Johnson City MTPPO 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
EXIT 13 @ I-26 (GRAY EXIT)

Bid: $13,258,952.72
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

Bicycle /Pedestrian Trails

Gray Fossil Site

Transit
I-26 – EXIT 17

- Divergent Diamond
- At Exit 17 (Boones Creek Rd.)
IT BEGAN WAY BACK WHEN...
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…

\[
\begin{align*}
51,000 \\
325,000 \\
+ 740,000 \\
\hline
1,416,000 \\
\hline
1,116,000
\end{align*}
\]
2008-2011 TIP
Better Maps
But still no math…
2011-2014 TIP

See the pretty Pictures!
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- Printed (PDF) Documents are outdated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?
**Fiscal Years 2017-2020 Transportation Improvement Program**

**Program Summary**

As part of the metropolitan planning requirements, the Johnson City MTPD 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 MTPD 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 MTPD 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 MTPD Executive Board. Then, the final TIP is forwarded to TDOT to be included by reference in the STIP and approved by FHWA and FTA.

<table>
<thead>
<tr>
<th>Total Programmed:</th>
<th>$50,193,737.00</th>
<th>Total Projects:</th>
<th>23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Obligations*:</td>
<td>$8,220,827.00</td>
<td>Effective Dates:</td>
<td>10/1/2016 through 9/30/2020</td>
</tr>
<tr>
<td>Unobligated Balance:</td>
<td>$20,953,776.00</td>
<td>Last Amended:</td>
<td>No amendments</td>
</tr>
</tbody>
</table>

* Obligations during current TIP period only.

**Project List**

Search for projects by keyword: [Search]  [Show All]  [Advanced >>]

23 projects meet the search criteria:

<table>
<thead>
<tr>
<th>TIP ID#</th>
<th>Project Name</th>
<th>Improvement</th>
<th>Location</th>
<th>Lead Agency</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-01</td>
<td>Elk Avenue Bridge Repair</td>
<td>Bridge</td>
<td>Carter County</td>
<td>Elizabethon</td>
<td>$660,000.00</td>
</tr>
<tr>
<td>2017-01</td>
<td>Traffic Signal Upgrades at various locations in Elizabethton</td>
<td>Signal Upgrades</td>
<td>Carter County</td>
<td>Elizabethon</td>
<td>$660,000.00</td>
</tr>
<tr>
<td>2017-02</td>
<td>SR 34 at Industrial Park Rd Traffic Signal Upgrade</td>
<td>Signal Upgrades</td>
<td>Sullivan County</td>
<td>Bluff City</td>
<td>$200,000.00</td>
</tr>
<tr>
<td>2006-12</td>
<td>VA Hospital Connector</td>
<td>New Road</td>
<td>Washington County</td>
<td>Johnson City</td>
<td>$3,866,700.00</td>
</tr>
<tr>
<td>2006-05</td>
<td>SR 381 at Indian Ridge Road Improvements</td>
<td>Road Widening</td>
<td>Washington County</td>
<td>Johnson City</td>
<td>$5,946,700.00</td>
</tr>
<tr>
<td>2010-05</td>
<td>Traffic Circle at Mountainview Road</td>
<td>Intersection</td>
<td>Washington County</td>
<td>Johnson City</td>
<td>$1,663,000.00</td>
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<tr>
<td>2017-14</td>
<td>Traffic Signal for State of Franklin Rd and Harris Drive</td>
<td>Signalization</td>
<td>Washington County</td>
<td>Johnson City</td>
<td>$330,000.00</td>
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<tr>
<td>2014-12</td>
<td>Signalization Improvements for Elizabethan at Two Intersections</td>
<td>Signal Upgrades</td>
<td>Carter County</td>
<td>Elizabethan</td>
<td>$828,000.00</td>
</tr>
<tr>
<td>2013-02</td>
<td>Adaptive Signal Control on North State of Franklin Road/1-26 Corridor-Phase 1</td>
<td>ITS</td>
<td>Washington County</td>
<td>Johnson City</td>
<td>$250,000.00</td>
</tr>
<tr>
<td>2014-11</td>
<td>Adaptive Signal Control Phase 2</td>
<td>ITS</td>
<td>Washington County</td>
<td>Johnson City</td>
<td>$550,000.00</td>
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</tbody>
</table>
NOW WE HAVE IT. THE E-TIP WORLD WIDE WEB DATABASE

- 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”
Preliminary Engineering - NEPA, Design and Right-of-Way Phases in previous TIPs.

This includes changes to projects.

Project Amendments
There are no amendments for this TIP Project.

Administrative Modifications

<table>
<thead>
<tr>
<th>Adjustment #</th>
<th>Action</th>
<th>MPO Approval</th>
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<tbody>
<tr>
<td>4</td>
<td>Adjusted FY 2017 Construction funds to add $240,000 ($192,000 Federal and $48,000 Local).</td>
<td>2/13/2017</td>
</tr>
<tr>
<td>8</td>
<td>Adjusted Fiscal Year 2017 to add $6,700 ($5,360 Federal &amp; $1,340 Local) to the Construction phase.</td>
<td>3/28/2017</td>
</tr>
</tbody>
</table>

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 #: (xxx) xxx-xxxx
Email address: example@example.com
Your comment:

Please limit your comment to 2,000 characters.

I'm not a robot
## Fiscal Years 2017-2020 Transportation Improvement Program

**Program Expenditures by Year and Grant**

<table>
<thead>
<tr>
<th>Funding Source</th>
<th>FY 2017</th>
<th>FY 2018</th>
<th>FY 2019</th>
<th>FY 2020</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Transportation Block Grant Program - Local (SBG=Local)</td>
<td>$6,977,360.00</td>
<td>$1,176,000.00</td>
<td>$290,000.00</td>
<td>$660,000.00</td>
<td>$9,003,600.00</td>
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<tr>
<td>Surface Transportation Block Grant Program - State (SBG-State)</td>
<td>$791,813.00</td>
<td>$641,813.00</td>
<td>$641,813.00</td>
<td>$641,813.00</td>
<td>$2,717,252.00</td>
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<tr>
<td>Advance Construction - National Highway Performance Program (ACNHPP)</td>
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<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
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<tr>
<td>National Highway Performance Program (NHPP)</td>
<td>$902,488.00</td>
<td>$272,488.00</td>
<td>$272,488.00</td>
<td>$272,488.00</td>
<td>$1,719,952.00</td>
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<td>Federal Lands Access Program (FLAP)</td>
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<tr>
<td>High Priority Project - Federal Earmark (HPP)</td>
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<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$4,125,200.00</td>
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<tr>
<td>Highway Safety Improvement Program (HSIP)</td>
<td>$1,682,385.00</td>
<td>$557,386.00</td>
<td>$557,386.00</td>
<td>$557,386.00</td>
<td>$3,354,544.00</td>
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<tr>
<td>Penalty-Highway Safety Improvement Program (PHSIP)</td>
<td>$2,887,775.00</td>
<td>$8,750.00</td>
<td>$8,750.00</td>
<td>$8,750.00</td>
<td>$2,914,025.00</td>
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<tr>
<td>Safety Improvement Program (SIP)</td>
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<td>$0.00</td>
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<tr>
<td>Safe Routes to School (SRTS)</td>
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<td>$0.00</td>
<td>$0.00</td>
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<td>$0.00</td>
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<tr>
<td>Transportation Alternatives Program (State) (TAP)</td>
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<td>$0.00</td>
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<td>Transportation Enhancement Program - Grouping (TAP)</td>
<td>$578,475.00</td>
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<td>Small Urban Transit Formula Funds (FTA 5307)</td>
<td>$1,956,000.00</td>
<td>$2,031,000.00</td>
<td>$2,019,000.00</td>
<td>$2,069,000.00</td>
<td>$8,075,000.00</td>
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<tr>
<td>Bus And Bus Facilities Grants (FTA 5339)</td>
<td>$771,469.00</td>
<td>$170,000.00</td>
<td>$170,000.00</td>
<td>$0.00</td>
<td>$1,111,469.00</td>
</tr>
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</table>

Johnson City MTPN
Thursday, June 1, 2017
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](http://www.jcmpo.org)