

**Southwestern Pennsylvania Commission
District 10-0 Program Modifications**

Discussion:

- Engineering District 10 is requesting 25 program adjustments to the 2011-2014 Program.
- Fiscal modifications are being made to the FFY 2011-2014 TIP to keep the fiscal year-to-year funding in balance.
- Funding for the program modifications will be provided from the sources as noted in the narrative below and on the attached Fiscal Constraint Chart.

Project Summaries:

Administrative Actions

- **PA 528 Park-N-Ride Expansion Phase 2:** This project is the expansion of the existing park-n-ride facility located at the PA 528/I-79 interchange in Jackson Township, Butler County.

As a result of the project's traffic impact study, a need has been determined for a left-turn lane from PA 528 westbound onto the I-79 southbound onramp. This need is not the result of the park-n-ride expansion but is caused by existing traffic volumes and movements.

Butler Transit has requested that TIP funds be used to fund the construction of this turning lane. It would be built as part of the park-n-ride expansion project. The District has reviewed this request and is in agreement. Butler Transit's engineer, who is designing the expansion project, has provided an estimate of \$330,000 to construct the turning lane.

Therefore, the District would now like to add \$330,000 (100% Federal) to the construction phase of this project in FFY 2012.

These Federal highway funds will be "flexed" over to the Federal Transit Administration, along with the Federal CMAQ funds already programmed in the project.

The source to cover this increase is \$330,000 from the early conversion, in FFY 2010, of FFY 2012 advance constructed TIP funds from **Freeport Bridge Ramps**.

- **Cox's Corner Intersection:** This intersection improvement project involves the reconfiguration of the existing intersection of PA 228 and SR 2005 (Saxonburg Boulevard) in Clinton Township, Butler County. The preliminary scope of work includes horizontal and vertical realignment, excavation, placing of subbase, paving, pavement markings, and drainage improvements.

The intersection, with present traffic volumes and geometrics, has an awkward configuration and does not support efficient vehicular movement. Clinton Township has been proposing an intersection improvement project at this location for many years, and the District is supportive of such a project. Testimony was given regarding this intersection at the May 26, 2011, SPC Long-Range Transportation Plan public meeting for Butler County and at the August 25, 2011, State Transportation Commission Hearing.

This intersection will be the site of an upcoming SPC Road Safety Audit.

The District would like to add this project and its preliminary engineering phase in the amount of \$300,000 (100% State) to the TIP in FFY 2012.

The source to cover this increase is the **SPC District 10 Highway/Bridge Line Item**.

- **Southwest of Boydstown Bridge:** This bridge rehabilitation project involves the replacement of the existing superstructure of the structurally deficient (SD) bridge carrying PA 38 over Pine Run in Oakland Township, Butler County.

Based on current data in the Bridge Management System, the superstructure is rated as serious.

District 1 has a project on PA 38 (Emlenton Hill Improvement) and District 10 has a project on Interstate 80 (I-80 Bridges Group 2 PM). Both are scheduled for construction in 2013 and 2014. These projects will include construction work and lane closures on Interstate 80 and closures on PA 38. When this work is being done, a mobile home company (Pennwest Homes) will have to use PA 38 as a detour. Southwest of Boydstown Bridge, which is located on PA 38 along the detour route, is also scheduled for construction in 2013. If we do not advance the construction phase of Southwest of Boydstown Bridge to FFY 2012, Pennwest Homes will have to utilize a detour of over 40 miles for their trucks.

This project will use a single lane with alternating traffic and temporary signals during construction.

The final design phase of this project was programmed on the previous 2009-2012 TIP, while the utility and right-of-way phases are programmed on the current 2011-2014 TIP. Construction funding is currently programmed in FFY 2013.

The bridge will utilize galvanized steel beams. It is important to let the project before the end of CY 2011 so the contractor has enough time for fabrication and galvanizing in order for construction to begin in the spring.

Therefore, the District now requests that construction be advanced from FFY 2013 to FFY 2012 by programming \$1,210,000 (80% Federal and 20% State) in FFY 2012.

The proposed project will remove the bridge from the SD listing.

The funds to program construction for this project in FFY 2012 are available from the following sources:

- **Freeport Bridge Ramps:** \$968,000 Federal from the early conversion, in FFY 2010, of FFY 2012 advance constructed TIP funds
 - **SPC District 10 Highway/Bridge Line Item:** \$242,000 State
- **Little Connoquenessing Creek Bridge:** This project involves the replacement of the existing SD bridge carrying PA 38 over Little Connoquenessing Creek in Concord Township, Butler County.

Based on current data in the Bridge Management System, the substructure is rated as serious.

District 1 has a project on PA 38 (Emlenton Hill Improvement) and District 10 has a project on Interstate 80 (I-80 Bridges Group 2 PM). Both are scheduled for construction in 2013 and 2014. These projects will include construction work and lane closures on Interstate 80 and closures on PA 38. When this work is being done, a mobile home company (Pennwest Homes) will have to use PA 38 as a detour. Little Connoquenessing Creek Bridge, which is located on PA 38 along the detour route, is also scheduled for construction in 2013. If we do not advance the construction phase of Little Connoquenessing Creek Bridge to FFY 2012, Pennwest Homes will have to utilize a detour of over 40 miles for their trucks.

This project will use a single lane with alternating traffic and temporary signals during construction.

SPC October 2011 Modifications

The final design phase of this project was programmed on the previous 2009-2012 TIP, while the utility and right-of-way phases are programmed on the current 2011-2014 TIP. Construction funding is currently programmed in FFY 2013.

The District now requests that construction be advanced from FFY 2013 to FFY 2012 by programming \$1,910,000 (80% Federal and 20% State) in 2012.

The proposed project will remove the bridge from the SD listing.

The funds to program construction for this project in FFY 2012 are available from the following sources:

- **Freeport Bridge Ramps:** \$1,000,000 Federal from the early conversion, in FFY 2010, of FFY 2012 advance constructed TIP funds
 - **SPC District 10 Highway/Bridge Line Item:** \$200,356 Federal and \$300,089 State
 - **Boyer's Bridge #1:** \$327,644 Federal and \$81,911 State from anticipated savings from the construction phase
- **Myoma Bridge #2:** This design build project is the replacement of the existing SD metal pipe culvert carrying SR 3015 (Mars Evans City Road) over a tributary to Breakneck Creek in Adams Township, Butler County.

The District requests that \$15,000 (100% State Bond) be added to the preliminary engineering phase of this project in FFY 2012 to cover the addition of in-house core borings.

The source of funds to cover the addition to this phase is the **2014 Butler DFB #2 Line Item.**

- **SPC/D10 Design Review Management Open-End:** This is an "on-demand," open-end consultant agreement to handle design review and management for various bridges in Armstrong, Butler, and Indiana Counties.

The District would like to add the above project for the following reasons:

- The District 10 program is comprised primarily of bridges, resulting in a greater bridge design review workload
- Reassignment of a design review employee is necessary to manage the District's large projects on the Interstate Management Program
- Assignment of extra staff to meet the increasing requirements of bridge inspection is needed
- There is a possibility of increased funding through the Transportation Funding Advisory Commission (TFAC)

Therefore, the District now requests that this project and its preliminary engineering phase be added to the TIP in FFY 2012 in the amount of \$400,000 (100% State Act 44).

The source of funds to cover the addition of this project and phase is the **SPC District 10 Highway/Bridge Line Item.**

- **District 10 2c SINC-UP Project:** This project involves equipment upgrades, retiming, and the installation of countdown pedestrian signals at various intersections throughout Armstrong, Butler, and Indiana Counties.

The District is requesting to supplement this project with \$58,377 of State Highway funds so that work at the South Water Street (SR 1040)/Walnut Street Intersection in Kittanning Borough near the PennDOT Armstrong County Maintenance Office may proceed. These funds will be programmed in FFY 2012 as follows: \$5,100 in preliminary engineering, \$3,600 in final design, and \$49,677 in construction.

SPC October 2011 Modifications

The additional funds for this project will be obtained from the **SPC District 10 Highway/Bridge Line Item**.

- **US 119 Homer City North:** This safety improvement, highway restoration, and bridge project involves the placement of concrete median barrier to limit crossover access along certain stretches of US 119 in Homer City Borough and Center and White Townships, Indiana County. It also includes milling, concrete pavement patching, lengthening of existing left-turn lanes, widening, bituminous overlay, and drainage improvements. The project also involves the replacement, rehabilitation, or removal of five bridges. The initial project area runs from the PA 56/US 119 intersection in Homer City Borough north through Center Township and ends at US 422 in White Township. The project length and scope may be revised as preliminary design identifies the areas of need.

Engineering District 10 is now requesting to add this project and its preliminary engineering phase to the TIP in FFY 2012 and program \$175,000 of 100% State Highway funds into that phase. The \$175,000 will be obtained from surplus funds contained in the **SPC District 10 Highway/Bridge Line Item**.