



April 16, 2021

Tennessee Department of Transportation  
James K. Polk Building, Suite 1800  
505 Deaderick Street  
Nashville, TN 37243-0349

SUBJECT: Administrative Modification to project 20-2014-042 (Traffic Control Equipment Upgrade)

Dear TDOT,

The Knoxville Regional TPO requests concurrence by TDOT to administratively modify the FY 2020-2023 TIP concerning the following project:

**Administrative Modification 20-2014-042 (Traffic Control Equipment Upgrade)** - Modify project to revise the federal funding sources for the construction phase in FY 2021 to remove L-STBG funds to be replaced by CMAQ funds recently awarded to the project. L-STBG funding is reduced by \$4,060,000 (-\$3,248,000 federal/-\$812,000 local). CMAQ funding is increased by \$4,060,000 (\$4,000,000 federal/\$60,000 local). The funding split for the CN total of \$10,041,000 is revised to \$812,000 federal L-STBG/\$8,966,000 federal CMAQ/\$263,000 local. No net funds are added to the TIP with this modification and the total project cost remains \$12,166,000.

This administrative modification has been incorporated into our FY 2020-2023 TIP. The project pages, relevant financial tables and TDOT Local Programs concurrence 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 "C. Luebke".

Craig Luebke, AICP  
Transportation Planner

# Knoxville Regional Transportation Planning Organization

## TRANSPORTATION IMPROVEMENT PROGRAM FY 2020-2023

ORIGINAL

TIP No.	20-2014-042	Revision No.	2	Mobility Plan No.	13-602	
TDOT PIN	120004.00	STIP No.				
Project Name	Traffic Control Equipment Upgrade - Knoxville					
Lead Agency	City of Knoxville					
Total Project Cost	\$12,166,000					

Project Description	Purchase, installation and integration of signal controllers, signal monitors, closed loop equipment and software. Includes development of new signal timing plans for the new equipment and software. Includes DSRC, data probing hardware, enhanced vehicle detection, battery backup, etc. (elements formerly listed under PIN#s 128832.00, 128834.00).				
Termini/Intersection	Kingston Pike (US-70/SR-1) from Huxley Rd. to Metron Center Way (11.7 mi.), Broadway (US-441/SR-33) from Jackson Ave. to Foley Dr. (7.1 mi.), West Town Way from Montvue Rd. to Buckingham Dr. (0.38 mi.) and Tazewell Pike/Old Broadway from Old Broadway to I-640 EB exit ramp (0.32 mi.)				
Counties	Knox				
City/Agency	City of Knoxville				
Length	19.5	(miles)	Conformity Status	Exempt	

Additional Details	\$824,880 federal L-STP funds previously obligated.				
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**Programmed Funds**

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2021	CON	CMAQ	\$4,966,000	\$4,966,000	\$0	\$0	\$0
2021	CON	L-STBG	\$5,075,000	\$4,060,000	\$0	\$1,015,000	\$0
2021	PE-D	L-STBG	\$893,900	\$715,120	\$0	\$178,780	\$0
2021	ROW	CMAQ	\$200,000	\$200,000	\$0	\$0	\$0
<b>Total</b>			<b>\$11,134,900</b>	<b>\$9,941,120</b>	<b>\$0</b>	<b>\$1,193,780</b>	<b>\$0</b>

Revision Date	2/8/2021
Revision Details	Modify project to revise the project schedule and reflect necessary Right of Way (ROW) phase work in FY 2021. All phases are revised from FY 2020 to FY 2021 and \$200,000 CMAQ (100% federal) is moved from construction to the ROW phase for required utility work. The FY 21 ROW phase costs total \$200,000 (100% federal) and the revised CN phase totals \$10,041,000 (\$4,060,000 federal L-STBG/\$4,966,000 federal CMAQ/\$1,015,000 local). No funds are added to the TIP with this adjustment and the total project cost remains \$12,166,000.
Previous TIP No.	2006-111, 2008-051, 2011-057, 2014-042, 17-2014-042



# Knoxville Regional Transportation Planning Organization TRANSPORTATION IMPROVEMENT PROGRAM FY 2020-2023

MODIFIED

TIP No.	20-2014-042	Revision No.	3	Mobility Plan No.	13-602
TDOT PIN	120004.00	STIP No.			
Project Name	Traffic Control Equipment Upgrade - Knoxville				
Lead Agency	City of Knoxville				
Total Project Cost	\$12,166,000				

Project Description	Purchase, installation and integration of signal controllers, signal monitors, closed loop equipment and software. Includes development of new signal timing plans for the new equipment and software. Includes DSRC, data probing hardware, enhanced vehicle detection, battery backup, etc. (elements formerly listed under PIN#s 128832.00, 128834.00).				
Termini/Intersection	Kingston Pike (US-70/SR-1) from Huxley Rd. to Metron Center Way (11.7 mi.), Broadway (US-441/SR-33) from Jackson Ave. to Foley Dr. (7.1 mi.), West Town Way from Montvue Rd. to Buckingham Dr. (0.38 mi.) and Tazewell Pike/Old Broadway from Old Broadway to I-640 EB exit ramp (0.32 mi.)				
Counties	Knox				
City/Agency	City of Knoxville				
Length	19.5	(miles)	Conformity Status	Exempt	

Additional Details	\$824,880 federal L-STP funds previously obligated.				
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**Programmed Funds**

FY	Phase	Funding Type	Total Funds	Federal	State	Local	Other
2021	CON	CMAQ	\$9,026,000	\$8,966,000	\$0	\$60,000	\$0
2021	CON	L-STBG	\$1,015,000	\$812,000	\$0	\$203,000	\$0
2021	PE-D	L-STBG	\$893,900	\$715,120	\$0	\$178,780	\$0
2021	ROW	CMAQ	\$200,000	\$200,000	\$0	\$0	\$0
<b>Total</b>			<b>\$11,134,900</b>	<b>\$10,693,120</b>	<b>\$0</b>	<b>\$441,780</b>	<b>\$0</b>

Revision Date	4/15/2021
Revision Details	Modify project to revise the federal funding sources for the construction phase in FY 2021 to remove L-STBG funds to be replaced by CMAQ funds recently awarded to the project. L-STBG funding is reduced by \$4,060,000 (-\$3,248,000 federal/- \$812,000 local). CMAQ funding is increased by \$4,060,000 (\$4,000,000 federal/\$60,000 local). The funding split for the CN total of \$10,041,000 is revised to \$812,000 federal L-STBG/\$8,966,000 federal CMAQ/\$263,000 local. No net funds are added to the TIP with this modification and the total project cost remains \$12,166,000.
Previous TIP No.	2006-111, 2008-051, 2011-057, 2014-042, 17-2014-042



Table 1. Summary of Programmed Revenues

Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	Total	Share (%)
ACNHPP	\$74,000,000	\$6,000,000	\$0	\$0	\$80,000,000	11.44
CMAQ	\$21,200,398	\$13,260,317	\$6,260,822	\$2,725,460	\$43,446,997	6.21
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.58
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.47
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	2.90
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.02
LOCAL	\$3,146,889	\$9,100,222	\$2,500,000	\$5,418,000	\$20,165,111	2.88
L-STBG	\$28,429,077	\$31,100,540	\$23,430,138	\$17,005,685	\$99,965,440	14.29
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.50
NHPP	\$83,422,500	\$104,581,500	\$94,660,000	\$21,744,000	\$304,408,000	43.52
PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.13
PRIVATE	\$0	\$242,022	\$0	\$0	\$242,022	0.03
RHSIP	\$950,000	\$0	\$0	\$0	\$950,000	0.14
SECTION 5307	\$8,919,689	\$8,980,763	\$8,666,341	\$8,666,341	\$35,233,134	5.04
SECTION 5310	\$861,825	\$861,825	\$861,825	\$861,825	\$3,447,300	0.49
SECTION 5339	\$974,664	\$895,630	\$931,120	\$931,120	\$3,732,534	0.53
S-STBG	\$18,100,000	\$25,643,292	\$2,800,000	\$16,800,000	\$63,343,292	9.06
S-STBG-TA	\$0	\$890,565	\$0	\$4,325,798	\$5,216,363	0.75
<b>Total</b>	<b>\$263,029,597</b>	<b>\$212,320,776</b>	<b>\$144,080,159</b>	<b>\$79,999,154</b>	<b>\$699,429,686</b>	<b>100.00</b>
Federal	\$151,663,171	\$159,998,042	\$113,949,779	\$59,564,428	\$485,175,420	69.37
State	\$102,015,427	\$32,717,168	\$20,033,816	\$10,294,161	\$165,060,572	23.60
Local	\$8,887,844	\$18,872,350	\$9,634,173	\$9,678,174	\$47,072,541	6.73
Other	\$463,155	\$733,216	\$462,391	\$462,391	\$2,121,153	0.30

Table 2. Summary of Programmed Expenditures

Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	Total	Share (%)
ACNHPP	\$74,000,000	\$6,000,000	\$0	\$0	\$80,000,000	11.44
CMAQ	\$21,200,398	\$13,260,317	\$6,260,822	\$2,725,460	\$43,446,997	6.21
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.58
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.47
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	2.90
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.02
LOCAL	\$3,146,889	\$9,100,222	\$2,500,000	\$5,418,000	\$20,165,111	2.88
L-STBG	\$28,429,077	\$31,100,540	\$23,430,138	\$17,005,685	\$99,965,440	14.29
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.50
NHPP	\$83,422,500	\$104,581,500	\$94,660,000	\$21,744,000	\$304,408,000	43.52
PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.13
PRIVATE	\$0	\$242,022	\$0	\$0	\$242,022	0.03
RHSIP	\$950,000	\$0	\$0	\$0	\$950,000	0.14
SECTION 5307	\$8,919,689	\$8,980,763	\$8,666,341	\$8,666,341	\$35,233,134	5.04
SECTION 5310	\$861,825	\$861,825	\$861,825	\$861,825	\$3,447,300	0.49
SECTION 5339	\$974,664	\$895,630	\$931,120	\$931,120	\$3,732,534	0.53
S-STBG	\$18,100,000	\$25,643,292	\$2,800,000	\$16,800,000	\$63,343,292	9.06
S-STBG-TA	\$0	\$890,565	\$0	\$4,325,798	\$5,216,363	0.75
<b>Total</b>	<b>\$263,029,597</b>	<b>\$212,320,776</b>	<b>\$144,080,159</b>	<b>\$79,999,154</b>	<b>\$699,429,686</b>	<b>100.00</b>
Federal	\$151,663,171	\$159,998,042	\$113,949,779	\$59,564,428	\$485,175,420	69.37
State	\$102,015,427	\$32,717,168	\$20,033,816	\$10,294,161	\$165,060,572	23.60
Local	\$8,887,844	\$18,872,350	\$9,634,173	\$9,678,174	\$47,072,541	6.73
Other	\$463,155	\$733,216	\$462,391	\$462,391	\$2,121,153	0.30

**KNOXVILLE REGIONAL TPO TRANSPORTATION IMPROVEMENT PROGRAM FY 2020-2023**

MODIFIED

**Table 1. Summary of Programmed Revenues**

Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	Total	Share (%)
ACNHPP	\$74,000,000	\$6,000,000	\$0	\$0	\$80,000,000	11.44
CMAQ	\$21,200,398	\$17,320,317	\$6,260,822	\$2,725,460	\$47,506,997	6.79
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.58
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.47
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	2.90
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.02
LOCAL	\$3,146,889	\$9,100,222	\$2,500,000	\$5,418,000	\$20,165,111	2.88
L-STBG	\$28,429,077	\$27,040,540	\$23,430,138	\$17,005,685	\$95,905,440	13.71
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.50
NHPP	\$83,422,500	\$104,581,500	\$94,660,000	\$21,744,000	\$304,408,000	43.52
PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.13
PRIVATE	\$0	\$242,022	\$0	\$0	\$242,022	0.03
RHSIP	\$950,000	\$0	\$0	\$0	\$950,000	0.14
SECTION 5307	\$8,919,689	\$8,980,763	\$8,666,341	\$8,666,341	\$35,233,134	5.04
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S-STBG-TA	\$0	\$890,565	\$0	\$4,325,798	\$5,216,363	0.75
<b>Total</b>	<b>\$263,029,597</b>	<b>\$212,320,776</b>	<b>\$144,080,159</b>	<b>\$79,999,154</b>	<b>\$699,429,686</b>	<b>100.00</b>
Federal	\$151,663,171	\$160,750,042	\$113,949,779	\$59,564,428	\$485,927,420	69.47
State	\$102,015,427	\$32,717,168	\$20,033,816	\$10,294,161	\$165,060,572	23.60
Local	\$8,887,844	\$18,120,350	\$9,634,173	\$9,678,174	\$46,320,541	6.62
Other	\$463,155	\$733,216	\$462,391	\$462,391	\$2,121,153	0.30

**Table 2. Summary of Programmed Expenditures**

Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	Total	Share (%)
ACNHPP	\$74,000,000	\$6,000,000	\$0	\$0	\$80,000,000	11.44
CMAQ	\$21,200,398	\$17,320,317	\$6,260,822	\$2,725,460	\$47,506,997	6.79
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.58
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.47
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	2.90
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.02
LOCAL	\$3,146,889	\$9,100,222	\$2,500,000	\$5,418,000	\$20,165,111	2.88
L-STBG	\$28,429,077	\$27,040,540	\$23,430,138	\$17,005,685	\$95,905,440	13.71
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.50
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PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.13
PRIVATE	\$0	\$242,022	\$0	\$0	\$242,022	0.03
RHSIP	\$950,000	\$0	\$0	\$0	\$950,000	0.14
SECTION 5307	\$8,919,689	\$8,980,763	\$8,666,341	\$8,666,341	\$35,233,134	5.04
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SECTION 5339	\$974,664	\$895,630	\$931,120	\$931,120	\$3,732,534	0.53
S-STBG	\$18,100,000	\$25,643,292	\$2,800,000	\$16,800,000	\$63,343,292	9.06
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<b>Total</b>	<b>\$263,029,597</b>	<b>\$212,320,776</b>	<b>\$144,080,159</b>	<b>\$79,999,154</b>	<b>\$699,429,686</b>	<b>100.00</b>
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State	\$102,015,427	\$32,717,168	\$20,033,816	\$10,294,161	\$165,060,572	23.60
Local	\$8,887,844	\$18,120,350	\$9,634,173	\$9,678,174	\$46,320,541	6.62
Other	\$463,155	\$733,216	\$462,391	\$462,391	\$2,121,153	0.30

NOTE: Financial Tables run on 4/15/21 and reflect:

FY 2021: L-STBG -\$4,060,000 (Federal: -\$3,248,000 Local: -\$812,000)

FY 2021: CMAQ +\$4,060,000 (Federal: \$4,000,000 Local: \$60,000)



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

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**RE: [EXTERNAL] Re: Draft Modification 68 Review 20-2014-042**

1 message

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**Taylor M. Lee** <Taylor.M.Lee@tn.gov>

Fri, Apr 16, 2021 at 9:01 AM

To: Craig Luebke &lt;craig.luebke@knoxtpo.org&gt;

Cc: Deborah Fleming &lt;Deborah.Fleming@tn.gov&gt;, Brianna Benson &lt;Brianna.Benson@tn.gov&gt;

Good Morning,

I concur with the updated TIP page.

Thank you,

**Taylor Michael Lee** | Transportation Program Supervisor-Regions 1 & 3

Local Programs Development Office

James K. Polk Building, 6<sup>th</sup> Floor[505 Deaderick Street, Nashville, TN 37243](#)

p. 615-532-3166

[Taylor.M.Lee@tn.gov](mailto:Taylor.M.Lee@tn.gov)<https://www.tn.gov/tdot/local-programs>

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**From:** Craig Luebke <craig.luebke@knoxtpo.org>**Sent:** Thursday, April 15, 2021 4:00 PM**To:** Taylor M. Lee <Taylor.M.Lee@tn.gov>**Cc:** Deborah Fleming <Deborah.Fleming@tn.gov>; Brianna Benson <Brianna.Benson@tn.gov>**Subject:** [EXTERNAL] Re: Draft Modification 68 Review 20-2014-042

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

I really should review my draft before having you review it.

Fix attached to correct funding note with financial tables to reflect increased CMAQ.

--

Craig Luebke, AICP

Transportation Planner

865.215.3825

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**Knoxville-Knox County Planning | Knoxville Regional TPO**

400 Main Street, Suite 403 | Knoxville, TN 37902

On Thu, Apr 15, 2021 at 4:48 PM Craig Luebke <[craig.luebke@knoxtpo.org](mailto:craig.luebke@knoxtpo.org)> wrote:

Taylor,

See attached draft TIP modification to revise the federal funding split for review/concurrence. Copying CMAQ office as well since this is their \$.

Please respond with your concurrence/comments.

Thanks for your consultation.

--

Craig Luebke, AICP

Transportation Planner

865.215.3825

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**Knoxville-Knox County Planning | Knoxville Regional TPO**

400 Main Street, Suite 403 | Knoxville, TN 37902