

PRESTON

TRANSPORTATION PLAN



*KY 61 from
I-264 to I-265*



KY 61 | Preston Transportation Plan

Jefferson County, Item No. 5-80205
Kentucky Transportation Cabinet

April 2025



Project Sheets

KY 61 - Jefferson County

Commerce Crossings/Cooper Chapel Intersection - Conventional Improvements

Priority

BMP: 1.085 **EMP:** 1.520

1

Project Description

Add channelized NB Rt Turn Ln (480 ft)
 Extend SB Rt Ln at south leg to Maple Springs Dr (consider extending to Mudd Ln)
 Add sidewalks in NW and NE quadrants and with KY 61 crossing
 Optimize Signal

Identified Needs

Queuing KY 61 SB
 Queuing I-265 NB off ramp to KY 61
 Exceeded Expected Crashes 40.09
 PM LOS E
 Inadequate pedestrian facilities

Expected Benefits

Queuing at will be reduced on KY 61SB and the ramp
 Rear-end collisions due to queuing will be reduced
 PM LOS D
 Pedestrian mobility will be improved
 Ramp capacity will be mitigated

Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	40,414
2045 No-Build ADT	44,640
EEC	40.09
Bike/Ped Facilities	Intermittent Sidewalk

Project Phase Estimates

(2024 Dollars)

Design	\$	500,000.00
Right-of-Way	\$	130,000.00
Utilities	\$	50,000.00
Construction	\$	2,400,000.00
Total Cost	\$	3,080,000.00



KY 61 - Jefferson County

Commerce Crossings/Cooper Chapel Intersection - Partial Displaced Left

Priority

BMP: 1.096 **EMP:** 1.697

1

Project Description

Reconstruct as Partial Displaced Left Turn along KY 61
 Add channelized NB Rt Turn Ln (480 ft)
 Extend SB Rt Ln at south leg to Maple Springs Dr (consider extending to Mudd Ln)
 Add sidewalks in NW and NE quadrants and with KY 61 crossing
 Optimize Signal

Identified Needs	Expected Benefits
Queuing KY 61 SB	Queuing at will be reduced on KY 61SB and the ramp
Queuing I-265 NB off ramp to KY 61	Rear-end collisions due to queuing will be reduced
EEC 40.09	PM LOS C
PM LOS E	Pedestrian mobility will be improved
Inadequate pedestrian facilities	Ramp capacity issue and queuing will be mitigated
	24% reduction in crashes

Project Information		Project Phase Estimates (2024 Dollars)	
KYTC/KIPDA ID	N/A	Design	\$ 600,000.00
Functional Class	Urban Minor Arterial	Right-of-Way	\$ 130,000.00
2023 ADT	40,414	Utilities	\$ 125,000.00
2045 No-Build ADT	44,640	Construction	\$ 5,500,000.00
EEC	40.09		
Bike/Ped Facilities	Intermittent Sidewalks	Total Cost	\$ 6,355,000.00



KY 61 - Jefferson County

Boerste/Glen Rose Intersection - Postive Offset Lt Turn and Signal Upgrade

Priority

BMP: 1.992 EMP: 2.293

7

Project Description

Add Positive Offest Left Turn Lanes
 Optimize signal timing
 Add retroreflective backplates to traffic signal

Identified Needs

Safety issues at intersection
 EEC 43.51
 First signalized intersection after interstate intersection

Expected Benefits

8% or greater reduction in crashes for positive offset
 15% reduction in crashes due to backplates

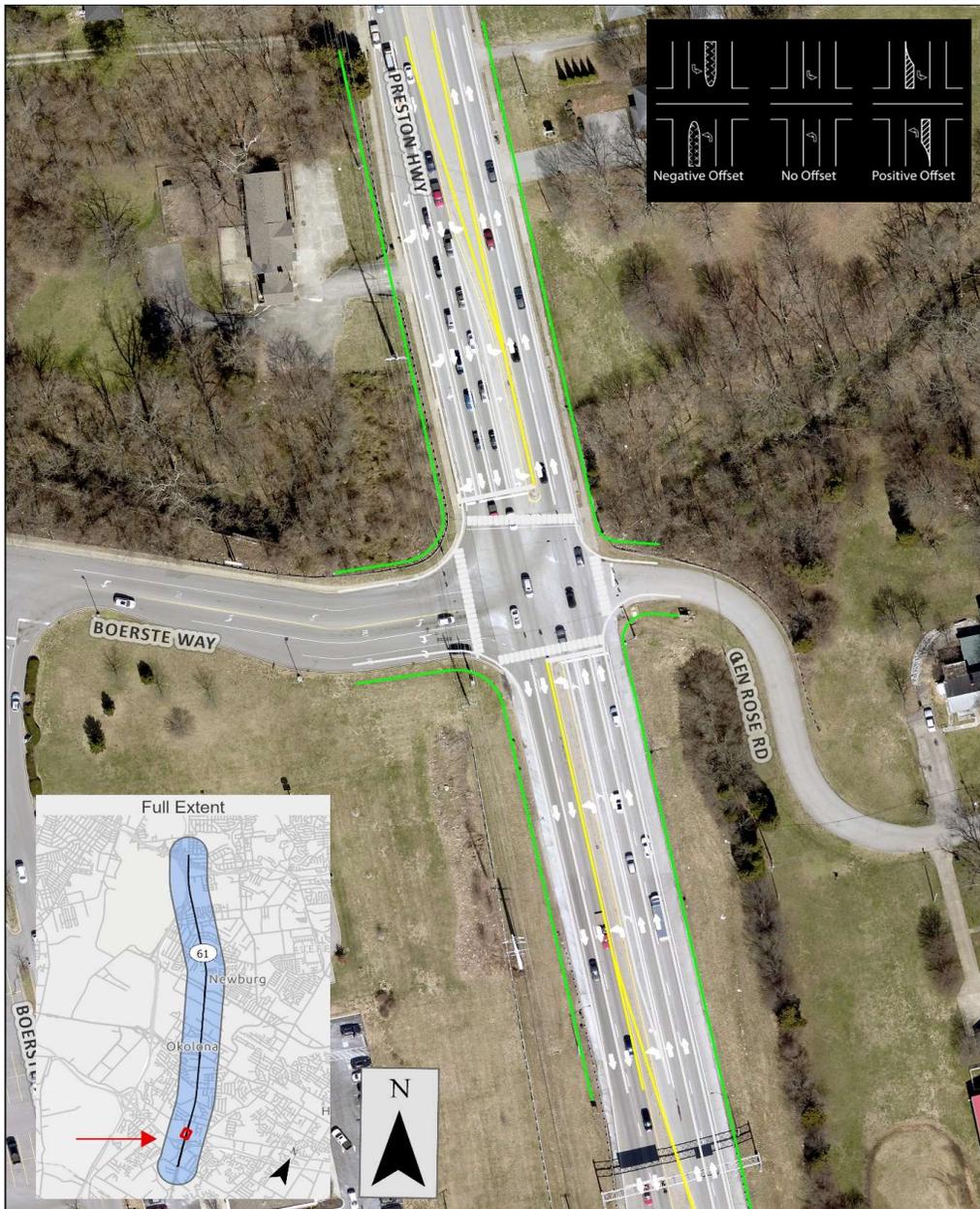
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	20,500
2045 No-Build ADT	44,640
EEC	43.51
Bike/Ped Facilities	Intermittent Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	250,000.00
Right-of-Way	\$	145,000.00
Utilities	\$	50,000.00
Construction	\$	950,000.00
Total Cost	\$	1,395,000.00



KY 61 - Jefferson County

Southpark/E Manslick Intersection - Conventional Improvements

Priority

BMP: 2.344 EMP: 2.541

6

Project Description

Separate Thru and Lt Turn Ln on South Park by adding Ln
 Convert entrance to Thornton's to Right-In/Right-Out
 Improve sidewalks with focus on NE quadrant

Identified Needs

Queuing at intersection
 PM LOS D
 Delay 54.1
 EEC 11.99
 Inadequate pedestrian facilities

Expected Benefits

Mitigation of queuing
 PM LOS D
 Delay 39.0
 Improved safety
 Improved pedestrian mobility

Project Information

KYTC/KIPDA ID	N/A
Functional Class	Urban Minor Arterial
2023 ADT	20,500
2045 No-Build ADT	44,640
EEC	11.99
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	250,000.00
Right-of-Way	\$	195,000.00
Utilities	\$	25,000.00
Construction	\$	1,000,000.00
Total Cost	\$	1,470,000.00



KY 61 - Jefferson County

Outer Loop Intersection - Conventional Improvements

Priority

BMP: 3.838 **EMP:** 4.143

2

Project Description

NB Approach extend Lt Turn storage from 290 to 390 ft. Reconstruct Rt Turn to meet 3rd EB thru In.
 EB Approach extend Lt Turn storage from 180 to 415 ft. Add 3rd EB thru lane.
 SB Approach extend Lt Turn storage from 200 to 300 ft. Add accel lane for Rt Turn.
 WB Approach extend Lt Turn storage from 170 to 280 ft. Add dedicated Rt Turn lane.

Identified Needs

Queuing and delay
 EEC 83.13
 PM LOS F
 Inadequate pedestrian facilities

Expected Benefits

Improved traffic operations
 Reduction in crashes/improved safety
 PM LOS D
 Improved pedestrian mobility
 24% reduction in crashes

Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	29,843
2045 No-Build ADT	35,056
EEC	83.13
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$ 450,000.00
Right-of-Way	\$ 390,000.00
Utilities	\$ 75,000.00
Construction	\$ 2,900,000.00
Total Cost	\$ 3,815,000.00



KY 61 - Jefferson County

Outer Loop Intersection - Partial Displaced Lt - NS

Priority

BMP: 3.619 EMP: 4.249

2

Project Description

Reconstruct as Partial Displaced Left Turn along KY 61
Improved pedestrian facilities

Identified Needs

Queuing and delay
EEC 83.13
PM LOS F
Inadequate pedestrian facilities

Expected Benefits

Improved traffic operations
Reduction in crashes/improved safety
PM LOS D
Improved pedestrian mobility
24% reduction in crashes

Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	29,843
2045 No-Build ADT	35,056
EEC	83.13
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	600,000.00
Right-of-Way	\$	860,000.00
Utilities	\$	225,000.00
Construction	\$	4,750,000.00
Total Cost	\$	6,435,000.00



KY 61 - Jefferson County

Fern Valley Intersection - Conventional Improvements

Priority

BMP: 5.232 **EMP:** 5.512

3

Project Description

EB approach - convert shared Thru/Rt Ln to Rt Turn only with 275 storage and overlapping right-turn phase

NB approach - add 300ft Rt Turn Ln with overlapping right-turn phase

EB approach - extend Lt Turn storage from 225 to 300 ft

SB approach - extend Lt Turn storage from 275 to 380 ft

WB approach - extend Lt Turn storage from 275 to 370 ft

Improve sidewalks and crossings

Identified Needs

Queuing and delay at intersection

PM LOS E

Delay 62.3

EEC 53.73

Inadequate pedestrian facilities

Expected Benefits

Improved traffic operations

PM LOS E

Delay 57.2

Improved safety

Improved pedestrian mobility

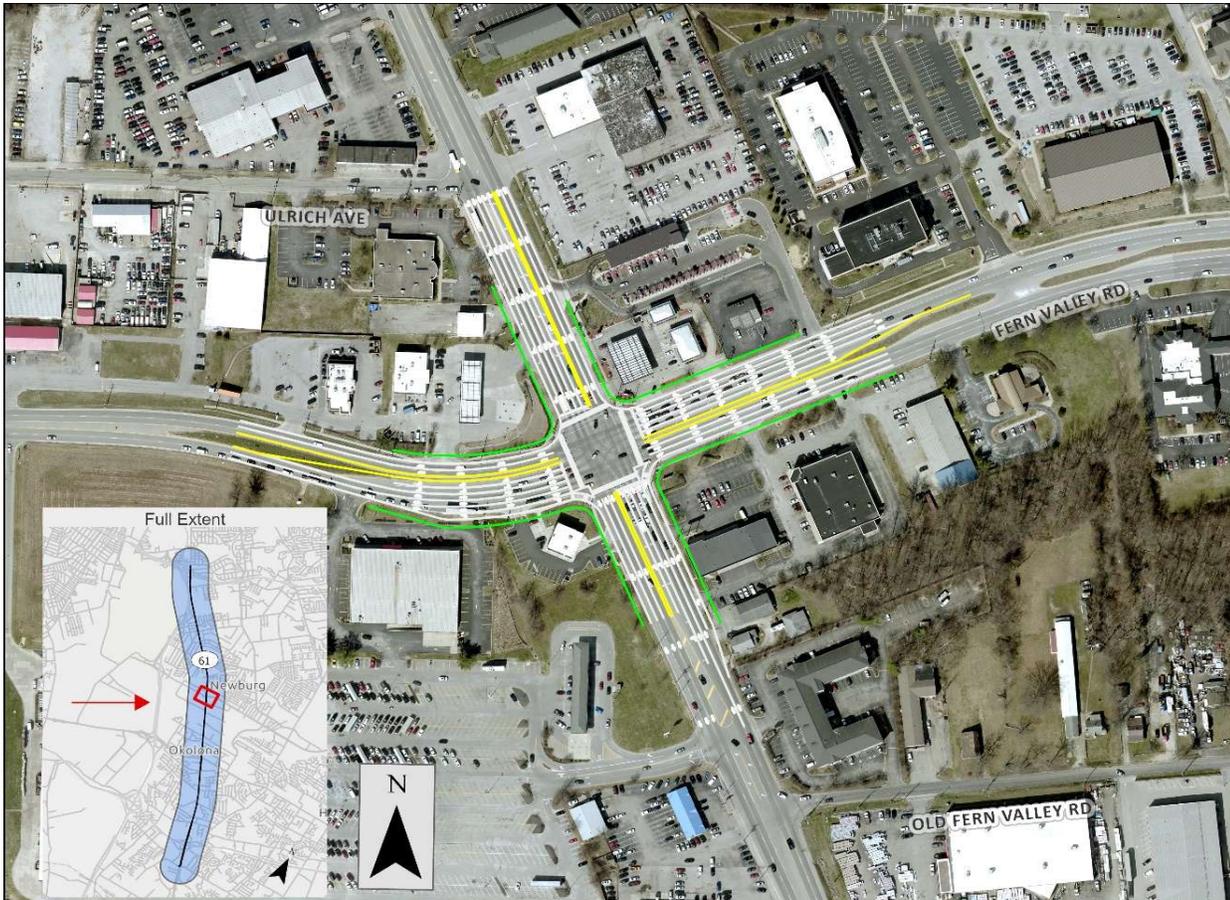
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	27,081
2045 No-Build ADT	35,056
EEC	53.73
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	450,000.00
Right-of-Way	\$	600,000.00
Utilities	\$	50,000.00
Construction	\$	2,100,000.00
Total Cost	\$	3,200,000.00



KY 61 - Jefferson County

Fern Valley Intersection - Partial Displaced Lt - EW

Priority

BMP: 5.177 **EMP:** 5.512

3

Project Description

Reconstruct as Partial Displaced Left Turn along KY 61
 Improve sidewalks and crossings

Identified Needs

Queuing and delay at intersectoin
 PM LOS E
 Delay 62.3
 EEC 53.73
 Inadequate pedestrian facilities

Expected Benefits

Improved traffic operations
 PM LOS D
 Delay 23.7
 Improved safety
 24% reduction in crashes
 Improved pedestrian mobility

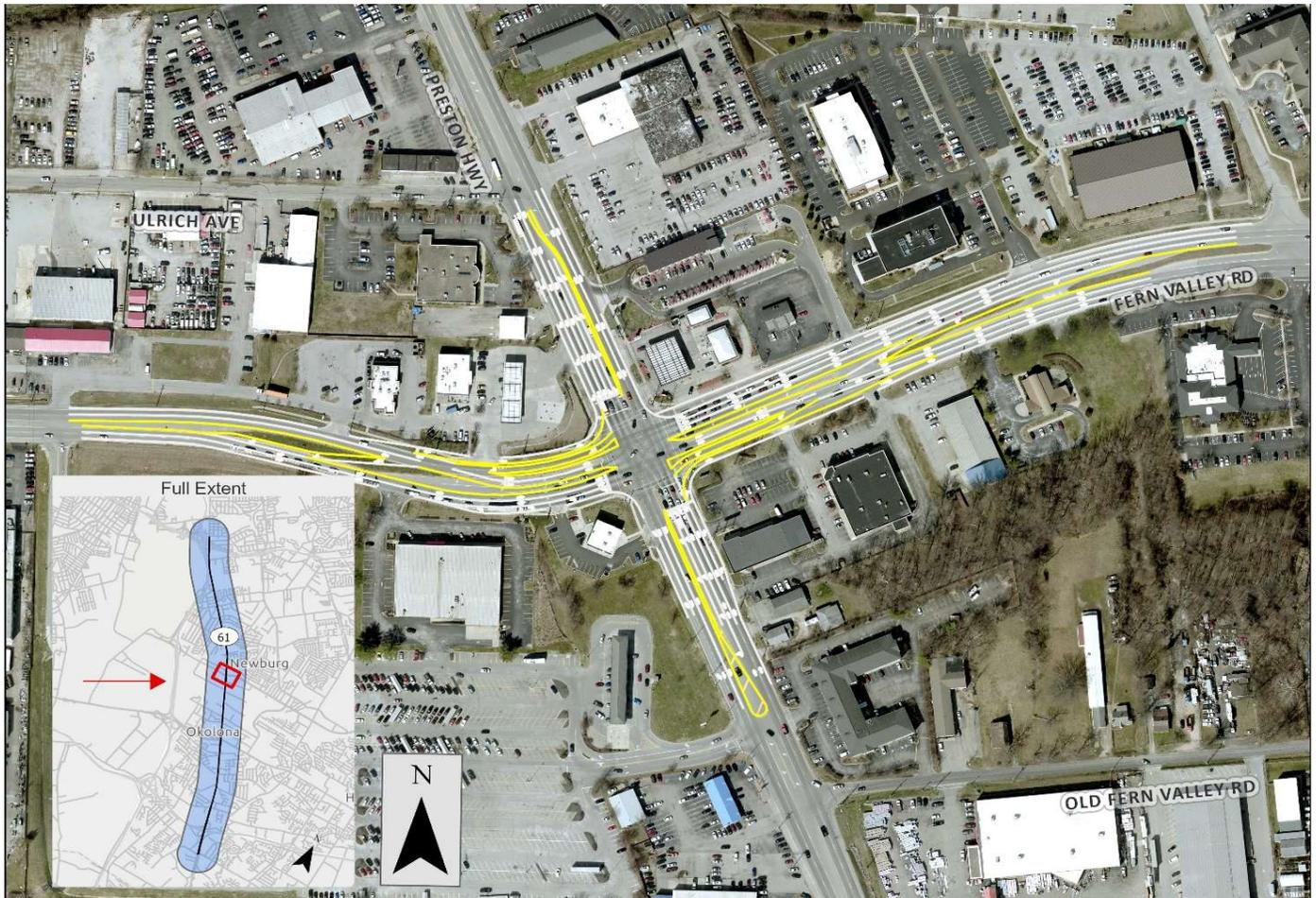
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	27,081
2045 No-Build ADT	35,056
EEC	53.73
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$ 600,000.00
Right-of-Way	\$ 600,000.00
Utilities	\$ 200,000.00
Construction	\$ 4,450,000.00
Total Cost	\$ 5,850,000.00



KY 61 - Jefferson County

Indian Trail Intersection - Conventional

Priority

BMP: 6.204 **EMP:** 6.429

4

Project Description

WB Approach Install raised median; restrict access within 200' of intersection
 NB Approach Install raised median; approximately 300'
 Consolidate entrances

Identified Needs

Queuing at intersection
 Delay at intersection
 LOS D
 EEC 27.78
 Inadequate pedestrian facilities
 Multiple access points

Expected Benefits

LOS D - no significant improvement
 Improved safety
 Improved pedestrian mobility
 Improved access management

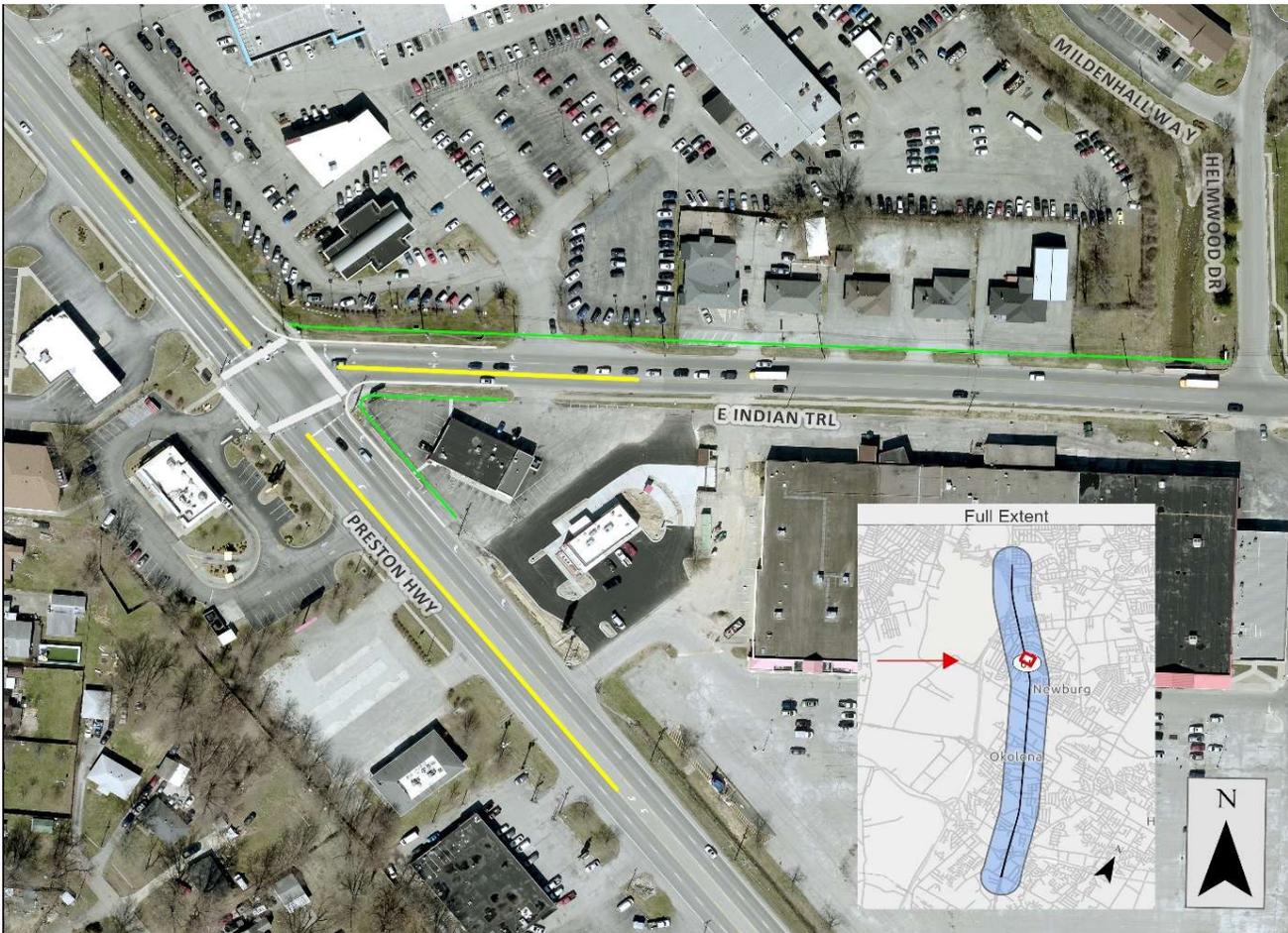
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	24,463
2045 No-Build ADT	25,472
EEC	27.78
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	250,000.00
Right-of-Way	\$	445,000.00
Utilities	\$	25,000.00
Construction	\$	1,000,000.00
Total Cost	\$	1,720,000.00



KY 61 - Jefferson County

I-65 Ramps - Conventional

Priority

BMP: 7.145 **EMP:** 7.356

8

Project Description

NB Approach Extend stop bar 50' north. Close Preston Dr access point.
 EB Approach Add raised islands.
 WB Approach Add signal.
 Intersection Reconstruct signal span from diagonal to box. Multiple pole locations to consider.

Identified Needs

Queuing and delay at intersection
 Grade Lane LOS B
 I-65 Ramps LOS D
 Safety issues
 Grade Lane EEC 60.01
 I-65 Ramps EEC 16.54

Expected Benefits

Grade Lane LOS B - no significant change
 I-65 Ramps LOS D - no significant change
 Improved signal operations
 Improved pedestrian safety

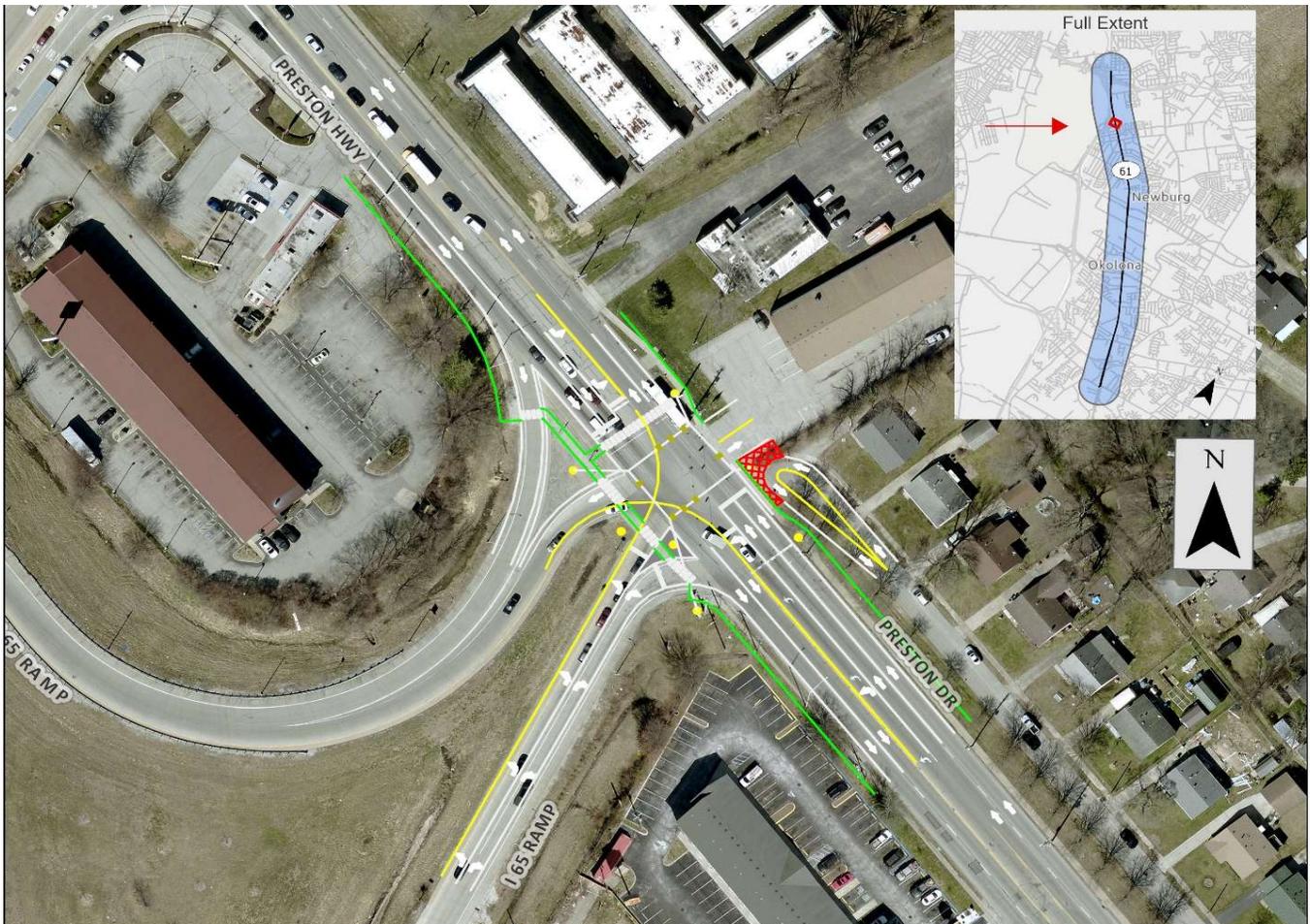
Project Information

KYTC/KIPDA ID	N/A
Functional Class	Urban Minor Arterial
2023 ADT	24,463
2045 No-Build ADT	25,472
EEC	60.01 and 16.54
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	200,000.00
Right-of-Way	\$	110,000.00
Utilities	\$	50,000.00
Construction	\$	900,000.00
Total Cost	\$	1,260,000.00



KY 61 - Jefferson County

Grade Ln/I-65 Ramps - Peanut

Priority

BMP: 7.148 **EMP:** 7.480

8

Project Description

Reconstruct intersections as a combined roundabout - Peanut
 Improve pedestrian facilities

Identified Needs

Queuing and delay at intersection
 Grade Lane LOS B
 I-65 Ramps LOS D
 Safety issues
 Grade Lane EEC 60.01
 I-65 Ramps EEC 16.54

Expected Benefits

Grade Lane LOS B
 I-65 Ramps LOS B
 37 % reduction in all crashes
 90 % reduction in fatal crashes
 75 % reduction in injury crashes
 40 % reduction in pedestrian injuries

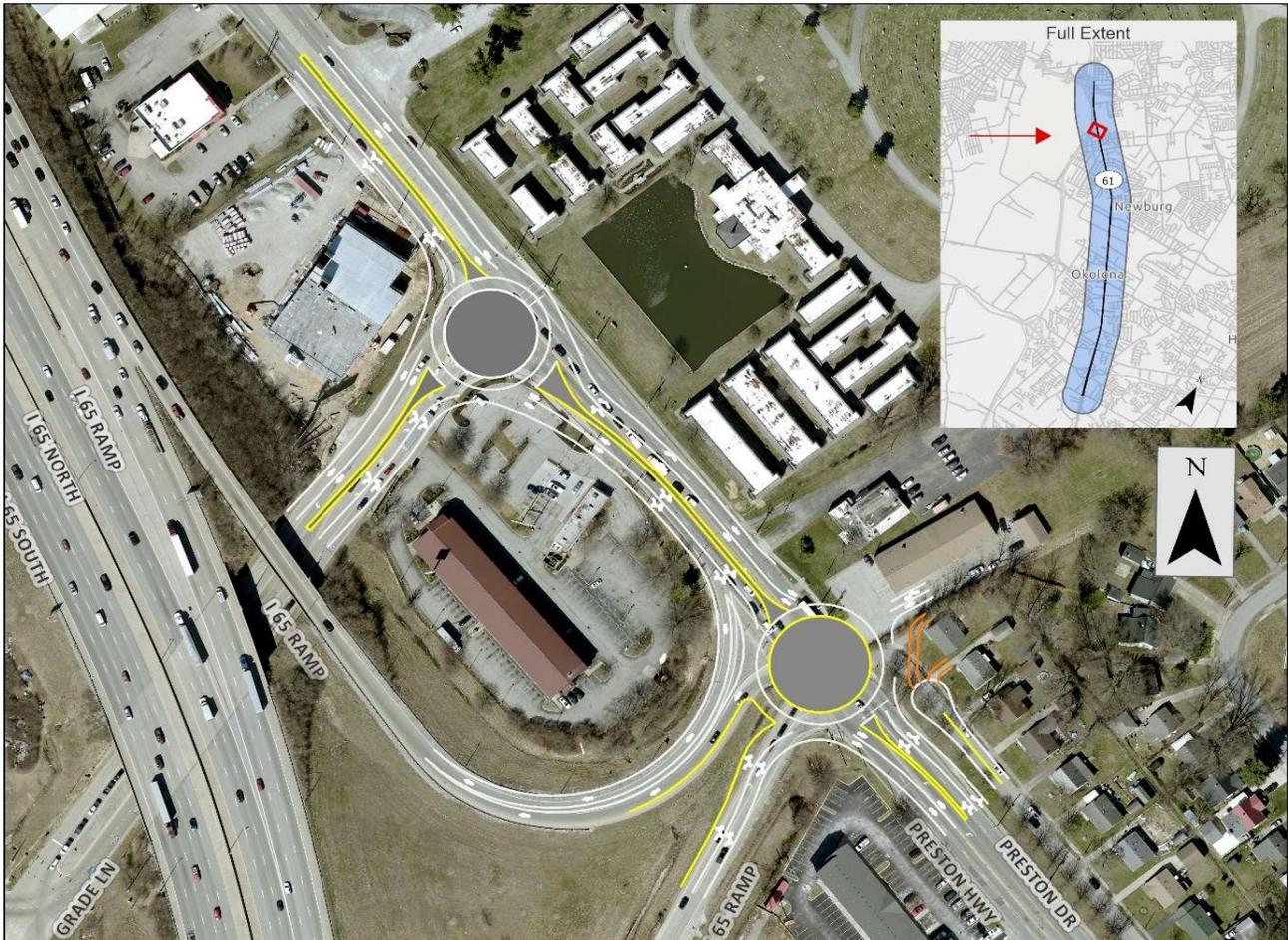
Project Information

KYTC/KIPDA ID	N/A
Functional Class	Urban Minor Arterial
2023 ADT	24,463
2045 No-Build ADT	25,472
EEC	60.01 and 16.54
Bike/Ped Facilities	Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	450,000.00
Right-of-Way	\$	560,000.00
Utilities	\$	225,000.00
Construction	\$	2,100,000.00
Total Cost	\$	3,335,000.00



KY 61 - Jefferson County

Shared Use Path - Commerce Crossings to Southern High School

Priority

BMP: 1.401 **EMP:** 3.175

N/A

Project Description

Add Shared Use Path from Commerce Crossings/Cooper Chapel Road to Southern High School
 West side of KY 61 South of I-265 then transition to East side of KY 61 at I-265
 Reconfigure bridge over I-265 to accomodate path without widening bridge

Identified Needs

No bike/ped facilities across I-265
 Gap in sidewalk network

Expected Benefits

Improved safety for bike/ped
 Bike/ped mobility

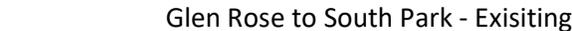
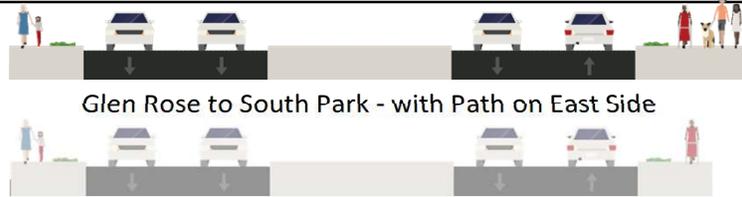
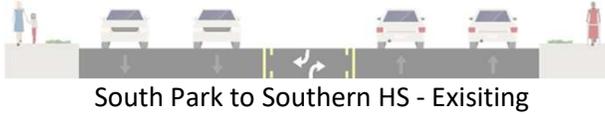
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	24,463*
2045 No-Build ADT	30,056**
EEC	N/A
Bike/Ped Facilities	Intermittent Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	750,000.00
Right-of-Way	\$	-
Utilities	\$	-
Construction	\$	5,000,000.00
Total Cost	\$	5,750,000.00



KY 61 - Jefferson County

KY 61 - Sidewalk Connectivity Project

Priority

BMP:	1.277	EMP:	1.799
BMP:	3.819	EMP:	4.050
BMP:	5.192	EMP:	5.449
BMP:	7.165	EMP:	7.487

N/A

Project Description

Connect Gaps in Sidewalk Connectivity in the KY 61 Study Area

Create Bicyclist & Pedestrian Facilities through KY 61 and I-265 Interchange

Create Bicyclist & Pedestrian Facilities across Culverts in KY 61 Study Area

Identified Needs

Multiple gaps in sidewalk connectivity

No bike/ped facilities across I-265

Expected Benefits

Improved pedestrian mobility and safety

Consistent sidewalk connectivity

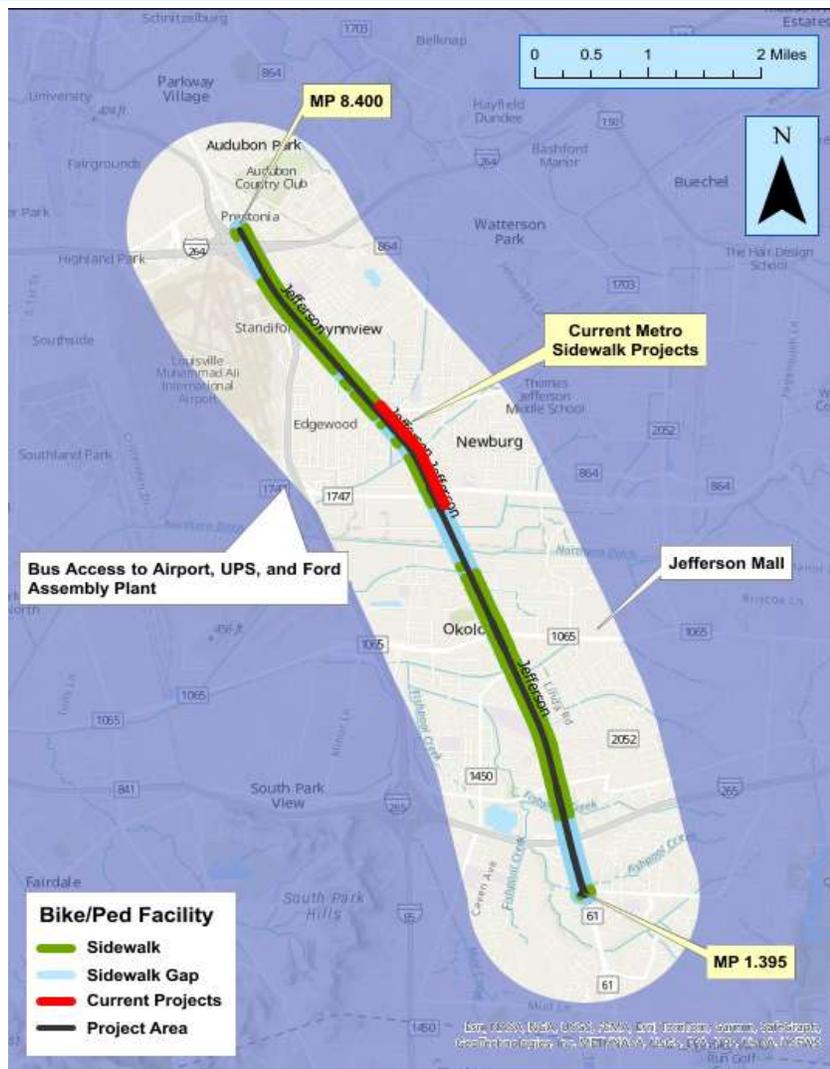
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	24,463*
2045 No-Build ADT	30,056**
EEC	N/A
Bike/Ped Facilities	Intermittent Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	2,325,000.00
Right-of-Way	\$	-
Utilities	\$	-
Construction	\$	15,500,000.00
Total Cost	\$	17,825,000.00



*ADT was taken from largest segment with a recorded ADT on the KYTC Traffic Counts site. This count is the 2023 count from station 056607.

**The 2045 ADT was taken from the averages of the north point and south point of the 2045 model, as there was no ADT tracked for the central segment.

KY 61 - Jefferson County

Priority

Sidewalk Cost

N/A

Project Segment Estimates

Section One - Cardinal Left

BMP	1.395 (Cooper Chapel)
EMP	2.126 (Boerste Way)
Gap Mileage	0.731
Culvert Number	0
Sidewalk Cost	\$ 2,950,371.48
Culvert Cost	\$ -
Total Cost	\$ 2,950,371.48
Design Cost	\$ 442,555.72

Section One - Cardinal Right

BMP	1.425 (Cooper Chapel)
EMP	2.126 (Boerste Way)
Gap Mileage	0.701
Culvert Number	0
Sidewalk Cost	\$ 4,951,256.11
Culvert Cost	\$ -
Total Cost	\$ 4,951,256.11
Design Cost	\$ 742,688.42

Section Two - Cardinal Left

BMP	4.552 (Lavista Way)
EMP	5.014 (Industrial Blvd)
Gap Mileage	0.456
Culvert Number	2
Sidewalk Cost	\$ 1,840,450.61
Culvert Cost	\$ 300,000.00
Total Const Cost	\$ 2,140,450.61
Design Cost	\$ 321,067.59

Section Two - Cardinal Right

BMP	4.552 (Lavista Way)
EMP	5.014 (Industrial Blvd)
Gap Mileage	0.462
Culvert Number	2
Sidewalk Cost	\$ 1,864,667.06
Culvert Cost	\$ 300,000.00
Total Const Cost	\$ 2,164,667.06
Design Cost	\$ 324,700.06

Section Three - Cardinal Left

BMP	5.014 (Industrial Blvd)
EMP	5.355 (Fern Valley Rd)
Gap Mileage	0.298
Culvert Number	1
Sidewalk Cost	\$ 1,202,750.62
Culvert Cost	\$ 150,000.00
Total Const Cost	\$ 1,352,750.62
Design Cost	\$ 202,912.59

Section Three - Cardinal Right

BMP	5.014 (Industrial Blvd)
EMP	5.355 (Fern Valley Rd)
Gap Mileage	0.243
Culvert Number	1
Sidewalk Cost	\$ 980,766.44
Culvert Cost	\$ 150,000.00
Total Const Cost	\$ 1,130,766.44
Design Cost	\$ 169,614.97

Section Four - Cardinal Left

BMP	6.339 (E Indian Trail)
EMP	6.639 (Vim Dr)
Gap Mileage	0.074
Culvert Number	0
Sidewalk Cost	\$ 298,669.62
Culvert Cost	\$ -
Total Const Cost	\$ 298,669.62
Design Cost	\$ 44,800.44

Section Four - Cardinal Right

BMP	6.339 (E Indian Trail)
EMP	6.639 (Vim Dr)
Gap Mileage	0.212
Culvert Number	0
Sidewalk Cost	\$ 855,648.09
Culvert Cost	\$ -
Total Const Cost	\$ 855,648.09
Design Cost	\$ 128,347.21

Section Five - Cardinal Left

BMP	6.639 (Vim Dr)
EMP	6.881 (Gilmore Lane)
Gap Mileage	0.156
Culvert Number	0
Sidewalk Cost	\$ 629,627.84
Culvert Cost	\$ -
Total Const Cost	\$ 629,627.84
Design Cost	\$ 94,444.18

KY 61 - Jefferson County

Corridor Wide - Signal System Upgrades

Priority

BMP: 1.395 **EMP:** 8.400

N/A

Project Description

Add retroreflective backplates 21 traffic signals in corridor
 Upgrade controllers to 2070 as needed
 Add ped buttons were needed
 Optimize signal timing

Identified Needs

Traffic signal delay
 Safety concerns at signalized intersections
 Lack of ped buttons at many locations
 Poor accessibility of ped buttons

Expected Benefits

Improved traffic operations
 Improved safety
 Improved pedestrian mobility & safety
 15% reduction in crashes due to backplates
<https://highways.dot.gov/safety/proven-safety-countermeasures>

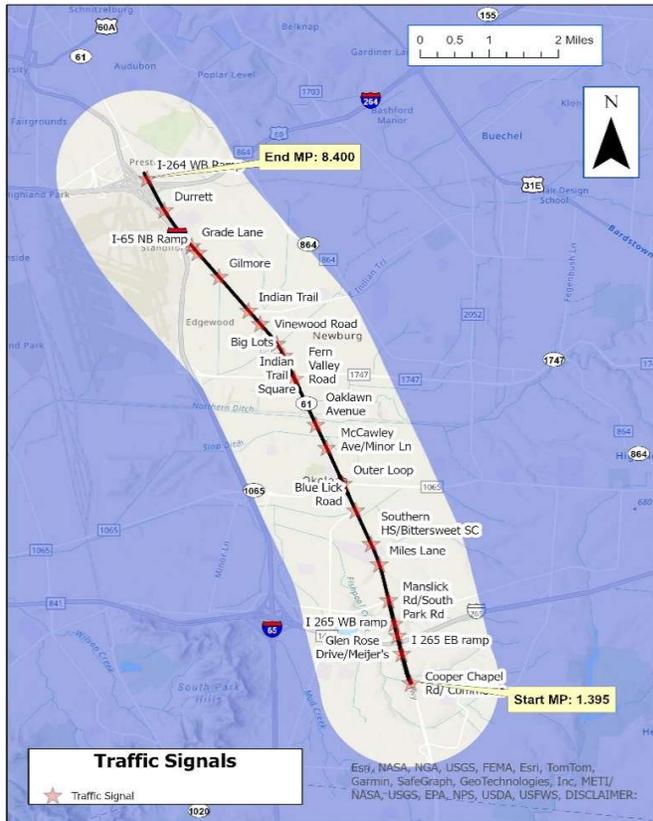
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	24,463*
2045 No-Build ADT	30,056**
EEC	N/A
Bike/Ped Facilities	Intermittent Sidewalk

Project Phase Estimates

(2024 Dollars)

Design	\$	325,000.00
Right-of-Way	\$	-
Utilities	\$	-
Construction	\$	1,365,000.00
Total Cost	\$	1,690,000.00



Source: FHWA



*ADT was taken from largest segment with a recorded ADT on the KYTC Traffic Counts site. This count is the 2023 count from station 056607.
 **The 2045 ADT was taken from the averages of the north point and south point of the 2045 model, as there was no ADT tracked for the central segment.

KY 61 - Jefferson County

Corridor Wide - Intersection Street Lighting

Priority

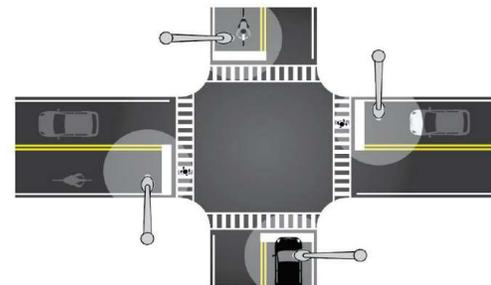
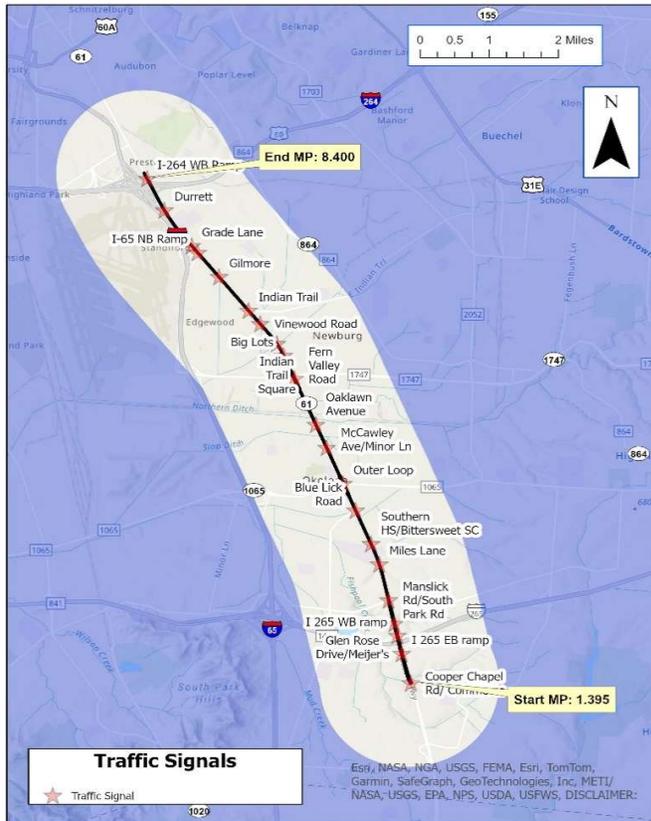
BMP: 1.395 **EMP:** 8.400

N/A

Project Description

Intersection Lighting (4 lights per intersection) at the 21 signalized intersections in the study area.

Identified Needs		Expected Benefits	
Safety concerns at signalized intersections Poor lighting		Improved safety Improved pedestrian mobility & safety 42% reduction in nighttime injury pedestrian crashes https://highways.dot.gov/safety/proven-safety-countermeasures/lighting	
Project Information		Project Phase Estimates (2024 Dollars)	
KYTC/KIPDA ID	5-80205.00	Design	\$ 80,000.00
Functional Class	Urban Minor Arterial	Right-of-Way	\$ -
2023 ADT	24,463*	Utilities	\$ -
2045 No-Build ADT	30,056**	Construction	\$ 525,000.00
EEC	N/A	Total Cost	\$ 605,000.00
Bike/Ped Facilities	Intermittent Sidewalk		



Source: FHWA

*ADT was taken from largest segment with a recorded ADT on the KYTC Traffic Counts site. This count is the 2023 count from station 056607.

**The 2045 ADT was taken from the averages of the north point and south point of the 2045 model, as there was no ADT tracked for the central segment.

KY 61 - Jefferson County

Access Management Project - Southern HS to Gilmore Lane

Priority

BMP: 3.000 **EMP:** 6.870

N/A

Project Description

Curb and gutter	Consolidate entrances
Install raised medians at specific locations	Southern HS (MP 3.00) to Gilmore Ln (MP 6.87)
Channelize left turn lanes	Approx. 3.87 miles
Right-in/Right-out at specific locations	

Identified Needs

Safety concerns due to unpredictability
 Multiple conflict points
 Delay associated with multiple access points

Expected Benefits

Improved safety (20% reduction in crashes)
 Reduction in delay (23% reduction in delay)

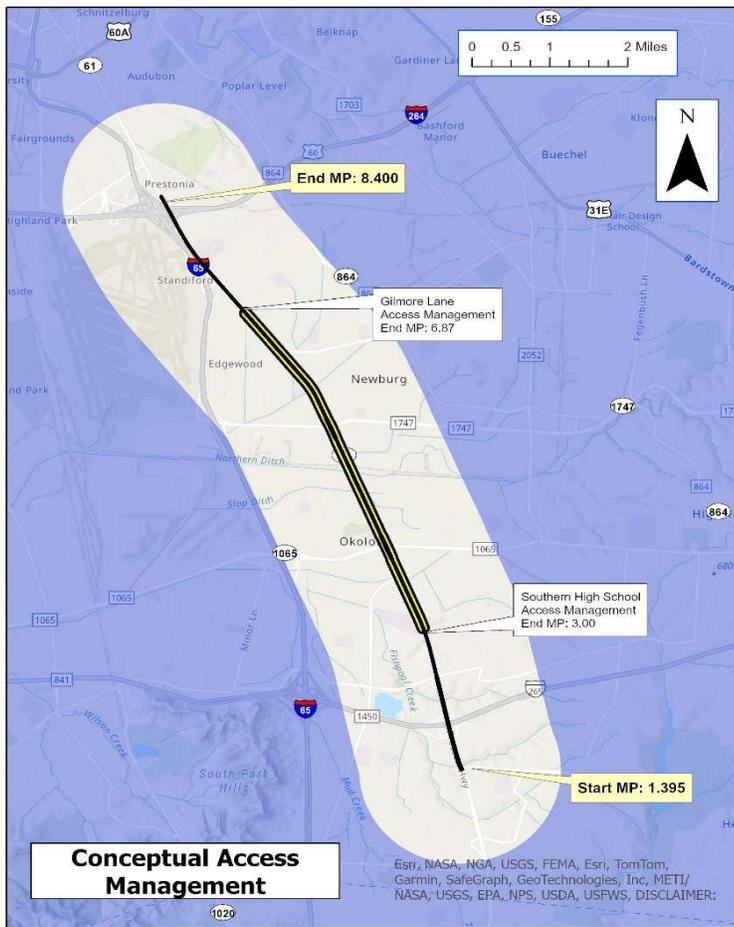
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Urban Minor Arterial
2023 ADT	24,463*
2045 No-Build ADT	30,056**
EEC	N/A
Bike/Ped Facilities	Intermittent Sidewalk

Project Phase Estimates

(2024 Dollars)

Design	\$				1,200,000.00
Right-of-Way	\$				600,000.00
Utilities	\$				300,000.00
Construction	\$				15,500,000.00
Total Cost	\$				17,600,000.00



*ADT was taken from largest segment with a recorded ADT on the KYTC Traffic Counts site. This count is the 2023 count from station 056607.

**The 2045 ADT was taken from the averages of the north point and south point of the 2045 model, as there was no ADT tracked for the central segment.

KY 61 - Jefferson County

KY 61 - Complete Street Rebuild

Priority

BMP: 3.950 **EMP:** 8.400

N/A

Project Description

Rebuild KY 61 from KY 1065 (Outer Loop - MP 3.95) to I-264 (MP 8.40) - 4.45 miles
 Full depth pavement rehab, convert shoulders to curb and gutter, modify medians, fix sidewalk gaps
 Construct BRT dedicated lanes from shouldres/medians between Canal St (MP 4.57) and Gilmore Ln (MP 6.88)

Identified Needs

Inconsistent typical section, lack of sidewalks
 Poor access management
 No accomodation for dedicated bus lanes

Expected Benefits

Improved pedestrian mobility and safety
 Improved access management
 Accomodations for BRT

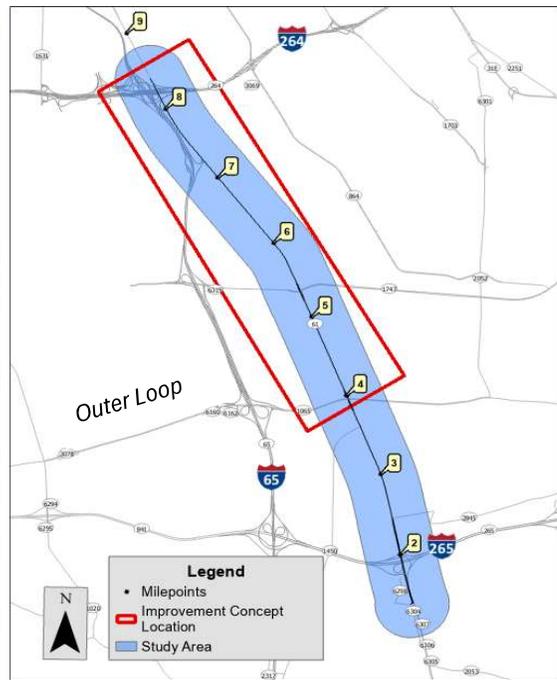
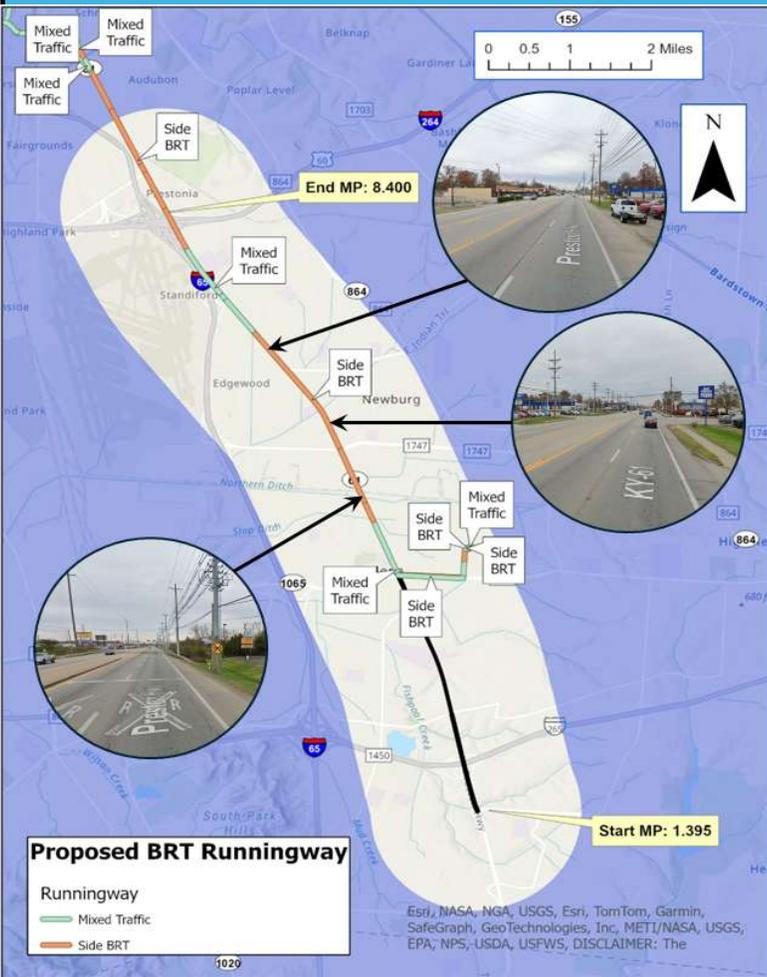
Project Information

KYTC/KIPDA ID	5-80205.00
Functional Class	Minor Arterial
2023 ADT	24,463*
2045 No-Build ADT	30,056**
EEC	N/A
Bike/Ped Facilities	Intermittent Sidewalks

Project Phase Estimates

(2024 Dollars)

Design	\$	7,000,000.00
Right-of-Way	\$	5,000,000.00
Utilities	\$	2,000,000.00
Construction	\$	156,000,000.00
Total Cost	\$	170,000,000.00



*ADT was taken from largest segment with a recorded ADT on the KYTC Traffic Counts site. This count is the 2023 count from station 056607.

**The 2045 ADT was taken from the averages of the north point and south point of the 2045 model, as there was no ADT tracked for the central segment.