



City County Building, Suite 403 • 400 Main Street • Knoxville, Tennessee 37902
(865) 215-2500 • www.knoxtrans.org

July 26, 2019

Tennessee Department of Transportation
James K. Polk Building, Suite 600
505 Deaderick Street
Nashville, TN 37243-0349

SUBJECT: 17-2017-048 (Blount County Greenway Trail, Ph. 1)

Dear TDOT,

The TPO requests concurrence by TDOT to amend the FY 2017-2020 TIP concerning the following project:

Amendment 17-2017-048 (Blount County Greenway Trail, Ph. 1) - Amend project to revise the project limits and cost estimates. The west terminus is revised from Heritage Middle School to the Maryville City Limits at the northwest corner of Helton Road and US 231. PE-N is increased to \$250,551 (\$200,441 federal/\$50,110 local). PE-D is moved from FY 2019 to FY 2020 with no cost change. This amendment increases the total project cost to \$2,910,119.

This amendment has been incorporated into our FY 2017-2020 TIP. The project pages, expenditure summary sheet, air quality conformity determination approval (FHWA) and concurrence (EPA) letters, resolution and other pertinent information are included. Note that the expenditure summary is reflective of this project amendment only. Additional program expenditure changes also impacted by the July amendments will be transmitted with the appropriate amendment package. If you have any questions please contact me at (865) 215-3813.

Sincerely,

A handwritten signature in blue ink that reads "C. Luebke".

Craig Luebke
Transportation Planner

Knoxville Regional Transportation Planning Organization TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

ORIGINAL

TIP No.	17-2017-048	Revision No.	1	Mobility Plan No.	Consistent with Mobility Plan Goal 2
TDOT PIN	127121.00	STIP No.			
Project Name	Blount County Greenway Trail - Phase 1				
Lead Agency	Blount County				
Total Project Cost	\$1,161,741				

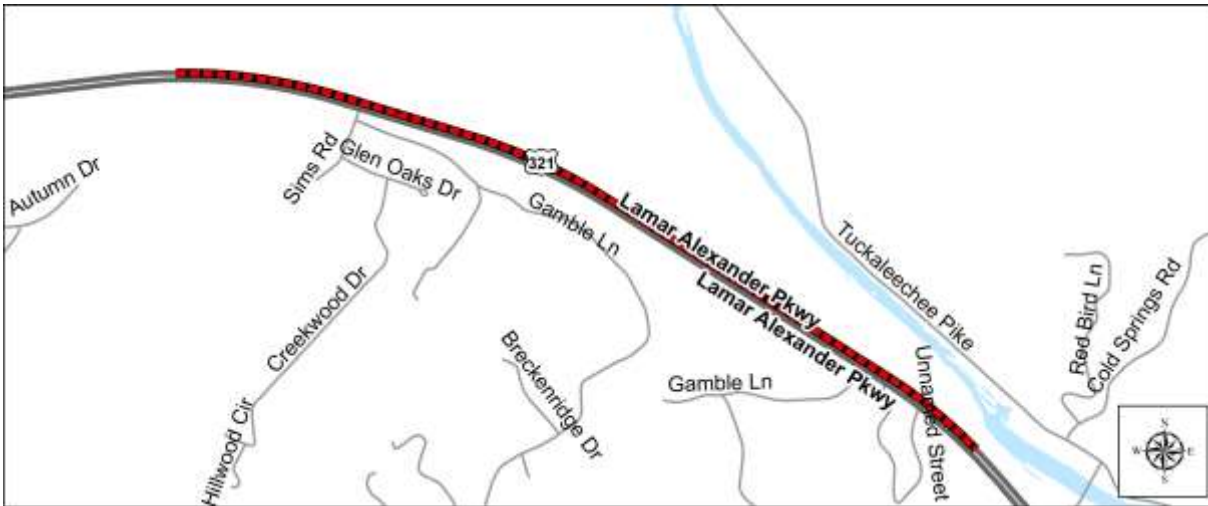
Project Description	Greenway trail contained completely within US Highway 321 right-of-way from Heritage High School to Perry's Mill Parking area. It will also include additional bike access link to Old Walland Highway across Melrose Station Bridge.				
Termini/Intersection	Heritage High School to Perry's Mill Parking area				
Counties	Blount				
City/Agency					
Length	2.27	(miles)	Conformity Status	Exempt	

Additional Details

Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PE-D	L-STBG	\$40,000	\$32,000	\$0	\$8,000	\$0
2019	PE-N	L-STBG-TA	\$160,000	\$128,000	\$0	\$32,000	\$0
Total			\$200,000	\$160,000	\$0	\$40,000	\$0

Revision Date	3/21/2019
Revision Details	Adjust project by revising scheduled PE-N/PE-D from FY 2018 to FY 2019, and to reflect \$40,000 L-STBG-TA (\$32,000 federal/\$8,000 local) for PE-D reprogrammed as L-STBG. The total project cost is unchanged.
Previous TIP No.	<input style="width: 500px; height: 15px;" type="text"/>



Knoxville Regional Transportation Planning Organization TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

AMENDED

TIP No.	17-2017-048	Revision No.	2	Mobility Plan No.	Consistent with Mobility Plan Goal 2	
TDOT PIN	127121.00	STIP No.				
Project Name	Blount County Greenway Trail - Phase 1					
Lead Agency	Blount County					
Total Project Cost	\$2,910,119					

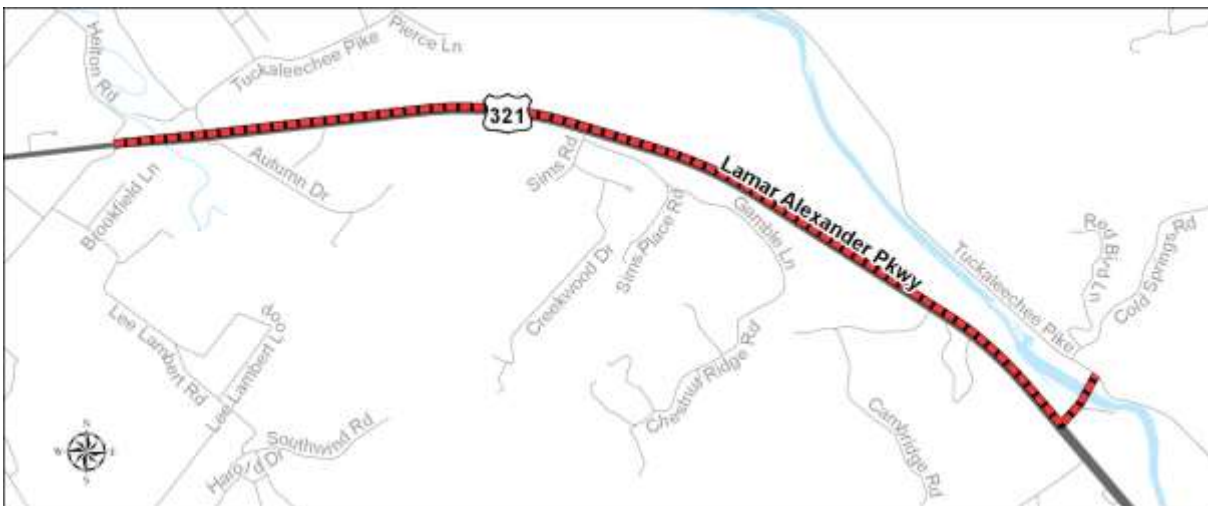
Project Description	Greenway trail contained completely within US Highway 321 right-of-way from Heritage High School to Perry's Mill Parking area. It will also include additional bike access link to Old Walland Highway across Melrose Station Bridge.				
Termini/Intersection	Maryville City Limits on US 321 at NW corner of Helton Rd. to Perry's Mill Parking area - also includes bike access link to Old Walland Hwy.				
Counties	Blount				
City/Agency					
Length	3.3	(miles)	Conformity Status	Exempt	

Additional Details

Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PE-N	L-STBG-TA	\$250,551	\$200,441	\$0	\$50,110	\$0
2020	PE-D	L-STBG	\$40,000	\$32,000	\$0	\$8,000	\$0
Total			\$290,551	\$232,441	\$0	\$58,110	\$0

Revision Date	7/24/2019
Revision Details	Amend project to revise the project limits and cost estimates. The west terminus is revised from Heritage Middle School to the Maryville City Limits at the northwest corner of Helton Road and US 231. PE-N is increased to \$250,551 (\$200,441 federal/\$50,110 local). PE-D is moved from FY 2019 to FY 2020 with no cost change. This amendment also increases the total project cost to \$2,910,119.
Previous TIP No.	<input style="width: 100%;" type="text"/>



KNOXVILLE REGIONAL TPO TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

ORIGINAL

Table 1. Summary of Programmed Revenues

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total	Share (%)
ACPHSIP	\$450,000	\$1,110,000	\$1,000,000	\$0	\$2,560,000	0.28
CMAQ	\$17,481,944	\$1,264,269	\$26,289,000	\$22,670,123	\$67,705,336	7.38
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.04
HIP	\$0	\$2,479,974	\$0	\$0	\$2,479,974	0.27
HPP	\$5,067,350	\$1,000,000	\$9,090,162	\$0	\$15,157,512	1.65
HSIP	\$4,585,888	\$11,592,360	\$8,000,000	\$3,467,360	\$27,645,608	3.01
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.07
LOCAL	\$36,500,000	\$8,165,000	\$199,738	\$0	\$44,864,738	4.89
L-STBG	\$30,994,115	\$19,364,092	\$25,200,748	\$18,652,502	\$94,211,457	10.27
L-STBG-TA	\$1,357,623	\$1,179,774	\$3,318,455	\$997,500	\$6,853,352	0.75
NHPP	\$182,596,884	\$101,179,693	\$176,127,000	\$43,976,577	\$503,880,154	54.94
PHSIP	\$3,101,500	\$6,636,500	\$1,101,500	\$601,500	\$11,441,000	1.25
PRIVATE	\$0	\$1,800,000	\$36,000	\$0	\$1,836,000	0.20
RNHPP	\$11,566,043	\$0	\$4,236,062	\$0	\$15,802,105	1.72
RPHSIP	\$1,200,000	\$3,324,800	\$900,000	\$0	\$5,424,800	0.59
SECTION 5307	\$16,940,427	\$8,584,499	\$8,592,575	\$8,592,575	\$42,710,076	4.66
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.50
SECTION 5339	\$1,514,698	\$1,013,641	\$762,616	\$762,616	\$4,053,571	0.44
SECTION 5339b	\$0	\$4,500,000	\$0	\$0	\$4,500,000	0.49
S-STBG	\$20,995,697	\$15,599,521	\$12,650,021	\$3,399,521	\$52,644,760	5.74
S-STBG-TA	\$0	\$1,263,681	\$4,569,097	\$890,565	\$6,723,343	0.73
STA	\$0	\$359,770	\$762,500	\$0	\$1,122,270	0.12
Total	\$337,081,673	\$191,548,963	\$283,640,863	\$104,816,228	\$917,087,726	100.00
Federal	\$240,959,498	\$146,554,275	\$225,317,995	\$88,006,133	\$700,837,901	76.42
State	\$46,311,570	\$31,442,916	\$45,248,990	\$12,266,468	\$135,269,944	14.75
Local	\$49,810,604	\$11,751,772	\$7,606,877	\$4,543,627	\$73,712,880	8.04
Other	\$0	\$1,800,000	\$5,467,000	\$0	\$7,267,000	0.79

Table 2. Summary of Programmed Expenditures

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total	Share (%)
ACPHSIP	\$450,000	\$1,110,000	\$1,000,000	\$0	\$2,560,000	0.28
CMAQ	\$17,481,944	\$1,264,269	\$26,289,000	\$22,670,123	\$67,705,336	7.38
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.04
HIP	\$0	\$2,479,974	\$0	\$0	\$2,479,974	0.27
HPP	\$5,067,350	\$1,000,000	\$9,090,162	\$0	\$15,157,512	1.65
HSIP	\$4,585,888	\$11,592,360	\$8,000,000	\$3,467,360	\$27,645,608	3.01
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.07
LOCAL	\$36,500,000	\$8,165,000	\$199,738	\$0	\$44,864,738	4.89
L-STBG	\$30,994,115	\$19,364,092	\$25,200,748	\$18,652,502	\$94,211,457	10.27
L-STBG-TA	\$1,357,623	\$1,179,774	\$3,318,455	\$997,500	\$6,853,352	0.75
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STA	\$0	\$359,770	\$762,500	\$0	\$1,122,270	0.12
Total	\$337,081,673	\$191,548,963	\$283,640,863	\$104,816,228	\$917,087,726	100.00
Federal	\$240,959,498	\$146,554,275	\$225,317,995	\$88,006,133	\$700,837,901	76.42
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KNOXVILLE REGIONAL TPO TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

AMENDED

Table 1. Summary of Programmed Revenues

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total	Share (%)
ACPHSIP	\$450,000	\$1,110,000	\$1,000,000	\$0	\$2,560,000	0.28
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Other	\$0	\$1,800,000	\$5,467,000	\$0	\$7,267,000	0.79

NOTE: Financial tables run on 6/21/2019 and reflect:
 FY 2019 - L-STBG: -\$40,000
 FY 2020 - L-STBG: +\$40,000
 FY 2019 - L-STBG-TA: +\$90,551



TRANSPORTATION IMPROVEMENT PROGRAM Transportation Conformity Summary Report

Project Amendment:

On July 24, 2019, the Knoxville Regional TPO Executive Board voted to approve the following amendment to the Knoxville Regional FY 2017– 2020 Transportation Improvement Program (TIP)

TIP #	LRTP #	Project Name	Conformity Status
17-2017-048	Consistent w/ Mobility Plan	Blount County Greenway Ph. 1	Exempt

Air Quality Conformity Status:

This amendment does not trigger the need for a conformity determination because the action is exempt from conformity per 40 CFR 93.126 or are not subject to conformity.

Metropolitan Transportation Planning Process Certification:

The Knoxville TPO Planning Process certification is included and certifies that every four years the transportation planning process addresses the major issues in the metropolitan planning area and is conducted in accordance with all applicable requirements.

Resolution:

The adopting resolution for this project and air quality conformity determination is included.

Public Participation:

Public participation processes were in accordance with the Knoxville TPO's federally approved Public Participation Plan. Two public hearings were held on July 9, 2019 at the TPO Technical Committee Meeting, followed by July 24, 2019 at the TPO Executive Board meeting. No public comments were received.

Interagency Consultation:

The Knoxville Air Quality Interagency Consultation (IAC) group was consulted on July 2, 2019 regarding the conformity exempt status of the amendment. There was agreement from the group regarding the Knoxville TPO staff's exempt assessment of this project based on IAC correspondence. The required 14-day IAC review period was from July 2, 2019 to July 16, 2019. IAC email correspondence regarding the amendment is included.



U.S. Department
of Transportation
**Federal Highway
Administration**

Tennessee Division

November 19, 2018

404 BNA Drive, Suite 508
Nashville, Tennessee 37217
Phone (615) 781-5770

Ms. Tanisha Hall
Director, Long Range Planning Division
Tennessee Department of Transportation
James K. Polk Building, Suite 900
Nashville, TN 37243

In Reply Refer To:
HPD-TN

Subject: Air Quality Conformity Determination for Knoxville, Tennessee

Dear Ms. Hall:

The Federal Highway Administration (FHWA) Tennessee Division and Federal Transit Administration (FTA) Region IV Office, in coordination with the Environmental Protection Agency (EPA) Region IV Office, have reviewed the Air Quality Conformity Determination Report adopted by the Knoxville Regional Transportation Planning Organization (TPO) Executive Board on October 24, 2018 and the Lakeway Metropolitan Transportation Planning Organization (MTPO) Executive Board on October 26, 2018.

The Air Quality Conformity Determination addresses the planned transportation improvements from the Knoxville TPO's amended Mobility Plan 2040; the Knoxville TPO's amended Fiscal Year (FY) 2017-2020 Transportation Improvement Program (TIP); and the Lakeway MTPO's 2040 Long Range Transportation Plan and FY 2017-2020 TIP. This determination covers the Knoxville, TN maintenance area for the 2006 Daily PM_{2.5} and 2008 8-hour ozone National Ambient Air Quality Standards (NAAQS) as well as the former maintenance area for the 1997 ozone NAAQS in accordance with FHWA's *Updated Interim Guidance on Conformity Requirements for the 1997 Ozone NAAQS*.

Based on our review, we find the above-referenced documents meet the transportation conformity requirements at 40 CFR Part 93 and associated guidance.

FHWA and FTA appreciate the efforts of the Tennessee Department of Transportation (TDOT), Tennessee Department of Environment and Conservation (TDEC), the Knoxville Regional TPO and the Lakeway MTPO in fully addressing the unexpected transportation conformity requirements associated with the 1997 Ozone NAAQS.

If you have any questions regarding this determination, please contact me at (615) 781-5767.

Sincerely,



Sean Santalla
Planning & Air Quality Specialist

cc: Mr. Tom Taylor, Executive Board Chair, Knoxville Regional TPO
Mr. Mark Potts, Executive Board Chair, Lakeway MTPO
Ms. Theresa Claxton, Program Development Team Leader, FHWA TN Division
Mr. Andres Ramirez, Community Planner, FTA Region IV
Ms. Kelly Sheckler, Environmental Scientist, EPA Region IV
Ms. Dianna Myers, Environmental Scientist, EPA Region IV
Mr. Larry McGoogin, Comprehensive Planning Assistant Director, TDOT
Mr. Kwabena Aboagye, OCT Planning Manager, TDOT
Mr. Troy Ebbert, OCT Region 1 Planning Supervisor, TDOT
Ms. Deborah Fleming, Senior Regional Planner, TDOT
Mr. Jeff Welch, Director, Knoxville Regional TPO
Mr. Mike Conger, Senior Transportation Engineer, Knoxville Regional TPO
Mr. Richard DesGroseilliers, MTPO Coordinator, Lakeway MTPO
Mr. Marc Corrigan, Environmental Consultant, TDEC

**METROPOLITAN TRANSPORTATION PLANNING PROCESS
CERTIFICATION**

In accordance with 23 CFR 450.334, the Knoxville Regional Transportation Planning Organization for the Knoxville Urbanized Area hereby certify every four years that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

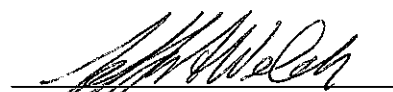
- I. 23 U.S.C. 134, 49 U.S.C. Section 5303 (Highway and Transit);
- II. In non-attainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended 942 U.S.C 7504 and 7506 (c) and (d) and 40 CFR part 93;
- III. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C 2000d-1) and 49 CFR part 21;
- IV. 49 U.S.C. 5332, prohibiting discrimination, on the basis of race, color, creed, national origin, sex or age in employment or business opportunity;
- V. Section 1101 (b) of the FAST ACT (Pub. L. 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT (United States Department of Transportation) funded projects;
- VI. 23 CFR Part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- VII. Provisions of the American with Disabilities Act of 1990 (42 U.S.C 12101 et.Seq) and 49 CFR parts 27, 37 and 38;
- VIII. The Older Americans Act, as amended (42 U.S.C 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- IX. Section 324 of title 23 U.S.C regarding the prohibition of discrimination based on gender; and
- X. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

October 26, 2016

Date



Mayor Madeline Rogero
City of Knoxville
TPO Executive Board Chair



Jeffrey A. Welch
Director, Knoxville Regional TPO

**A RESOLUTION BY THE EXECUTIVE BOARD
OF THE KNOXVILLE REGIONAL
TRANSPORTATION PLANNING ORGANIZATION (TPO)
AMENDING THE FY 2017-2020 TRANSPORTATION IMPROVEMENT PROGRAM**

WHEREAS, the FY 2017-2020 Knoxville Regional Transportation Improvement Program was adopted on October 26, 2016; and

WHEREAS, in accordance with requirements of the U.S. Department of Transportation, the elements of the transportation planning process are to receive final approval from the Executive Board of the local Metropolitan Planning Organization; and

WHEREAS, the Transportation Improvement Program must be updated as needed; and

WHEREAS, the proposed project amendments were reviewed with the Knoxville-Area Air Quality Interagency Consultation Group with respect to air quality conformity requirements and are either exempt from, or were demonstrated to conform with the federal transportation air quality conformity regulations from the Clean Air Act; and

WHEREAS, a short conformity determination report was prepared for the air quality non-exempt project amendments which concluded that air quality conformity was demonstrated by relying on a previous regional emissions analysis; and

WHEREAS, the amended FY2017-2020 TIP was updated consistent with the Mobility Plan 2040; and

WHEREAS, the Knoxville Regional Transportation Planning Organization Technical Committee recommends approval of the Resolution, and

NOW, THEREFORE, BE IT RESOLVED BY THE KNOXVILLE REGIONAL TRANSPORTATION PLANNING ORGANIZATION EXECUTIVE BOARD;

That the FY 2017-2020 Transportation Improvement Program be amended to include the following changes and that the Tennessee Department of Transportation include these amendments into the State Transportation Improvement Program:

Attachment #3B - Amendment 17-2017-057 (Pellissippi Parkway at Oak Ridge Hwy Interchange) - Amend the TIP by adding this project. The project programs \$1,700,000 (\$1,360,000 federal/\$340,000 state) NHPP funding in FY 2019.

Attachment #3C - Amendment 17-2017-058 (Broadway DSRC & Enhanced Detection Traffic Signal Improvements) - Amend the TIP by adding this project. The project programs \$1,845,000 CMAQ funding in FY 2020.

Attachment #3D - Amendment 17-201-059 (Chapman Highway DSRC & Enhanced Detection Traffic Signal Improvements) - Amend the TIP by adding this project. The project programs \$1,194,000 CMAQ funding in FY 2020.

Attachment #3E - Amendment 17-2017-060 (Kingston Pike DSRC and Enhanced Detection Traffic Signal Improvements) - Amend the TIP by adding this project. The project programs \$3,321,000 CMAQ funding in FY 2020.

Attachment #3F - Amendment 17-2017-061 (Traffic Signal Improvements for the U.T. Area) - Amend the TIP by adding this project. The project programs \$210,323 CMAQ funding in FY 2020.

Attachment #3G - Amendment 17-2017-062 (Lenoir City CMAQ ITS - Ph. II) - Amend the TIP by adding this project. The project programs \$5,000 CMAQ in FY 2019 and \$2,305,400 CMAQ in FY 2020.

Attachment #3H - Amendment 17-2017-063 (Knox County Advanced Traffic Management System – Ph. II) - Amend the TIP by adding this project. The project programs \$1,547,000 CMAQ in FY 2020.

Attachment #3I - Amendment 17-2017-024 (Town of Farragut Traffic Management System: Ph. 1) - Amend project to add funding to cover full scope of project. \$20,000 CMAQ is added in FY 2019 and \$6,580,000 CMAQ (\$2,505,000 existing federal/\$4,000,000 new federal/ \$75,000 local) is programmed in FY 2020. The total project cost is increased from \$2,925,000 to \$7,020,000.

Attachment #3J - Amendment 17-2017-064 (City of Oak Ridge Signal Timing Optimization Program - Ph. III) - Amend the TIP by adding this project. The project programs \$400,000 CMAQ in FY 2020.

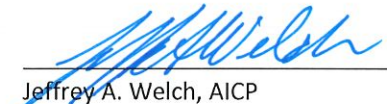
Attachment #3K - Amendment 17-2017-048 (Blount County Greenway - Ph. 1) - Amend project to revise the project limits and cost estimates. The west terminus is revised from Heritage Middle School to the Maryville City Limits at the northwest corner of Helton Road and US 231. PE-N is increased to \$250,551 L-STBG-TA (\$200,441 federal/\$50,110 local). PE-D is moved from FY 2019 to FY 2020 with no cost change. This amendment also increases the total project cost to \$2,910,119.

July 24, 2019

Date



Mayor Thomas Taylor
City of Maryville
TPO Executive Board Chair



Jeffrey A. Welch, AICP
Director
Knoxville Regional TPO



Craig Luebke <craig.luebke@knoxplanning.org>

Re: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

1 message

Mike Conger <mike.conger@knoxplanning.org>

Wed, Jul 24, 2019 at 4:47 PM

To: "Santalla, Sean (FHWA)" <sean.santalla@dot.gov>

Cc: "Liles, Holly (FTA)" <holly.liles@dot.gov>, "Mitchell, Stanley" <stanley.a.mitchell@dot.gov>, Alan Jones <alan.jones@tn.gov>, "Ramirez, Andres (FTA)" <andres.ramirez@dot.gov>, Brian Rivera <brivera@aqm.co.knox.tn.us>, Coby Webster <cwebster@aqm.co.knox.tn.us>, Craig Luebke <craig.luebke@knoxplanning.org>, Darlene Reiter <darlene.reiter@tn.gov>, Deborah Fleming <deborah.fleming@tn.gov>, Dianna Myers <myers.dianna@epa.gov>, Greg Riggs <Greg.Riggs@tn.gov>, Jeff Welch <jeff.welch@knoxplanning.org>, Jim Renfro <jim_renfro@nps.gov>, "Lynne A. Liddington" <lalidding@aqm.co.knox.tn.us>, Lynorae Benjamin <benjamin.lynorae@epamail.epa.gov>, Marc Corrigan <marc.corrigan@tn.gov>, "Nancy.Hirsch@tn.gov" <Nancy.Hirsch@tn.gov>, Rashad Pinckney <rashad.pinckney@tn.gov>, "richd@mymorristown.com" <richd@mymorristown.com>, Richard Monteith <Monteith.Richard@epa.gov>, Richard Wong <wong.richard@epa.gov>, Robert Hayzlett <Robert.Hayzlett@tn.gov>, Ronnie Porter <ronnie.porter@tn.gov>, "Sheckler.Kelly@epa.gov" <sheckler.kelly@epa.gov>, "teresa_cantrell nps.gov" <teresa_cantrell@nps.gov>, "Claxton, Theresa (FHWA)" <Theresa.Claxton@dot.gov>, "Troy J. Ebbert" <troy.j.ebbert@tn.gov>, "Walther, Katherine" <Walther.Katherine@epa.gov>

All,

I have one final follow-up on this set of TIP amendments and in particular **Project 17-2017-063 (Knox County Advanced Traffic Management System - Phase II)**. I really apologize for the confusion on this project, but I have one more clarification to provide the group. This is now the third iteration for this particular project in terms of the project description details, but nothing significant is changing. I'm attaching the final TIP Profile Page to this email and below is a summary of the three different versions it has gone through. There has been agreement as to the Exempt status of this project all along from the IAC Group and the final description is still consistent with the prior ones, it just simplifies things by removing some of the minor details and also cleans up aspects that really belong with the Phase 1 project for which cost overruns had been incurred. The dollar amount to cover cost overruns is being pulled out and it will instead be added to the separate Phase 1 TIP project (Project ID 17-2014-229) and that change will be made through an Administrative Modification process, i.e. not requiring a formal TIP amendment.

Since this is not a major change from the past project scope that has been reviewed by IAC, and this TIP amendment was already heard and approved by the TPO Executive Board at their meeting earlier today I am proposing to address this through a "for your information" type of notice rather than requiring another 14-day IAC review period. If there are concerns with this approach however please let me know as soon as possible.

Apologies again for the moving target on this one as we worked with multiple agencies to get the proper scope and details nailed down, thanks,

Mike Conger

First Version to IAC

Description: Phase II includes installation of new traffic signal controllers, DSRC units, non-intrusive detection, wireless interconnect, malfunction management units (MMU), battery backups and the development of coordinated timings at twenty-three (23) intersections. Phase I overruns included for 11 signal controllers and MMUs, central signal software and DSRC.

Termini: Phase II - Kingston Pk (2), Lovell Rd (11), Watt Rd (2), Hardin Valley Rd (2), Middlebrook Pk (2), S. Peters Rd (1) and Ebenezer Rd (3). Phase I Additions - Cedar Bluff Rd (5) and Maynardville Pk (11) and Norris Fwy (1)

Second Version to IAC

Description: Ph. II includes a variety of signal improvements at four (4) additional intersections, but it will also compliment elements that were proposed in Ph. I. Proposed improvements included in Ph. II are the installation of new traffic signal controllers, dedicated short-range communication (DSRC) units, nonintrusive fish-eye video detection, wireless interconnect, malfunction management units (MMU), battery backups, new signal cabinets, and the development of coordinated timings. Ph. I overruns included for 11 signal controllers and MMUs, central signal software for the establishment of a Traffic Operations Center (TOC) and development of coordinated signal timings. Additionally, Ph. II proposes to add DSRC units, which were not previously proposed in Ph. I, within eleven (11) signal cabinets that are included in Ph. I

Termini: Phase II - E. Emory Rd. (SR131) at Andersonville Pike, Norris Freeway (SR71/US4 441) at Sam Walton Way, Watt Rd I-40 EB and WB ramps. Phase I Additions - Maynardville Pk (10) and Norris Fwy (1)

Final Version

Description: Installation of DSRC, video detection, and battery backups at all ten intersections from Phase I, and five new intersections; retime all 15 intersections; and install new signal cabinets and wireless interconnect at four new signals.

Termini: Phase II - E. Emory Rd. (SR131) at Andersonville Pike, Norris Freeway (SR71/US4 441) at Sam Walton Way, Watt Rd I-40 EB and WB ramps, Maynardville Pk (SR 33/US 441) at Andersonville Pk. Phase I Additions - Maynardville Pk (9) and Norris Fwy (1)

On Wed, Jul 24, 2019 at 1:17 PM Santalla, Sean (FHWA) <sean.santalla@dot.gov> wrote:

Mike,

Thank you for the opportunity to review. FHWA has reviewed and concurs with the TPO's determination that the described projects are exempt from transportation conformity.

Thanks,

Sean Santalla

Planning & Air Quality Specialist

FHWA Tennessee Division

404 BNA Drive, Bldg 200, Ste 508
Nashville, TN 37217

615-781-5767

From: Mike Conger [mailto:mike.conger@knoxplanning.org]

Sent: Wednesday, July 10, 2019 12:21 PM

To: Liles, Holly (FTA) <holly.liles@dot.gov>; Mitchell, Stanley <stanley.a.mitchell@dot.gov>; Alan Jones <alan.jones@tn.gov>; Ramirez, Andres (FTA) <andres.ramirez@dot.gov>; Brian Rivera <brivera@aqm.co.knox.tn.us>; Coby Webster <cwebster@aqm.co.knox.tn.us>; Craig Luebke <craig.luebke@knoxplanning.org>; Darlene Reiter <darlene.reiter@tn.gov>; Deborah Fleming <deborah.fleming@tn.gov>; Dianna Myers <myers.dianna@epa.gov>; Greg Riggs <Greg.Riggs@tn.gov>; Jeff Welch <jeff.welch@knoxplanning.org>; Jim Renfro <jim_renfro@nps.gov>; Lynne A. Liddington <lalidding@aqm.co.knox.tn.us>; Lynora Benjamin <benjamin.lynora@epa.gov>; Marc Corrigan <marc.corrigan@tn.gov>; Mike Conger <mike.conger@knoxtrans.org>; Nancy Hirsch <n.hirsch@tn.gov>; Rashad Pinckney <rashad.pinckney@tn.gov>; richd mymorristown.com <richd@mymorristown.com>; Richard Monteith <Monteith.Richard@epa.gov>; Richard Wong <wong.richard@epa.gov>; Robert Hayzlett <Robert.Hayzlett@tn.gov>; Ronnie Porter <ronnie.porter@tn.gov>; Santalla, Sean (FHWA) <sean.santalla@dot.gov>; Sheckler, Kelly <kelly.sheckler@epa.gov>; teresa_cantrell nps.gov <teresa_cantrell@nps.gov>; Claxton, Theresa (FHWA) <Theresa.Claxton@dot.gov>; Troy J. Ebbert <troy.j.ebbert@tn.gov>; Walther, Katherine <Walther.Katherine@epa.gov>

Subject: Re: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

All,

I need to make the group aware that there has been a relatively minor modification to the scope of one of the projects in the list that I sent previously. It is for project #6 in the list - **Project 17-2017-063 (Knox County Advanced Traffic Management System - Phase II)**. I've attached the new project page to this email and it includes a copy of the incorrect page for reference as well. The change occurred due to a misunderstanding of the final scope of the project from what the initial project application included, which had to be pared back based on the final dollar amount that was awarded. Essentially the new project description involves the same overall scope of work, but at fewer intersections. I will extend the IAC review period to 2-weeks from today based on this change, so please let me know any comments or questions regarding the conformity status of this or any of the other proposed amendments by **Wednesday, July 24, 2019**. Thanks,

Mike

On Tue, Jul 2, 2019 at 3:16 PM Mike Conger <mike.conger@knoxplanning.org> wrote:

Knoxville IAC Members,

The Knoxville Regional TPO Executive Board will be hearing a total of ten (10) amendments to the FY 2017-2020 TIP at their July 24, 2019 meeting. Note that one of the amendments is for the project that has already been reviewed by the IAC group as an air quality non-exempt project with a short conformity report (SCR) to demonstrate conformity, and the SCR is currently out for public review and comment so that project amendment information is not included in this email. Also note that item #'s 1 - 8 in the summary list below are for eight projects that were recently awarded Congestion Mitigation and Air Quality (CMAQ) improvement funds by TDOT following its 2018 "Mini-Round" grant competition. You will see the acronym DSRC in several of the CMAQ projects, this refers to "Dedicated Short-Range Communications" and involves installation of radio equipment in the traffic signal cabinet to allow for potential "Connected Vehicle" applications whereby properly equipped vehicles are able to receive real-time information (speed, light phasing, etc) from the signal and vice versa. Following are brief descriptions of each amendment and attached is a packet with all of the project profile pages with additional information including financial constraint.

1.) (NEW) Project 17-2017-058 (Broadway DSRC and Enhanced Detection Traffic Signal Improvements) - Amend the TIP by adding this project. Project involves signal upgrades at existing installations including DSRC, data probing hardware, enhanced vehicle detection, battery backup, etc. from Jackson Ave to Colonial Circle and 3 other spot locations on Tazewell Pk/Old Broadway (30 traffic signals total). The project programs \$1,845,000 CMAQ funding in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

2.) (NEW) Project 17-2017-059 (Chapman Hwy DSRC and Enhanced Detection Traffic Signal Improvements) - Amend the TIP by adding this project. Project involves signal upgrades at existing installations including DSRC, data probing hardware, enhanced vehicle detection, battery backup, etc. from Blount Ave to Mountain Grove Dr (17 traffic signals). The project programs \$1,194,000 CMAQ funding in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

3.) (NEW) Project 17-2017-060 (Kingston Pike DSRC and Enhanced Detection Traffic Signal Improvements) - Amend the TIP by adding this project. Project involves signal upgrades at existing installations including DSRC, data probing hardware, enhanced vehicle detection, battery backup, etc. from Cherokee Blvd to Huxley Rd and 3 signals on West Town Way (44 traffic signals total). The project programs \$3,321,000 CMAQ

funding in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

4.) (NEW) Project 17-2017-061 (Traffic Signal Improvements for the U.T. Area) - Amend the TIP by adding this project. Addition of following elements: an ATMS data server, DSRC capable ATC controllers, high speed wireless network, and radio equipment. This proposal will increase ATMS capabilities and decrease traffic delay by being better able to sense traffic flow and provide SPaT and related data sharing features involving 39 total traffic signals. The project programs \$210,323 CMAQ in FY 2020 This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

5.) (NEW) Project 17-2017-062 (Lenoir City CMAQ ITS Phase II) - Amend the TIP by adding this project. The proposed project is a Phase II to the Lenoir City CMAQ ITS. It includes additional features not included in Phase I to enhance traffic flow and to reduce emissions. DSRC with Advanced Traffic Controllers with cellular modems / batteries will be installed along with radar detection devices at 22 traffic signals. The project programs \$5,000 CMAQ in FY 2019 and \$2,305,400 CMAQ in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

6.) (NEW) Project 17-2017-063 (Knox County Advanced Traffic Management System - Phase II) - Amend the TIP by adding this project. Phase II includes installation of new traffic signal controllers, DSRC units, non-intrusive detection, wireless interconnect, malfunction management units (MMU), battery backups and the development of coordinated timings at twenty-three (23) intersections. Phase I overruns included for 11 signal controllers and MMUs, central signal software and DSRC. The project programs \$1,857,000 CMAQ in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

7.) Project 17-2017-024 (Town of Farragut Advanced Traffic Management System Phase 1) - Amend project to add funding to cover full scope of project. \$20,000 CMAQ is added in FY 2019 and \$6,580,000 CMAQ (\$2,505,000 existing federal/\$4,000,000 new federal/\$75,000 local) is programmed in FY 2020. The total project cost is increased from \$2,925,000 to \$7,020,000. This project was previously determined to be Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

8.) (NEW) Project 17-2017-064 (Oak Ridge Signal Timing Optimization Program: Phase III) - Amend the TIP by adding this project. Primary elements of include the installation of advanced traffic controllers (ATC) at ten (10) intersections, the installation/replacement of wireless interconnect at eleven (11) intersections, the replacement of loop detectors with non-intrusive radar vehicle detection at ten (10) intersections, installation of dedicated short-range communications (DSRC) equipment at eleven (11) intersections and the installation of flashing yellow arrow signal heads at ten (10) intersections. Additional improvements include replacing signal heads with more efficient LED signal heads, installing accessible pedestrian signals at all intersections, signing and marking upgrades, and the reconstruction of curb ramps that are not ADA compliant. The project programs \$400,000 CMAQ in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.

9.) Project 17-2017-048 (Blount County Greenway Trail - Phase 1) - Amend project to revise the project limits and cost estimates. The west terminus is revised from Heritage Middle School to the Maryville City Limits at the northwest corner of Helton Road and US 231. PE-N is increased to \$250,551 (\$200,441 federal/\$50,110 local). PE-D is moved from FY 2019 to FY 2020 with no cost change. This amendment also increases the total project cost to \$2,910,119. This project was previously considered Conformity Exempt as per 40 CFR 93.126 (Air Quality) as it is a bicycle and pedestrian facility.

In summary, it is the TPO staff's opinion that the above listed proposed TIP amendments do not trigger the need for a conformity determination because these projects/actions are exempt from conformity for the reasons noted above. Also, the TPO staff have determined that the project amendments meet financial constraint requirements. Please review this information and provide any comments regarding air quality conformity implications or let me know if you have any questions or need further clarification on any of the projects. If I do not hear anything within two (2) weeks (**by Tuesday, July 16, 2019**) we will assume that you concur that these amendments are exempt from transportation conformity.

Thanks,

Mike

--

Mike Conger, P.E.

Senior Transportation Engineer

865.215.3813



Knoxville Regional TPO | Knoxville-Knox County Planning

400 Main Street, Suite 403 | Knoxville, TN 37902

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Senior Transportation Engineer

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400 Main Street, Suite 403 | Knoxville, TN 37902

 17-2017-063_final.pdf
31K



Craig Luebke <craig.luebke@knoxplanning.org>

RE: [EXTERNAL] Re: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

1 message

Marc Corrigan <Marc.Corrigan@tn.gov>

Wed, Jul 10, 2019 at 4:22 PM

To: Mike Conger <mike.conger@knoxplanning.org>, "Holly.Peterson@dot.gov" <Holly.Peterson@dot.gov>, "Stanley.A.Mitchell@dot.gov" <Stanley.A.Mitchell@dot.gov>, Alan Jones <Alan.Jones@tn.gov>, "Andres Ramirez (FTA)" <andres.ramirez@dot.gov>, Brian Rivera <brivera@aqm.co.knox.tn.us>, Coby Webster <cwebster@aqm.co.knox.tn.us>, Craig Luebke <craig.luebke@knoxplanning.org>, Darlene Reiter <Darlene.Reiter@tn.gov>, Deborah Fleming <Deborah.Fleming@tn.gov>, Dianna Myers <myers.dianna@epa.gov>, Greg Riggs <Greg.Riggs@tn.gov>, Jeff Welch <jeff.welch@knoxplanning.org>, Jim Renfro <jim_renfro@nps.gov>, "Lynne A. Liddington" <lalidding@aqm.co.knox.tn.us>, Lynorae Benjamin <benjamin.lynorae@epamail.epa.gov>, Mike Conger <mike.conger@knoxtrans.org>, Nancy Hirsch <Nancy.Hirsch@tn.gov>, Rashad Pinckney <Rashad.Pinckney@tn.gov>, Rich D <richd@mymorristown.com>, Richard Monteith <Monteith.Richard@epa.gov>, Richard Wong <wong.richard@epa.gov>, Robert Hayzlett <Robert.Hayzlett@tn.gov>, Ronnie Porter <Ronnie.Porter@tn.gov>, "Sean Santalla (FHWA)" <sean.santalla@dot.gov>, "Sheckler.Kelly@epa.gov" <sheckler.kelly@epa.gov>, Teresa Cantrell <teresa_cantrell@nps.gov>, Theresa Claxton <theresa.claxton@dot.gov>, "Troy J. Ebbert" <Troy.J.Ebbert@tn.gov>, "Walther, Katherine" <Walther.Katherine@epa.gov>

Mike,

Thanks for the opportunity to review the projects described below. The TAPCD agrees with the TPO's determination that the projects described below are exempt from transportation conformity.

Marc

**Marc Corrigan** | Environmental Consultant

Air Pollution Control Division

Tennessee Tower, 15th Floor

312 Rosa L. Parks Ave., Nashville, TN 37243

p. 615-532-0616

Marc.Corrigan@tn.govtn.gov/environment

We value your opinion. Please take a few

minutes to [complete our customer service survey](#).**From:** Mike Conger [mailto:mike.conger@knoxplanning.org]**Sent:** Wednesday, July 10, 2019 12:21 PM**To:** Holly.Peterson@dot.gov; Stanley.A.Mitchell@dot.gov; Alan Jones; Andres Ramirez (FTA); Brian Rivera; Coby Webster; Craig Luebke; Darlene Reiter; Deborah Fleming; Dianna Myers; Greg Riggs; Jeff Welch; Jim Renfro; Lynne A. Liddington; Lynorae Benjamin; Marc Corrigan; Mike Conger; Nancy Hirsch; Rashad Pinckney; Rich D; Richard Monteith; Richard Wong; Robert Hayzlett; Ronnie Porter; Sean Santalla (FHWA); Sheckler.Kelly@epa.gov; Teresa Cantrell; Theresa Claxton; Troy J. Ebbert; Walther, Katherine**Subject:** [EXTERNAL] Re: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

*** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. ***

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Mike

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Mike Conger, P.E.

Senior Transportation Engineer

865.215.3813



Knoxville Regional TPO | Knoxville-Knox County Planning

400 Main Street, Suite 403 | Knoxville, TN 37902

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7/26/2019

Knoxville - Knox County Planning Mail - RE: [EXTERNAL] Re: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

Knoxville Regional TPO | Knoxville-Knox County Planning

400 Main Street, Suite 403 | Knoxville, TN 37902



Craig Luebke <craig.luebke@knoxplanning.org>

RE: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

1 message

Sheckler, Kelly A. <Sheckler.Kelly@epa.gov>

Wed, Jul 3, 2019 at 7:20 AM

To: Mike Conger <mike.conger@knoxplanning.org>, "Holly.Peterson@dot.gov" <Holly.Peterson@dot.gov>, "Stanley.A.Mitchell@dot.gov" <Stanley.A.Mitchell@dot.gov>, "alan.jones@tn.gov" <alan.jones@tn.gov>, "Andres Ramirez (FTA)" <andres.ramirez@dot.gov>, Brian Rivera <brivera@aqm.co.knox.tn.us>, "cwebster@aqm.co.knox.tn.us" <cwebster@aqm.co.knox.tn.us>, Craig Luebke <craig.luebke@knoxplanning.org>, Darlene Reiter <darlene.reiter@tn.gov>, Deborah Fleming <deborah.fleming@tn.gov>, "Myers, Dianna" <Myers.Dianna@epa.gov>, Greg Riggs <Greg.Riggs@tn.gov>, Jeff Welch <jeff.welch@knoxplanning.org>, Jim Renfro <jim_renfro@nps.gov>, "Lynne A. Liddington" <lalidding@aqm.co.knox.tn.us>, "Benjamin, Lynorae" <benjamin.lynorae@epa.gov>, Marc Corrigan <marc.corrigan@tn.gov>, Mike Conger <mike.conger@knoxtrans.org>, "Nancy.Hirsch@tn.gov" <Nancy.Hirsch@tn.gov>, Rashad Pinckney <rashad.pinckney@tn.gov>, Rich D <richd@mymorristown.com>, "Monteith, Richard" <Monteith.Richard@epa.gov>, "Wong, Richard" <Wong.Richard@epa.gov>, Robert Hayzlett <Robert.Hayzlett@tn.gov>, Ronnie Porter <ronnie.porter@tn.gov>, "Sean Santalla (FHWA)" <sean.santalla@dot.gov>, Teresa Cantrell <teresa_cantrell@nps.gov>, Theresa Claxton <theresa.claxton@dot.gov>, "Troy J. Ebbert" <troy.j.ebbert@tn.gov>, "Walther, Katherine" <Walther.Katherine@epa.gov>

Mike- thank you for the opportunity to review. EPA concurs that these projects are exempt from regional emissions analysis per the conformity rule.

Kelly

US EPA – Region 4

Air Regulatory Management Section

Atlanta, GA 30303

Sheckler.kelly@epa.gov

404-562-9992 (office)

678-215-3514 (cell)

From: Mike Conger <mike.conger@knoxplanning.org>

Sent: Tuesday, July 2, 2019 3:16 PM

To: Holly.Peterson@dot.gov; Stanley.A.Mitchell@dot.gov; alan.jones@tn.gov; Andres Ramirez (FTA) <andres.ramirez@dot.gov>; Brian Rivera <brivera@aqm.co.knox.tn.us>; cwebster@aqm.co.knox.tn.us; Craig Luebke <craig.luebke@knoxplanning.org>; Darlene Reiter <darlene.reiter@tn.gov>; Deborah Fleming <deborah.fleming@tn.gov>; Myers, Dianna <Myers.Dianna@epa.gov>; Greg Riggs <Greg.Riggs@tn.gov>; Jeff Welch <jeff.welch@knoxplanning.org>; Jim Renfro <jim_renfro@nps.gov>; Lynne A. Liddington <lalidding@aqm.co.knox.tn.us>; Benjamin, Lynorae <benjamin.lynorae@epa.gov>; Marc Corrigan <marc.corrigan@tn.gov>; Mike Conger <mike.conger@knoxtrans.org>; Nancy.Hirsch@tn.gov; Rashad Pinckney <rashad.pinckney@tn.gov>; Rich D <richd@mymorristown.com>; Monteith, Richard <Monteith.Richard@epa.gov>; Wong, Richard <Wong.Richard@epa.gov>; Robert Hayzlett <Robert.Hayzlett@tn.gov>; Ronnie Porter <ronnie.porter@tn.gov>; Sean Santalla (FHWA) <sean.santalla@dot.gov>; Sheckler, Kelly A. <Sheckler.Kelly@epa.gov>; Teresa Cantrell <teresa_cantrell@nps.gov>; Theresa Claxton <theresa.claxton@dot.gov>; Troy J. Ebbert <troy.j.ebbert@tn.gov>; Walther, Katherine <Walther.Katherine@epa.gov>

Subject: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

Knoxville IAC Members,

The Knoxville Regional TPO Executive Board will be hearing a total of ten (10) amendments to the FY 2017-2020 TIP at their July 24, 2019 meeting. Note that one of the amendments is for the project that has already been reviewed by the IAC group as an air quality non-exempt project with a short conformity report (SCR) to demonstrate conformity, and the SCR is currently out for public review and comment so that project amendment information is not included in this email. Also note that item #'s 1 - 8 in the summary list below are for eight projects that were recently awarded Congestion Mitigation and Air Quality (CMAQ) improvement funds by TDOT following its 2018 "Mini-Round" grant competition. You will see the acronym DSRC in several of the CMAQ projects, this refers to "Dedicated Short-Range Communications" and involves installation of radio equipment in the traffic signal cabinet to allow for potential "Connected Vehicle" applications whereby properly equipped vehicles are able to receive real-time information (speed, light phasing, etc) from the signal and vice versa. Following are brief descriptions of each amendment and attached is a packet with all of the project profile pages with additional information including financial constraint.

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- 2.) (NEW) Project 17-2017-059 (Chapman Hwy DSRC and Enhanced Detection Traffic Signal Improvements)** - Amend the TIP by adding this project. Project involves signal upgrades at existing installations including DSRC, data probing hardware, enhanced vehicle detection, battery backup, etc. from Blount Ave to Mountain Grove Dr (17 traffic signals). The project programs \$1,194,000 CMAQ funding in FY 2020. This project is considered Conformity Exempt as per 40 CFR 93.126 (Other) due to the fact that no roadway construction is involved also cannot be directly modeled for a traditional regional emissions analysis.
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Mike

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7/26/2019

Knoxville - Knox County Planning Mail - RE: IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

Mike Conger, P.E.

Senior Transportation Engineer

865.215.3813

**Knoxville Regional
Transportation
Planning Organization**
TPO



Knoxville Regional TPO | Knoxville-Knox County Planning

400 Main Street, Suite 403 | Knoxville, TN 37902



IAC Review of Knoxville TPO July 2019 TIP (Exempt) Amendments

1 message

Mike Conger <mike.conger@knoxplanning.org>

Tue, Jul 2, 2019 at 3:16 PM

To: Holly.Peterson@dot.gov, Stanley.A.Mitchell@dot.gov, Alan Jones <alan.jones@tn.gov>, "Andres Ramirez (FTA)" <andres.ramirez@dot.gov>, Brian Rivera <brivera@aqm.co.knox.tn.us>, Coby Webster <cwebster@aqm.co.knox.tn.us>, Craig Luebke <craig.luebke@knoxplanning.org>, Darlene Reiter <darlene.reiter@tn.gov>, Deborah Fleming <deborah.fleming@tn.gov>, Dianna Myers <myers.dianna@epa.gov>, Greg Riggs <Greg.Riggs@tn.gov>, Jeff Welch <jeff.welch@knoxplanning.org>, Jim Renfro <jim_renfro@nps.gov>, "Lynne A. Liddington" <lalidding@aqm.co.knox.tn.us>, Lynorae Benjamin <benjamin.lynorae@epamail.epa.gov>, Marc Corrigan <marc.corrigan@tn.gov>, Mike Conger <mike.conger@knoxtrans.org>, "Nancy.Hirsch@tn.gov" <Nancy.Hirsch@tn.gov>, Rashad Pinckney <rashad.pinckney@tn.gov>, Rich D <richd@mymorristown.com>, Richard Monteith <Monteith.Richard@epa.gov>, Richard Wong <wong.richard@epa.gov>, Robert Hayzlett <Robert.Hayzlett@tn.gov>, Ronnie Porter <ronnie.porter@tn.gov>, "Sean Santalla (FHWA)" <sean.santalla@dot.gov>, "Sheckler.Kelly@epa.gov" <sheckler.kelly@epa.gov>, Teresa Cantrell <teresa_cantrell@nps.gov>, Theresa Claxton <theresa.claxton@dot.gov>, "Troy J. Ebbert" <troy.j.ebbert@tn.gov>, "Walther, Katherine" <Walther.Katherine@epa.gov>

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Planning
KNOXVILLE | KNOX COUNTY

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400 Main Street, Suite 403 | Knoxville, TN 37902

 **July 2019 TIP Amendment Profile Pages and Financial Constraint Tables.pdf**

539K