



# INDIANA DEPARTMENT OF TRANSPORTATION

*Driving Indiana's Economic Growth*

100 North Senate Avenue  
Room Nxxx  
Indianapolis, Indiana 46204

PHONE: (317) xxx-xxxx  
FAX: (317) xxx-xxxx

**Michael R. Pence, Governor**  
**Michael B. Cline, Commissioner**

March 15, 2013

Ms. Marisol R. Simon  
Regional Administrator  
Federal Transit Administration  
200 West Adams Street, Suite 320  
Chicago, IL 60606

RE: FY2012 - FY2015 State Transportation Improvement Program (STIP) Transit Amendment #34

Dear Ms. Simon;

Please find attached a Metropolitan Planning Organization TIP amendment which must be approved and included into the FY 2012 State Transportation Improvement Program. We will reflect by reference the 2012 – 2015 federal aid projects covered by this approval in our 2012 - 2015 STIP. The amendment is for the Tippecanoe County Area Plan Commission (Lafayette MPO). The resolution number for the Lafayette amendment is T-13-02.

We have determined that the proposed amendments are: 1) consistent with the transportation plan; 2) the TIP remains fiscally constrained in that federal funding resources are sufficient to support the new or modified projects and 3) conform to state and national air quality standards as required by the Federal Clean Air Act Amendments of 1990.

We request your review and approval of the subject amendment. Please contact me at (317) 232-5292 if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Larry Buckel".

Larry Buckel  
Manager  
Office of Transit

CC: Sallie Dell Fahey, Lafayette MPO  
Christopher Whitehead, GLPTC  
Reggie Arkell, FTA  
Tony Greep, FTA

THE

# Area Plan Commission

of TIPPECANOE COUNTY

20 NORTH 3RD STREET  
LAFAYETTE, INDIANA 47901-1209

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SALLIE DELL FAHEY  
EXECUTIVE DIRECTOR

March 4, 2013  
Ref. No.: 2013-054

Randy Walter, Transportation Planner/MPO Coordinator  
INDOT Room N955-LP  
100 North Senate Avenue  
Indianapolis, IN 46204-2249

Dear Randy:

On February 20, 2013, the Area Plan Commission amended the FY 2012-2015 TIP by Resolution T-13-02. The Indiana Department of Transportation (INDOT) and CityBus requested the amendments. INDOT's request included programming a statewide passive railroad crossing improvement project at various Norfolk Southern Railroad crossings throughout Indiana (Des #1005821). The request from CityBus included revising its CY 2013 capital, operating and planning programs. Two new planning projects are programmed (Des #1382194 & 1382195) and the amount of federal funds for operating assistance has been reduced (Des #1172675). Of the seven capital projects currently shown in the TIP, funding for six of them have been revised and funding for the support vehicle has been zeroed out. Five new capital projects have been added. One of the new ones, the CNG fueling station, also includes federal funding from the trade of federal and local funds with MACOG. An updated summary of all the capital projects with des numbers is attached.

This letter also includes an Administrative Modification requested by INDOT. Funding for preliminary engineering for the statewide fracture critical inspection project (des 129452) has been moved from FY 2013 to FY 2014.

Enclosed you will find a copy of the resolution and staff report. The TIP document will be updated and then placed on the APC web page: [www.tippecanoe.in.gov/APC](http://www.tippecanoe.in.gov/APC). We will notify you when this occurs. Please call if you have any questions or need additional information.

Sincerely,



Sallie Dell Fahey  
Executive Director

cc: Mark Albers, Crawfordsville District Office  
Marty Sennett, General Manager  
Brad Rood, Federal Finance Specialist

Resolution T-13-02

RESOLUTION TO AMEND THE  
FY 2012-2015 TRANSPORTATION IMPROVEMENT PROGRAM

**WHEREAS**, the Area Plan Commission of Tippecanoe County (APC) in its capacity as the Metropolitan Planning Organization is responsible for transportation planning in Tippecanoe County, and

**WHEREAS**, the Area Plan Commission, acting as the Metropolitan Planning Organization, is responsible for developing and maintaining the Transportation Improvement Program, and

**WHEREAS**, the Indiana Department of Transportation and the Greater Lafayette Public Transportation Corporation (CityBus) have requested changes to the FY 2012-2015 Transportation Improvement Program as follows:

<u>Project &amp; Location</u>	<u>Year</u>	<u>Federal Funding</u>	<u>Phase</u>	<u>Federal Share</u>	<u>Local Share</u>	<u>Total Cost</u>
Replacement Tires	2013	Sec 5307	EQ	50,000	12,500	62,500
Rebuild Two Bus Engines	2013	Sec 5307	EQ	10,000	2,500	12,500
Rebuild four Bus Transmissions	2013	Sec 5307	EQ	20,000	5,000	25,000
Rebuild Major Bus Components	2013	Sec 5307	EQ	20,000	5,000	25,000
Computer Hardware & Software	2013	Sec 5307	EQ	20,000	5,000	25,000
Bus Replacement	2013	Sec 5307	EQ	1,460,800	365,200	1,826,000
✓Maintenance Equipment	2013	Sec 5307	EQ	4,000	1,000	5,000
✓Rehab Building Overhead Doors	2013	Sec 5307	EQ	20,000	5,000	25,000
✓Replace Office Furnishing & Carpet	2013	Sec 5307	EQ	8,000	2,000	10,000
✓Replacement Fareboxes	2013	Sec 5307	EQ	260,000	65,000	325,000
✓CNG Fueling Station	2013	Sec 5307	CN	1,200,000	300,000	1,500,000
CityBus Operating Assistance	2013	Sec. 5307	OP	1,000,000	6,972,401	10,987,989
Transportation Improvement Program	2013	Sec 5307	PL	3,200	800	4,000
Feasibility of CNG Fueling Station	2013	Sec 5307	PL	24,000	6,000	30,000
Norfolk Southern RR Crossings <i>At Various Locations throughout State</i>	2013	Sec 130	CN	----	----	----

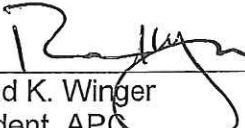
**WHEREAS**, the Greater Lafayette Public Transportation Corporation Board of Directors reviewed and approved the transit projects at its December 21, 2012 meeting, and

**WHEREAS**, the Technical Transportation Committee reviewed the requests at its January 16, 2013 and February 20, 2013 meetings and recommended their inclusion in the FY 2012-2015 Transportation Improvement Program, and

**WHEREAS**, the Administrative Committee reviewed the requests at its February 12, 2013 meeting and recommended their inclusion in the FY 2012-2015 Transportation Improvement Program.

**NOW THEREFORE BE IT RESOLVED** that the Area Plan Commission of Tippecanoe County, acting in its capacity as the Metropolitan Planning Organization, hereby adopts these amendments to the FY 2012-2015 Transportation Improvement Program for Tippecanoe County.

ADOPTED on Wednesday, the 20<sup>th</sup> of February, 2013.

  
Roland K. Winger  
President, APC

  
Sallie Dell Fahey  
Secretary

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**FY 2012-2015 TIP Amendments  
CityBus and the Indiana Department of Transportation**

**Staff Report  
February 14, 2013**

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**BACKGROUND AND REQUEST:**

There are two requests to amend the Transportation Improvement Program (TIP). CityBus requests an amendment to adjust its 2013 capital, operating and planning programs. The Indiana Department of Transportation requests an amendment to program a statewide passive railroad crossing improvement project.

***CityBus***

At the beginning of each year, CityBus staff reviews its capital, operating and planning programs and makes adjustments as needed. For 2013, CityBus estimates that it will receive \$3,600,000 in Federal Section 5307 funds which is a substantial increase over 2012 because of MAP-21 realignment of funding. With the additional funds, this request is to amend all three programs.

**I) Capital Projects**

Currently the TIP shows seven projects programmed in 2013 which include general maintenance items and two vehicle replacement projects. The maintenance items include replacing tires, rebuilding engines and transmissions, replacing various bus components and upgrading computer hardware and software. The vehicle replacement projects include replacing a support vehicle and two buses.

With the recent review, all of the projects, except for the support vehicle replacement, will remain but with revisions. The funds allocated for tires, and major bus components increase while rebuilding engines (two rebuilt), transmissions (four rebuilt), and computer related equipment decrease. CityBus now plans to replace four full-size fixed route buses. All four are proposed to be powered with compressed natural gas (CNG) and they will replace buses #1006 through #1009.

The following table shows the updated projects and funding amounts:

<u>Des #</u>	<u>Project</u>	<u>Federal Share</u>	<u>Local Share</u>	<u>Total Cost</u>
1172687	Replacement Tires	\$50,000	\$12,500	\$62,500
1172688	Rebuild Two Bus Engines	\$10,000	\$2,500	\$12,500
1172689	Rebuild four Bus Transmissions	\$20,000	\$5,000	\$25,000
1172690	Rebuild Major Bus Components	\$20,000	\$5,000	\$25,000
1172692	Computer Hardware & Software	\$20,000	\$5,000	\$25,000
1172694	Bus Replacement	\$1,460,000	\$365,200	\$1,826,000

Five new projects will be added. Three of them are similar to ones programmed in previous years and include purchasing maintenance equipment, rehabilitating the overhead garage doors and replacing office equipment and furniture. They also plan to purchase new fareboxes for half of the fleet and construct a CNG fueling station.

The following table summarizes the cost of each new capital project:

<u>Project</u>	<u>Federal Share</u>	<u>Local Share</u>	<u>Total Cost</u>
Maintenance Equipment	\$4,000	\$1,000	\$5,000
Rehab Building Overhead Doors	\$20,000	\$5,000	\$25,000
Replace Office Furnishing & Carpet	\$8,000	\$2,000	\$10,000
Replacement Fareboxes	\$260,000	\$65,000	\$325,000
CNG Fueling Station	\$700,000	\$175,000	\$875,000

The follow justifications were provided by CityBus staff for the new projects:

**MAINTENANCE EQUIPMENT - \$5,000**

Some maintenance equipment is in need of replacement, and due to new technology, some new equipment is needed to complete the varied types of repairs encountered by technicians. The proposed budget for this line item is \$5,000.

**REHAB BUILDING OVERHEAD DOORS - \$25,000**

Glass panels and controllers on many of the overhead doors are in need of rehab or replacement after years of use seven (7) days a week. The proposed budget is \$25,000.

**REPLACE OFFICE FURNISHINGS AND CARPETING - \$10,000**

Some office furnishings are over 35 years old and in need of replacement. The proposed budget for this line item is \$10,000.

**REPLACEMENT FAREBOXES - \$325,000**

CityBus needs to replace the fareboxes on their fixed route buses. Technology upgrades will allow CityBus to increase fares in increments of less than \$1.00, accept fare cards in addition to bills and coins, and will recognize counterfeit coins which are found almost daily. This line item will replace approximately half of the fareboxes currently installed in the fixed route fleet. The proposed budget for this line item is \$325,000.

**COMPRESSED NATURAL GAS (CNG) FUELING STATION (des #1382006) - \$875,000**

CityBus desires to build a facility that will provide compressed natural gas (CNG) for CNG buses. This facility would be usable for the buses in the CityBus fleet and other municipalities that desire to refuel their CNG powered vehicles. This line item represents almost 49% of the total cost budgeted for the facility. The proposed budget for this line item is \$875,000.

This project will also include federal funds from a trade of federal funds for local funds with the Michiana Area Council of Governments. CityBus anticipates using \$500,000 in federal funds from the trade to construct the fueling station. The combined funding amounts are \$1,200,000 in federal funds, \$300,000 in local funds and the total cost is \$1,500,000.

**II) Planning Projects**

Every year CityBus uses its Section 5307 funds to conduct various planning projects. For 2013, they plan on funding two. The first one is done every year and involves developing and reviewing the projects programmed in the TIP. The second project involves studying the feasibility of using CNG, and what is needed to install a fueling station at their facilities on Canal Road.

The following summarizes the two planning tasks:

**TASK #101  
TRANSPORTATION IMPROVEMENT PROGRAM**

Objective

The purpose of this task is to develop an annual program of low and high capital intensive projects for inclusion in the long-range plan and the TIP document.

Scope

Review the capital needs of CityBus to determine what projects should be included in the annual TIP report. Meet with community leaders to collect information regarding their needs and projects planned to enable CityBus to better serve the community through efficient and effective use of capital funds.

End Product

Annual transit portion of the Transportation Improvement Program (TIP) document which outlines future capital needs for CityBus.

Budget

	Hours	Avg. Staff Cost/Hours	Total Cost
	94	\$42.50	\$4,000.00
<u>Source</u>	<u>Total</u>	<u>Federal</u>	<u>Local</u>
FTA-5307PL	\$4,000.00	\$3,200.00	\$800.00

**TASK #102  
FEASIBILITY OF CNG FUELING STATION**

Objective

The purpose of this task is to purchase engineering services to determine what modifications would be necessary to construct a compressed natural gas (CNG) fueling station on the CityBus property at 1250 Canal Road. Services also include determining compliance with local and state standards and regulations.

Scope

Review existing and future needs and demand placed on CityBus if it converted to CNG. Determine what modifications would be necessary to the existing building(s) and property for a CNG fueling station. Work with local and state officials to determine what would be needed to comply with local and state regulations.

End Product

Report showing required modifications to the building and property and for compliance with local and state standards for construction of a compressed natural gas (CNG) fueling station.

Budget

	Hours	Avg. Staff Cost/Hours	Total Cost
	250	\$120.00	\$30,000.00
<u>Source</u>	<u>Total</u>	<u>Federal</u>	<u>Local</u>
FTA-5307PL	\$30,000.00	\$24,000.00	\$6,000.00

**III) Operating Assistance**

Currently the TIP shows CityBus using \$1,920,000 in Federal Section 5307 funds for operating the system in FY 2013 (des #1172675). CityBus staff wants to reduce the amount to \$1,000,000 with the

balance used on capital projects. CityBus will be using \$500,000 in federal funds from the trade with the Michiana Area Council of Governments for operating assistance and \$500,000 of its own local 5307 funds. This amount only accounts for ten percent of the total operating expenses.

The CityBus Board of Directors approved the changes at its December 21, 2012 meeting.

### ***INDOT***

The Indiana Department of Transportation requests an amendment to program a statewide passive railroad crossing improvement project at various Norfolk Southern Railroad crossings throughout Indiana. The project involves installing new cross bucks (signs), reflectorized stripes, new yield or stop signs and possibly new posts if needed. This project upgrades the signage only at more than 550 railroad crossings.

INDOT will use Section 130 Federal funds for this project. There is no state match required. Preliminary engineering is anticipated to begin in 2013 with a cost of \$7,500. Construction is anticipated to be in 2014 with a cost of \$390,000. The project des number is 1005821.

The crossings in Tippecanoe County include:

<u>Crossing #</u>	<u>Location</u>
484268J	CR 800N
484324N	Burton Rd. <i>(by West Point)</i>
873112J	O'Farrell Rd <i>(W/ Belt Railway)</i>
873123W	Main Street <i>(by Alcoa)</i>
474781T	CR 1075E
474783G	CR 950E
474788R	Adams Rd. <i>(in Dayton)</i>
474795B	New Castle Rd.
480372P	Navco Dr. <i>(w/ Belt Railway)</i>

INDOT has requested that no funding information be shown in the TIP. This is a state wide project and if all the MPOs showed funding information the Indiana State Transportation Improvement Program (STIP) may be over programmed.

### **RECOMMENDATION:**

Staff recommends approval of these amendments to the FY 2012-2015 Transportation Improvement Program by adoption of the attached Resolution T-13-02.

The Technical Transportation Committee reviewed the requests from CityBus at its January 16, 2013 meeting and recommended adoption to the Area Plan Commission. The Committee will review INDOT's request at its February 20, 2013 meeting.

The Administrative Committee reviewed both requests at its February 12, 2013 meeting and recommended adoption to the Area Plan Commission.

*Section 5307 Capital Expenditures for CY 2013*

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1. REPLACEMENT BUS TIRES - \$62,500

*Des #1172687*

With over 1.5 million miles of service operated on an annual basis and mileage increasing due to the service agreement with Purdue University, this request constitutes replacement of tires on approximately 50% of the full size coaches. Six tires are required for each bus. The expected life of the tires is over one (1) year considering the average mileage run on each tire. Budgeted amount for tires for each unit is \$1,665.

2. BUS OVERHAUL

A. *Rebuild up to five (2) bus engines - \$12,500,*

*Des #1172688*

Based on 2010 and similar experience in previous years, CityBus anticipates the need for up to two (2)

B. *Rebuild up to three (4) bus transmissions - \$25,000,*

*Des #1172689*

Based on 2010 and similar experience in previous years, CityBus anticipates the need for up to four (4) transmission rebuilds.

C. *Bus rebuild components - \$25,000,*

*Des #1172690*

Replacement components: turbo charge units, charge air coolers, alternators, ECM's, outboard planetary differentials, fuel pumps, and brake units. Based on 2008 and similar experience, up to two (2) units of each item may be needed.

3. COMPUTER HARDWARE AND SOFTWARE UPGRADES- \$25,000

*Des #1172692*

A continuous investment must be made in up-to-date computer technology for administrative and maintenance employees. Many computer systems need to be replaced or updated every two to three years in order for employees and systems to operate efficiently and effectively.

4. MAINTENANCE EQUIPMENT - \$5,000

*Des #1382132*

Some maintenance equipment is in need of replacement, and due to new technology, some new equipment is needed to complete the varied types of repairs encountered by technicians. The proposed budget for this line item is \$5,000.

5. REHAB BUILDING OVERHEAD DOORS - \$25,000

*Des #1382131*

Glass panels and controllers on many of the overhead doors are in need of rehab or replacement after years of use seven (7) days a week. The proposed budget is \$25,000.

6. REPLACE OFFICE FURNISHINGS AND CARPETING - \$10,000

*Des #1382130*

Some office furnishings are over 35 years old and in need of replacement. The proposed budget for this line item is \$10,000.

7. REPLACEMENT FAREBOXES - \$325,000

*Des #1382133*

CityBus needs to replace the fareboxes on their fixed route buses. Technology upgrades will allow CityBus to increase fares in increments of less than \$1.00, accept fare cards in addition to bills and coins, and will recognize counterfeit coins which are found almost daily. This line item will replace approximately half of the fareboxes currently installed in the fixed route fleet. The proposed budget for this line item is \$325,000.

8. COMPRESSED NATURAL GAS (CNG) FUELING STATION - \$1,500,000

*Des #1382006*

CityBus desires to build a facility that will provide compressed natural gas (CNG) for CNG buses. This facility would be usable for the buses in the CityBus fleet and other municipalities that desire to refuel their CNG powered vehicles. This line item represents almost 49% of the total cost budgeted for the facility. The proposed budget for this line item is \$875,000.



9. SUPPORT VEHICLE - \$0,

Des #1172693

Replace the 2003 Ford Windstar. The support vehicle to be replaced was purchased in 2003. This vehicle will exceed the requirements of FTA Circular 9030.1A in terms of age for replacement.

10. BUS REPLACEMENT - \$1,826,000,

Des #1172694

Due to age and condition of several buses in the fleet, CityBus desires to purchase up to four (4) replacement full-sized transit buses. CityBus will replace the vehicles per FTA guidelines outlined in FTA Circular 9030.1A. The buses being replaced are over 12 years in age, and are becoming increasingly too expensive to maintain and be reliable. CityBus will replace Bus #1006 through #1009 (1998 (Gilligs).

<i>Project</i>	<i>Federal Share</i>	<i>Local Share</i>	<i>Total Cost</i>
Replacement Tires	50,000	12,500	62,500
Engine Rebuilds	10,000	2,500	12,500
Transmission Rebuilds	20,000	5,000	25,000
Bus Rebuild Components	20,000	5,000	25,000
Computer Hardware and Software Upgrades	20,000	5,000	25,000
Maintenance Equipment	4,000	1,000	5,000
Rehab Building Overhead Doors	20,000	5,000	25,000
Replace Office Furnishings & Carpet	8,000	2,000	10,000
Replace Fareboxes	260,000	65,000	325,000
CNG Fueling Station	1,200,000	300,000	1,500,000
Support Vehicle	0	0	0
Bus Replacement	1,460,800	365,200	1,826,000
<b>TOTAL</b>	<b>3,072,800</b>	<b>768,200</b>	<b>3,841,000</b>

THE

# Area Plan Commission

of TIPPECANOE COUNTY

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SALLIE DELL FAHEY  
EXECUTIVE DIRECTOR

March 19, 2013  
Ref. No.: 2013-080

Randy Walter, Transportation Planner/MPO Coordinator  
INDOT Room N955-LP  
100 North Senate Avenue  
Indianapolis, IN 46204-2249

Dear Randy:

On February 20, 2013, the Area Plan Commission amended the TIP per request of CityBus. The amendment involved a revision of its 2013 capital, operating and planning programs. The staff report stated that the federal operating assistance will be reduced from \$1,920,000 to \$1,000,000. The first amount included an additional \$500,000 from a trade of federal and local funds with MACOG that was amended into the TIP in January 2013.

The \$1,000,000 is incorrect and should have included \$500,000 from MACOG. The operating assistance should be \$1,500,000. Thus, this letter administratively modifies the TIP to correct the funding amount.

The TIP document will be updated and then placed on the APC web page: [www.tippecanoe.in.gov/APC](http://www.tippecanoe.in.gov/APC). We will notify you when this occurs. Please call if you have any questions or need additional information.

Sincerely,



Sallie Dell Fahey  
Executive Director