



tpo

KNOXVILLE REGIONAL

February 8, 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 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.

This administrative modification has been incorporated into our FY 2020-2023 TIP. The project pages and relevant financial tables are included with this letter. If you have any questions please contact me at (865) 215-3825.

Sincerely,

Craig Luebke, AICP
Transportation Planner

Knoxville Regional Transportation Planning Organization

TRANSPORTATION IMPROVEMENT PROGRAM FY 2020-2023

TIP No.	20-2014-042	Revision No.	1	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
2020	CON	CMAQ	\$5,166,000	\$5,166,000	\$0	\$0	\$0
2020	CON	L-STBG	\$5,075,000	\$4,060,000	\$0	\$1,015,000	\$0
2020	PE-D	L-STBG	\$893,900	\$715,120	\$0	\$178,780	\$0
Total			\$11,134,900	\$9,941,120	\$0	\$1,193,780	\$0

Revision Date	6/11/2020
Revision Details	<p>Modify project to consolidate related projects (PIN#s 128832.00 and 128834.00), revise the project description to reflect the combined scope and revise funding to reflect all funding, including previously unobligated funds. The project description is revised to reflect a consolidated scope incorporating work previously listed across three projects. The termini are revised to reflect the overall project limits along the corridors of Kingston Pike (Huxley Road to Metron Center) and Broadway (Jackson Avenue to Foley Drive), as well as associated work on West Town Way and Tazewell Pike/Old Broadway. The project length is corrected to 19.5 miles. The revised project includes a PE-D phase totaling \$893,900 (\$715,120 federal L-STBG/\$178,780 local) in FY 2020 and FY 2020 CN phase totaling \$10,241,000 (\$4,060,000 federal L-STBG/\$5,166,000 federal CMAQ/ \$1,015,000 local). This modification adds \$618,900 L-STBG (\$495,120 federal/\$123,780 local) to the TIP. The added funds were anticipated to be obligated out of the previous TIP; however, this did not occur. The \$5,166,000 CMAQ funds added to the project are not funding additions to the TIP. The funds are consolidated from TIP project #s 20-2017-058 and 20-2017-060, which are removed with this modification. The total project cost is revised to \$12,166,000.</p>

Previous TIP No.	2006-111, 2008-051, 2011-057, 2014-042, 17-2014-042
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Knoxville Regional Transportation Planning Organization

TRANSPORTATION IMPROVEMENT PROGRAM FY 2020-2023

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
Total			\$11,134,900	\$9,941,120	\$0	\$1,193,780	\$0

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 TPO TRANSPORTATION IMPROVEMENT PROGRAM FY 2020-2023

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	12.35
CMAQ	\$26,551,721	\$8,953,264	\$6,095,912	\$96,100	\$41,696,997	6.44
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.63
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.58
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	3.13
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.03
LOCAL	\$3,301,889	\$8,000,000	\$0	\$0	\$11,301,889	1.75
L-STBG	\$36,504,086	\$23,837,858	\$24,390,138	\$17,005,685	\$101,737,767	15.71
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.54
NHPP	\$83,922,500	\$96,017,500	\$77,360,000	\$21,744,000	\$279,044,000	43.09
PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.14
RHSIP	\$950,000	\$0	\$0	\$0	\$950,000	0.15
SECTION 5307	\$8,919,689	\$8,666,341	\$8,666,341	\$8,666,341	\$34,918,712	5.39
SECTION 5310	\$861,825	\$861,825	\$861,825	\$861,825	\$3,447,300	0.53
SECTION 5339	\$974,664	\$931,120	\$931,120	\$931,120	\$3,768,024	0.58
S-STBG	\$18,625,000	\$16,196,063	\$2,800,000	\$8,600,000	\$46,221,063	7.14
S-STBG-TA	\$0	\$890,565	\$0	\$4,325,798	\$5,216,363	0.81
Total	\$277,635,929	\$181,118,636	\$125,075,249	\$63,751,794	\$647,581,608	100.00
Federal	\$164,297,339	\$135,640,302	\$100,712,869	\$50,375,068	\$451,025,578	69.65
State	\$102,220,427	\$28,864,756	\$16,573,816	\$8,654,161	\$156,313,160	24.14
Local	\$10,655,008	\$16,151,187	\$7,326,173	\$4,260,174	\$38,392,542	5.93
Other	\$463,155	\$462,391	\$462,391	\$462,391	\$1,850,328	0.29

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	12.35
CMAQ	\$26,551,721	\$8,953,264	\$6,095,912	\$96,100	\$41,696,997	6.44
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.63
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.58
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	3.13
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.03
LOCAL	\$3,301,889	\$8,000,000	\$0	\$0	\$11,301,889	1.75
L-STBG	\$36,504,086	\$23,837,858	\$24,390,138	\$17,005,685	\$101,737,767	15.71
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.54
NHPP	\$83,922,500	\$96,017,500	\$77,360,000	\$21,744,000	\$279,044,000	43.09
PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.14
RHSIP	\$950,000	\$0	\$0	\$0	\$950,000	0.15
SECTION 5307	\$8,919,689	\$8,666,341	\$8,666,341	\$8,666,341	\$34,918,712	5.39
SECTION 5310	\$861,825	\$861,825	\$861,825	\$861,825	\$3,447,300	0.53
SECTION 5339	\$974,664	\$931,120	\$931,120	\$931,120	\$3,768,024	0.58
S-STBG	\$18,625,000	\$16,196,063	\$2,800,000	\$8,600,000	\$46,221,063	7.14
S-STBG-TA	\$0	\$890,565	\$0	\$4,325,798	\$5,216,363	0.81
Total	\$277,635,929	\$181,118,636	\$125,075,249	\$63,751,794	\$647,581,608	100.00
Federal	\$164,297,339	\$135,640,302	\$100,712,869	\$50,375,068	\$451,025,578	69.65
State	\$102,220,427	\$28,864,756	\$16,573,816	\$8,654,161	\$156,313,160	24.14
Local	\$10,655,008	\$16,151,187	\$7,326,173	\$4,260,174	\$38,392,542	5.93
Other	\$463,155	\$462,391	\$462,391	\$462,391	\$1,850,328	0.29

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	12.35
CMAQ	\$21,385,721	\$14,119,264	\$6,095,912	\$96,100	\$41,696,997	6.44
HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.63
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.58
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	3.13
HSIP-R	\$0	\$100,000	\$14,100	\$7,050	\$121,150	0.02
LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.03
LOCAL	\$3,301,889	\$8,000,000	\$0	\$0	\$11,301,889	1.75
L-STBG	\$30,535,186	\$29,806,758	\$24,390,138	\$17,005,685	\$101,737,767	15.71
L-STBG-TA	\$0	\$250,000	\$2,622,500	\$625,000	\$3,497,500	0.54
NHPP	\$83,922,500	\$96,017,500	\$77,360,000	\$21,744,000	\$279,044,000	43.09
PHSIP	\$41,625	\$850,000	\$20,813	\$13,875	\$926,313	0.14
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S-STBG	\$18,625,000	\$16,196,063	\$2,800,000	\$8,600,000	\$46,221,063	7.14
S-STBG-TA	\$0	\$890,565	\$0	\$4,325,798	\$5,216,363	0.81
Total	\$266,501,029	\$192,253,536	\$125,075,249	\$63,751,794	\$647,581,608	100.00
Federal	\$154,356,219	\$145,581,422	\$100,712,869	\$50,375,068	\$451,025,578	69.65
State	\$102,220,427	\$28,864,756	\$16,573,816	\$8,654,161	\$156,313,160	24.14
Local	\$9,461,228	\$17,344,967	\$7,326,173	\$4,260,174	\$38,392,542	5.93
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HIP	\$0	\$4,064,100	\$0	\$0	\$4,064,100	0.63
HPP	\$10,249,872	\$0	\$0	\$0	\$10,249,872	1.58
HSIP	\$12,561,100	\$5,500,000	\$1,312,500	\$875,000	\$20,248,600	3.13
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LIC	\$171,958	\$0	\$0	\$0	\$171,958	0.03
LOCAL	\$3,301,889	\$8,000,000	\$0	\$0	\$11,301,889	1.75
L-STBG	\$30,535,186	\$29,806,758	\$24,390,138	\$17,005,685	\$101,737,767	15.71
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Total	\$266,501,029	\$192,253,536	\$125,075,249	\$63,751,794	\$647,581,608	100.00
Federal	\$154,356,219	\$145,581,422	\$100,712,869	\$50,375,068	\$451,025,578	69.65
State	\$102,220,427	\$28,864,756	\$16,573,816	\$8,654,161	\$156,313,160	24.14
Local	\$9,461,228	\$17,344,967	\$7,326,173	\$4,260,174	\$38,392,542	5.93
Other	\$463,155	\$462,391	\$462,391	\$462,391	\$1,850,328	0.29

NOTE: Financial Tables run on 2/8/21 and reflect:

FY 2020: L-STBG: -\$5,968,900 (Federal: -\$4,775,120 Local: -\$1,193,780)

FY 2020: CMAQ: -\$5,166,000 (Federal: -\$5,166,000)

FY 2021: L-STBG: +\$5,968,900 (Federal: \$4,775,120 Local: \$1,193,780)

FY 2021: CMAQ: +\$5,166,000 (Federal: \$5,166,000)