

## **2021-2024 Transportation Improvement Program – Amendment #5 and Program of Projects for the Lawrence Transit System**

The 15-day public comment period for this TIP Amendment starts on March 10 and will end on March 25. This TIP Amendment will come before the Lawrence-Douglas County Metropolitan Planning Organization (MPO) Policy Board for approval on April 21, 2022. The TIP is a multi-year listing of federally funded and/or regionally significant transportation improvement projects. This public notice on the TIP development process satisfies the FTA's Program of Projects requirements for the Lawrence Transit System.

Approval of this TIP Amendment will include the addition and revision of costs and schedules for roadway, bicycle/pedestrian projects. Changes to the TIP text and project tables are being made to reflect these changes and to maintain the fiscally constrained status of this document. Public comments received will be reported and considered by the MPO Policy Board where decisions pertaining to revising this document will be made prior to final approval.

The items included in this TIP Amendment can be viewed online at:

[www.lawrenceks.org/mpo/tip](http://www.lawrenceks.org/mpo/tip); a paper copy will be available at Lawrence City Hall Riverfront - Planning & Development Services Office (1 Riverfront Plaza, Suite 320).

Written comments may be emailed to [mpo@lawrenceks.org](mailto:mpo@lawrenceks.org) or mailed to the Lawrence-Douglas County Metropolitan Planning Organization, PO Box 708, Lawrence, KS 66044-0708.

Draft TIP document begins on next page →

## FFY 2021 - 2024 L-DC MPO Transportation Improvement Program (TIP)

## Revision Summary: Amendment 5



TIP #:	KDOT #:	Project Name:	Project Sponsor:	Action:	Transportation 2040 Inclusion:	Revision Description:	Total Project Cost:
147	KA-6550-01	K-33: Beginning (north project limits of KA-3951-01) from 50 feet north of 6th Street in Wellsville north to the...	KDOT	New	Strategy - Design and build roadways for the safety of all users; page 166	A portion of this project is in Douglas County. It includes resurfacing and widening shoulders. Project is authorized for PE ONLY. The estimated total project cost is \$14,967 which shall be used for planning purposes only.	\$2,000
142	KA-2841-02	US-40/K-10 Interchange Improvement (Diverging Diamond Interchange)	KDOT	Revision	#142; page 179	Revising 2021 State ROW to 2022, 2025 Credit from -\$1,197 to -\$11,096, 2025 NHPP CONVERSION from \$1,197 to \$11,096 and program 2023 State-AC CONST \$9,899, and 2023 State CONST \$2,475. Also updating the description to include bridge #088 for ped protection	\$14,215
143	KA-6015-01	US-56 Reconstruction: US-56/US-59 Junction east to 1600 Rd.	KDOT	Revision	#143; page 179	Revising estimated total project cost from \$14,820 to \$15,486, 2021 State PE from \$240 to \$250.8, 2021 State-AC PE from \$960 to \$1,003.2, Non-Federal Total from \$1,200 to \$1,003.2, and add Conversion to NHPP in 2026	\$1,200
144	KA-6350-01	South Iowa St. Traffic Signal Improvement Project	Lawrence	Revision	Strategy - Deploy technology and other alternative strategies to relieve congestion; page 166	Revising Local CONST and Fedearl CONST from Federal Fiscal Year 2021 to 2022.	\$863
234	KA-4473-01	23rd Street Reconstruction: Haskell to East City Limits	Lawrence	Revision	#114x; page 176	Remove 2021 State CONST \$2,000 and revise 2022 State CONST from \$2,000 to \$4,000. Revise from Local CONST 2021 to Local CONST 2022 and revise Local CONST 2022 to Local CONST 2023.	\$10,850
237	KA-3634-03	SLT/K-10 West Leg in Douglas County	KDOT	Revision	#237; page 179	Revising description from, "A new interchange approx .8 mi east of Wakarusa/27th Int. Kasold Dr./E1200 Rd will be closed." to "...and a new interchange for the Wakarusa/27th St. intersection including replacing/repairing bridges." Add cost est. of \$164,000	\$30,800
512	TE-0490-01	Lawrence Loop Shared Use Path: Peterson Rd to Michigan St	Lawrence	Revision	Strategy - Implement the Countywide Bikeway Plan; page 157	Revising 2022 Local CONST from \$1,056 to \$1,084.	\$2,370

Public Comment Period: 3/10/2022 to 3/25/2022

MPO Policy Board Approval: 4/21/2022



## Amendment 5

# Lawrence-Douglas County MPO FFY 2021 - 2024 Transportation Improvement Program Projects (Costs in 1,000s) (Includes the Program of Projects for the Lawrence Transit System)

**Project Sponsor:** KDOT

**TIP #:** 142      **KDOT #** KA-2841-02

**Length (mi):** 0.00

**Project Type:** Interchange

**Date Added:** 2/2021      **Last Revised:** 4/2022

**Description:**

Construct a Diverging Diamond Interchange (DDI) includes bridge #088- for the addition of sidewalk with barriers for pedestrian protection down center of bridge.

**Project Name:** US-40/K-10 Interchange Improvement (Diverging Diamond Interchange)

**Location:** US-40/K-10 Interchange Improvement (DDI) in Lawrence

**Work Type:** Reconstruction

**Revision History:** FFY21 A3, FFY21 A5

**Comments:**

The PE Phase will use \$921 of AC converting to NHPP in 2025. The UTIL Phase will use \$276 of AC converting to NHPP in 2025. The CONST Phase will utilize AC in the amount of \$9,899 with conversion to NHPP in 2025.

FFY	Fund Source	Phase	Federal	State	Local
2021	State	PE	\$0	\$230	\$0
2021	State-AC	PE	\$0	\$921	\$0
2022	State	ROW	\$0	\$345	\$0
2022	State	UTIL	\$0	\$69	\$0
2022	State-AC	UTIL	\$0	\$276	\$0
2023	State-AC	CONST	\$0	\$9,899	\$0
2023	State	CONST	\$0	\$2,475	\$0
2025	Credit	OTHER	\$0	(\$11,096)	\$0
2025	NHPP	CONVERSION	\$11,096	\$0	\$0

<b>Federal Total:</b>	\$11,096	<b>Non-Federal Total:</b>	\$3,119	<b>Grand Total:</b>	\$14,215
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**Project Sponsor:** KDOT

**TIP #:** 143      **KDOT #** KA-6015-01

**Length (mi):** 3.75

**Project Type:** Road

**Date Added:** 2/2021      **Last Revised:** 4/2022

**Description:**

Roadway reconstruction based on 44 ft. roadway with 10 ft. shoulders. Add acceleration/deceleration lanes as warranted.

**Project Name:** US-56 Reconstruction: US-56/US-59 Junction east to 1600 Rd.

**Location:** US-56 in Douglas County: Beginning at East Junction US-56/US-59 Ramps thence East to 1600 Road

**Work Type:** Reconstruction

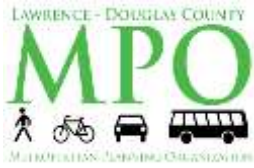
**Revision History:** FFY21 A5

**Comments:**

Project is authorized for PE ONLY. The estimated total project cost is \$15,486 which shall be used for planning purposes only. The PE Phase will utilize AC in the amount of \$1,003 with conversion to NHPP in 2026.

FFY	Fund Source	Phase	Federal	State	Local
2021	State	PE	\$0	\$251	\$0
2021	State-AC	PE	\$0	\$1,003	\$0
2026	Credit	OTHER	\$0	(\$1,003)	\$0
2026	NHPP	CONVERSION	\$1,003	\$0	\$0

<b>Federal Total:</b>	\$1,003	<b>Non-Federal Total:</b>	\$251	<b>Grand Total:</b>	\$1,254
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## Amendment 5

### Lawrence-Douglas County MPO

#### FFY 2021 - 2024 Transportation Improvement Program Projects (Costs in 1,000s)

(Includes the Program of Projects for the Lawrence Transit System)

**Project Sponsor:** Lawrence

**TIP #:** 144 **KDOT #** KA-6350-01

**Length (mi):** 3.60

**Project Type:** ITS

**Date Added:** 4/2021 **Last Revised:** 4/2022

**Description:**

Fiber extension from 31st & Louisiana St. and 23rd & Iowa St. to existing traffic signals in the South Iowa Area. Will include a variety of traffic signals improvements for as many as 11 signals (ex. New CCTV cameras, signal heads, detection, & cabinets).

**Project Name:** South Iowa St. Traffic Signal Improvement Project

**Location:** 31st St. (Louisiana St. to Neider Road) and Iowa St./US59 (23rd St. to County Route 458)

**Work Type:** Signal

**Revision History:** FFY21 A2, FFY21 A3, FFY21 A5

**Comments:**

FFY	Fund Source	Phase	Federal	State	Local
2022	Local	CONST	\$0	\$0	\$443
2022	State	CONST	\$0	\$420	\$0

<b>Federal Total:</b>	\$0	<b>Non-Federal Total:</b>	\$863	<b>Grand Total:</b>	\$863
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**Project Sponsor:** KDOT

**TIP #:** 147 **KDOT #** KA-6550-01

**Length (mi):** 2.01

**Project Type:** Road

**Date Added:** 4/2022 **Last Revised:**

**Description:**

Discovery Phase to determine the appropriate rehabilitation/reconstruction improvements for the location.

**Project Name:** K-33: Beginning (north project limits of KA-3951-01) from 50 feet north of 6th Street in Wellsville north to the...

**Location:** ...K-33/U.S. 56 (N. 200th Road) junction at end of route.

**Work Type:** Reconstruction

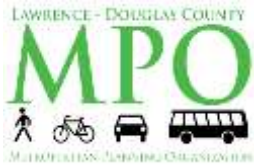
**Revision History:**

**Comments:**

Project is authorized for PE ONLY. The estimated total project cost is \$14,967 which shall be used for planning purposes only.

FFY	Fund Source	Phase	Federal	State	Local
2022	State	PE	\$0	\$2,000	\$0

<b>Federal Total:</b>	\$0	<b>Non-Federal Total:</b>	\$2,000	<b>Grand Total:</b>	\$2,000
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## Amendment 5

### Lawrence-Douglas County MPO

#### FFY 2021 - 2024 Transportation Improvement Program Projects (Costs in 1,000s)

(Includes the Program of Projects for the Lawrence Transit System)

**Project Sponsor:** Lawrence

**TIP #:** 234 **KDOT #** KA-4473-01

**Length (mi):** 2.01

**Project Type:** Road

**Date Added:** 8/2015  
**Last Revised:** 4/2022

**Description:**

Reconstruction of street including pavement, storm sewer, geometric improvements and multimodal facilities.

**Project Name:** 23rd Street Reconstruction: Haskell to East City Limits

**Location:** Haskell Ave to East City Limits

**Work Type:** Reconstruction

**Revision History:** FFY21 A4, FFY21 A5

**Comments:**

PE/ROW are each estimated at 10% of Construction Costs. Project is part of the 23rd St KDOT/City turn back agreement. This agreement, including final project(s) cost share, has not been finalized to date.

FFY	Fund Source	Phase	Federal	State	Local
2020	Local	PE	\$0	\$0	\$500
2022	Local	CONST	\$0	\$0	\$2,250
2022	State	CONST	\$0	\$4,000	\$0
2023	Local	CONST	\$0	\$0	\$4,100
<b>Federal Total:</b>			\$0	<b>Non-Federal Total:</b> \$10,850	<b>Grand Total:</b> \$10,850

**Project Sponsor:** KDOT

**TIP #:** 237 **KDOT #** KA-3634-03

**Length (mi):** 7.00

**Project Type:** Road/Interchange

**Date Added:** 1/2016  
**Last Revised:** 4/2022

**Description:**

Add 2-lanes to existing 2-lanes for a 4-Lane Freeway section. Existing interchanges at US-40 (6th St.), Bob Billings Pkwy, Clinton Pkwy, US-59 (Iowa St.) A new interchange for the Wakarusa/27th intersection, including replacing/repairing bridges.

**Project Name:** SLT/K-10 West Leg in Douglas County

**Location:** 3500 ft N of K-10/US-40 Junction, to K-10 US-59/Iowa St Junction

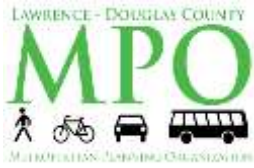
**Work Type:** Interchange/Reconstruction

**Revision History:** FFY21 A1, FFY21 A5

**Comments:**

Project authorized for PE, ROW, and UTIL ONLY. Total est. cost of \$164,465.9 to be used for planning purposes only. PE Phase will use AC amount of \$8,640, conversion to NHPP in 2025. UTIL Phase will use AC amount of \$12,800, conversion to NHPP in 2025.

FFY	Fund Source	Phase	Federal	State	Local
2021	State	PE	\$0	\$2,160	\$0
2021	State-AC	PE	\$0	\$8,640	\$0
2021	State	ROW	\$0	\$4,000	\$0
2023	State	UTIL	\$0	\$3,200	\$0
2023	State-AC	UTIL	\$0	\$12,800	\$0
2025	NHPP	CONVERSION	\$21,440	\$0	\$0
2025	Credit	OTHER	\$0	(\$21,440)	\$0
<b>Federal Total:</b>			\$21,440	<b>Non-Federal Total:</b> \$9,360	<b>Grand Total:</b> \$30,800



Amendment 5  
Lawrence-Douglas County MPO  
FFY 2021 - 2024 Transportation Improvement Program Projects (Costs in 1,000s)  
(Includes the Program of Projects for the Lawrence Transit System)

<b>Project Sponsor:</b> Lawrence		<b>Project Name:</b> Lawrence Loop Shared Use Path: Peterson Rd to Michigan St	<b>FFY</b>		<b>Fund Source</b>	<b>Phase</b>	<b>Federal</b>	<b>State</b>	<b>Local</b>
<b>TIP #:</b> 512	<b>KDOT #</b> TE-0490-01		2020	Local		PE	\$0	\$0	\$216
<b>Length (mi):</b> 0.61			2022	Local		CONST	\$0	\$0	\$1,084
<b>Project Type:</b> Transportation Alternatives			2022	TA		CONST	\$1,070	\$0	\$0
<b>Date Added:</b> 6/2020									
<b>Last Revised:</b> 4/2022		<b>Revision History:</b> FFY21 A2, FFY21 A4, FFY21 A5							
<b>Description:</b> Design and construction of 10' shared use path.		<b>Comments:</b> KDOT TA project, FY 21; \$1,070,00 (max)							

## Old Table

**Table 8: Funding Available for Projects after Accounting for all O&M Expenditures (in \$1,000s)**

Subtracting O&M "Off the Top" (in thousands)					
	FFY 2021	FFY 2022	FFY 2023	FFY 2024	Total
Anticipated Funding	\$ 115,360	\$ 92,816	\$ 114,811	\$ 92,952	\$ 415,940
Anticipated O&M Expenditures	\$ 42,971	\$ 34,343	\$ 36,208	\$ 37,097	\$ 150,619
<b>Funding Available for Projects</b>	<b>\$ 72,389</b>	<b>\$ 58,472</b>	<b>\$ 78,603</b>	<b>\$ 55,856</b>	<b>\$ 265,321</b>

## New Table (in \$1,000s)

Subtracting O&M "Off the Top" (in thousands)					
	FFY 2021	FFY 2022	FFY 2023	FFY 2024	Total
Anticipated Funding	\$ 115,360	\$ 94,816	\$ 114,811	\$ 92,952	\$ 417,940
Anticipated O&M Expenditures	\$ 42,971	\$ 34,343	\$ 36,208	\$ 37,097	\$ 150,619
<b>Funding Available for Projects</b>	<b>\$ 72,389</b>	<b>\$ 60,472</b>	<b>\$ 78,603</b>	<b>\$ 55,856</b>	<b>\$ 267,321</b>

This TIP document provides realistic cost and funding estimates for improvement projects in the first two years of the fiscal constraint period (2021 and 2022). Predicting the revenues which will be available and costs for projects in the second half of that period (2023 and 2024) are a more speculative exercise.

As Transportation 2040 was completed in 2018. The financial data was reviewed to determine if it was still accurate for each jurisdiction. In many cases jurisdictions provided updated data. However, this TIP was developed during the middle of the COVID-19 pandemic, so jurisdictions acknowledged the financial information provided is contingent on recovery efforts. For jurisdictions that did not provide updated financial information, the Transportation 2040 projects which utilized 2012-2016 average funding levels were utilized with a 1.5% inflation factor applied to the average to determine future funding amounts. The MPO has assumed these funding levels for federal funding will remain in place through 2024. The Funding Summary in Table 9 shows the level of projected funding from reasonable sources and the total level of project funding programmed in this TIP are balanced and this TIP is fiscally constrained. The fiscal breakdown by funding source for all roadway and transit projects listed in the 2021-2024 TIP are shown in the table. The projects are shown by year and funding source.

## Old Table

**Table 9: Funding Summary (in \$1,000s )**

Anticipated Funding (in thousands)						
Funding Source		FFY 2021	FFY 2022	FFY 2023	FFY 2024	Total
Transit	Federal	\$ 10,705	\$ 5,144	\$ 8,081	\$ 2,993	\$ 26,923
	State	\$ 869	\$ 889	\$ 910	\$ 931	\$ 3,599
	Local	\$ 15,878	\$ 10,564	\$ 10,632	\$ 11,392	\$ 48,466
Non-Transit	Federal	\$ 2,247	\$ 2,250	\$ 2,254	\$ 2,257	\$ 9,009
	State	\$ 9,608	\$ 5,615	\$ 22,248	\$ 3,297	\$ 40,767
	Local	\$ 33,083	\$ 34,009	\$ 34,479	\$ 34,985	\$ 136,556
Transit Total		\$ 27,451	\$ 16,598	\$ 19,623	\$ 15,316	\$ 78,988
Non-Transit Total		\$ 44,938	\$ 41,874	\$ 58,981	\$ 40,539	\$ 186,332
Grand Total		\$ 72,389	\$ 58,472	\$ 78,603	\$ 55,856	\$ 265,321

Anticipated funding is based on the revenue assumptions in Transportation 2040 and information provided by jurisdictions. Local transit funds include KU on Wheels funding. 1.5% growth is applied to the funding and the 2017 Lawrence sales tax referendum (funds roads/infrastructure and transit service) passed, which provides local funding until 2028.

Estimated Expenditures by Year and Funding Source (in thousands)							
Funding Source			FFY 2021	FFY 2022	FFY 2023	FFY 2024	Total
Transit	Federal Funds	FTA 5307	\$ 4,570	\$ 7,876	\$ 3,225	\$ -	\$ 15,671
		FTA 5310	\$ -	\$ -	\$ -	\$ -	\$ -
		FTA 5311	\$ 116	\$ -	\$ -	\$ -	\$ 116
		FTA 5339	\$ 3,756	\$ 192	\$ 1,624	\$ -	\$ 5,572
	State-PT		\$ 1,321	\$ 1,321	\$ 1,321	\$ 1,321	\$ 5,284
	Local		\$ 12,540	\$ 7,084	\$ 5,880	\$ 5,340	\$ 30,844
Non-Transit	Federal Funds	CDBG	\$ 300	\$ 300	\$ 300	\$ 300	\$ 1,200
		HRRR	\$ -	\$ -	\$ -	\$ -	\$ -
		HSIP	\$ 500	\$ 1,511	\$ 500	\$ 500	\$ 3,011
		NHPP	\$ 4,002	\$ 1,546	\$ -	\$ -	\$ 5,548
		STP	\$ 2,923	\$ -	\$ -	\$ -	\$ 2,923
		TA	\$ 1,993	\$ 3,814	\$ 1,291	\$ -	\$ 7,098
	State		\$ 6,433	\$ 2,061	\$ 2,700	\$ (100)	\$ 11,094
	State AC Conversion*			\$ (2,046)	\$ (500)	\$ (500)	\$ (3,046)
	Local		\$ 8,468	\$ 25,221	\$ 7,631	\$ 16,750	\$ 58,070
	Transit Total			\$ 22,303	\$ 16,473	\$ 12,050	\$ 6,661
Non-Transit Total			\$ 24,619	\$ 32,407	\$ 11,922	\$ 16,950	\$ 85,898
Grand Total			\$ 46,922	\$ 48,880	\$ 23,972	\$ 23,611	\$ 143,385

\*State AC Conversions are negative because the State is receiving federal reimbursement for funds spent in previous years (as noted in the project listing).

\*\* While CDBG funding is not required to be in this TIP, it is part of #507 which includes various bike/sidewalk/ADA ramps projects in Lawrence.



## New Table (in \$1,000s)

Anticipated Funding (in thousands)						
Funding Source		FFY 2021	FFY 2022	FFY 2023	FFY 2024	Total
Transit	Federal	\$ 10,705	\$ 5,144	\$ 8,081	\$ 2,993	\$ 26,923
	State	\$ 869	\$ 889	\$ 910	\$ 931	\$ 3,599
	Local	\$ 15,878	\$ 10,564	\$ 10,632	\$ 11,392	\$ 48,466
Non-Transit	Federal	\$ 2,247	\$ 2,250	\$ 2,254	\$ 2,257	\$ 9,009
	State	\$ 9,608	\$ 7,615	\$ 22,248	\$ 3,297	\$ 42,767
	Local	\$ 33,083	\$ 34,009	\$ 34,479	\$ 34,985	\$ 136,556
Transit Total		\$ 27,451	\$ 16,598	\$ 19,623	\$ 15,316	\$ 78,988
Non-Transit Total		\$ 44,938	\$ 43,874	\$ 58,981	\$ 40,539	\$ 188,332
Grand Total		\$ 72,389	\$ 60,472	\$ 78,603	\$ 55,856	\$ 267,321

Anticipated funding is based on the revenue assumptions in Transportation 2040 and information provided by jurisdictions. Local transit funds include KU on Wheels funding. 1.5% growth is applied to the funding and the 2017 Lawrence sales tax referendum (funds roads/infrastructure and transit service) passed, which provides local funding until 2028.

Estimated Expenditures by Year and Funding Source (in thousands)							
Funding Source			FFY 2021	FFY 2022	FFY 2023	FFY 2024	Total
Transit	Federal Funds	FTA 5307	\$ 4,570	\$ 7,876	\$ 3,225	\$ -	\$ 15,671
		FTA 5310	\$ -	\$ -	\$ -	\$ -	\$ -
		FTA 5311	\$ 116	\$ -	\$ -	\$ -	\$ 116
		FTA 5339	\$ 3,756	\$ 192	\$ 1,624	\$ -	\$ 5,572
	State-PT		\$ 1,321	\$ 1,321	\$ 1,321	\$ 1,321	\$ 5,284
	Local		\$ 12,540	\$ 7,084	\$ 5,880	\$ 5,340	\$ 30,844
Non-Transit	Federal Funds	CDBG	\$ 300	\$ 300	\$ 300	\$ 300	\$ 1,200
		HRRR	\$ -	\$ -	\$ -	\$ -	\$ -
		HSIP	\$ 500	\$ 1,511	\$ 500	\$ 500	\$ 3,011
		NHPP	\$ 4,002	\$ 1,546	\$ -	\$ -	\$ 5,548
		STP	\$ 2,923	\$ -	\$ -	\$ -	\$ 2,923
		TA	\$ 1,993	\$ 3,814	\$ 1,291	\$ -	\$ 7,098
	State		\$ 3,679	\$ 6,826	\$ 5,175	\$ (100)	\$ 15,580
	State AC Conversion*		\$ (7,425)	\$ (2,046)	\$ (500)	\$ (500)	\$ (10,471)
	Local		\$ 8,025	\$ 25,692	\$ 7,631	\$ 16,750	\$ 58,098
	Transit Total			\$ 22,303	\$ 16,473	\$ 12,050	\$ 6,661
Non-Transit Total			\$ 13,997	\$ 37,643	\$ 14,397	\$ 16,950	\$ 82,987
Grand Total			\$ 36,300	\$ 54,116	\$ 26,447	\$ 23,611	\$ 140,474

\*State AC Conversions are negative because the State is receiving federal reimbursement for funds spent in previous years (as noted in the project listing).

\*\*While CDBG funding is not required to be in this TIP, it is part of #507 which includes various bike/sidewalk/ADA ramps projects in Lawrence.