



City County Building, Suite 403 • 400 Main Street • Knoxville, Tennessee 37902  
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August 23, 2018

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

SUBJECT: 17-2017-051 (Middlebrook Pike ATMS Expansion), 17-2017-052 (Clinton Traffic Signal Improvements Ph. 1), 17-2017-053 (Oak Ridge Signal Timing Optimization Program Ph. 2), 17-2017-054 (Knoxville Renewable Fueling Station), 17-2017-055 (Knoxville and Holston River Railroad Locomotive Repower)

Dear TDOT,

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

**Amendment 17-2017-251 (Middlebrook Pike ATMS Expansion)** - Amend the TIP by adding this project. Project limits are from University Avenue at College Street to Middlebrook Pike at Joe Hinton Road. The project length is 6.5 miles. The FY 2019 preliminary engineering cost is \$215,000 (\$215,000 federal/\$0 local). The FY 2020 construction cost is \$2,215,000 (\$2,215,000 federal/\$0 local). The total project cost is \$2,430,000.

**Amendment 17-2017-052 (Clinton Traffic Signal Improvements Ph. 1)** - Amend the TIP by adding this project to update the signal timing for each of the City's 15 traffic signals. The FY 2019 cost is \$150,000 (\$150,000 federal/\$0 local). The total project cost is \$150,000.

**Amendment 17-2017-053 (Oak Ridge Signal Timing Optimization Program Ph. 2)** - Amend the TIP by adding this project. Project includes connecting and improving 14 signalized intersections along Oak Ridge Turnpike (SR-95) from Illinois Avenue (SR-62) to Florida Avenue/Fairbanks Avenue, as well as along Florida Avenue for approximately 0.15 miles. The project length is 2.85 miles. The FY 2019 preliminary engineering cost is \$282,000 (\$282,000 federal/\$0 local). The FY 2020 construction cost is \$2,573,400 (\$2,573,400 federal/\$0 local). The total project cost is \$2,885,400.

**Amendment 17-2017-054 (Knoxville Renewable Fueling Station)** - Amend the TIP by adding this project. The project will upgrade a fueling terminal located at 1206 Proctor Street for use with biodiesel fuel. The FY 2019 cost is \$228,000 (\$96,000 federal/\$132,000 other/private). The total project cost is \$228,000.

**Amendment 17-2017-055 (Knoxville and Holston River Railroad Locomotive Repower)-**  
Amend the TIP by adding this project. The project will repower 5 Tier 2 locomotives to Tier 4 Emissions Standards at Near Zero Emissions. The FY 2019 cost is \$10,670,000 (\$5,335,000 federal/\$5,335,000 other/private). The total project cost is \$10,670,000

These amendments have been incorporated into our FY 2017-2020 TIP. The project pages, expenditure summary sheets, air quality conformity determination approval (FHWA) and concurrence (EPA) letters, resolution and other pertinent information are included. If you have any questions please contact me at (865) 215-3813.

Sincerely,



Craig Luebke  
Transportation Planner

# Knoxville Regional Transportation Planning Organization

## TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

NEW

TIP No.	17-2017-051	Revision No.	0	Mobility Plan No.	Consistent with Goal 6
TDOT PIN	127958.00	STIP No.			
Project Name	Middlebrook Pike (SR-169) ATMS Expansion				
Lead Agency	City of Knoxville				
Total Project Cost	\$2,430,000				

Project Description	Expand the City of Knoxville's Advanced Traffic Management System along Middlebrook Pike/University Ave.				
Termini/Intersection	Middlebrook Pike (SR-169)/University Ave. from College St. to Joe Hinton Rd.				
Counties	Knox				
City/Agency	City of Knoxville				
Length	6.5	(miles)	Conformity Status	Exempt	

Additional Details

**Programmed Funds**

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PE-N/PE-D	CMAQ	\$215,000	\$215,000	\$0	\$0	\$0
2020	CON	CMAQ	\$2,215,000	\$2,215,000	\$0	\$0	\$0
Total			\$2,430,000	\$2,430,000	\$0	\$0	\$0

Revision Date

Revision Details

Previous TIP No.



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

NEW

TIP No.	<input type="text" value="17-2017-052"/>	Revision No.	<input type="text" value="0"/>	Mobility Plan No.	<input type="text" value="Consistent with Goal 6"/>
TDOT PIN	<input type="text" value="127952.00"/>	STIP No.	<input type="text"/>		
Project Name	<input type="text" value="Clinton Traffic Signalization Improvements: Ph. 1"/>				
Lead Agency	<input type="text" value="City of Clinton"/>				
Total Project Cost	<input type="text" value="\$150,000"/>				

Project Description	<input type="text" value="Signal Timing Update for each of the City's 15 traffic signals"/>				
Termini/Intersection	<input type="text" value="Various"/>				
Counties	<input type="text" value="Anderson"/>				
City/Agency	<input type="text" value="City of Clinton"/>				
Length	<input type="text"/> (miles)	Conformity Status	<input type="text" value="Exempt"/>		

Additional Details

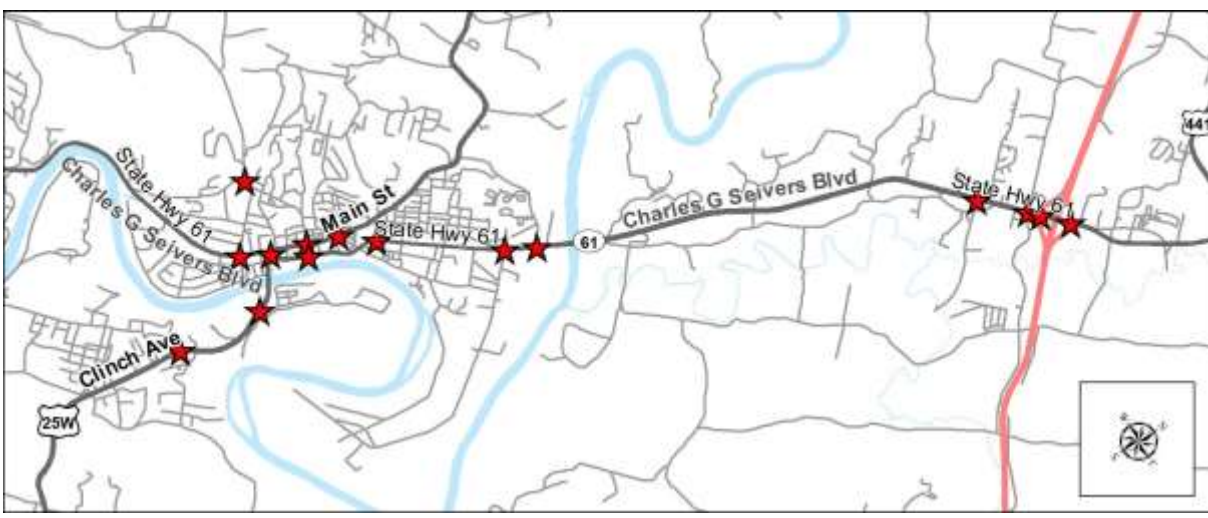
Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PE-N/PE-D/RW/CN	CMAQ	\$150,000	\$150,000	\$0	\$0	\$0
Total			\$150,000	\$150,000	\$0	\$0	\$0

Revision Date

Revision Details

Previous TIP No.



# Knoxville Regional Transportation Planning Organization

## TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

NEW

TIP No.	<input type="text" value="17-2017-053"/>	Revision No.	<input type="text" value="0"/>	Mobility Plan No.	<input type="text" value="13-802"/>	
TDOT PIN	<input type="text" value="127949.00"/>	STIP No.	<input type="text"/>			
Project Name	<input type="text" value="Oak Ridge Signal Timing Optimization Program Ph. 2"/>					
Lead Agency	<input type="text" value="City of Oak Ridge"/>					
Total Project Cost	<input type="text" value="\$2,855,400"/>					

**Project Description**

**Termini/Intersection**

**Counties**

**City/Agency**

**Length**  (miles) **Conformity Status**

**Additional Details**

**Programmed Funds**

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PE-N/PE-D	CMAQ	\$282,000	\$282,000	\$0	\$0	\$0
2020	CON	CMAQ	\$2,573,400	\$2,573,400	\$0	\$0	\$0
<b>Total</b>			<b>\$2,855,400</b>	<b>\$2,855,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**Revision Date**

**Revision Details**

**Previous TIP No.**



# Knoxville Regional Transportation Planning Organization

## TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

AMENDED  
(NEW)

TIP No.	17-2017-054	Revision No.	0	Mobility Plan No.	Consistent with Goal 4	
TDOT PIN	128030.00	STIP No.				
Project Name	Knoxville Renewable Fueling Station					
Lead Agency	TDOT					
Total Project Cost	\$228,000					

Project Description	Upgrade fueling terminal for use with biodiesel				
Termini/Intersection	1206 Proctor Street				
Counties	Knox				
City/Agency					
Length		(miles)	Conformity Status	Exempt	

Additional Details	"Other" funding provided by Down To Earth Energy				
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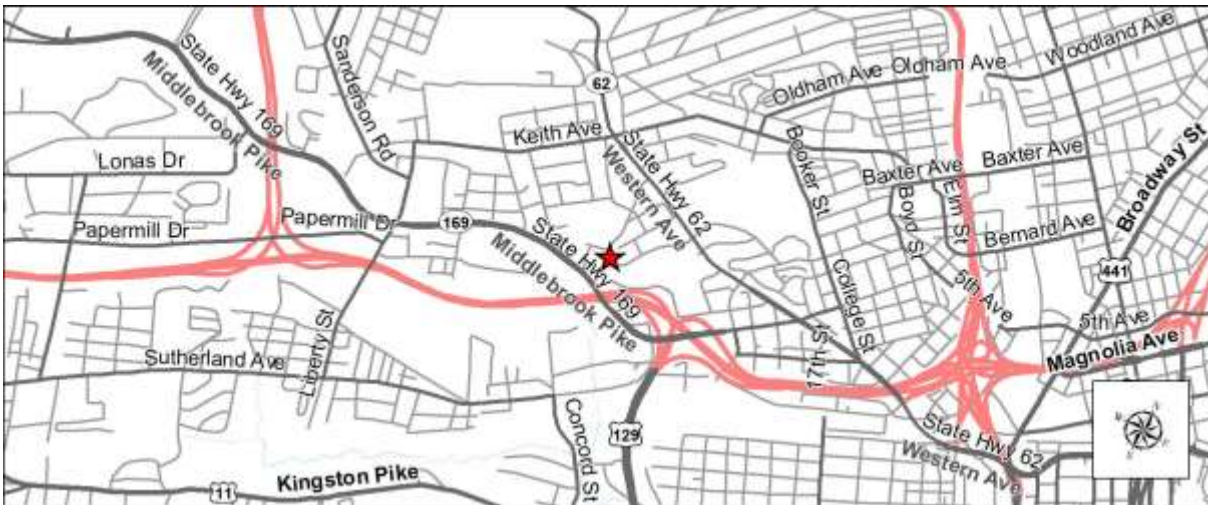
**Programmed Funds**

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PE-N/PE-D/RW/CN	CMAQ	\$192,000	\$96,000	\$0	\$0	\$96,000
2019	PE-N/PE-D/RW/CN	PRIVATE	\$36,000	\$0	\$0	\$0	\$36,000
<b>Total</b>			<b>\$228,000</b>	<b>\$96,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$132,000</b>

Revision Date	8/22/2018
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Revision Details	Amend the TIP by adding this project. The project will upgrade a fueling terminal located at 1206 Proctor Street for use with biodiesel fuel. The FY 2019 cost is \$228,000 (\$96,000 federal/\$132,000 other/private). The total project cost is \$228,000.
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Previous TIP No.	
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# Knoxville Regional Transportation Planning Organization TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

AMENDED  
(NEW)

TIP No.	17-2017-055	Revision No.	0	Mobility Plan No.	Consistent with Goal 4	
TDOT PIN		STIP No.				
Project Name	Knoxville and Holston River Railroad Locomotive Repower					
Lead Agency	TDOT					
Total Project Cost	\$10,670,000					

Project Description	Repower 5 Tier 2 locomotives to Tier 4 Emissions Standards at Near Zero Emissions				
Termini/Intersection					
Counties	Knox				
City/Agency					
Length		(miles)	Conformity Status	Exempt	

Additional Details	"Other" funding provided by Knoxville and Holston River Railroad				
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**Programmed Funds**

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2019	PUR	CMAQ	\$10,670,000	\$5,335,000	\$0	\$0	\$5,335,000
Total			\$10,670,000	\$5,335,000	\$0	\$0	\$5,335,000

Revision Date	8/22/2018
Revision Details	Amend the TIP by adding this project. The project will repower five Tier 2 locomotives to Tier 4 Emissions Standards at Near Zero Emissions. The FY 2019 cost is \$10,670,000 (\$5,335,000 federal/\$5,335,000 other/private). The total project cost is \$10,670,000.
Previous TIP No.	



**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	\$0	\$0	\$1,560,000	0.21
CMAQ	\$19,388,946	\$1,264,269	\$8,075,000	\$169,000	\$28,897,215	3.95
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.04
HIP	\$0	\$2,479,974	\$0	\$0	\$2,479,974	0.34
HPP	\$5,067,350	\$1,000,000	\$9,090,162	\$0	\$15,157,512	2.07
HSIP	\$4,585,888	\$10,592,360	\$3,467,360	\$3,467,360	\$22,112,968	3.02
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.08
LOCAL	\$36,500,000	\$8,165,000	\$155,000	\$0	\$44,820,000	6.12
L-STBG	\$44,242,165	\$22,922,443	\$12,873,672	\$12,075,586	\$92,113,866	12.59
L-STBG-TA	\$2,695,090	\$2,276,724	\$0	\$997,500	\$5,969,314	0.82
NHPP	\$182,596,884	\$140,140,693	\$12,126,577	\$43,976,577	\$378,840,731	51.77
PHSIP	\$3,101,500	\$6,636,500	\$601,500	\$601,500	\$10,941,000	1.50
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.16
RPHSIP	\$1,200,000	\$3,324,800	\$0	\$0	\$4,524,800	0.62
SECTION 5307	\$16,940,427	\$8,584,499	\$8,592,575	\$8,592,575	\$42,710,076	5.84
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.62
SECTION 5339	\$1,514,698	\$1,013,641	\$762,616	\$762,616	\$4,053,571	0.55
SECTION 5339b	\$0	\$4,500,000	\$0	\$0	\$4,500,000	0.61
S-STBG	\$24,696,196	\$15,599,521	\$3,649,521	\$3,399,521	\$47,344,759	6.47
S-STBG-TA	\$3,282,876	\$76,552	\$0	\$0	\$3,359,428	0.46
STA	\$762,500	\$359,770	\$0	\$0	\$1,122,270	0.15
<b>Total</b>	<b>\$361,320,067</b>	<b>\$235,414,197</b>	<b>\$60,199,372</b>	<b>\$74,847,624</b>	<b>\$731,781,260</b>	<b>100.00</b>
Federal	\$259,995,834	\$182,986,462	\$49,889,623	\$59,606,026	\$552,477,945	75.50
State	\$47,171,922	\$40,007,138	\$6,219,500	\$12,266,468	\$105,665,028	14.44
Local	\$54,152,311	\$12,420,597	\$4,090,249	\$2,975,130	\$73,638,287	10.06
Other	\$0	\$0	\$0	\$0	\$0	0.00

**Table 2. Summary of Programmed Expenditures**

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total	Share (%)
ACPHSIP	\$450,000	\$1,110,000	\$0	\$0	\$1,560,000	0.21
CMAQ	\$19,388,946	\$1,264,269	\$8,075,000	\$169,000	\$28,897,215	3.95
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.04
HIP	\$0	\$2,479,974	\$0	\$0	\$2,479,974	0.34
HPP	\$5,067,350	\$1,000,000	\$9,090,162	\$0	\$15,157,512	2.07
HSIP	\$4,585,888	\$10,592,360	\$3,467,360	\$3,467,360	\$22,112,968	3.02
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.08
LOCAL	\$36,500,000	\$8,165,000	\$155,000	\$0	\$44,820,000	6.12
L-STBG	\$44,242,165	\$22,922,443	\$12,873,672	\$12,075,586	\$92,113,866	12.59
L-STBG-TA	\$2,695,090	\$2,276,724	\$0	\$997,500	\$5,969,314	0.82
NHPP	\$182,596,884	\$140,140,693	\$12,126,577	\$43,976,577	\$378,840,731	51.77
PHSIP	\$3,101,500	\$6,636,500	\$601,500	\$601,500	\$10,941,000	1.50
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.16
RPHSIP	\$1,200,000	\$3,324,800	\$0	\$0	\$4,524,800	0.62
SECTION 5307	\$16,940,427	\$8,584,499	\$8,592,575	\$8,592,575	\$42,710,076	5.84
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.62
SECTION 5339	\$1,514,698	\$1,013,641	\$762,616	\$762,616	\$4,053,571	0.55
SECTION 5339b	\$0	\$4,500,000	\$0	\$0	\$4,500,000	0.61
S-STBG	\$24,696,196	\$15,599,521	\$3,649,521	\$3,399,521	\$47,344,759	6.47
S-STBG-TA	\$3,282,876	\$76,552	\$0	\$0	\$3,359,428	0.46
STA	\$762,500	\$359,770	\$0	\$0	\$1,122,270	0.15
<b>Total</b>	<b>\$361,320,067</b>	<b>\$235,414,197</b>	<b>\$60,199,372</b>	<b>\$74,847,624</b>	<b>\$731,781,260</b>	<b>100.00</b>
Federal	\$259,995,834	\$182,986,462	\$49,889,623	\$59,606,026	\$552,477,945	75.50
State	\$47,171,922	\$40,007,138	\$6,219,500	\$12,266,468	\$105,665,028	14.44
Local	\$54,152,311	\$12,420,597	\$4,090,249	\$2,975,130	\$73,638,287	10.06
Other	\$0	\$0	\$0	\$0	\$0	0.00



Table 1. Summary of Programmed Revenues

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total	Share (%)
ACPHSIP	\$450,000	\$1,110,000	\$0	\$0	\$1,560,000	0.21
CMAQ	\$19,388,946	\$1,264,269	\$19,620,000	\$4,957,400	\$45,230,615	6.04
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.04
HIP	\$0	\$2,479,974	\$0	\$0	\$2,479,974	0.33
HPP	\$5,067,350	\$1,000,000	\$9,090,162	\$0	\$15,157,512	2.02
HSIP	\$4,585,888	\$11,592,360	\$3,467,360	\$3,467,360	\$23,112,968	3.09
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.08
LOCAL	\$36,500,000	\$8,165,000	\$155,000	\$0	\$44,820,000	5.98
L-STBG	\$44,242,165	\$22,922,443	\$12,873,672	\$12,075,586	\$92,113,866	12.30
L-STBG-TA	\$2,695,090	\$2,276,724	\$0	\$997,500	\$5,969,314	0.80
NHPP	\$182,596,884	\$140,140,693	\$12,126,577	\$43,976,577	\$378,840,731	50.57
PHSIP	\$3,101,500	\$6,636,500	\$601,500	\$601,500	\$10,941,000	1.46
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.11
RPHSIP	\$1,200,000	\$3,324,800	\$0	\$0	\$4,524,800	0.60
SECTION 5307	\$16,940,427	\$8,584,499	\$8,592,575	\$8,592,575	\$42,710,076	5.70
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.61
SECTION 5339	\$1,514,698	\$1,013,641	\$762,616	\$762,616	\$4,053,571	0.54
SECTION 5339b	\$0	\$4,500,000	\$0	\$0	\$4,500,000	0.60
S-STBG	\$24,696,196	\$15,599,521	\$3,649,521	\$3,399,521	\$47,344,759	6.32
S-STBG-TA	\$3,282,876	\$76,552	\$0	\$0	\$3,359,428	0.45
STA	\$762,500	\$359,770	\$0	\$0	\$1,122,270	0.15
<b>Total</b>	<b>\$361,320,067</b>	<b>\$236,414,197</b>	<b>\$71,744,372</b>	<b>\$79,636,024</b>	<b>\$749,114,660</b>	<b>100.00</b>
Federal	\$259,995,834	\$183,886,462	\$55,967,623	\$64,394,426	\$564,244,345	75.32
State	\$47,171,922	\$40,107,138	\$6,219,500	\$12,266,468	\$105,765,028	14.12
Local	\$54,152,311	\$12,420,597	\$4,090,249	\$2,975,130	\$73,638,287	9.83
Other	\$0	\$0	\$5,467,000	\$0	\$5,467,000	0.73

Table 2. Summary of Programmed Expenditures

Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	Total	Share (%)
ACPHSIP	\$450,000	\$1,110,000	\$0	\$0	\$1,560,000	0.21
CMAQ	\$19,388,946	\$1,264,269	\$19,620,000	\$4,957,400	\$45,230,615	6.04
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.04
HIP	\$0	\$2,479,974	\$0	\$0	\$2,479,974	0.33
HPP	\$5,067,350	\$1,000,000	\$9,090,162	\$0	\$15,157,512	2.02
HSIP	\$4,585,888	\$11,592,360	\$3,467,360	\$3,467,360	\$23,112,968	3.09
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.08
LOCAL	\$36,500,000	\$8,165,000	\$155,000	\$0	\$44,820,000	5.98
L-STBG	\$44,242,165	\$22,922,443	\$12,873,672	\$12,075,586	\$92,113,866	12.30
L-STBG-TA	\$2,695,090	\$2,276,724	\$0	\$997,500	\$5,969,314	0.80
NHPP	\$182,596,884	\$140,140,693	\$12,126,577	\$43,976,577	\$378,840,731	50.57
PHSIP	\$3,101,500	\$6,636,500	\$601,500	\$601,500	\$10,941,000	1.46
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.11
RPHSIP	\$1,200,000	\$3,324,800	\$0	\$0	\$4,524,800	0.60
SECTION 5307	\$16,940,427	\$8,584,499	\$8,592,575	\$8,592,575	\$42,710,076	5.70
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.61
SECTION 5339	\$1,514,698	\$1,013,641	\$762,616	\$762,616	\$4,053,571	0.54
SECTION 5339b	\$0	\$4,500,000	\$0	\$0	\$4,500,000	0.60
S-STBG	\$24,696,196	\$15,599,521	\$3,649,521	\$3,399,521	\$47,344,759	6.32
S-STBG-TA	\$3,282,876	\$76,552	\$0	\$0	\$3,359,428	0.45
STA	\$762,500	\$359,770	\$0	\$0	\$1,122,270	0.15
<b>Total</b>	<b>\$361,320,067</b>	<b>\$236,414,197</b>	<b>\$71,744,372</b>	<b>\$79,636,024</b>	<b>\$749,114,660</b>	<b>100.00</b>
Federal	\$259,995,834	\$183,886,462	\$55,967,623	\$64,394,426	\$564,244,345	75.32
State	\$47,171,922	\$40,107,138	\$6,219,500	\$12,266,468	\$105,765,028	14.12
Local	\$54,152,311	\$12,420,597	\$4,090,249	\$2,975,130	\$73,638,287	9.83
Other	\$0	\$0	\$5,467,000	\$0	\$5,467,000	0.73

NOTE: Financial tables run on 08/13/2018 and reflect:  
 FY 2019 - CMAQ: +\$11,545,000 Other (Private): +\$5,467,000  
 FY 2020 - CMAQ: +\$4,788,400



**TRANSPORTATION IMPROVEMENT PROGRAM  
Transportation Conformity Summary Report**

**Project Amendment(s):**

On August 22, 2018, the Knoxville Regional TPO Executive Board voted to approve the following amendments to the Knoxville Regional FY 2017– 2020 Transportation Improvement Program (TIP)

TIP #	L RTP #	Project Name	Conformity Status
17-2017-035	Consistent w/ Mobility Plan	I-40 ITS Expansion – West of Exit 398 to East of Exit 407	Exempt
17-2017-050	Consistent w/ Mobility Plan	I-140 ITS Expansion – from near MM 2 to near MM 11	Exempt
17-2017-051	Consistent w/ Mobility Plan	Middlebrook Pike (SR-169) ATMS Expansion	Exempt
17-2017-052	Consistent w/ Mobility Plan	Clinton Traffic Signalization Improvements Ph. 1	Exempt
17-2017-053	13-802	Oak Ridge Signal Timing Optimization Program Ph. 2	Exempt
17-2017-054	Consistent w/ Mobility Plan	Knoxville Renewable Fueling Station	Exempt
17-2017-055	Consistent w/ Mobility Plan	Knoxville and Holston River Railroad Locomotive Repower	Exempt

**Air Quality Conformity Status:**

These amendments do not trigger the need for a conformity determination because these actions are 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 these projects 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 August 14, 2018 at the TPO Technical Committee Meeting, followed by August 22, 2018 at the TPO Executive Board meeting. No public comments were received.

**Interagency Consultation:**

The Knoxville Air Quality Interagency Consultation (IAC) group was consulted on August 8, 2018 regarding the conformity exempt status of the amendments. There was agreement from the group regarding the Knoxville TPO staff's exempt assessment of these projects based on IAC correspondence. The required 14-day IAC review period was from August 8, 2018 to August 22, 2018. IAC email correspondence regarding the amendments is included.



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

**Tennessee Division**

May 31, 2017

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

In Reply Refer To:  
HDA-TN

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

Subject: Air Quality Conformity Determination for the Knoxville, TN Region

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 the Knoxville Regional Transportation Planning Organization (TPO) Executive Board adopted on April 26, 2017.

The Air Quality Conformity Determination covers the Knoxville, TN nonattainment area for the 1997 Annual PM<sub>2.5</sub> standard, the nonattainment area for the 2006 Daily PM<sub>2.5</sub> standard and the maintenance area for the 2008 8-hour ozone standard and addresses the planned transportation improvements from the TPO's Mobility Plan 2040 and amended Fiscal Years 2017-2020 Transportation Improvement Program.

Based on our review, we find the documents conform to the State of Tennessee's air quality goals for the 1997 Annual PM<sub>2.5</sub>, 2006 Daily PM<sub>2.5</sub>, and 2008 8-hour ozone National Ambient Air Quality Standards established in the State Implementation Plan.

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

Sincerely,

Pamela M. Kordenbrock  
Division Administrator

cc: Mayor Tom Taylor, Executive Board Chair, Knoxville Regional TPO  
Mr. Andres Ramirez, General Engineer, FTA Region IV  
Ms. Kelly Sheckler, Environmental Scientist, EPA Region 4  
Ms. Dianna Myers, Physical Scientist, EPA Region 4

Mr. Jeff Welch, Director, Knoxville Regional TPO  
Mr. Larry McGoogin, Comprehensive Planning Assistant Director, TDOT  
Mr. Josh Suddath, OCT Planning Manager, TDOT  
Ms. Deborah Fleming, Senior Regional Planner, TDOT  
Mr. Troy Ebbert, OCT Region 1 Planning Supervisor, TDOT  
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:

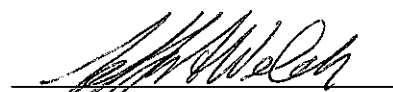
- I. 23 U.S.C. 134, 49 U.S.C. Section 5303 (Highway and Transit);
- II. In non-attainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended 942 U.S.C 7504 and 7506 (c) and (d) and 40 CFR part 93;
- III. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C 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  
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, 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 #2A - Amendment 17-2017-035 (I-40 ITS Expansion)** - Amend project. The project terminus and description has changed. The revised terminus is "ITS expansion from west of Exit 398 to east of Exit 407 (IA)". The revised project description is "ITS expansion to include the installation of a power and communication network and its devices such as CCTV cameras, DMS and RDS." The project length has changed from 9.2 to 11.4 miles. The preliminary engineering cost increased from \$100,000 to \$450,000 (\$405,000 federal/\$45,000 state). This amendment also adds the construction phase in FY 2019 at \$5,050,000 (\$4,545,000 federal/\$505,000 state). The total project cost has increased from \$3,000,000 to \$5,500,000.

**Attachment #2B - Amendment 17-2017-050 (I-140 ITS Expansion from near mile marker 11 (SR-115/US-129/Alcoa Hwy) IA)** - Amend the TIP by adding this project. Project includes the installation of a power and communication network and its devices such as CCTV cameras, DMS and RDS. The project length is 9.2 miles. The FY 2019 preliminary engineering cost is \$400,000 (\$360,000 federal/\$40,000 state). The total project cost is \$4,700,000.

**Attachment #2C - Amendment 17-2017-051 (Middlebrook Pike (SR-169) Advanced Traffic Management System Expansion)** - Amend the TIP by adding this project. Project limits are from University Avenue at College Street to Middlebrook Pike at Joe Hinton Road. The project length is 6.5 miles. The FY 2019 preliminary engineering cost is \$215,000 (\$215,000 federal/\$0 local). The FY 2020 construction cost is \$2,215,000 (\$2,215,000 federal/\$0 local). The total project cost is \$2,430,000.

**Attachment #2D - Amendment 17-2017-052 (Clinton Traffic Signal Improvements Ph. 1)** - Amend the TIP by adding this project to update the signal timing for each of the City's 15 traffic signals. The FY 2019 cost is \$150,000 (\$150,000 federal/\$0 local). The total project cost is \$150,000.

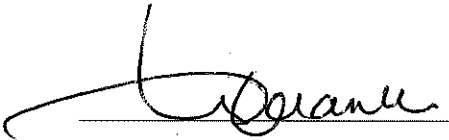
**Attachment #2E - Amendment 17-2017-053 (Oak Ridge Signal Timing Optimization Program Ph. 2)** - Amend the TIP by adding this project. Project includes connecting and improving 14 signalized intersections along Oak Ridge Turnpike (SR-95) from Illinois Avenue (SR-62) to Florida Avenue/Fairbanks Avenue, as well as along Florida Avenue for approximately 0.15 miles. The project length is 2.85 miles. The FY 2019 preliminary engineering cost is \$282,000 (\$282,000 federal/\$0 local). The FY 2020 construction cost is \$2,573,400 (\$2,573,400 federal/\$0 local). The total project cost is \$2,885,400.

**Attachment #2F - Amendment 17-2017-054 (Knoxville Renewable Fueling Station)** - Amend the TIP by adding this project. The project will upgrade a fueling terminal located at 1206 Proctor Street for use with biodiesel fuel. The FY 2019 cost is \$228,000 (\$96,000 federal/\$132,000 other/private). The total project cost is \$228,000.

**Attachment #2G - Amendment 17-2017-055 (Knoxville and Holston River Railroad Locomotive Repower)** - Amend the TIP by adding this project. The project will repower five Tier 2 locomotives to Tier 4 Emissions Standards at Near Zero Emissions. The FY 2019 cost is \$10,670,000 (\$5,335,000 federal/\$5,335,000 other/private). The total project cost is \$10,670,000.

August 22, 2018

Date



Mayor Terry Frank  
Anderson County  
TPO Executive Board Vice-Chair



Jeffrey A. Welch, AICP  
Director  
Knoxville Regional TPO





Craig Luebke &lt;craig.luebke@knoxmpc.org&gt;

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**RE: IAC Review of Knoxville TPO August 2018 TIP Amendments**

1 message

**Marc Corrigan** <Marc.Corrigan@tn.gov>

Mon, Aug 13, 2018 at 11:55 AM

To: Mike Conger <mike.conger@knoxtrans.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@knoxmpc.org>, Darlene Reiter <Darlene.Reiter@tn.gov>, Deborah Fleming <Deborah.Fleming@tn.gov>, Dianna Myers <myers.dianna@epa.gov>, Egide Louis <louis.egide@epa.gov>, Greg Riggs <Greg.Riggs@tn.gov>, Jeff Welch <jeff.welch@knoxtrans.org>, Jim Renfro <jim\_renfro@nps.gov>, Katherine Walther <Walther.Katherine@epa.gov>, "Lynne A. Liddington" <lalidding@aqm.co.knox.tn.us>, Lynorae Benjamin <benjamin.lynorae@epamail.epa.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>, Thomas Doherty <Thomas.Doherty@tn.gov>, Jerome Joiner <Jerome.Joiner@tn.gov>

Mike,

The TAPCD agrees with the TPO's determination that the projects described below are exempt from transportation conformity.

Marc

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**From:** Mike Conger [mailto:mike.conger@knoxtrans.org]**Sent:** Wednesday, August 08, 2018 10:44 AM**To:** [Holly.Peterson@dot.gov](mailto:Holly.Peterson@dot.gov); [Stanley.A.Mitchell@dot.gov](mailto:Stanley.A.Mitchell@dot.gov); Alan Jones; Andres Ramirez (FTA); Brian Rivera; Coby Webster; Craig Luebke; Darlene Reiter; Deborah Fleming; Dianna Myers; Egide Louis; Greg Riggs; Jeff Welch; Jim Renfro; Katherine Walther; Lynne A. Liddington; Lynorae Benjamin; Marc Corrigan; Mike Conger; Rashad Pinckney; Rich D; Richard Monteith; Richard Wong; Robert Hayzlett; Ronnie Porter; Sean Santalla (FHWA); [Sheckler.Kelly@epa.gov](mailto:Sheckler.Kelly@epa.gov); Teresa Cantrell; Theresa Claxton; Thomas Doherty; Jerome Joiner**Subject:** IAC Review of Knoxville TPO August 2018 TIP Amendments

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

Knoxville IAC Members,

The Knoxville Regional TPO Executive Board will be hearing seven (7) amendments to the FY 2017-2020 TIP at their August 22, 2018 meeting. Following are brief descriptions of each amendment and attached are two packets of the associated TIP profile pages with additional information including financial constraint. As background, five of these amendments (#'s 3 - 7 below) resulted from the recent TDOT announcement of grant awards under the 2017 CMAQ funding competition in the Knoxville Region.

**1.) Project 17-2017-035 (I-40 ITS Expansion) - Amend project to revise project description, increase preliminary engineering cost and add construction phase.** The revised terminus is "ITS expansion from west of Exit 398 to east of Exit 407 (IA)". The revised project description is "ITS expansion to include the installation of a power and communication network and its devices such as CCTV cameras, DMS and RDS." Increase project length from 9.2 to 11.4 miles. The preliminary engineering cost increased from \$100,000 to \$450,000 (\$405,000 federal/\$45,000 state). This amendment also adds the construction phase in FY 2019 at \$5,050,000 (\$4,545,000 federal/\$505,000 state). The total project cost has increased from \$3,000,000 to \$5,500,000. This project was previously determined to be exempt from the requirement to determine conformity under 40 CFR 93.126 (other).

**2.) New Project 17-2017-050 (I-140 ITS Expansion from near mile marker 11 (SR-115/US-129/Alcoa Hwy) IA) - Amend the TIP by adding this project.** Project includes the installation of a power and communication network and its devices such as CCTV cameras, DMS and RDS. The project length is 9.2 miles. The FY 2019 preliminary engineering cost is \$400,000 (\$360,000 federal/\$40,000 state). The total project cost is \$4,700,000. 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 17-2017-051 (Middlebrook Pike (SR-169) Advanced Traffic Management System Expansion) - Amend the TIP by adding this project.** Project is to expand the City's ATMS along Middlebrook Pike/University Avenue. Project limits are from University Avenue at College Street to Middlebrook Pike at Joe Hinton Road. The project length is 6.5 miles. The FY 2019 preliminary engineering cost is \$215,000 (\$215,000 federal/\$0 local). The FY 2020 construction cost is \$2,215,000 (\$2,215,000 federal/\$0 local). The total project cost is \$2,430,000. 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 17-2017-052 (Clinton Traffic Signal Improvements Ph. 1) - Amend the TIP by adding this project to update the signal timing for each of the City's 15 traffic signals.** The FY 2019 cost is \$150,000 (\$150,000 federal/\$0 local). The total project cost is \$150,000. This project is considered Conformity Exempt as per 40 CFR 93.128 (Traffic Signal Synchronization).

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In summary, it is the TPO staff's opinion that these 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. If I do not hear anything within two (2) weeks (by

**Wednesday, August 22, 2018**) we will assume that you concur that these amendments are exempt from transportation conformity.

Thanks,

Mike Conger

--

Mike Conger, P.E.

Senior Transportation Engineer

Knoxville Regional TPO

400 Main St, Suite 403

Knoxville, TN 37902

Ph: 865-215-3813



Craig Luebke &lt;craig.luebke@knoxmpc.org&gt;

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**Fwd: IAC Review of Knoxville TPO August 2018 TIP Amendments**

1 message

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**Mike Conger** <mike.conger@knoxtrans.org>  
To: Craig Luebke <craig.luebke@knoxtrans.org>

Tue, Aug 21, 2018 at 10:18 AM

Craig - for your inclusion in the TIP amendment packet once finalized. I have also seen responses from Sean Santalla and Marc Corrigan that I think were copied to everyone so you should already have, but let me know if not.

Mike

----- Forwarded message -----

From: **Thomas Doherty** <[Thomas.Doherty@tn.gov](mailto:Thomas.Doherty@tn.gov)>  
Date: Mon, Aug 20, 2018 at 2:32 PM  
Subject: RE: IAC Review of Knoxville TPO August 2018 TIP Amendments  
To: Mike Conger <[mike.conger@knoxtrans.org](mailto:mike.conger@knoxtrans.org)>

Mike:

At this time I have reviewed the projects below, and agree with TPO that these projects are exempt from conformity.

**Tom Doherty** | Senior Air Quality Planner

Long Range Planning Division

James K. Polk Building, Suite 900

505 Deaderick St., Nashville, TN 37243-0344

(p) 615-253-3068

[thomas.doherty@tn.gov](mailto:thomas.doherty@tn.gov) | [tn.gov/tdot](http://tn.gov/tdot)[tdot.cmaq@tn.gov](mailto:tdot.cmaq@tn.gov) | CMAQ Program Information

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**From:** Mike Conger [mailto:[mike.conger@knoxtrans.org](mailto:mike.conger@knoxtrans.org)]**Sent:** Wednesday, August 08, 2018 10:44 AM**To:** Liles, Holly (FTA) <[holly.liles@dot.gov](mailto:holly.liles@dot.gov)>; Mitchell, Stanley <[stanley.a.mitchell@dot.gov](mailto:stanley.a.mitchell@dot.gov)>; Alan Jones <[alan.jones@tn.gov](mailto:alan.jones@tn.gov)>; Ramirez, Andres (FTA) <[andres.ramirez@dot.gov](mailto:andres.ramirez@dot.gov)>; Brian Rivera <[brivera@aqm.co.knox.tn.us](mailto:brivera@aqm.co.knox.tn.us)>; Coby Webster <[cwebster@aqm.co.knox.tn.us](mailto:cwebster@aqm.co.knox.tn.us)>; Craig Luebke <[craig.luebke@knoxmpc.org](mailto:craig.luebke@knoxmpc.org)>; Darlene Reiter <[darlene.reiter@tn.gov](mailto:darlene.reiter@tn.gov)>; Deborah Fleming <[deborah.fleming@tn.gov](mailto:deborah.fleming@tn.gov)>; Dianna Myers <[myers.dianna@epa.gov](mailto:myers.dianna@epa.gov)>; Egide Louis <[louis.egide@epa.gov](mailto:louis.egide@epa.gov)>;

Greg Riggs <[Greg.Riggs@tn.gov](mailto:Greg.Riggs@tn.gov)>; jeff.welch [knoxtrans.org](mailto:jeff.welch@knoxtrans.org) <[jeff.welch@knoxtrans.org](mailto:jeff.welch@knoxtrans.org)>; Jim Renfro <[jim\\_renfro@nps.gov](mailto:jim_renfro@nps.gov)>; Katherine Walther <[Walther.Katherine@epa.gov](mailto:Walther.Katherine@epa.gov)>; Lynne A. Liddington <[llidding@aqm.co.knox.tn.us](mailto:llidding@aqm.co.knox.tn.us)>; Lynorae Benjamin <[benjamin.lynorae@epamail.epa.gov](mailto:benjamin.lynorae@epamail.epa.gov)>; Marc Corrigan <[marc.corrigan@tn.gov](mailto:marc.corrigan@tn.gov)>; Mike Conger <[mike.conger@knoxtrans.org](mailto:mike.conger@knoxtrans.org)>; Rashad Pinckney <[rashad.pinckney@tn.gov](mailto:rashad.pinckney@tn.gov)>; richd [mymorristown.com](http://mymorristown.com) <[richd@mymorristown.com](mailto:richd@mymorristown.com)>; Richard Monteith <[Monteith.Richard@epa.gov](mailto:Monteith.Richard@epa.gov)>; Richard Wong <[wong.richard@epa.gov](mailto:wong.richard@epa.gov)>; Robert Hayzlett <[Robert.Hayzlett@tn.gov](mailto:Robert.Hayzlett@tn.gov)>; Ronnie Porter <[ronnie.porter@tn.gov](mailto:ronnie.porter@tn.gov)>; Santalla, Sean (FHWA) <[sean.santalla@dot.gov](mailto:sean.santalla@dot.gov)>; [Sheckler.Kelly@epa.gov](mailto:Sheckler.Kelly@epa.gov); teresa\_cantrell [nps.gov](http://nps.gov) <[teresa\\_cantrell@nps.gov](mailto:teresa_cantrell@nps.gov)>; Claxton, Theresa (FHWA) <[Theresa.Claxton@dot.gov](mailto:Theresa.Claxton@dot.gov)>; Tom Doherty <[thomas.doherty@tn.gov](mailto:thomas.doherty@tn.gov)>; Trey Joiner <[jerome.joiner@tn.gov](mailto:jerome.joiner@tn.gov)>

**Subject:** IAC Review of Knoxville TPO August 2018 TIP Amendments

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Thanks,

Mike Conger

--

Mike Conger, P.E.

Senior Transportation Engineer

Knoxville Regional TPO

400 Main St, Suite 403

Knoxville, TN 37902

Ph: 865-215-3813

--

Mike Conger, P.E.



Craig Luebke &lt;craig.luebke@knoxmpc.org&gt;

**RE: IAC Review of Knoxville TPO August 2018 TIP Amendments**

1 message

**Santalla, Sean (FHWA)** <sean.santalla@dot.gov>

Tue, Aug 14, 2018 at 10:39 AM

To: Mike Conger &lt;mike.conger@knoxtrans.org&gt;

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@knoxmpc.org>, Darlene Reiter <darlene.reiter@tn.gov>, Deborah Fleming <deborah.fleming@tn.gov>, Dianna Myers <myers.dianna@epa.gov>, Egide Louis <louis.egide@epa.gov>, Greg Riggs <Greg.Riggs@tn.gov>, "jeff.welch knoxtrans.org" <jeff.welch@knoxtrans.org>, Jim Renfro <jim\_renfro@nps.gov>, Katherine Walther <Walther.Katherine@epa.gov>, "Lynne A. Liddington" <lalidding@aqm.co.knox.tn.us>, Lynorae Benjamin <benjamin.lynorae@epamail.epa.gov>, Marc Corrigan <marc.corrigan@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>, Tom Doherty <thomas.doherty@tn.gov>, Trey Joiner <jerome.joiner@tn.gov>

Mike,

FHWA has reviewed and concurs with the TPO's determination that the below-listed projects are exempt from transportation conformity.

Thanks,

Sean Santalla

Planning &amp; 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@knoxtrans.org]**Sent:** Wednesday, August 08, 2018 10:44 AM

**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@knoxmpc.org>; Darlene Reiter <darlene.reiter@tn.gov>; Deborah Fleming <deborah.fleming@tn.gov>; Dianna Myers <myers.dianna@epa.gov>; Egide Louis <louis.egide@epa.gov>; Greg Riggs <Greg.Riggs@tn.gov>; jeff.welch knoxtrans.org <jeff.welch@knoxtrans.org>; Jim Renfro <jim\_renfro@nps.gov>; Katherine Walther <Walther.Katherine@epa.gov>; Lynne A. Liddington <lalidding@aqm.co.knox.tn.us>; Lynorae Benjamin <benjamin.lynorae@epamail.epa.gov>; Marc Corrigan

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**Subject:** IAC Review of Knoxville TPO August 2018 TIP Amendments

Knoxville IAC Members,

The Knoxville Regional TPO Executive Board will be hearing seven (7) amendments to the FY 2017-2020 TIP at their August 22, 2018 meeting. Following are brief descriptions of each amendment and attached are two packets of the associated TIP profile pages with additional information including financial constraint. As background, five of these amendments (#'s 3 - 7 below) resulted from the recent TDOT announcement of grant awards under the 2017 CMAQ funding competition in the Knoxville Region.

**1.) Project 17-2017-035 (I-40 ITS Expansion) -** Amend project to revise project description, increase preliminary engineering cost and add construction phase. The revised terminus is "ITS expansion from west of Exit 398 to east of Exit 407 (IA)". The revised project description is "ITS expansion to include the installation of a power and communication network and its devices such as CCTV cameras, DMS and RDS." Increase project length from 9.2 to 11.4 miles. The preliminary engineering cost increased from \$100,000 to \$450,000 (\$405,000 federal/\$45,000 state). This amendment also adds the construction phase in FY 2019 at \$5,050,000 (\$4,545,000 federal/\$505,000 state). The total project cost has increased from \$3,000,000 to \$5,500,000. This project was previously determined to be exempt from the requirement to determine conformity under 40 CFR 93.126 (other).

**2.) New Project 17-2017-050 (I-140 ITS Expansion from near mile marker 11 (SR-115/US-129/Alcoa Hwy) IA) -** Amend the TIP by adding this project. Project includes the installation of a power and communication network and its devices such as CCTV cameras, DMS and RDS. The project length is 9.2 miles. The FY 2019 preliminary engineering cost is \$400,000 (\$360,000 federal/\$40,000 state). The total project cost is \$4,700,000. 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 17-2017-051 (Middlebrook Pike (SR-169) Advanced Traffic Management System Expansion) -** Amend the TIP by adding this project. Project is to expand the City's ATMS along Middlebrook Pike/University Avenue. Project limits are from University Avenue at College Street to Middlebrook Pike at Joe Hinton Road. The project length is 6.5 miles. The FY 2019 preliminary engineering cost is \$215,000 (\$215,000 federal/\$0 local). The FY 2020 construction cost is \$2,215,000 (\$2,215,000 federal/\$0 local). The total project cost is \$2,430,000. 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 17-2017-052 (Clinton Traffic Signal Improvements Ph. 1) -** Amend the TIP by adding this project to update the signal timing for each of the City's 15 traffic signals. The FY 2019 cost is \$150,000 (\$150,000 federal/\$0 local). The total project cost is \$150,000. This project is considered Conformity Exempt as per 40 CFR 93.128 (Traffic Signal Synchronization).

**5.) New Project 17-2017-053 (Oak Ridge Signal Timing Optimization Program Ph. 2) -** Amend the TIP by adding this project. Project includes connecting and improving 14 signalized intersections along Oak Ridge Turnpike (SR-95) from Illinois Avenue (SR-62) to Florida Avenue/Fairbanks Avenue, as well as along Florida Avenue for approximately 0.15 miles. The project length is 2.85 miles. The FY 2019 preliminary engineering cost is \$282,000 (\$282,000 federal/\$0 local). The FY 2020 construction cost is \$2,573,400 (\$2,573,400 federal/\$0 local). The total project cost is \$2,855,400. 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 17-2017-054 (Knoxville Renewable Fueling Station)** - Amend the TIP by adding this project. The project will upgrade a fueling terminal located at [1206 Proctor Street](#) for use with biodiesel fuel. The FY 2019 cost is \$128,000 (\$64,000 federal/\$64,000 other/private). The total project cost is \$128,000. 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.) New Project 17-2017-055 (Knoxville and Holston River Railroad Locomotive Repower)** - Amend the TIP by adding this project. The project will repower five Tier 2 locomotives to Tier 4 Emissions Standards at Near Zero Emissions. The FY 2019 cost is \$10,670,000 (\$5,335,000 federal/\$5,335,000 other/private). The total project cost is \$10,670,000. 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.

In summary, it is the TPO staff's opinion that these 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. If I do not hear anything within two (2) weeks (**by Wednesday, August 22, 2018**) we will assume that you concur that these amendments are exempt from transportation conformity.

Thanks,

Mike Conger

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Mike Conger, P.E.

Senior Transportation Engineer

Knoxville Regional TPO

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