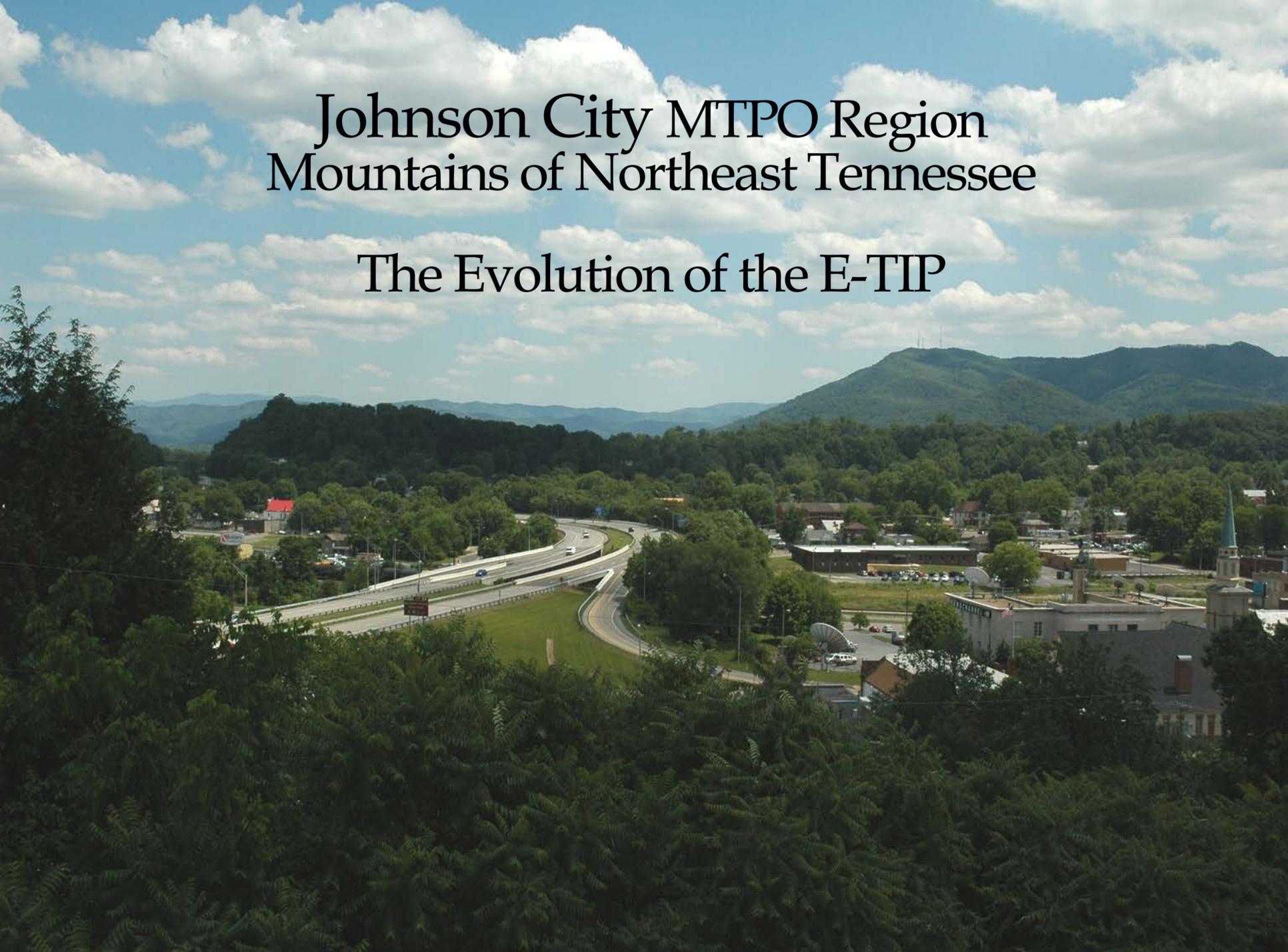


Johnson City MTPO Region Mountains of Northeast Tennessee

The Evolution of the E-TIP

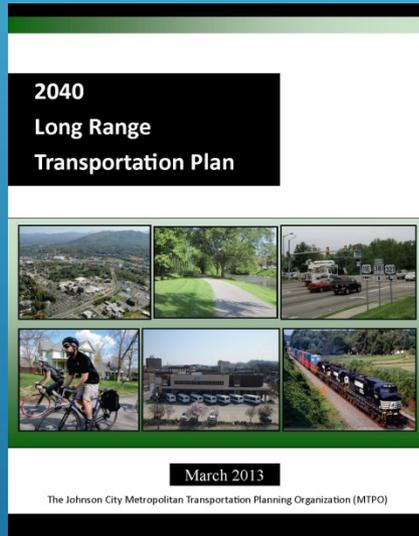




Call for TIP projects. Be sure to fill out the blank TIP sheet...
(in my mind)

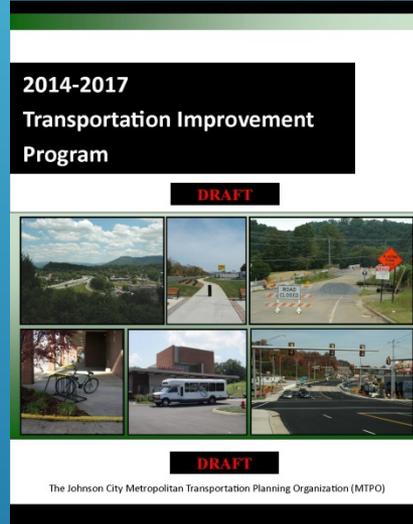
WHAT DOES THIS HAVE TO DO WITH THE E-TIP?

Long Range Transportation Plan



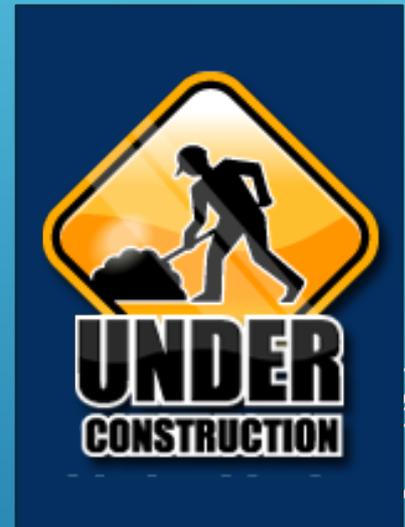
5 year cycle
Requires Executive Board Approval

Transportation Improvement Program



4 year cycle
Requires Executive Board Approval

Project Implementation



Managed by State
Or Local Jurisdiction
On - Going



Veterans

ETSU

Shopping

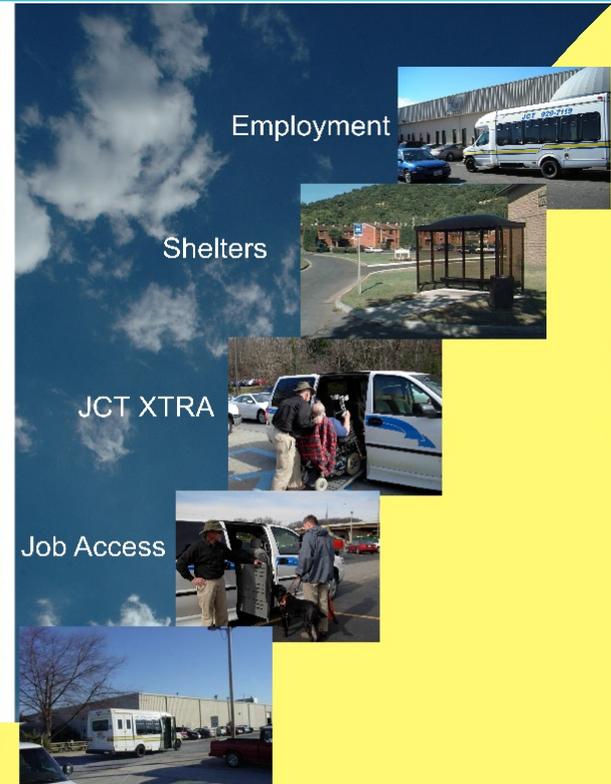
Medical



JCT

"We're Serving You Every Step of the Way"

Johnson City Transit



Employment

Shelters

JCT XTRA

Job Access

Dependable transportation for everyone

<http://www.johnsoncitytransit.org>

EXIT 13 @ I-26 (GRAY EXIT)



Bid: \$13,258,952.72

SR 34 Improvements



State Route 34
From: SR 36 to SR 381
Construction Cost: \$6,987,009.25

What does the gas tax fund?

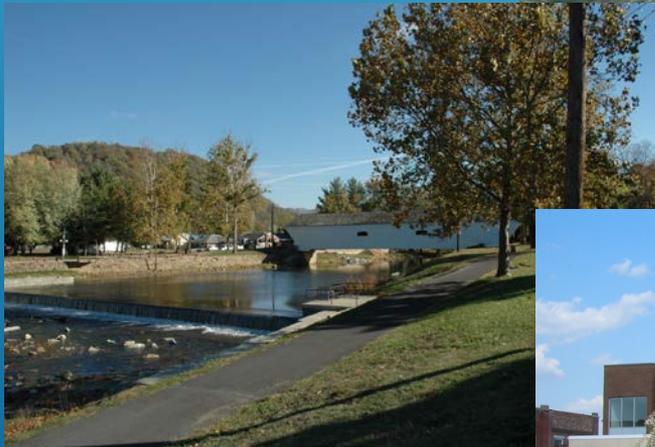
HELP Truck Program



Bridges



Interstate System



Gray Fossil Site

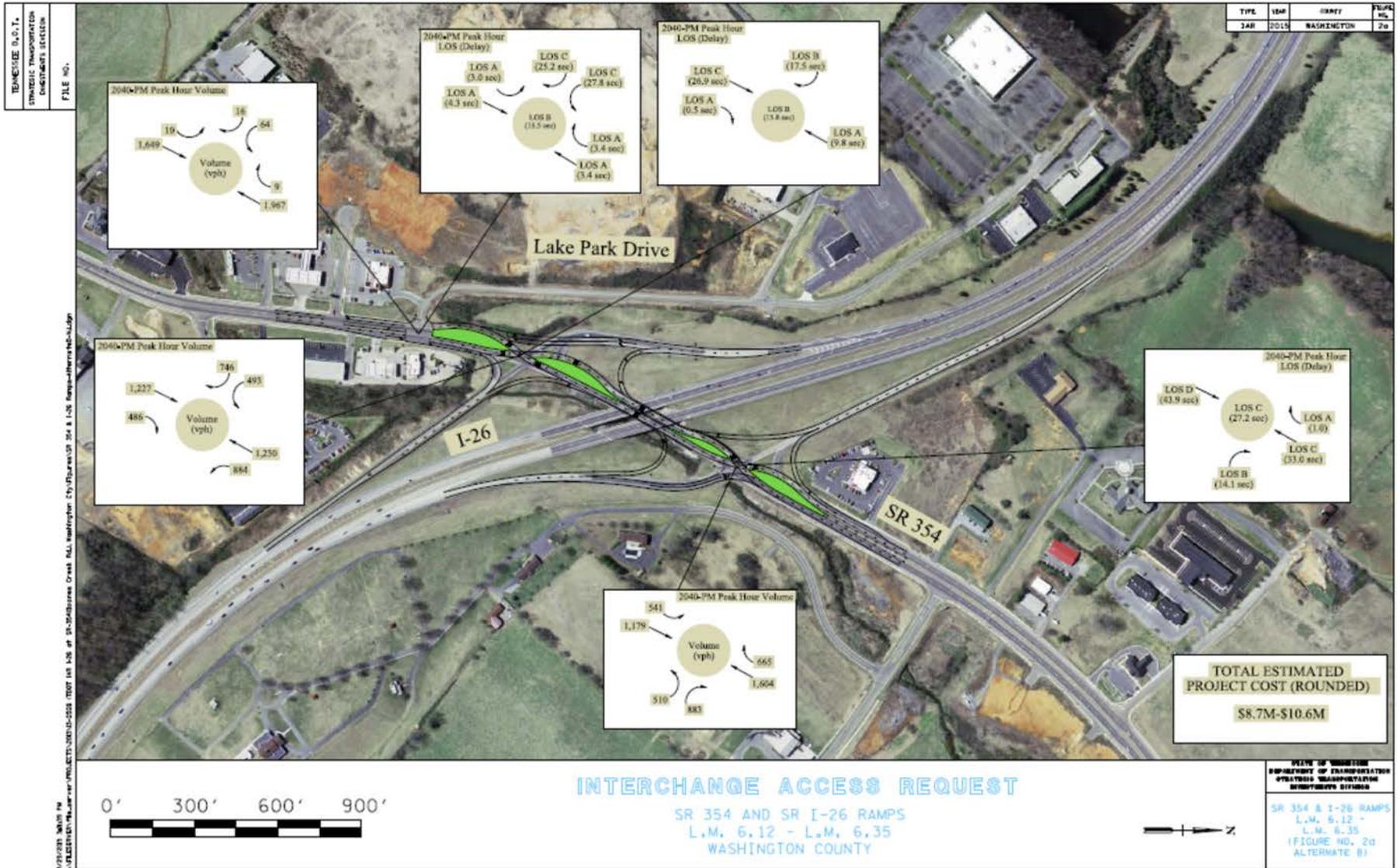


Transit

Bicycle /Pedestrian Trails

I26 – EXIT 17

- ▶ Divergent Diamond
- ▶ At Exit 17 (Boones Creek Rd.)



IT BEGAN WAY BACK WHEN...



**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
STP LOCAL PROJECTS											
1	JC	STP - LOCAL	SIGNALIZATION AT VARIOUS INTERSECTIONS	SIGNALIZATION AND TRAFFIC MANAGEMENT	ROW/ CON	Engineering Underway	FHWA 900.0 TDOT 00.0 LOCAL 00.0 TOTAL 900.0				FHWA 900.0 TDOT 00.0 LOCAL 00.0 TOTAL 900.0
<i>L RTP#</i> 7		STP-M- NHE- 9107(15)	NORTH STATE OF FRANKLIN ROAD (SR 381) CORRIDOR	SYSTEM INCLUDING SIGNAL UPGRADES, NEW SIGNALS AND FIBER OPTICS							
2	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 0.0 TOTAL 300.0	Note: Subsequent Phases of Project to be with STP State Funding			FHWA 240.0 TDOT 60.0 LOCAL 0.0 TOTAL 300.0
<i>L RTP#</i> 9											
3	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 10.2 TOTAL 51.0				
<i>L RTP#</i> 15											
					ROW			FHWA 260.0 TDOT 0.0 LOCAL 65.0 TOTAL 325.0			
					CON				FHWA 592.0 TDOT 0.0 LOCAL 148.0 TOTAL 740.0		FHWA 892.8 TDOT 0.0 LOCAL 223.2 TOTAL 1,116.0
			STP LOCAL PROJECT TOTALS								FHWA 1,132.8 TDOT 60.0 LOCAL 223.2 TOTAL 1,416.0
Projects Completed and Awaiting Final Voucher (STP – Local)											
	EL	STP - LOCAL	PHASE II SIGNAL IMPROVEMENTS	SIGNALIZATION	ALL						
		STP-M- NHE-	AT VARIOUS INTERSECTIONS								

From 1980s to 2003 this was the TIP. A simple spreadsheet but it worked.

Change in format In 2005 TIP Project Sheets

“Stick Figure” Maps

But lost math...

51,000
325,000
+ 740,000

1,416,000

1,116,000

Johnson City Metropolitan Planning Organization Transportation Improvement Program Surface Transportation Program – Local (STP-Local)

PROJECT	CITY	COUNTY
Lynn Avenue	Elizabethton	Carter

ID NUMBER	PROJECT SPONSOR	IMPLEMENTING AGENCY
2006-03	Elizabethton	State

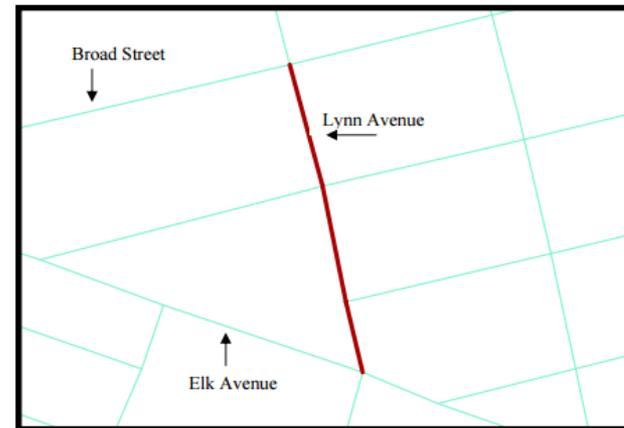
DESCRIPTION
Lynn Avenue from Broad Street (US 3321) to East Elk Avenue

TYPE OF IMPROVEMENT
Widening to 5 lanes, length of .33 miles

Estimated Cost	PE	\$51,000	Schedule	PE	2005
	ROW	\$325,000		ROW	2006
	CN	\$740,000		CN	2006
	Total	\$1,416,000			

Fiscal Year	Type of Work	Funding	Total	Federal	State	Local
2006	ROW	STP-Local	\$325,000	\$260,000		\$65,000
2006	CN	STP-Local	\$740,000	\$592,000		\$148,000
2007						
2008						

Notes: earliest letting date December 2006, previous TIP project, LRTP # 15



TIP #	2007-02	TDOT PIN#	1000949	PRIORITY	High	LEAD AGENCY	TDOT	
COUNTY/CITY	Washington/Johnson		LENGTH	2.1mi	LRTP#	E+C;18	CONFORMITY	Attainment
PROJECT NAME	SR 36		TOTAL PROJECT COST	\$22,900,000				
TERMINI OR INTERSECTION	North of SR-381 to South of SR-354							
PROJECT DESCRIPTION	Widen to 5 lanes							

FISCAL YEAR	TYPE OF WORK	FUNDING TYPE	TOTAL FUNDS	FED FUNDS	STATE FUNDS	LOCAL FUNDS
2008	ROW(ADD)	STP-S	\$1,200,000	\$960,000	\$ 240,000	
2008	CN(ADD)	STP-S	\$900,000	\$720,000	\$ 180,000	

AMENDMENT #		ADJUSTMENT #		REMARKS	
-------------	--	--------------	--	---------	--

Location Map



2008-2011 TIP

Better Maps

But still no math...

2011-2014 TIP

See the pretty Pictures!

TIP #	2008-05	TDOT PIN#	111351.00	PRIORITY	High	LEAD AGENCY	Johnson City	
COUNTY/CITY	Washington/Johnson City		LENGTH	1 mi	L RTP#	page 7-24	CONFORMITY	Attainment
PROJECT NAME	SR 381 at Indian Ridge Improvements		TOTAL PROJECT COST	\$4,500,000				
TERMINI OR INTERSECTION	Intersection of SR 381 (State of Franklin) at Indian Ridge Rd. Note: This is for all approaches including Skyline Dr., on the east side of SR 381.							
PROJECT DESCRIPTION	Add turn lanes, bridge rehabilitation							

FISCAL YEAR	TYPE OF WORK	FUNDING TYPE	TOTAL FUNDS	FED FUNDS	STATE FUNDS	LOCAL FUNDS
2011	PE-D	STP-Local	\$325,000	\$260,000		\$65,000
2011	ROW	STP-Local	\$1,000,000	\$800,000		\$200,000
2011	CN	STP-Local	\$3,050,000	\$2,440,000		\$610,000

AMENDMENT # ADJUSTMENT # REMARKS



TIP #	2011-31	TDOT PIN#	112457.00	PRIORITY	HIGH	LEAD AGENCY	TDOT
COUNTY	Washington	LENGTH	0.63	L RTP#	E+C Page 5-5	CONFORMITY	Attainment
PROJECT NAME	I-26 EXIT 24		TOTAL PROJECT COST	\$5,302,965			
TERMINI OR INTERSECTION	Eastbound, from the end of the on-ramp from SR-91 to the interchange with SR-67 (U.S. 321)						
PROJECT DESCRIPTION	Grading, drainage, base and paving of an auxiliary lane on eastbound I-26, construct an auxiliary lane on SR-67 northbound, improvements to I-26 westbound off-ramp at SR-67, build retaining walls on I-26 and SR-67, modify the signal at the northbound SR-67 intersection with the westbound I-26 off-ramp, install lighting along eastbound I-26, pavement markings, seeding, traffic control devices, EPSC devices, etc.						

FISCAL YEAR	TYPE OF WORK	FUNDING TYPE	TOTAL FUNDS	FED FUNDS	STATE FUNDS	LOCAL FUNDS
2015	PE-D	NHPP	\$20,000	\$18,000	\$2,000	\$0
2016	ROW	NHPP	\$300,000	\$270,000	\$30,000	\$0
2016	CN	ACNHPP	\$4,800,000	\$0	\$4,800,000	\$0

AMENDMENT #	4-5/12/16	ADJUSTMENT #	7-9/29/14 14-5/27/16 18-8/24/16	REMARKS	
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Location Map



2011-2014 TIP

The end of an era...

ISSUES

- ▶ Why Change? Simple Productivity & Accuracy
- ▶ Printed (PDF) Documents are outdated
- ▶ City Administration / Elected Officials / Public;
- ▶ *We want information 24/ 7 anywhere there is a computer*
- ▶ How do we do this? Is there software out there we can buy?
- ▶ IT / GIS – What platform does it use...
- ▶ *We are the client. GIS/IT are here to serve us.*
- ▶ *This product is installed on our servers (VM Ware – MS SQL license)*
- ▶ *Minimal impact on our server system*

Tennessee Department of Transportation

“We need a TIP that all MPOs can utilize on the same platform and Web-based” around 2008 timeframe

- ▶ Was there “off the shelf” software?
 - ▶ What about TELUS?
 - ▶ Do we develop something from scratch?
- 

COULDN'T WE USE SOMETHING LIKE THIS FOR THE TIP?

The screenshot displays the TDOT SPOT (Statewide Project Needs) web application. The interface includes a navigation bar with the TDOT logo and a search bar. A left-hand sidebar contains filter options for Counties, Region, House, and Senate, as well as a list of programs with toggle switches. The main area is a map of Tennessee with various project markers. A popup window is open over a specific project route in Carter County, providing detailed information.

Filter By:
Counties Region House Senate

Counties
Select a county...
Reset To Statewide View

Programs:

Local Bridges <input checked="" type="checkbox"/>	State Bridges <input checked="" type="checkbox"/>
Trade <input checked="" type="checkbox"/>	Interstate <input checked="" type="checkbox"/>
Maintenance <input checked="" type="checkbox"/>	Safety <input checked="" type="checkbox"/>
Technology <input checked="" type="checkbox"/>	Rural Access <input checked="" type="checkbox"/>
Urban Growth <input checked="" type="checkbox"/>	All Programs <input checked="" type="checkbox"/>

Toggle Three Year Plan Mode

Close

Map Grid Info

Project Route: US-321 (SR-91)
(W. ELK AVE.) FROM SR-67 (US-321) TO SR-37 (US-19E) (RE-BUDGETED-ROW)
Est. Cost to Completion: **\$22,156,500.00**
Program: **Rural Access**
Length: **4.06 mi.**
County: **Carter**
House: **Representative John B. Holsclaw Jr. - District 4**
Senate: **Senator Rusty Crowe - District 3**
Backlog: **Yes**

Blowing Rock
Map data ©2017 Google | Terms of Use | Report a map error
Data current as of 12/5/2016 | Version 1.0 | © 2017 - SPOT

3:42 PM
6/1/2017

Overall Interactive TIP Database – Joint Effort with Nashville MPO

Fiscal Years 2017-2020 Transportation Improvement Program

MAP

DATABASE

Status:

- Approved Projects
- Proposed Amendments

Location:

[Clear](#) [Show All](#)

- Carter County
- Sullivan County
- Washington County
- Unicoi County
- Multi-County

Improvement Type:

[Clear](#) [Show All](#)

- Bicycle & Pedestrian
- Bridge Work
- Intelligent Transportation/ Wayfinding/ Streetscaping
- Intersection/ Signalization/ Signal Upgrades
- Interstate & Interchange
- New Road/ Road Widening/ Repair
- Other- Historic Preservation
- Public Transportation/ Transit
- Road Reconstruction/ Safety Upgrade

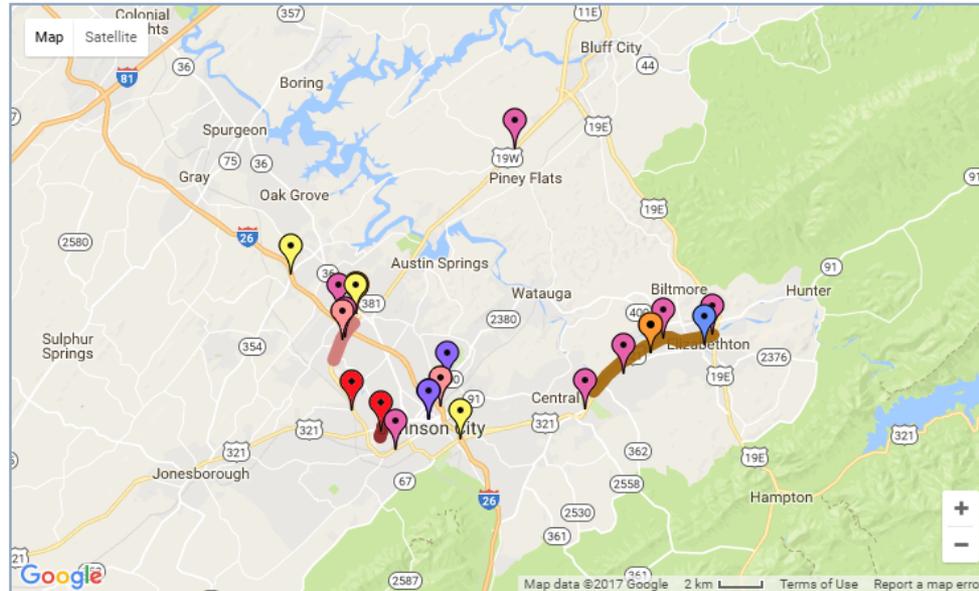
Funding Source:

[Clear](#) [Show All](#)

- Congestion Mitigation Air Quality
- Local Funds
- MPO Surface Transportation Block Grant Program
- National Highway System Programs
- Other Federal Highway Funds
- Other Federal Transit Funds
- Small Urban Transit
- State Funds
- TDOT Surface Transportation Block Grant Program
- Transportation Alternatives

[Hide All](#)

[Show All](#)



Instructions

To learn more about a project, click on it on the map.

23 transportation projects are visible on the map that meet the specified criteria:

[Reset Map](#)

TIP ID #	Project	Type	Location
2014-01	Elk Avenue Bridge Repair	Bridge	Carter County
2017-01	Traffic Signal Upgrades at various locations in Elizabethton	Signal Upgrades	Carter County
2017-02	SR 34 at Industrial Park Rd Traffic Signal Upgrade	Signal Upgrades	Sullivan County
2006-12	VA Hospital Connector	New Road	Washington County
2008-05	SR 381 at Indian Ridge Road Improvements	Road Widening	Washington County
2010-05	Traffic Circle at Mountainview Road	Intersection	Washington County
2017-14	Traffic Signal for State of Franklin Rd and Harris Drive	Signalization	Washington County

IT'S THE INFORMATION THAT IS IMPORTANT...

Fiscal Years 2017-2020 Transportation Improvement Program

MAP

DATABASE

Quick Links: [Reports & Tables](#) | [Related Documents & Resources](#) | [Formal Amendments](#) | [Administrative Modifications](#)

Program Summary

As part of the metropolitan planning requirements, the Johnson City MTPO develops and regularly updates a Transportation Improvement Program (TIP). The purpose of the TIP is to identify and program all transportation projects within the Johnson City MPA that are funded by federal programs in Titles 23 (Highways) and 49 (Transportation) of the USC. The TIP is cooperatively developed at least every four (4) years by the Johnson City MTPO administrative staff in conjunction with its member jurisdictions, Tennessee Department of Transportation (TDOT), Federal Highway Administration (FHWA), Federal Transit Administration (FTA) and Johnson City Transit (JCT). The TIP is included by reference in the Statewide Transportation Improvement Program (STIP) and adopted by the Johnson City MTPO Executive Board and the Governor of the State of Tennessee. The TIP contains all federally funded and regionally significant locally funded projects. The TIP includes proposed federally funded capital and non-capital surface transportation projects or project phases.

Once a draft TIP is completed, it is submitted to TDOT, FHWA, and FTA for comments. Once the comments have been adequately addressed, the TIP follows the process described in the Public Participation Plan to provide public notice and an opportunity for the public to comment. Once any public comments are addressed, the TIP is recommended for adoption by the Johnson City MTPO Executive Board. Then, the final TIP is forwarded to TDOT to be included by reference in the STIP and approved by FHWA and FTA.

Total Programmed:	\$50,193,737.00	Total Projects:	23
Federal Share:	\$35,174,603.00	Date Adopted:	11/4/2016
Federal Obligations*:	\$6,220,827.00	Effective Dates:	10/1/2016 through 9/30/2020
Unobligated Balance:	\$28,953,776.00	Last Amended:	No amendments.
* Obligations during current TIP period only.		Contact Information:	Glenn Berry, glennberry@jcmpo.org

Project List

Search for projects by keyword:

Search

Show All

Advanced >>

23 projects meet the search criteria:



Share



Show Project List on Map



Print or Export Project List

TIP ID#	Project Name	Improvement	Location	Lead Agency	Total Cost
2014-01	Elk Avenue Bridge Repair	Bridge	Carter County	Elizabethton	\$660,000.00
2017-01	Traffic Signal Upgrades at various locations in Elizabethton	Signal Upgrades	Carter County	Elizabethton	\$660,000.00
2017-02	SR 34 at Industrial Park Rd Traffic Signal Upgrade	Signal Upgrades	Sullivan County	Bluff City	\$200,000.00
2006-12	VA Hospital Connector	New Road	Washington County	Johnson City	\$3,866,700.00
2008-05	SR 381 at Indian Ridge Road Improvements	Road Widening	Washington County	Johnson City	\$6,946,700.00
2010-05	Traffic Circle at Mountainview Road	Intersection	Washington County	Johnson City	\$1,663,000.00
2017-14	Traffic Signal for State of Franklin Rd and Harris Drive	Signalization	Washington County	Johnson City	\$330,000.00
2014-12	Signalization Improvements for Elizabethton at Two Intersections	Signal Upgrades	Carter County	Elizabethton	\$828,000.00
2013-02	Adaptive Signal Control on North State of Franklin Road/I-26 Corridor-Phase 1	ITS	Washington County	Johnson City	\$290,000.00
2014-11	Adaptive Signal Control Phase 2	ITS	Washington County	Johnson City	\$550,000.00

> <

Show # of items: 10

- Math Yes
- Descriptions
- Not only Map but interactive Maps
- Printable Project sheets
- Accessible from the web
- Browser supported
- IIS / Microsoft SQL – Database
- Windows Server 2012
- Installation– Mary Butler
- Notifications by e-mail
- Users (jurisdictions) can submit their projects online
- Minimal impact
- Exported for the “TIP BOOK”

Fiscal Years 2017-2020 Transportation Improvement Program

Project Name	Adaptive Signal Control on North State of Franklin Road/I-26 Corridor-Phase 1		TIP #	2013-02	
Improvement Type	ITS		Lead Agency	Johnson City	
County	Washington County	Length	1.60	Regional Plan ID	TISB-20, page 7-5
Air Quality Status	Attainment	TDOT PIN		Project Cost	\$290,000.00
Route	SR381				
Location	SR381 (N State of Franklin Rd) from Knob Creek Rd to Browns Mill Rd				
Project Description	Phase 1: Add adaptive signal control on North State of Franklin Road in the vicinity of I-26 to improve safety and reduce congestion.				

Fiscal Year	Type of Work	Funding Type	Total Funds	Federal Funds	State Funds	Local funds
2019	PE- NEPA	STBG-Local	\$10,000.00	\$10,000.00	\$0.00	\$0.00
2019	PE- Design	STBG-Local	\$20,000.00	\$20,000.00	\$0.00	\$0.00
2019	Construction	STBG-Local	\$260,000.00	\$260,000.00	\$0.00	\$0.00
TOTAL			\$290,000.00	\$290,000.00	\$0.00	\$0.00

REVISION HISTORY

PROJECT NOTES

Equipment to be installed in existing right of way.



Project Notes

Note	Posted On
Preliminary Engineering - NEPA, Design and Right-of-Way Phases in previous TIPs.	10/06/2016

Project Amendments

There are no amendments for this TIP Project.

Administrative Modifications

Adjustment #	Action	MPO Approval
4	Adjusted FY 2017 Construction funds to add \$240,000 (\$192,000 Federal and \$48,000 Local).	2/13/2017
8	Adjusted Fiscal Year 2017 to add \$6,700 (\$5,360 Federal & \$1,340 Local) to the Construction phase.	3/28/2017

Submit a Comment

The Johnson City Metropolitan Planning Organization welcomes your feedback. Please enter your comment below and click Submit. While we review all comments carefully, we are not able to respond to every comment.

Your name:*

Phone #:

Email address:

Your comment:

Please limit your comment to 2,000 characters.

I'm not a robot



Submit Comment

E-mail
Notifications

Staff
Partners
Public

This includes
changes to
projects

Program Expenditures by Year and Grant

Page 1 of 2 Pdf

JOHNSON CITY MTPO

Fiscal Years 2017-2020 Transportation Improvement Program PROGRAM EXPENDITURES BY YEAR AND GRANT

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total
Surface Transportation Block Grant Program - Local (STBG-Local)	\$6,877,360.00	\$1,176,000.00	\$290,000.00	\$660,000.00	\$9,003,360.00
Surface Transportation Block Grant Program - State (STBG-State)	\$791,813.00	\$641,813.00	\$641,813.00	\$641,813.00	\$2,717,252.00
Advance Construction - National Highway Performance Program (ACNHPP)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
National Highway Performance Program (NHPP)	\$902,488.00	\$272,488.00	\$272,488.00	\$272,488.00	\$1,719,952.00
Federal Lands Access Program (FLAP)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
High Priority Project - Federal Earmark (HPP)	\$0.00	\$0.00	\$0.00	\$4,125,200.00	\$4,125,200.00
Highway Safety Improvement Program (HSIP)	\$1,682,386.00	\$557,386.00	\$557,386.00	\$557,386.00	\$3,354,544.00
Penalty-Highway Safety Improvement Program (PHSIP)	\$2,887,775.00	\$8,750.00	\$8,750.00	\$8,750.00	\$2,914,025.00
Safety Improvement Program (SIP)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Safe Routes to School (SRTS)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Transportation Alternatives Program (State) (TAP)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Transportation Enhancement Program - Grouping (ENH)	\$578,475.00	\$0.00	\$0.00	\$0.00	\$578,475.00
Small Urban Transit Formula Funds (FTA 5307)	\$1,956,000.00	\$2,031,000.00	\$2,019,000.00	\$2,069,000.00	\$8,075,000.00
Bus And Bus Facilities Grants (FTA 5339)	\$771,469.00	\$170,000.00	\$170,000.00	\$0.00	\$1,111,469.00

SUMMARY TABLES

WHAT'S NEXT ?

- ▶ Local Jurisdictions are using this now - Elizabethton
 - ▶ We would love for TDOT Programming Office to start using this
 - ▶ We need tie in with **Federal Obligation** amounts
 - ▶ <http://www.jcmpo.org>
- 