

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

Revision Summary: Amendment 4

TIP #:	KDOT #:	Project Name:	Project Sponsor:	Action:	Transportation 2040 Inclusion:	Revision Description:	Total Project Cost:
146		11th St. - Indiana to Ohio; Louisiana - 11th to 12th Reconstruction	Lawrence	New	Strategy - Design and build roadways for the safety of all users; page 166	Program 2022 Local PE \$150, and 2023 Local CONST \$1,600 for 11th St. - Indiana to Ohio and Louisiana - 11th to 12th Reconstruction.	\$1,750
607		Massachusetts Street - 14th to 23rd Street Multi-Modal Improvements	Lawrence	New	Strategy - Implement the Countywide Bikeway Plan; page 157	Program 2023 Local PE \$100 and 2024 Local CONST \$1,500 for Massachusetts Street - 14th to 23rd Street Multi-modal Improvements	\$1,600
106		Wakarusa Drive Extension	Douglas County/Lawrence	Revision	#106; page 175 & 178	Reduce 2024 Local CONST from \$5,900 to \$750.	\$12,750
139		Wakarusa Drive Reconstruction: 6th St. to Harvard Rd.	Lawrence	Remove from the TIP. This project is no longer funded in the City of Lawrence Capital Improvement Plan.			\$3,300
214		Wakarusa Dr. Reconstruction: Research Pkwy to 23rd St	Lawrence	Revision	#214; page 175	Program 2023 Local CONST \$900.	\$7,300
229		19th Street Reconstruction: O'Connell Rd to Harper St	Lawrence	Revision	#229; page 175	Increase 2021 Local CONST from \$2,200 to \$2,600	\$4,025
230		Queens Road: 6th to North City Limits	Lawrence	Revision	#230; page 176	Shift \$3,000 of 2021 Local CONST to 2022.	\$3,800
234	KA-4473-01	23rd Street Reconstruction: Haskell to East City Limits	Lawrence	Revision	#114x; page 176	Reduce 2021 Local CONST from \$2,500 to \$2,250 and increase 2022 Local CONST from \$2,750 to \$4,100.	\$10,850
247		27th St Bridge	Lawrence	Remove from the TIP. This project is no longer funded in City of Lawrence Capital Improvement Plan.			\$850
511	TE-0472-02	West Baldwin Pedestrian/Bike Connectivity Project Phase 2 & 3	Baldwin City	Revision	Strategy - Implement the Countywide Bikeway Plan; page 157	Reduce the scope of the project. The shared use path was planned from US 56 to High Street. Now the scope will be Elm Street to High Street.	\$1,425

Public Comment Period: 9/10/2021 to 9/25/2021

See page 2

MPO Policy Board Approval: 10/21/2021

TIP #:	KDOT #:	Project Name:	Project Sponsor:	Action:	Transportation 2040 Inclusion:	Revision Description:	Total Project Cost:
512	TE-0490-01	Lawrence Loop Shared Use Path: Peterson Rd to Michigan St	Lawrence	Revision	Strategy - Implement the Countywide Bikeway Plan; page 157	Increase 2021 Local CONST from \$1,012 to \$1,056 and shift it to 2022. Shift 2021 TA to 2022.	\$2,342
605	C-5065-01	DGCO: High Friction Surface Treatment	Douglas County	Revision	Strategy - Design and build roadways for the safety of all users; page 166	Revise 2022 Local CONST from \$60 to \$112 and 2022 HSIP CONST from \$543 to \$1,011. Update error in scope and location from Route 105 to Route 1055 and Location RS-21 to RS-210 added 9/10 at 9 am.	\$1,123
706		Traffic Signal Coordination Study	Lawrence	Revision	Strategy - Deploy technology and other alternative strategies to relieve congestion; page 166	Program 2021 Local PE \$170 for phase 2.	\$470

Public Comment Period: 9/10/2021 to 9/25/2021

MPO Policy Board Approval: 10/21/2021

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

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

Project Sponsor: Douglas County/Lawrence
TIP #: 106 **KDOT #:**
Length (mi): 2.00
Project Type: Road, Bridge
Date Added: 10/2016 **Last Revised:** 10/2021
Description:
 New road construction to extend Wakarusa Drive from planned K-10 interchange to Route 458. Includes new bridge over Wakarusa River. *Alignment not finalized

Project Name: Wakarusa Drive Extension
Location: Clinton Parkway to N 1200 Rd
Work Type: Grading, Bridge, Surfacing
Revision History: FFY19 A5, FFY21 A3, FFY21 A4
Comments:
 Construction contingent on KDOT construction of K-10 interchange at Wakarusa Drive. Changed TIP # from 100 to 106 in 2/2017.
 Douglas County & Lawrence will partner on project sharing design and construction costs 50/50.

FFY	Fund Source	Phase	Federal	State	Local
2022	Local	PE	\$0	\$0	\$500
2022	Local - LAW	PE	\$0	\$0	\$166
2022	Local - LAW	ROW	\$0	\$0	\$167
2022	Local - LAW	UTIL	\$0	\$0	\$167
2023	Local	PE	\$0	\$0	\$250
2023	Local	ROW	\$0	\$0	\$150
2023	Local	UTIL	\$0	\$0	\$100
2024	Local	CONST	\$0	\$0	\$750
2024	Local - LAW	CONST	\$0	\$0	\$6,500
2025	Local	CONST	\$0	\$0	\$4,000

Federal Total: \$0 **Non-Federal Total:** \$12,750 **Grand Total:** \$12,750

Project Sponsor: Lawrence
TIP #: 139 **KDOT #:**
Length (mi): 0.25
Project Type: Road
Date Added: 10/2020 **Last Revised:** 10/2021
Description:
 Reconstruct Wakarusa from north of Harvard to 6th Street including, concrete pavement, storm sewer, bike facility, and sidewalks

Project Name: Wakarusa Drive Reconstruction: 6th St. to Harvard Rd.
Location: 6th & Wakarusa to north of the Harvard & Wakarusa intersection
Work Type: Pedestrian & Bicycle, Reconstruction, Safety
Revision History: FFY21 A4 - Removed from TIP
Comments:
 Remove from the TIP. This project is no longer funded in City of Lawrence Capital Improvement Plan.

FFY	Fund Source	Phase	Federal	State	Local
		DELETE	\$0	\$0	\$0

Federal Total: \$0 **Non-Federal Total:** \$0 **Grand Total:** \$0



Amendment 4
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 #: 146 **KDOT #:**

Length (mi): 0.25

Project Type: Road

Date Added:
10/2021

Last Revised:

Description:

11th St (Indiana to Ohio) including concrete pavement, storm sewer, bike/ped improvements & sanitary sewer improvements at 11th/Ohio.

Louisiana St (11th to 12th St) including concrete pavement, storm sewer, bike/ped improvements.

Project Name: 11th St. - Indiana to Ohio; Louisiana - 11th to 12th Reconstruction

Location: 11th St. - Indiana St. to Ohio St. & Louisiana St. - 11th St. to 12th St.

Work Type: Reconstruction

Revision History:

Comments:

Street is in failing condition (PCI = 27) and poor subgrade conditions require complete reconstruction. 11th Street is a collector street and on transit route.

FFY	Fund Source	Phase	Federal	State	Local
2022	Local	PE	\$0	\$0	\$150
2023	Local	CONST	\$0	\$0	\$1,600

Federal Total:	\$0	Non-Federal Total:	\$1,750	Grand Total:	\$1,750
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Project Sponsor: Lawrence

TIP #: 214 **KDOT #:**

Length (mi): 1.47

Project Type: Road

Date Added:
10/2016

Last Revised:
10/2021

Description:

Reconstruction of street will include subgrade treatment, surfacing, storm sewer, geometric improvements, and multimodal facilities.

Project Name: Wakarusa Dr. Reconstruction: Research Pkwy to 23rd St

Location: Wakarusa: Research Pkwy to 23rd St

Work Type: Reconstruction

Revision History: FFY2021 A4

Comments:

Extend project limits from 18th St to 23rd St.

FFY	Fund Source	Phase	Federal	State	Local
2021	Local	PE	\$0	\$0	\$400
2022	Local	CONST	\$0	\$0	\$6,000
2023	Local	CONST	\$0	\$0	\$900

Federal Total:	\$0	Non-Federal Total:	\$7,300	Grand Total:	\$7,300
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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 #: 229 **KDOT #:**

Length (mi): 0.54

Project Type: Road

Date Added: 8/2015 **Last Revised:** 10/2021

Description:
 Reconstruct & tie into venture park and construct sidewalk & shared use path.

Project Name: 19th Street Reconstruction: O'Connell Rd to Harper St

Location: O'Connell Rd to Harper St

Work Type: Reconstruction

Revision History: FFY21 A4

Comments:
 PE/ROW are each estimated at 10% of Construction Costs.

FFY	Fund Source	Phase	Federal	State	Local
2019	Local	PE	\$0	\$0	\$275
2019	Local	ROW	\$0	\$0	\$50
2020	Local	CONST	\$0	\$0	\$1,100
2021	Local	CONST	\$0	\$0	\$2,600

Federal Total:	\$0	Non-Federal Total:	\$4,025	Grand Total:	\$4,025
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Project Sponsor: Lawrence

TIP #: 230 **KDOT #:**

Length (mi): 0.75

Project Type: Road

Date Added: 8/2015 **Last Revised:** 10/2021

Description:
 Construct Queens Road, roundabout at Overland Dr & Queens Rd, construct sidewalk & bike lanes.

Project Name: Queens Road: 6th to North City Limits

Location: 6th St to North City Limits

Work Type: Reconstruction

Revision History: FFY21 A4

Comments:
 PE/ROW are each estimated at 10% of Construction Costs.

 Updated project description to include roundabout at Overland/Queens.

FFY	Fund Source	Phase	Federal	State	Local
2015	Local	ROW	\$0	\$0	\$600
2016	Local	PE	\$0	\$0	\$200
2022	Local	CONST	\$0	\$0	\$3,000

Federal Total:	\$0	Non-Federal Total:	\$3,800	Grand Total:	\$3,800
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Amendment 4
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:** 10/2021

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

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
2021	State	CONST	\$0	\$2,000	\$0
2021	Local	CONST	\$0	\$0	\$2,250
2022	State	CONST	\$0	\$2,000	\$0
2022	Local	CONST	\$0	\$0	\$4,100

Federal Total:	\$0	Non-Federal Total:	\$10,850	Grand Total:	\$10,850
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Project Sponsor: Lawrence
TIP #: 247 **KDOT #:**

Length (mi): 0.05

Project Type: Bridge

Date Added: 10/2020 **Last Revised:** 10/2021

Description:
Replace concrete haunched slab bridge that carries 27th Street over Naismith Creek.

Project Name: 27th St Bridge

Location: 27th St at Naismith Creek

Work Type: Bridge Rehabilitation

Revision History: FFY21 A4 - Removed from TIP

Comments:
Remove from the TIP. This project is no longer funded in City of Lawrence Capital Improvement Plan.

FFY	Fund Source	Phase	Federal	State	Local
		DELETE	\$0	\$0	\$0

Federal Total:	\$0	Non-Federal Total:	\$0	Grand Total:	\$0
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Amendment 4
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: Baldwin City
TIP #: 511 **KDOT #:** TE-0472-02
Length (mi): 0.57

Project Type: Transportation
Alternatives

Date Added: 6/2020 **Last Revised:** 10/2021

Description:
Phase 2 of West Baldwin
Pedestrian/Bike Connectivity Project.
The project includes a 10' shared use
path from Elm Street to the Santa Fe
Depot south of High Street.

Project Name: West Baldwin Pedestrian/Bike
Connectivity Project Phase 2 & 3
Location: East side of Midland Railway from Santa
Fe Depot to Elm St

Work Type: Pedestrian & Bicycle Work

Revision History: FFY21 A4

Comments:
The project will include ADA accessiblity,
decorative lighting, benches, decorative separation
fence and trash receptacles. New storm drainage
improvmnts.
Max \$1,012,960 TA funding. Linked with #509 (the
first phase of this project).

FFY	Fund Source	Phase	Federal	State	Local
2021	Local	PE	\$0	\$0	\$149
2021	Local	UTIL	\$0	\$0	\$10
2021	Local	CONST	\$0	\$0	\$253
2021	TA	CONST	\$1,013	\$0	\$0

Federal Total:	\$1,013	Non-Federal Total:	\$412	Grand Total:	\$1,425
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Project Sponsor: Lawrence
TIP #: 512 **KDOT #:** TE-0490-01
Length (mi): 0.61

Project Type: Transportation
Alternatives

Date Added: 6/2020 **Last Revised:** 10/2021

Description:
Design and construction of 10' shared
use path.

Project Name: Lawrence Loop Shared Use Path:
Peterson Rd to Michigan St
Location: Begins at the intersection of Peterson Rd
and N Iowa St, ends at Michigan Rd 1/2
mile north of W 2nd St

Work Type: Pedestrian & Bicycle Work

Revision History: FFY21 A2, FFY21 A4

Comments:
KDOT TA project, FY 21; \$1,070,00 (max)

FFY	Fund Source	Phase	Federal	State	Local
2020	Local	PE	\$0	\$0	\$216
2022	Local	CONST	\$0	\$0	\$1,056
2022	TA	CONST	\$1,070	\$0	\$0

Federal Total:	\$1,070	Non-Federal Total:	\$1,272	Grand Total:	\$2,342
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Amendment 4

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: Douglas County
TIP #: 605 **KDOT #:** C-5065-01
Length (mi): 1.46

Project Name: DGC0: High Friction Surface Treatment
Location: Routes 442 and 1055

FFY	Fund Source	Phase	Federal	State	Local
2022	Local	CONST	\$0	\$0	\$112
2022	HSIP	CONST	\$1,011	\$0	\$0

Project Type: Road

Work Type: Surfacing

Date Added: 10/2020
Last Revised: 10/2021

Revision History: FFY21 A4

Description:
Apply high-friction surface treatment to Horizontal Curves on RS-212 and RS-210

Comments:
Safety Improvements in Douglas County

Federal Total:	\$1,011	Non-Federal Total:	\$112	Grand Total:	\$1,123
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Project Sponsor: Lawrence
TIP #: 607 **KDOT #:**
Length (mi): 1.10

Project Name: Massachusetts Street - 14th to 23rd Street Multi-Modal Improvements
Location: Massachusetts St. - 14th St. to 23rd St.

FFY	Fund Source	Phase	Federal	State	Local
2023	Local	PE	\$0	\$0	\$100
2024	Local	CONST	\$0	\$0	\$1,500

Project Type: Safety

Work Type: Pedestrian & Bicycle Work, Mill/Overlay, Safety

Date Added: 10/2021
Last Revised:

Revision History:

Description:
2014 AARP report recommended bike/ped facilities on Mass. St. and intersection improvements at 19th/Mass. Construction of project anticipated in 2024 with street maintenance project. Project pending state grant funds (HSIP or TA).

Comments:
Mass. St. (11th-14th) reconfigured using 2018 KDOT safety funds. Mass. St. (14th-21st) is a gap in future primary network in T2040 & Lawrence Bikes. Connect to 21st St. Bike Blvd providing access to Iowa St. Complete a gap & provide multimodal downtown.

Federal Total:	\$0	Non-Federal Total:	\$1,600	Grand Total:	\$1,600
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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 #: 706 **KDOT #:**

Length (mi): 0.00

Project Type: Intersection

Date Added: 8/2019 **Last Revised:** 10/2021

Description:
Provide a comprehensive update to the traffic signal system, optimize operations and development of a long-term city-wide traffic signal coordination and timing program.

Project Name: Traffic Signal Coordination Study

Location: Arterial streets

Work Type: Operating, Planning, Signal

Revision History: FFY21 A4

Comments:
Project will improve traffic mobility and efficiency. Phase 2 will include 4 more corridors.

FFY	Fund Source	Phase	Federal	State	Local
2019	Local	PE	\$0	\$0	\$300
2021	Local	PE	\$0	\$0	\$170

Federal Total:	\$0	Non-Federal Total:	\$470	Grand Total:	\$470
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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	\$ 5,577	\$ 22,248	\$ 3,297	\$ 40,729
	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	\$ 41,836	\$ 58,981	\$ 40,539	\$ 186,294
Grand Total		\$ 72,389	\$ 58,434	\$ 78,603	\$ 55,856	\$ 265,283

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	\$ 1,893	\$ 3,814	\$ 1,291	\$ -	\$ 6,998
	State		\$ 6,433	\$ 2,055	\$ 2,700	\$ (100)	\$ 11,088
	State AC Conversion*			\$ (2,046)	\$ (500)	\$ (500)	\$ (3,046)
	Local		\$ 8,453	\$ 25,221	\$ 7,631	\$ 16,750	\$ 58,055
	Transit Total			\$ 22,303	\$ 16,473	\$ 12,050	\$ 6,661
Non-Transit Total			\$ 24,504	\$ 32,401	\$ 11,922	\$ 16,950	\$ 85,777
Grand Total			\$ 46,807	\$ 48,874	\$ 23,972	\$ 23,611	\$ 143,264

*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.