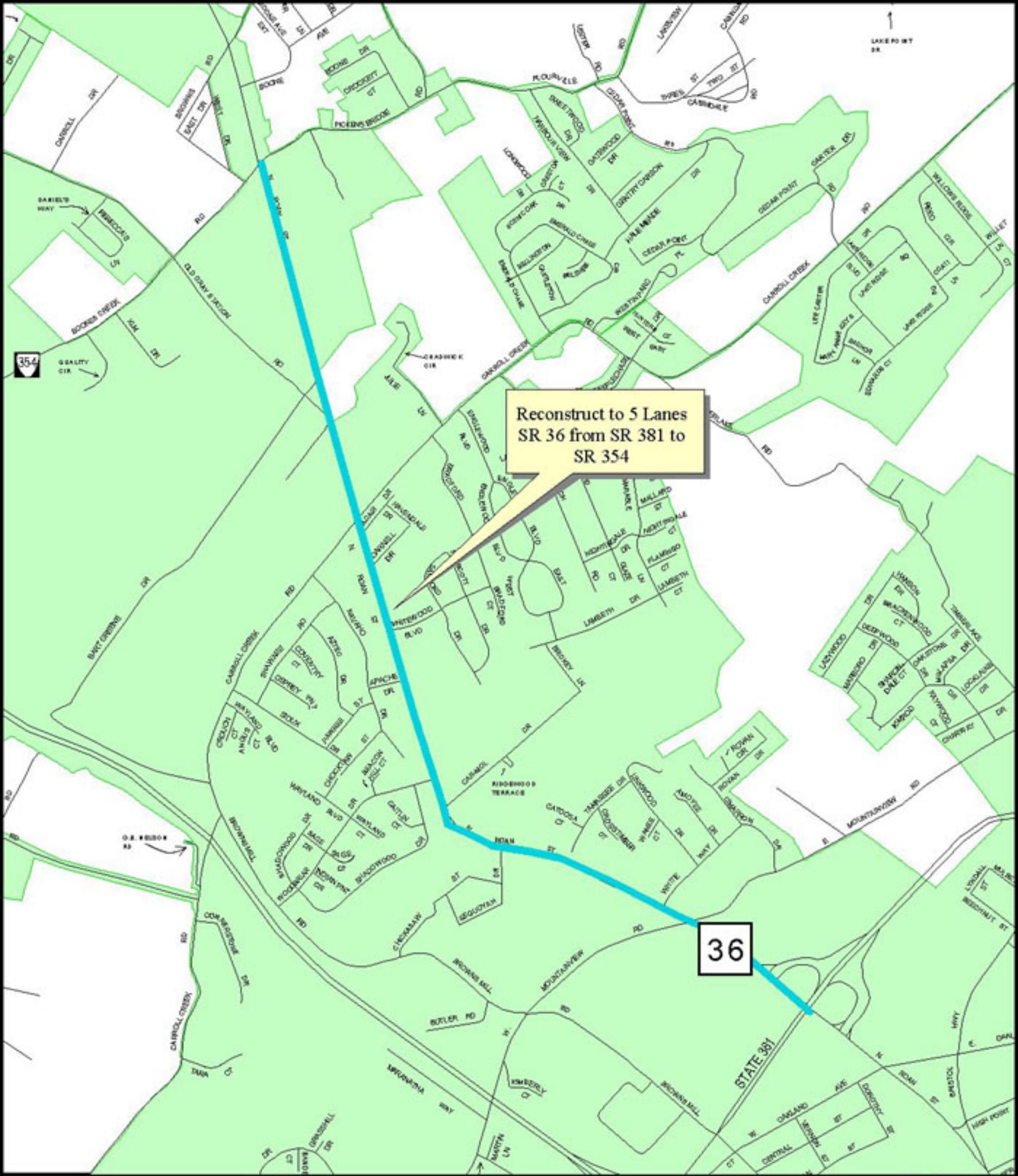
# State-Federal Highway Projects - 1

Scale 1:15,000

0 1250

Feet

**GEODECISIONS**  
 1 Division of Geomatics - Federal  
 c:\Data\jcmg\lbg.apx  
 Map by: Julie McCafferty 12/3/02



Reconstruct to 5 Lanes  
 SR 36 from SR 381 to  
 SR 354

36

**Legend**

- State Route 36
- Railroads
- Johnson City



# State-Federal Hwy Projects - 2

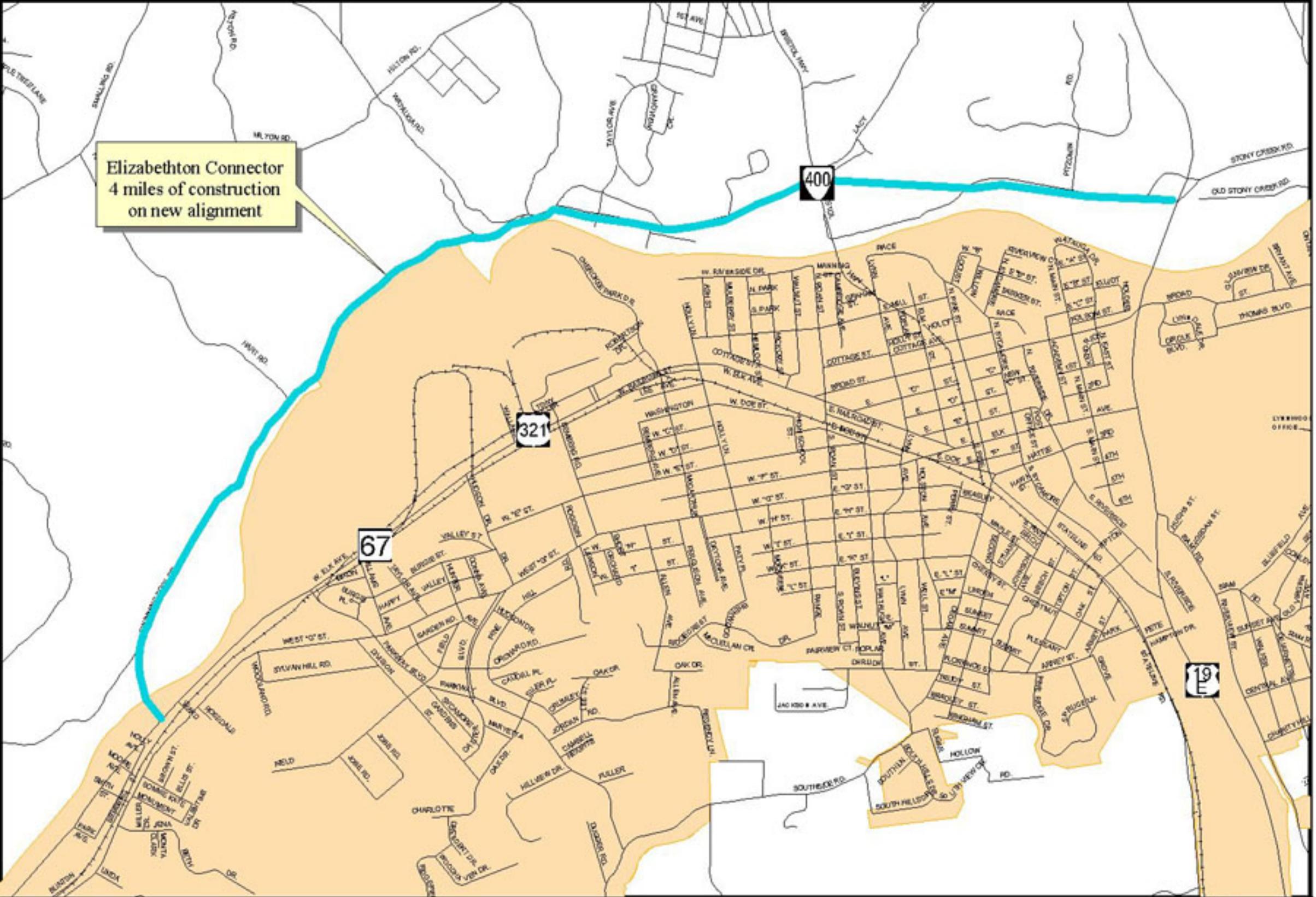
Scale 1:18,000

0 1500

Feet

**GEODECISIONS**  
 Division of Geomatics Engineering  
 c:\Data\jempol\sp.apr  
 Map by: Julie McCurt 12/3/02

Elizabethton Connector  
4 miles of construction  
on new alignment



**Legend**

- Elizabethton Connector
- Railroads
- Elizabethton



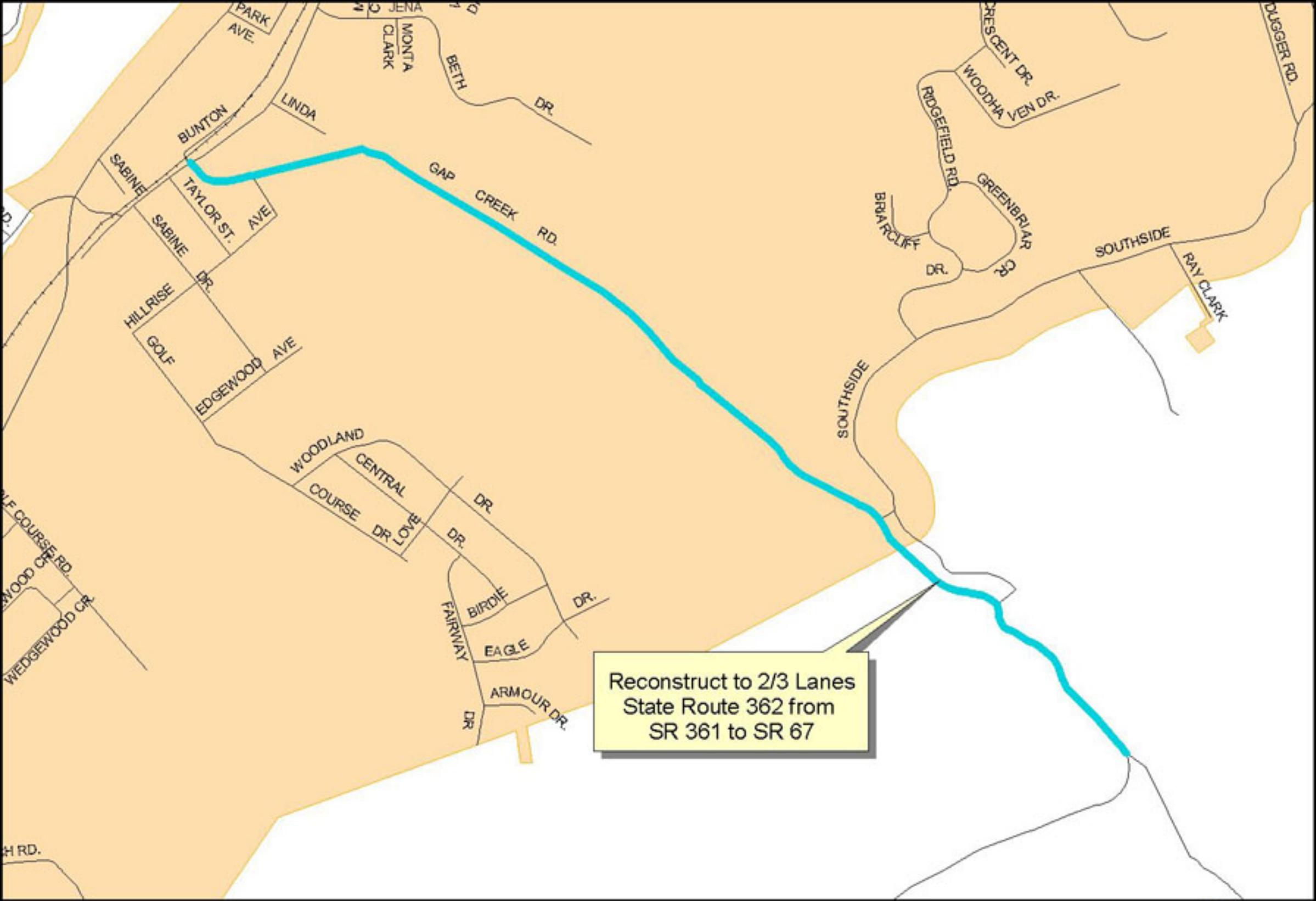
# State-Federal Highway Projects - 3

Scale - 1:24,000

0 2000

Feet

**GEODECISIONS**  
A Division of Geacnet - Ferretec  
 c:\Data\jcmg\p\bgp.apx  
 Map by: John McCafferty 12/3/02



**Legend**

-  State Route 362 (Gap Creek Rd)
-  Railroads
-  Elizabethton



# State-Federal Highway Projects - 4

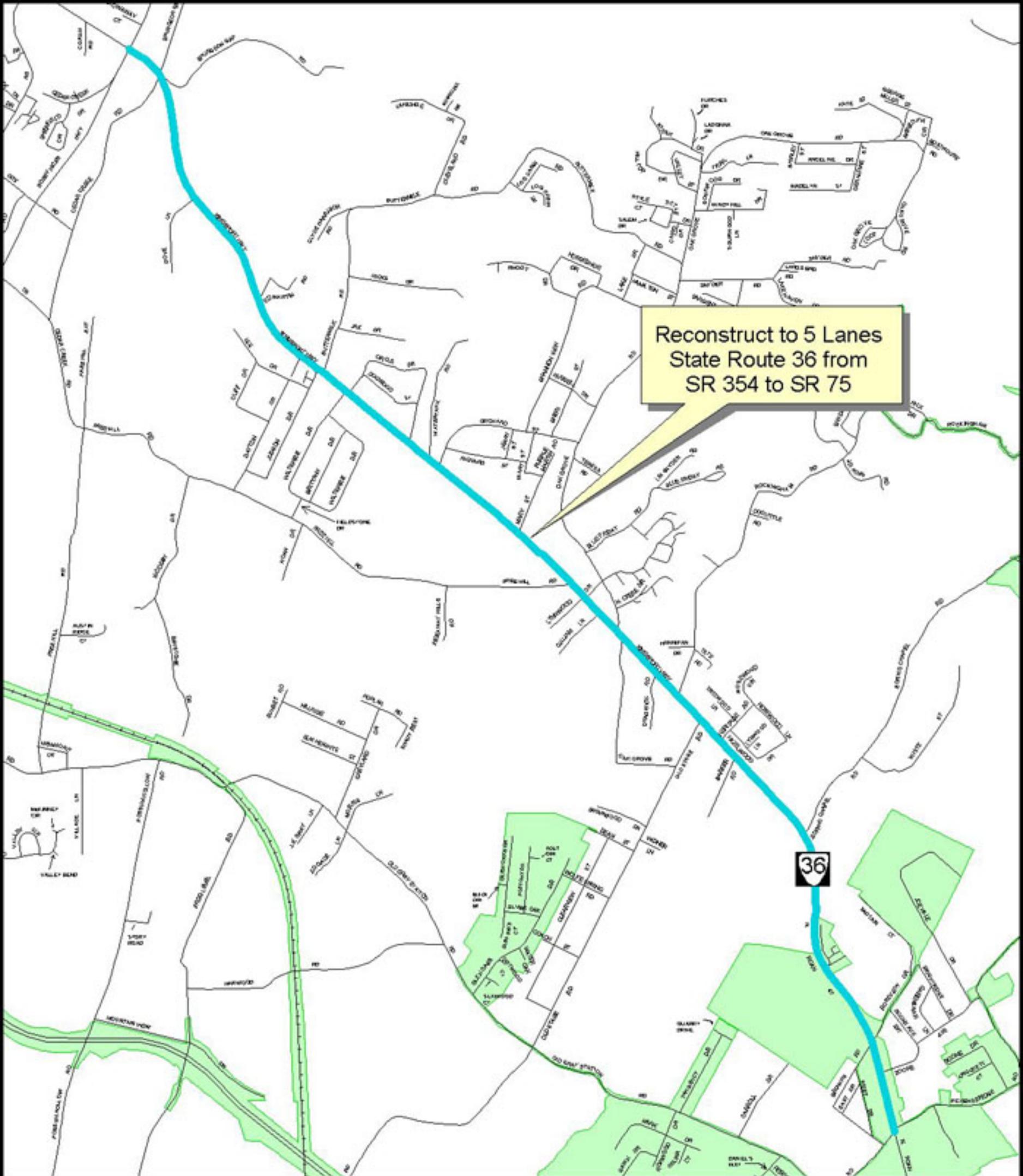
Scale 1:12,000

0 1000

Feet



**GEODECISIONS**  
1 Division of Geomatics, Ferris State University  
 c:\Data\jcmg\ltp\app  
 Map by: Julie McCafferty 12/3/02



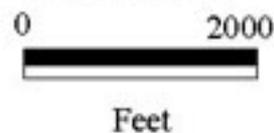
**Legend**

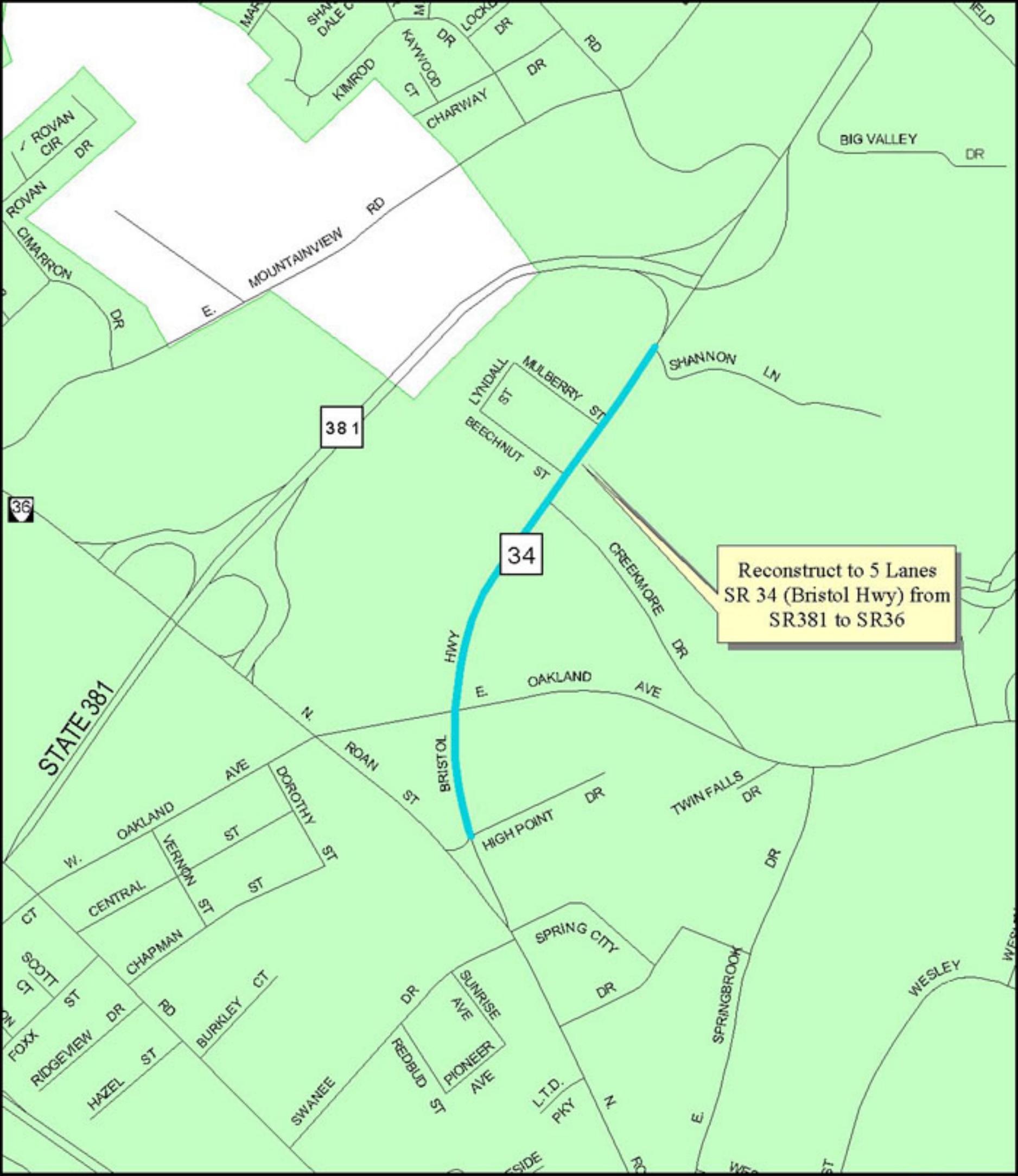
-  State Route 36
-  Railroads
-  Johnson City



# State-Federal Hwy Projects - 5

Scale 1:24,000





Reconstruct to 5 Lanes  
 SR 34 (Bristol Hwy) from  
 SR381 to SR36

**Legend**

-  State Route 34 (Bristol Highway)
-  Railroads
-  Johnson City



# State-Federal Hwy Projects - 6

Scale 1:9600

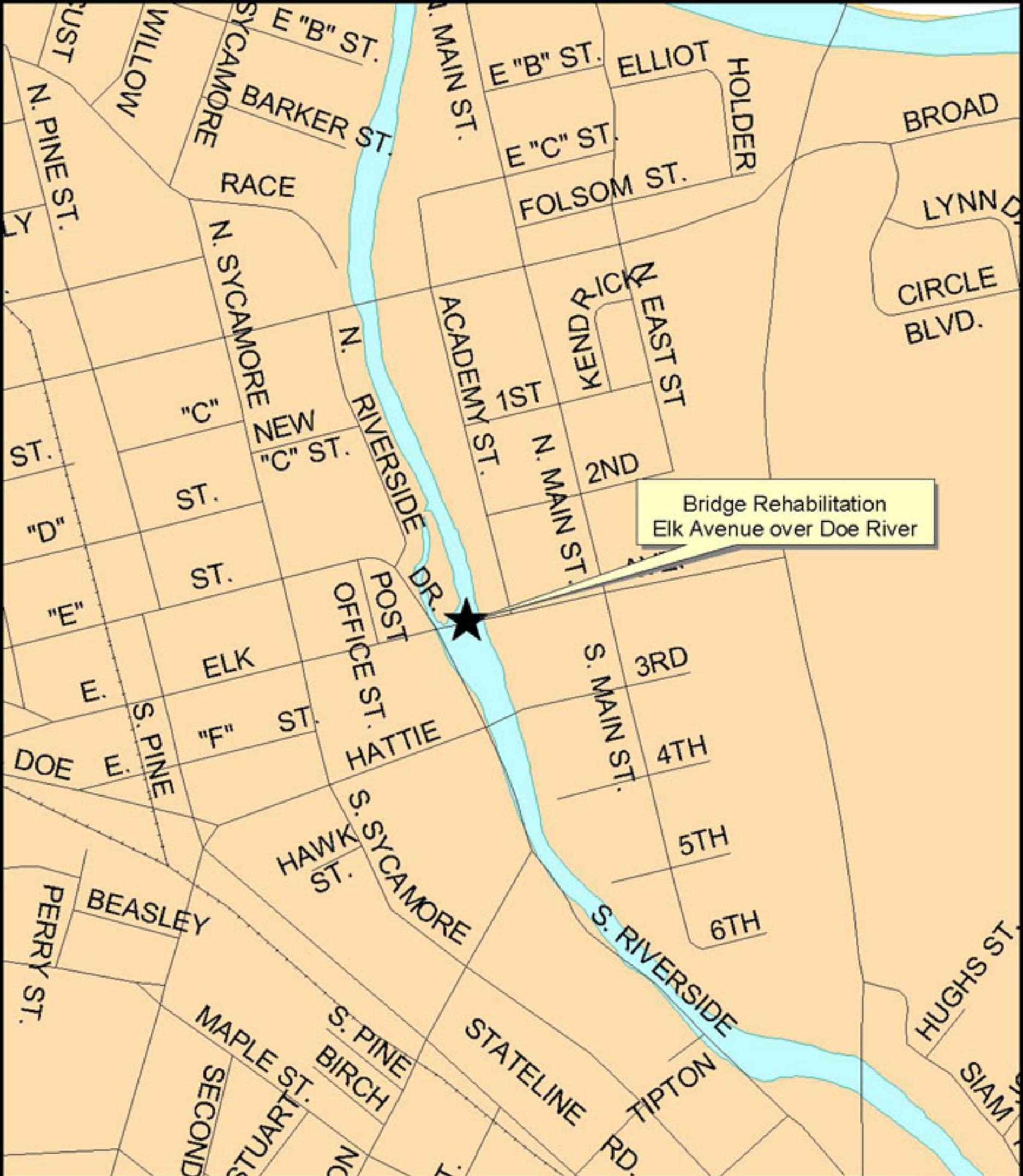
0 800

Feet



**GEODECISIONS**

R. Dwyer, c:\Gowatt\Planets  
 c:\Data\jcm\goltip.apr  
 Map by: Julie McCarth 12/3/02

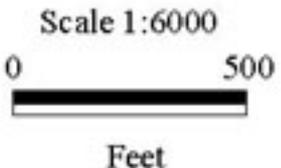


**Legend**

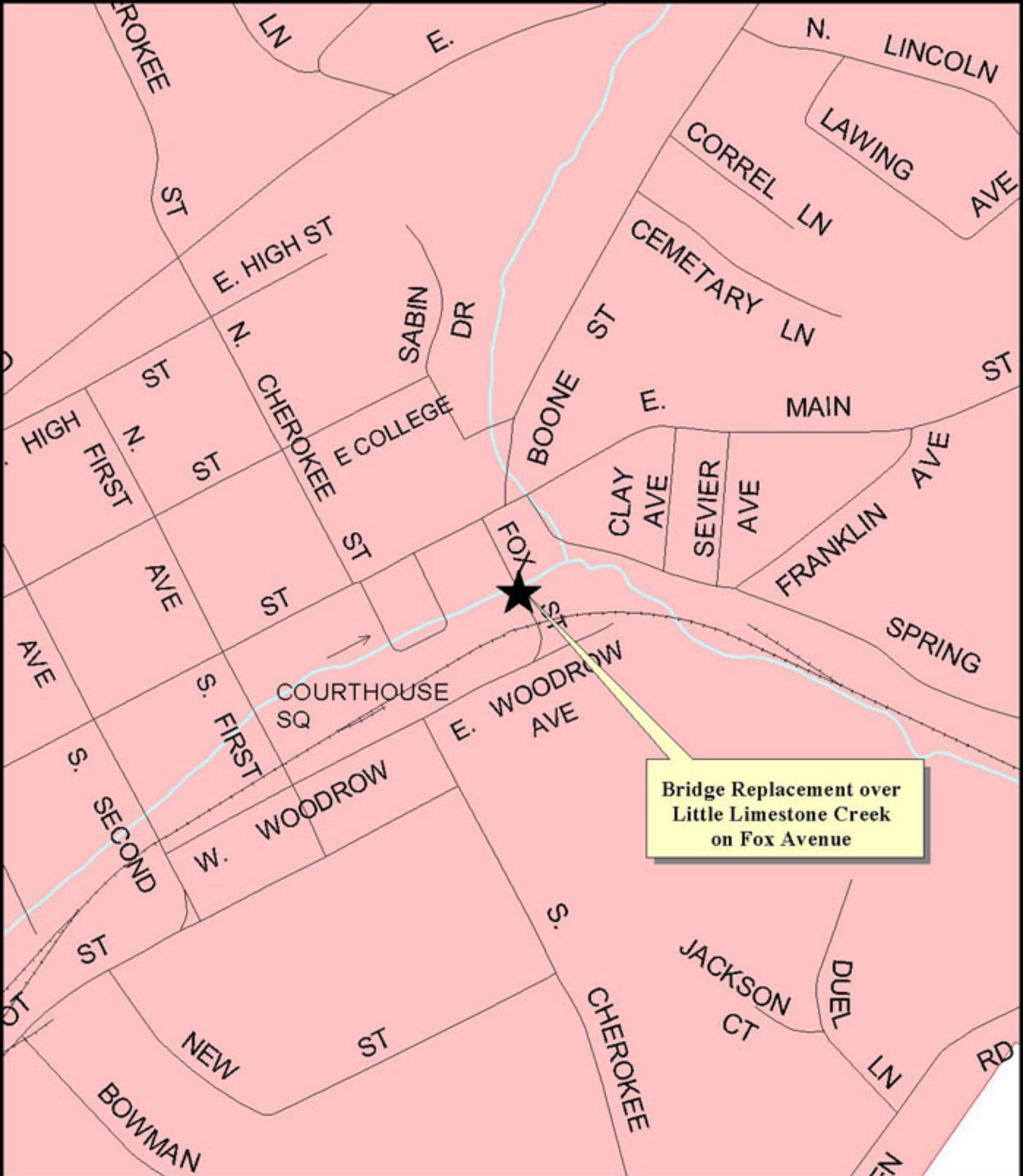
- ★ Elk Avenue Bridge
- ~ Railroads
- Elizabethton



# Bridge Improvement Projects - 1



**GEODECISIONS**  
 Division of Geomatics  
 c:\data\jcm\tp.apr  
 Map by: Julie McCarr 12/3/02



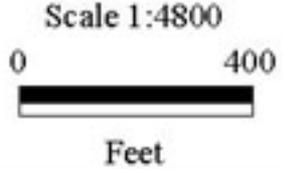
Bridge Replacement over  
Little Limestone Creek  
on Fox Avenue

**Legend**

- ★ Fox Avenue Bridge
- ~ Railroads
- Jonesborough



# Bridge Improvement Projects - 2

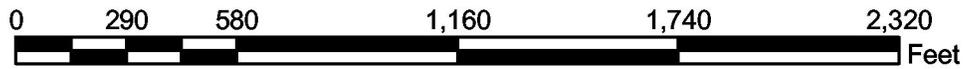


**GEODECISIONS**  
© Division of Geomatics Engineering  
 c:\data\jcmpl\tp.apr  
 Map by: Julie McCarr 12/3/02

# Knob Creek Road Tunnel Congressional Demonstration Project 6



# VA Access Road Congressional Demonstration Project 7



1:6,000



# **SECTION 2:**

# **Public Transportation**

<u>PROJECT CAPITAL</u>	<u>FISCAL YEAR 2004</u>				<u>FISCAL YEAR 2005</u>				<u>FISCAL YEAR 2006</u>			
	<u>TOTAL COST</u>	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL COST</u>	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTAL COST</u>	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>
Office Equipment and Furniture	0 <sup>1</sup>	0	0	0	4,000	3,200	400	400	4,000	3,200	400	400
Associated Capital & Maintenance Items	20,000 <sup>1</sup>	16,000	2,000	2,000	20,000	16,000	2,000	2,000	25,000	20,000	2,500	2,500
Misc. Support Equipment	22,500 <sup>1</sup>	18,000	2,250	2,250	10,000	8,000	1,000	1,000	7,500	6,000	750	750
Shop Equipment	0 <sup>1</sup>	0	0	0	4,000	3,200	400	400	2,000	1,600	200	200
Purchase/Installation Facilities for Passenger Safety, Comfort & Information	25,000 <sup>1</sup>	13,200	1,650	10,150	10,000	8,000	1,000	1,000	7,500	6,000	750	750
Farebox Equipment	3,500 <sup>1</sup>	2,800	350	350	3,000	2,400	300	300	3,000	2,400	300	300
Misc. Bus Station Equip.	30,000 <sup>1</sup>	24,000	3,000	3,000	17,300	13,840	1,730	1,730	20,000	16,000	2,000	2,000
Communication Equipment	10,000 <sup>1</sup>	8,000	1,000	1,000	5,000	4,000	500	500	4,000	3,200	400	400
Support Vehicle	25,000 <sup>1</sup>	20,000	2,500	2,500	0	0	0	0	22,300	17,840	2,230	2,230
ADP Hardware/Software	7,500 <sup>1</sup>	6,000	750	750	6,000	4,800	600	600	4,000	3,200	400	400
Paratransit Vehicles*	218,427 <sup>2</sup>	0	218,427	0	120,000 <sup>2</sup>	0	120,000	0	200,000 <sup>2</sup>	0	200,000	0
	100,000 <sup>3</sup>	80,000	20,000	0	45,000 <sup>3</sup>	36,000	4,500	4,500	0 <sup>3</sup>	0	0	0
Buses*	0	0	0	0	50,000 <sup>4</sup>	40,000	5,000	5,000	50,000 <sup>4</sup>	40,000	5,000	5,000
<b>SUBTOTAL</b>	<b>461,927</b>	<b>188,000</b>	<b>251,927</b>	<b>22,000</b>	<b>294,300</b>	<b>139,440</b>	<b>137,430</b>	<b>17,430</b>	<b>349,300</b>	<b>119,440</b>	<b>214,930</b>	<b>14,930</b>
<b>OPERATIONS</b>												
Regular - (Net)	1,121,066 <sup>1</sup>	560,533	224,213	336,320	1,087,734	543,867	217,547	326,320	1,087,734	543,867	217,547	326,320
Job Access	198,718 <sup>5</sup>	99,359	49,679	49,680	245,000	122,500	61,250	61,250	245,000	122,500	61,250	61,250
Preventive Maintenance	120,000 <sup>1</sup>	96,000	12,000	12,000	150,000	120,000	15,000	15,000	175,000	140,000	17,500	17,500
<b>TOTAL</b>	<b>1,901,711</b>	<b>943,892</b>	<b>537,819</b>	<b>420,000</b>	<b>1,777,034</b>	<b>925,807</b>	<b>431,227</b>	<b>420,000</b>	<b>1,857,034</b>	<b>925,807</b>	<b>511,227</b>	<b>420,000</b>

\*Project directly benefiting disabled persons

<sup>1</sup>Projects funded under Section 5307

<sup>2</sup>Project funded with TDOT operating assistance program (capital option). Project(s) Description: Fiscal Year 2004 - Two (2) medium-size light-duty buses; Fiscal Year 2005 - One (1) medium-size light-duty bus; Fiscal Year 2006 - One (1) medium-size light-duty bus and One (1) small light-duty bus

<sup>3</sup>Project funded under Section 5310. Project(s) Description: Fiscal Year 2004 - Two (2) small light duty buses; Fiscal Year 2005 - One(1) small light-duty bus

<sup>4</sup>Project funded under Section 5309. Project(s) Description: Fiscal Year 2005 - One(1) small light duty bus; Fiscal Year 2006 - One (1) small light-duty bus

<sup>5</sup>Project funded under Section 3037

JOHNSON CITY MTPO/JOHNSON CITY TRANSIT SYSTEM

	FY 2004			
<b>FTA PLANNING FUNDS</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>	<b>Total</b>
Section 5303	\$30,359	\$3,794	\$3,794	\$37,947
Section 5307	\$30,000	\$3,750	\$3,750	\$37,500

NOTE: The following table delineates funding sources for FY 2004TIP projects

PROJECT	SECTION 5307 *	SECTION 5303 *	TDOT OPERATING CAPITAL OPTION	SECTION 3037 *	SECTION 5310
Associated Capital Maintenance Items	\$20,000 (\$16,000)				
Misc. Support Equipment	\$22,500 (\$18,000)				
Purch./Install Fac. for Pass. Safety, Coml Convenience	\$25,000 (\$13,200)				
Farebox Equipment	\$3,500 (\$2,800)				
Communication Equipment	\$10,000 (\$8,000)				
Support Vehicle	\$25,000 (\$20,000)				
Misc, bus station equipment	\$30,000 (\$24,000)				
ADP Hardware/Software	\$7,500 (\$6,000)				
Paratransit Vehicles			\$218,427		\$100,000 (\$80,000)
Preventive Maintenance	\$120,000 (\$96,000)				
Buses					
Operating (regular)	\$1,121,066 (\$560,533)				
Planning	\$37,500 (\$30,000)	\$37,947 (\$30,359)			
Job Access Small Urban Project				\$198,718 (\$99,359)	

\* Total expenditures are presented with federal dollar amount in parentheses

**SECTION 3:**  
**Comments and Explanatory**  
**Notes**

**Johnson City MPO TIP FY 2003-06**  
**(As amended on 8-13-03 as an update the 2002-2005 TIP)**

**Public Comment Periods and Outreach**

The advertised Public Comment Period for the FY 2002-2005 Transportation Improvement Program for the Johnson City Urbanized Area was from September 5 through September 25, 2002 via advertising in the Johnson City Press and web notifications via the Johnson City MPO website at the address: <http://www.jcmpo.org>. The Johnson City MPO posts the TIP and the Long Range Transportation Plan on the web and encourages and accepts public comments throughout the year on a continual basis. The MPO Board and Staff recognize public participation as an ongoing process and comments are recognized regardless of advertised comment periods. Copies of the TIP and the Long Range Plan are made available in the Documents Section of the Johnson City Public Library along with public comment forms.

During the comment period, no official comments were made on any active projects in the Transportation Improvement Program. However, concerns were expressed during the Long Range Transportation Plan Update in 2001 and subsequent to adoption of the Johnson City MPO FY 2002 -05 TIP regarding noise concerns along the I-181 (Present I-26 Corridor) through Johnson City (Listed on the TIP Illustrative List of Future Needs). A petition was received by the MPO from concerned citizens and phone follow up actions were taken to assure residents that the MPO was concerned with this issue and had referenced it in the development of the Long Range Transportation Plan. In addition, Johnson City Manager, Michael West (Chairman of the MPO Executive Staff) has formed a committee comprised of staff from the Johnson City Regional Planning Commission, Johnson City MPO, and Johnson City Public Works Departments to address a variety of issues including noise abatement along the I-26 Corridor.

For the MPO amendments adopted by the MPO Board in August 2003, a second public comment period was advertised during the entire month of August with no comments received during the advertised period. The amended projects were selected by Congress and had previously been listed on the "Illustrative List of Future Needs" in the TIP.

## **Project Selection Process**

The Johnson City MPO Board and Staff adopted the regional Long Range Transportation Plan (LRTP) in September 2001. The LRTP is the master document governing the transportation planning process and the Transportation Improvement Program must be consistent with the Long Range Transportation Plan for the region. The Long Range Transportation Plan includes a variety of transportation modes including highways, public transportation, and non-motorized improvements. One of the critical TEA-21 factors for consideration is *Financial Constraint* which mandates that plans and processes do not become a “wish list” that resources may not be available to support. The projects are ranked by program category as part of the TIP development process with the local governments and projects selected for STP funding must be within the capacity of local matching availability of the local governments as well as within scale of available funding.

In addition to rankings, additional analyses and studies may be required to evaluate feasibility as well as refinement of project alternatives in the Plan. Projects for which funding sources are unidentified may be placed on the “Illustrative List” for future consideration as an active project in the TIP. Due to the limited availability of resources for MPO regions under 200,000, with regard to STP and other federal/state funding, it is imperative that projects be monitored on a continual basis in the event of overruns and unanticipated costs. Limits on local government matching sources pose additional concerns that must be addressed during local budget processes and in the development of the TIP. These issues are constantly evaluated by the MPO Executive Staff to guide realistic project development in the TIP. Project estimates are not available for all projects listed on the Illustrative List but are included where considered current and considered valid. Projects involving the Interstate 26 Corridor will require more detailed engineering study to derive adequate cost estimates.

Major state highway projects are included in the Transportation Improvement Program and are selected for funding by the Tennessee General Assembly upon inclusion in the approved budget each year. The projects are budgeted by phase and generally follow the sequence of design, right-of-way and construction funding in sequential years. These projects must also be derived from the Long Range Transportation Plan and approved by the MPO Board and Staff as part of the annual MPO process.

### **Disposition of Projects in Previous TIP**

A new feature in the FY 2002-2005 TIP is a category of “Projects Let and Awaiting Final Voucher” These include:

<b>STP Local Projects</b>	<b>TDOT Project Number</b>
Phase II Signal Improvements (Elizabethton)	STP-M-NHE-9103(3)
SR 67 at Bemberg Signalization (Elizabethton)	STP-M-NHE-67(15)
Phase III Signal Improvements (Elizabethton)	STP-M-NHE-9103(7)
Signalization at U.S. 11E/Headtown Road Intersection in Jonesborough	STP-M-NHE-34(35)

These projects reflect projects in the final stages of completion that once all invoices and financial obligations are met, they will be removed from subsequent TIP listings.

### **Funding Availability of Regional STP Allocation**

With the inclusion of STP Local Projects 2 and 3, the remaining STP balance for the Johnson City Urbanized Area is estimated at approximately \$350,000 through the TEA-21 authorization ending 9-30-03 and this balance is being maintained as a contingency for Projects Awaiting Closeout and other active TIP projects. Experience has shown that signalization projects involving ITS and other advanced communications features may require some supplemental adjustments after contract letting due to unanticipated situations as work is underway and the need to establish linkages to the Traffic Management Centers.

### **Operations and Management of the Existing Transportation System**

Both the Cities of Johnson City and Elizabethton have programmed operating and maintenance costs of traffic signal systems developed under the STP program in their local general fund budgets. Both cities have also established “Traffic Management

Centers” to oversee traffic and related management systems functions. The updated Long Range Transportation Plan includes the future programming of STP funds to include reasonable operating costs for computer and other electronic systems necessary to ensure that traffic monitoring, management, and control facilities or programs provide their intended functions. This programming must be consistent with the FHWA directive titled “Guidance on Federal-Aid Eligibility of Operating Cost for Transportation Management Systems dated January 3, 2000. The ITS Regional Architecture is in the process of being revised to use the Turbo Architecture program and the regional operations component will be strengthened during this update.

The approved budget for the Johnson City Transit System included in the TIP has an operations component with a blend of local, state, and federal resources. This is updated on an annual basis and maintaining local general fund support for transit operations has been a priority since the Transit System initiated operations in 1979.