



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

January 4, 2018

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

SUBJECT: Adjustment to projects 17-2014-232 (Lenoir City ITS: Signal System Design) and 17-2014-079 (City of Loudon Traffic Flow Improvement Project)

Dear TDOT,

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

Adjustment 17-2014-232 (Lenoir City ITS: Signal System Design) - Adjust project by adding 20% state match (\$21,245) for the \$106,224 ADA costs to FY2018 CMAQ. Shift \$84,979 federal FY2017 CMAQ to FY2018 CMAQ to reflect 80% federal share for ADA costs. The total federal CMAQ amount remains unchanged. The total project increases by \$21,245 to \$1,354,745.

Adjustment 17-2014-079 (City of Loudon Traffic Flow Improvement Project) - Adjust project by adding 20% state match (\$41,609) for the \$208,045 ADA costs to FY2018 CMAQ. Shift \$166,436 federal FY2017 CMAQ to FY2018 CMAQ to reflect 80% federal share for ADA costs. Add the TDOT PIN 122610.00. The total federal CMAQ amount remains unchanged. The total project increases by \$41,609 to \$1,385,009.

These adjustments have been incorporated into our FY 2017-2020 TIP. The project pages and expenditure summary sheets are included with this letter. If you have any questions please contact me at (865) 215-3825.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth H. Watkins".

Elizabeth Watkins
Transportation Planner

Knoxville Regional Transportation Planning Organization

TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

ORIGINAL

TIP No.	17-2014-232	Revision No.	2	Mobility Plan No.	13-812
TDOT PIN	121453.00	STIP No.			
Project Name	Lenoir City ITS: Signal System Design				
Lead Agency	City of Lenoir City				
Total Project Cost	\$1,333,500				

Project Description	The project is to design and implement ITS signal system for 20 coordinated signals along US-321/SR-73 and US-11/SR-2.				
Termini/Intersection	U.S. 11 from G St to U.S. 321 (1.2 miles) and U.S. 321 from U.S. 11 to I-75 SB ramps (2.7 miles)				
Counties	Loudon				
City/Agency	City of Lenoir City				
Length	3.9	(miles)	Conformity Status	Exempt	

Additional Details: \$168,500 federal CMAQ funds previously obligated for this project.

Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2017	PE-N/PE-D/RW/CN	CMAQ	\$1,165,000	\$1,165,000	\$0	\$0	\$0
Total			\$1,165,000	\$1,165,000	\$0	\$0	\$0

Revision Date	4/27/2017
Revision Details	Adjust this project by updating Mobility Plan number.
Previous TIP No.	2014-232



Knoxville Regional Transportation Planning Organization

TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020 ADJUSTED

TIP No.	17-2014-232	Revision No.	3	Mobility Plan No.	13-812	
TDOT PIN	121453.00	STIP No.				
Project Name	Lenoir City ITS: Signal System Design					
Lead Agency	City of Lenoir City					
Total Project Cost	\$1,354,745					

Project Description	The project is to design and implement ITS signal system for 20 coordinated signals along US-321/SR-73 and US-11/SR-2.				
Termini/Intersection	U.S. 11 from G St to U.S. 321 (1.2 miles) and U.S. 321 from U.S. 11 to I-75 SB ramps (2.7 miles)				
Counties	Loudon				
City/Agency	City of Lenoir City				
Length	3.9	(miles)	Conformity Status	Exempt	

Additional Details
 ADA costs estimated to be \$106,224 and will be covered with 80/20 CMAQ with TDOT providing the 20% match.
 \$168,500 federal CMAQ funds previously obligated for this project.

Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2017	PE-N/PE-D/RW/CN	CMAQ	\$1,080,021	\$1,080,021	\$0	\$0	\$0
2018	PE-N/PE-D/RW/CN	CMAQ	\$106,224	\$84,979	\$21,245	\$0	\$0
Total			\$1,186,245	\$1,165,000	\$21,245	\$0	\$0

Revision Date	1/3/2018
Revision Details	Adjust project by adding 20% state match (\$21,245) for the \$106,224 ADA costs to FY2018 CMAQ. Shift \$84,979 federal FY2017 CMAQ to FY2018 CMAQ to reflect 80% federal share for ADA costs. The total federal CMAQ amount remains unchanged. The total project increases by \$21,245 to \$1,354,745.
Previous TIP No.	2014-232



Knoxville Regional Transportation Planning Organization

TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020 ORIGINAL

TIP No.	17-2014-079	Revision No.	1	Mobility Plan No.	17-802
TDOT PIN		STIP No.			
Project Name	City of Loudon Traffic Flow Improvement Project				
Lead Agency	City of Loudon				
Total Project Cost	\$1,343,400				

Project Description	Replace outdated infrastructure at seven signalized intersections, including updating vehicle detection, signal system communication and coordination.				
Termini/Intersection	Signalized intersections within city limits on U.S. Hwy 11 and State Route 72. U.S. 11 from SR 72 to Blair Bend Rd (2.7 miles) and SR 72 from Stekee St to Carding Machine Rd (1.3 miles).				
Counties	Loudon				
City/Agency	City of Loudon				
Length	4	(miles)	Conformity Status	Exempt	

Additional Details

Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2017	PE-N/PE-D/RW/CN	CMAQ	\$1,296,400	\$1,296,400	\$0	\$0	\$0
Total			\$1,296,400	\$1,296,400	\$0	\$0	\$0

Revision Date	4/27/2017
Revision Details	Adjust project to update Mobility Plan number.
Previous TIP No.	2014-079



Knoxville Regional Transportation Planning Organization

TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

ADJUSTED

TIP No.	17-2014-079	Revision No.	2	Mobility Plan No.	17-802	
TDOT PIN	122610.00	STIP No.				
Project Name	City of Loudon Traffic Flow Improvement Project					
Lead Agency	City of Loudon					
Total Project Cost	\$1,385,009					

Project Description	Replace outdated infrastructure at seven signalized intersections, including updating vehicle detection, signal system communication and coordination.
Termini/Intersection	Signalized intersections within city limits on U.S. Hwy 11 and State Route 72. U.S. 11 from SR 72 to Blair Bend Rd (2.7 miles) and SR 72 from Stekee St to Carding Machine Rd (1.3 miles).
Counties	Loudon
City/Agency	City of Loudon
Length	4 (miles) Conformity Status Exempt
Additional Details	ADA costs estimated to be \$208,045 and will be covered with 80/20 CMAQ with TDOT providing the 20% match.

Programmed Funds

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2017	PE-N/PE-D/RW/CN	CMAQ	\$1,129,964	\$1,129,964	\$0	\$0	\$0
2018	PE-N/PE-D/RW/CN	CMAQ	\$208,045	\$166,436	\$41,609	\$0	\$0
Total			\$1,338,009	\$1,296,400	\$41,609	\$0	\$0

Revision Date	1/3/2018
Revision Details	Adjust project by adding 20% state match (\$41,609) for the \$208,045 ADA costs to FY2018 CMAQ. Shift \$166,436 federal FY2017 CMAQ to FY2018 CMAQ to reflect 80% federal share for ADA costs. Add the TDOT PIN 122610.00. The total federal CMAQ amount remains unchanged. The total project increases by \$41,609 to \$1,385,009.
Previous TIP No.	2014-079



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	0.23
CMAQ	\$19,703,361	\$950,000	\$8,075,000	\$169,000	\$28,897,361	4.29
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.05
HPP	\$5,067,350	\$0	\$10,090,162	\$0	\$15,157,512	2.25
HSIP	\$4,585,888	\$3,467,360	\$3,467,360	\$3,467,360	\$14,987,968	2.23
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.09
LOCAL	\$36,500,000	\$8,000,000	\$0	\$0	\$44,500,000	6.61
L-STBG	\$53,014,277	\$15,192,306	\$11,677,984	\$14,253,870	\$94,138,437	13.99
L-STBG-TA	\$4,273,253	\$955,986	\$955,985	\$955,985	\$7,141,209	1.06
NHPP	\$182,596,884	\$110,777,435	\$6,676,577	\$43,976,577	\$344,027,473	51.12
PHSIP	\$3,101,500	\$601,500	\$601,500	\$601,500	\$4,906,000	0.73
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.35
RPHSIP	\$1,200,000	\$0	\$0	\$0	\$1,200,000	0.18
SECTION 5307	\$16,940,427	\$8,592,575	\$8,592,575	\$8,592,575	\$42,718,152	6.35
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.68
SECTION 5339	\$1,514,698	\$762,616	\$762,616	\$762,616	\$3,802,546	0.57
S-STBG	\$24,696,196	\$13,099,521	\$3,399,521	\$3,399,521	\$44,594,759	6.63
S-STBG-TA	\$3,282,876	\$0	\$0	\$0	\$3,282,876	0.49
STA	\$762,500	\$0	\$0	\$0	\$762,500	0.11
Total	\$371,984,757	\$168,876,750	\$55,104,669	\$76,984,393	\$672,950,569	100.00
Federal	\$268,577,868	\$128,209,525	\$45,392,861	\$61,315,441	\$503,495,695	74.82
State	\$48,812,256	\$29,194,614	\$5,782,500	\$12,224,468	\$96,013,838	14.27
Local	\$54,594,633	\$11,472,611	\$3,929,308	\$3,444,484	\$73,441,036	10.91
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	0.23
CMAQ	\$19,703,361	\$950,000	\$8,075,000	\$169,000	\$28,897,361	4.29
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.05
HPP	\$5,067,350	\$0	\$10,090,162	\$0	\$15,157,512	2.25
HSIP	\$4,585,888	\$3,467,360	\$3,467,360	\$3,467,360	\$14,987,968	2.23
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.09
LOCAL	\$36,500,000	\$8,000,000	\$0	\$0	\$44,500,000	6.61
L-STBG	\$53,014,277	\$15,192,306	\$11,677,984	\$14,253,870	\$94,138,437	13.99
L-STBG-TA	\$4,273,253	\$955,986	\$955,985	\$955,985	\$7,141,209	1.06
NHPP	\$182,596,884	\$110,777,435	\$6,676,577	\$43,976,577	\$344,027,473	51.12
PHSIP	\$3,101,500	\$601,500	\$601,500	\$601,500	\$4,906,000	0.73
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.35
RPHSIP	\$1,200,000	\$0	\$0	\$0	\$1,200,000	0.18
SECTION 5307	\$16,940,427	\$8,592,575	\$8,592,575	\$8,592,575	\$42,718,152	6.35
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.68
SECTION 5339	\$1,514,698	\$762,616	\$762,616	\$762,616	\$3,802,546	0.57
S-STBG	\$24,696,196	\$13,099,521	\$3,399,521	\$3,399,521	\$44,594,759	6.63
S-STBG-TA	\$3,282,876	\$0	\$0	\$0	\$3,282,876	0.49
STA	\$762,500	\$0	\$0	\$0	\$762,500	0.11
Total	\$371,984,757	\$168,876,750	\$55,104,669	\$76,984,393	\$672,950,569	100.00
Federal	\$268,577,868	\$128,209,525	\$45,392,861	\$61,315,441	\$503,495,695	74.82
State	\$48,812,256	\$29,194,614	\$5,782,500	\$12,224,468	\$96,013,838	14.27
Local	\$54,594,633	\$11,472,611	\$3,929,308	\$3,444,484	\$73,441,036	10.91
Other	\$0	\$0	\$0	\$0	\$0	0.00

KNOXVILLE REGIONAL TPO TRANSPORTATION IMPROVEMENT PROGRAM FY 2017-2020

ADJUSTED

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	0.23
CMAQ	\$19,451,946	\$1,264,269	\$8,075,000	\$169,000	\$28,960,215	4.30
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.05
HPP	\$5,067,350	\$0	\$10,090,162	\$0	\$15,157,512	2.25
HSIP	\$4,585,888	\$3,467,360	\$3,467,360	\$3,467,360	\$14,987,968	2.23
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.09
LOCAL	\$36,500,000	\$8,000,000	\$0	\$0	\$44,500,000	6.61
L-STBG	\$53,014,277	\$15,192,306	\$11,677,984	\$14,253,870	\$94,138,437	13.99
L-STBG-TA	\$4,273,253	\$955,986	\$955,985	\$955,985	\$7,141,209	1.06
NHPP	\$182,596,884	\$110,777,435	\$6,676,577	\$43,976,577	\$344,027,473	51.12
PHSIP	\$3,101,500	\$601,500	\$601,500	\$601,500	\$4,906,000	0.73
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.35
RPHSIP	\$1,200,000	\$0	\$0	\$0	\$1,200,000	0.18
SECTION 5307	\$16,940,427	\$8,592,575	\$8,592,575	\$8,592,575	\$42,718,152	6.35
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.68
SECTION 5339	\$1,514,698	\$762,616	\$762,616	\$762,616	\$3,802,546	0.57
S-STBG	\$24,696,196	\$13,099,521	\$3,399,521	\$3,399,521	\$44,594,759	6.63
S-STBG-TA	\$3,282,876	\$0	\$0	\$0	\$3,282,876	0.49
STA	\$762,500	\$0	\$0	\$0	\$762,500	0.11
Total	\$371,733,342	\$169,191,019	\$55,104,669	\$76,984,393	\$673,013,423	100.00
Federal	\$268,326,453	\$128,460,940	\$45,392,861	\$61,315,441	\$503,495,695	74.81
State	\$48,812,256	\$29,257,468	\$5,782,500	\$12,224,468	\$96,076,692	14.28
Local	\$54,594,633	\$11,472,611	\$3,929,308	\$3,444,484	\$73,441,036	10.91
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	0.23
CMAQ	\$19,451,946	\$1,264,269	\$8,075,000	\$169,000	\$28,960,215	4.30
EN	\$0	\$326,000	\$0	\$0	\$326,000	0.05
HPP	\$5,067,350	\$0	\$10,090,162	\$0	\$15,157,512	2.25
HSIP	\$4,585,888	\$3,467,360	\$3,467,360	\$3,467,360	\$14,987,968	2.23
LIC	\$602,500	\$0	\$0	\$0	\$602,500	0.09
LOCAL	\$36,500,000	\$8,000,000	\$0	\$0	\$44,500,000	6.61
L-STBG	\$53,014,277	\$15,192,306	\$11,677,984	\$14,253,870	\$94,138,437	13.99
L-STBG-TA	\$4,273,253	\$955,986	\$955,985	\$955,985	\$7,141,209	1.06
NHPP	\$182,596,884	\$110,777,435	\$6,676,577	\$43,976,577	\$344,027,473	51.12
PHSIP	\$3,101,500	\$601,500	\$601,500	\$601,500	\$4,906,000	0.73
RNHPP	\$11,566,043	\$4,236,062	\$0	\$0	\$15,802,105	2.35
RPHSIP	\$1,200,000	\$0	\$0	\$0	\$1,200,000	0.18
SECTION 5307	\$16,940,427	\$8,592,575	\$8,592,575	\$8,592,575	\$42,718,152	6.35
SECTION 5310	\$2,127,004	\$805,389	\$805,389	\$805,389	\$4,543,171	0.68
SECTION 5339	\$1,514,698	\$762,616	\$762,616	\$762,616	\$3,802,546	0.57
S-STBG	\$24,696,196	\$13,099,521	\$3,399,521	\$3,399,521	\$44,594,759	6.63
S-STBG-TA	\$3,282,876	\$0	\$0	\$0	\$3,282,876	0.49
STA	\$762,500	\$0	\$0	\$0	\$762,500	0.11
Total	\$371,733,342	\$169,191,019	\$55,104,669	\$76,984,393	\$673,013,423	100.00
Federal	\$268,326,453	\$128,460,940	\$45,392,861	\$61,315,441	\$503,495,695	74.81
State	\$48,812,256	\$29,257,468	\$5,782,500	\$12,224,468	\$96,076,692	14.28
Local	\$54,594,633	\$11,472,611	\$3,929,308	\$3,444,484	\$73,441,036	10.91
Other	\$0	\$0	\$0	\$0	\$0	0.00

Note: Financial tables run on 1/4/2018 and show a reduction of \$251,415 to FY2017 CMAQ and an increase of \$314,269 to FY2018 CMAQ.