

## Appendix H: Conceptual Alignments



# Conceptual Alignments: Project Team Meeting #3

*KY 1931 Planning Study  
From Dixie Hwy to I -264  
Jefferson County  
Item # 5-480.00*

## 1. Widen to Three Lanes

- Details/figures

## 2. Widen to Four Lanes

- This alternative was removed from consideration during Project Team Meeting #2 because it will not address the safety or capacity problems along the corridor.

## 3. Widen to Five Lanes

- Details/figures

## 4. Draft Evaluation Matrix (see separate handout)

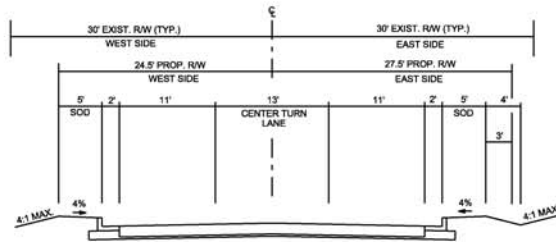
Home and Business Impacts		
Improvement Option	Direct Impacts	Structures within 10ft of Back of Proposed Sidewalk
3-Lane Widening	0	13
5-Lane Widening	15	36

## 5. Spot Improvement Map

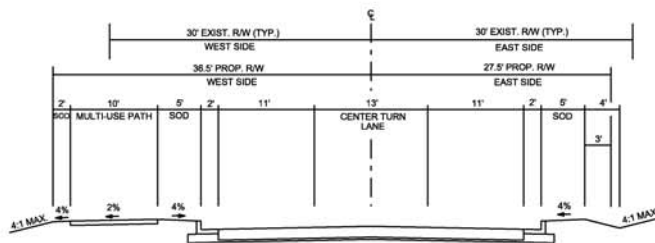
# 6. Improvement Options

KY 1931 Planning Study  
From Dixie Hwy to I-264  
Jefferson County  
Item # 5-480.00

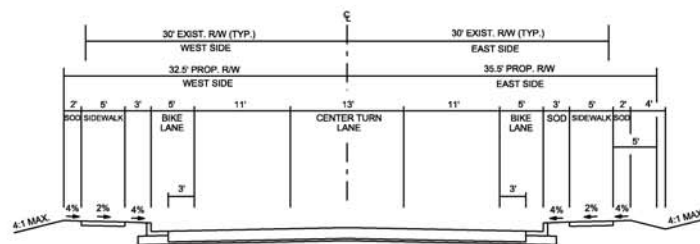
## Three-Lane Typical Section Options



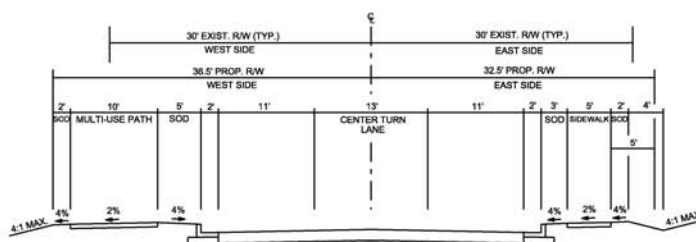
KY 1931 FROM DIXIE HWY TO I-264  
THREE LANE OPTION A (52' PROP. R/W)



KY 1931 FROM DIXIE HWY TO I-264  
THREE LANE OPTION B (64' PROP. R/W)



KY 1931 FROM DIXIE HWY TO I-264  
THREE LANE OPTION C (68' PROP. R/W)



KY 1931 FROM DIXIE HWY TO I-264  
THREE LANE OPTION D (69' PROP. R/W)

**Legend**

- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



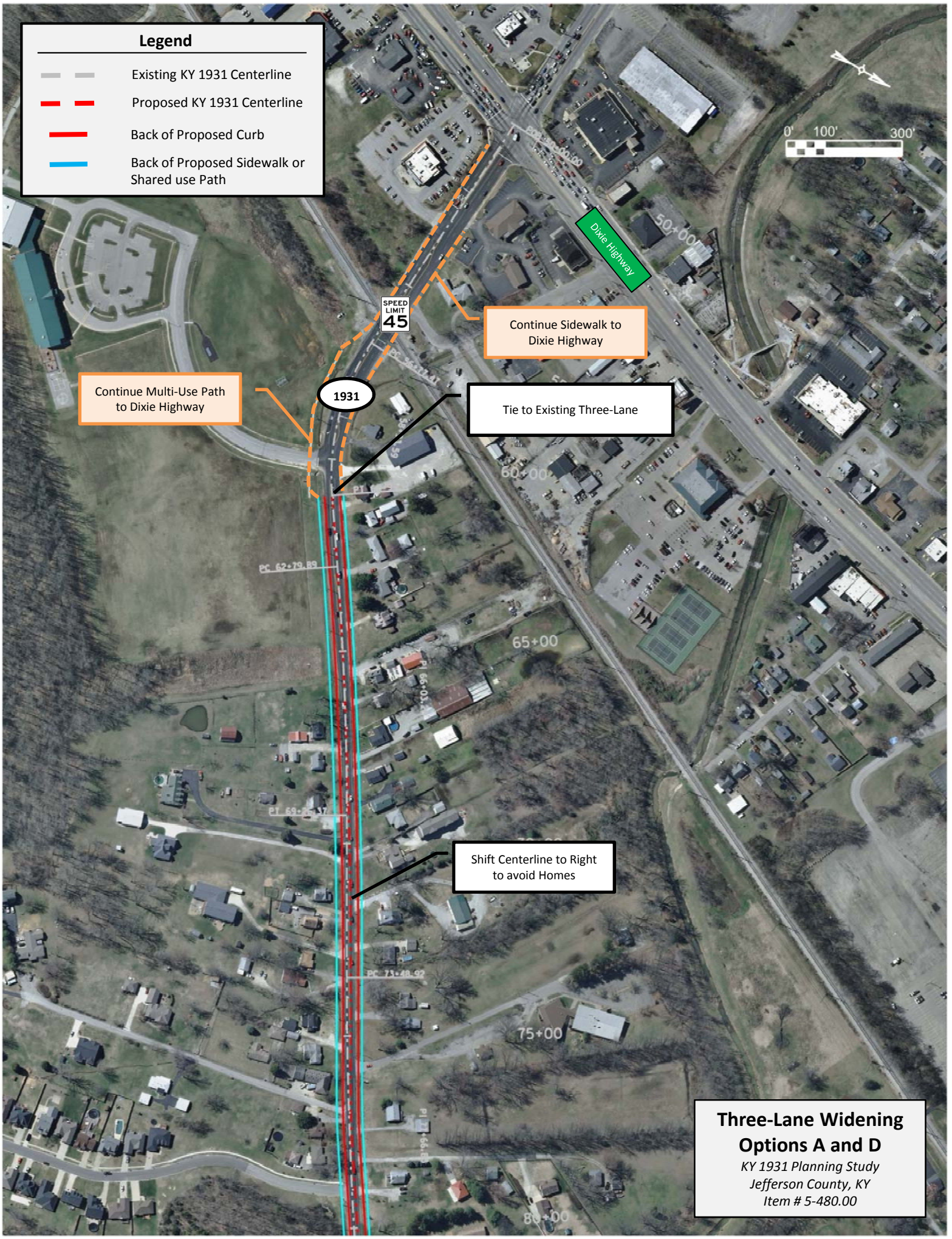
Continue Multi-Use Path to Dixie Highway

Continue Sidewalk to Dixie Highway

Tie to Existing Three-Lane

Shift Centerline to Right to avoid Homes

**Three-Lane Widening  
Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00



**Legend**

- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path

Shift Centerline to Right to avoid Big Run Creek

SPEED LIMIT 45

1931

Birnamwood Dr

Arnoldtown Rd

Big Run Creek

St Anthony Church Rd

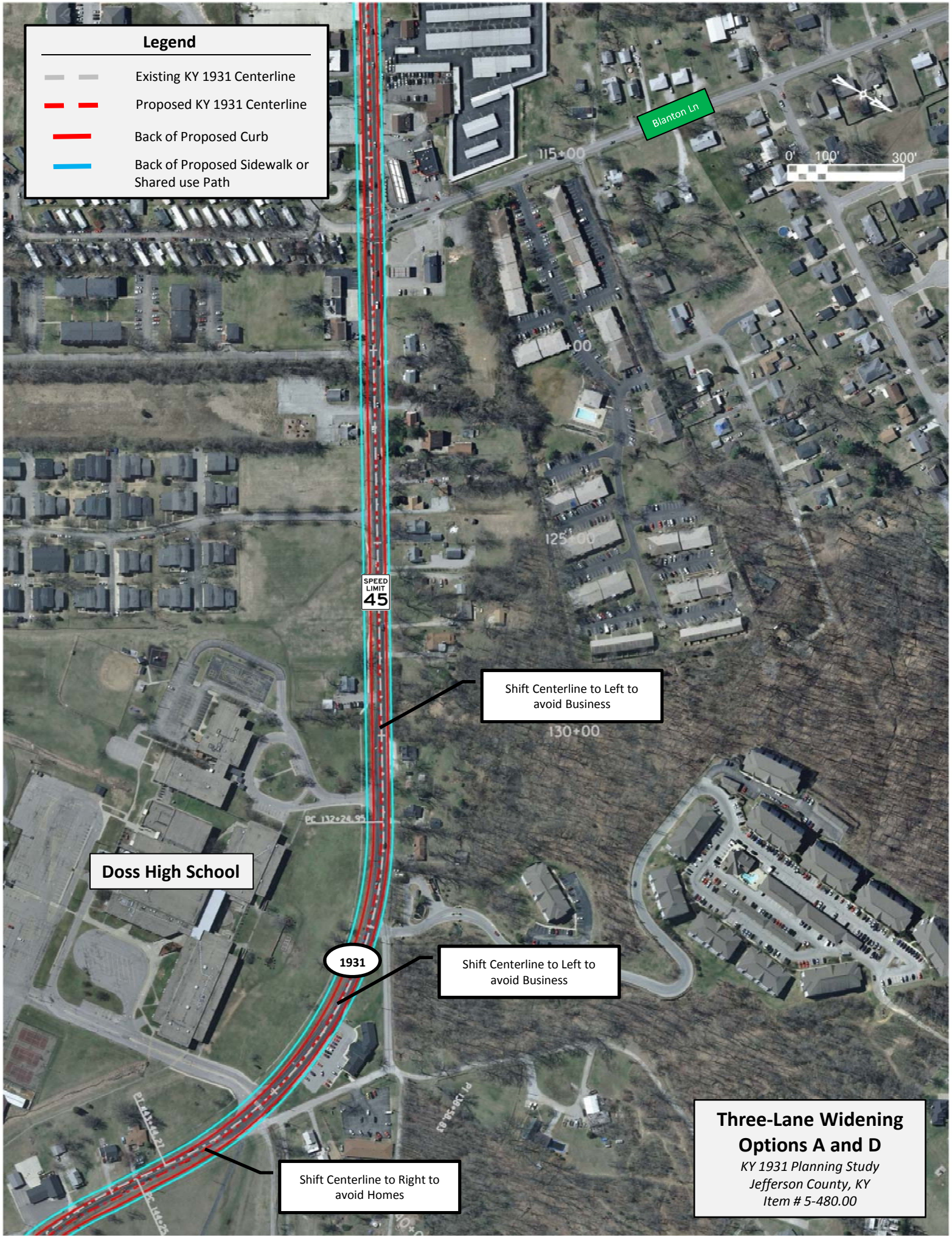
Shift Centerline to Right to avoid Church

**Three-Lane Widening Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00



**Legend**

- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



Shift Centerline to Left to avoid Business

Doss High School

1931

Shift Centerline to Left to avoid Business

Shift Centerline to Right to avoid Homes

**Three-Lane Widening Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00

### Legend

- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path

Doss High School

SPEED LIMIT 45

1931

SPEED LIMIT 45

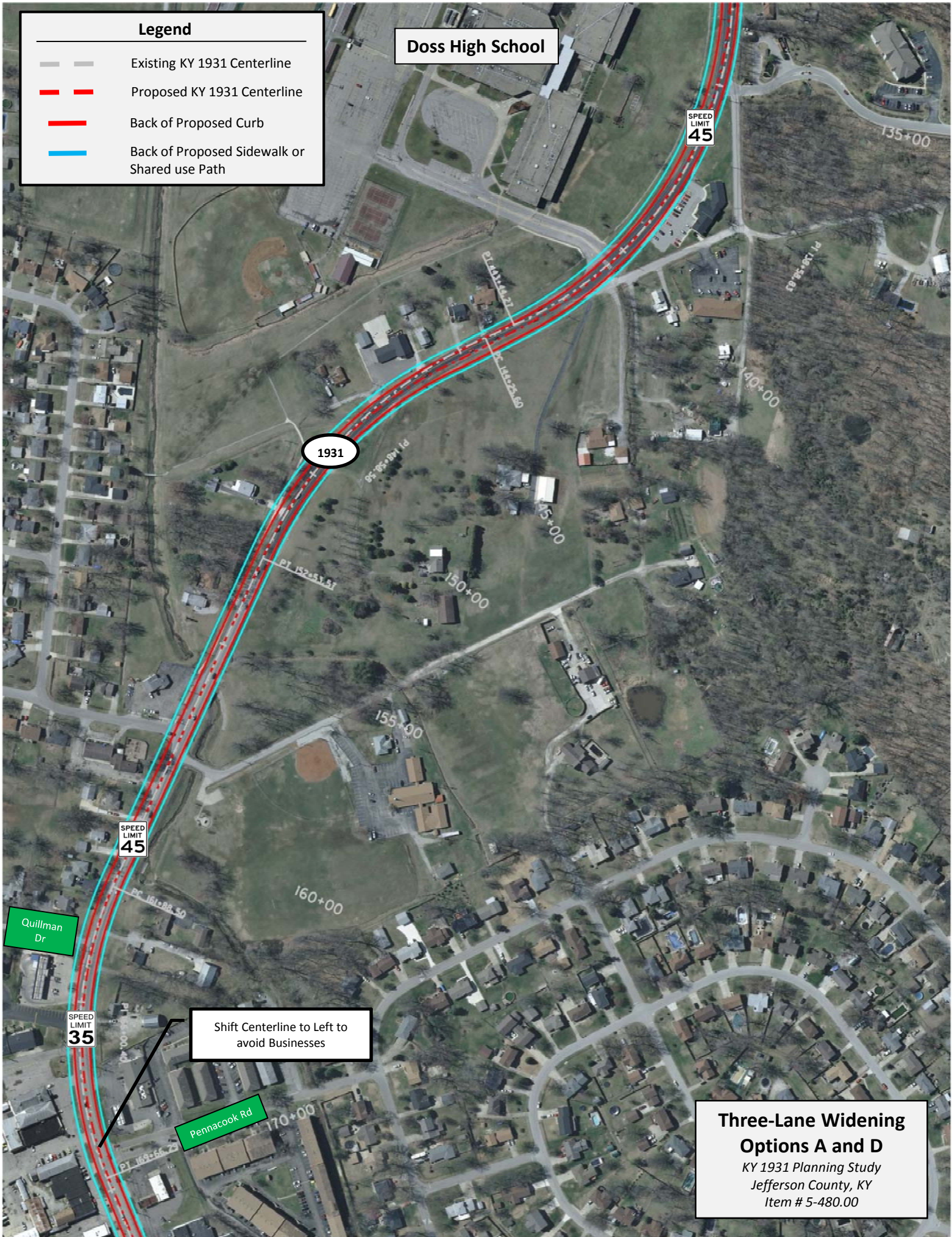
Quillman Dr

SPEED LIMIT 35

Shift Centerline to Left to avoid Businesses

Pennacook Rd

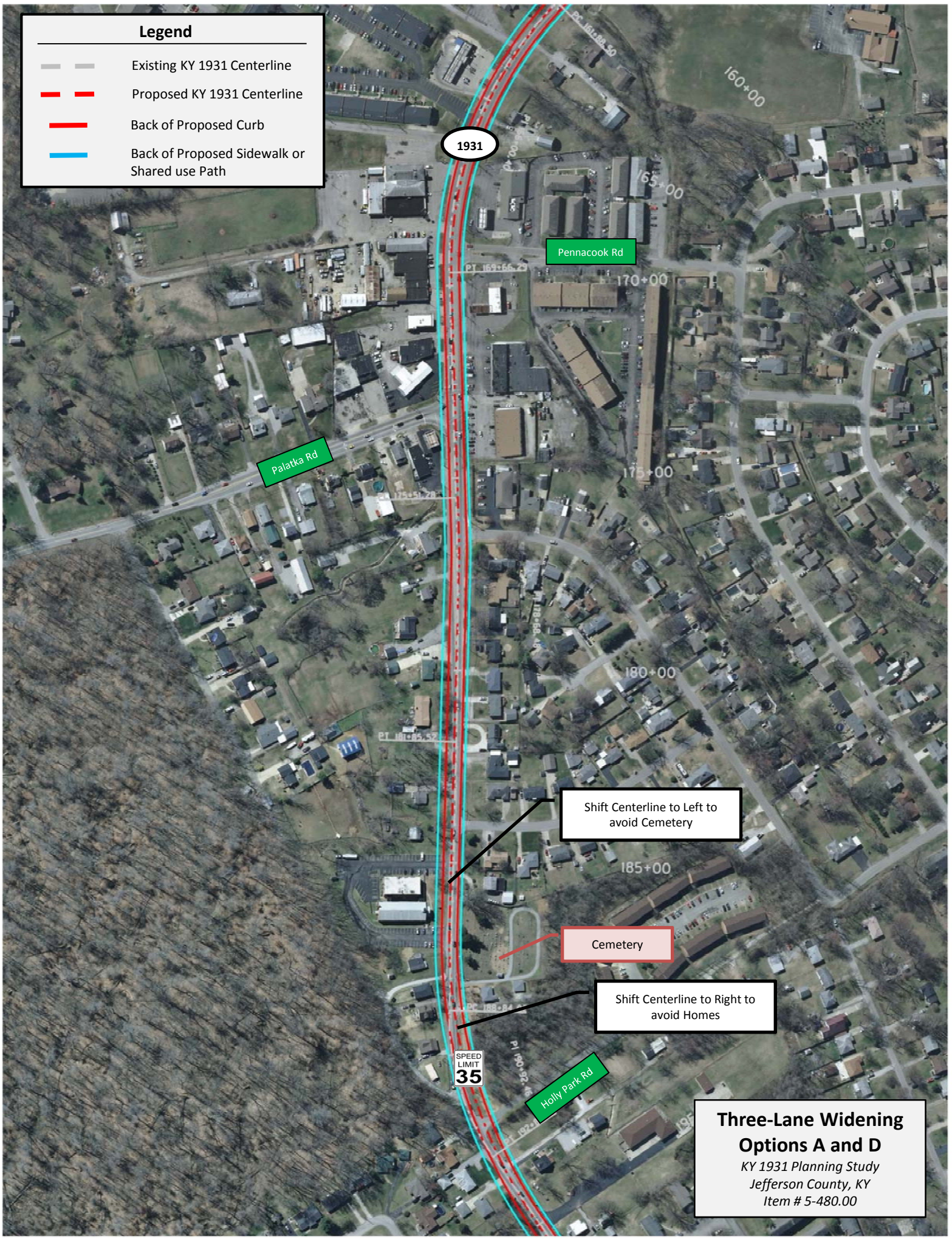
**Three-Lane Widening  
Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00





**Legend**

- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



1931

Pennacook Rd

Palarka Rd

Shift Centerline to Left to avoid Cemetery

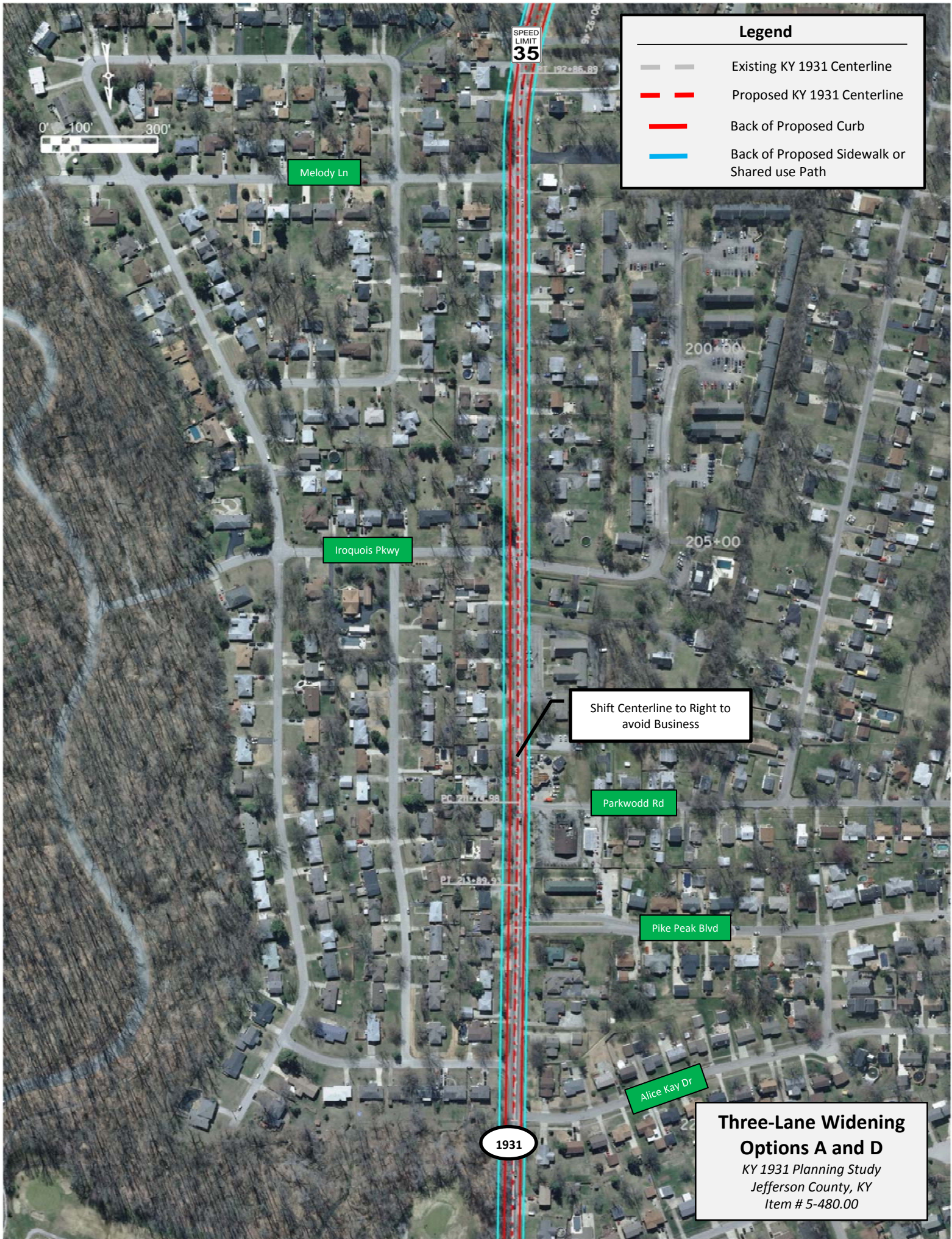
Cemetery

Shift Centerline to Right to avoid Homes

SPEED LIMIT 35

Holly Park Rd

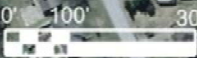
**Three-Lane Widening  
Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00



SPEED  
LIMIT  
35

**Legend**

- Existing KY 1931 Centerline
- - - Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



Melody Ln

Iroquois Pkwy

Shift Centerline to Right to avoid Business

Parkwood Rd

Pike Peak Blvd

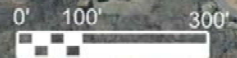
Alice Kay Dr

1931

**Three-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00

**Legend**

- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



SPEED LIMIT 35

Stephen Ln

De'Mel Ave

Gagel Ave

Hazelwood Way

Friden Way

Glenrock Rd

Knight Rd

Shift Centerline to Left to avoid disturbing Homes on Hill

1931

**Three-Lane Widening Options A and D**

KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00



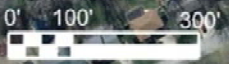


1931

250+00

Eskridge Ln

255+00



Shift Centerline to Right to avoid disturbing Cemetery

Cemetery

Continue Multi-Use Path to Bluegrass Ave

Bluegrass Ave

Tie to Existing Three-Lane

Hobart Dr

SPEED LIMIT 35

Anna Ln

Continue Sidewalk or Multi-Use Path to I-264 Crossing

Continue Sidewalks to Lance Drive

Legend	
	Existing KY 1931 Centerline
	Proposed KY 1931 Centerline
	Back of Proposed Curb
	Back of Proposed Sidewalk or Shared use Path

**Three-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00



Continue Sidewalk to Lance Drive

Continue Sidewalks or Multi-Use Path to I-264 Crossing

SPEED LIMIT 35

Lance Drive

1931

0' 100' 300'

264

264

295+00

PC 295+48.21

PI 291+90.03





300+00

Crums Ln

PT 300+24.84

POB 302+74.12

02+2

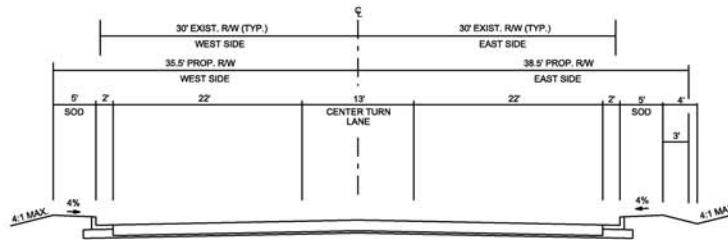
Legend	
	Existing KY 1931 Centerline
	Proposed KY 1931 Centerline
	Back of Proposed Curb
	Back of Proposed Sidewalk or Shared use Path

**Three-Lane Widening Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00

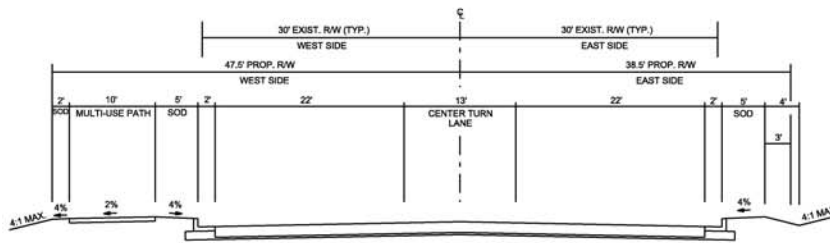
# 6. Improvement Options

KY 1286/KY 998 Planning Study  
From US 45 to US 60  
McCracken County  
Item # 1-153.00

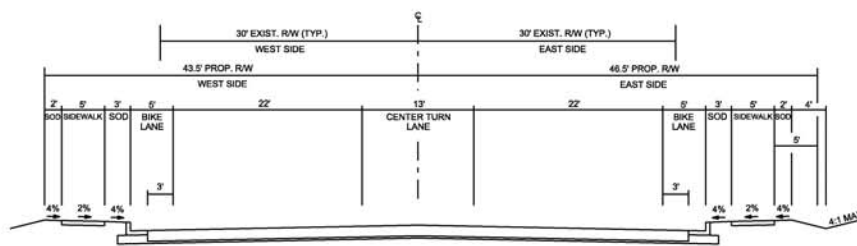
## Five-Lane Typical Section Options



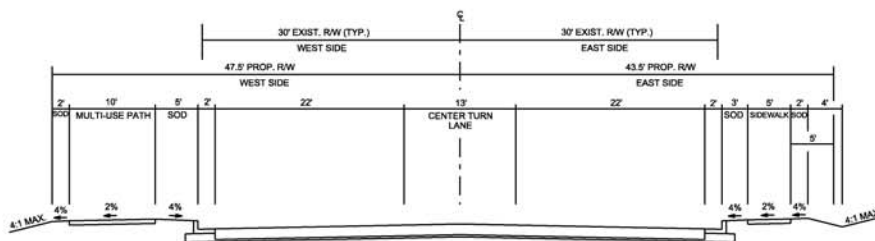
KY 1931 FROM DIXIE HWY TO I-264  
FIVE LANE OPTION A (74' PROP. R.W)



KY 1931 FROM DIXIE HWY TO I-264  
FIVE LANE OPTION B (86' PROP. R.W)



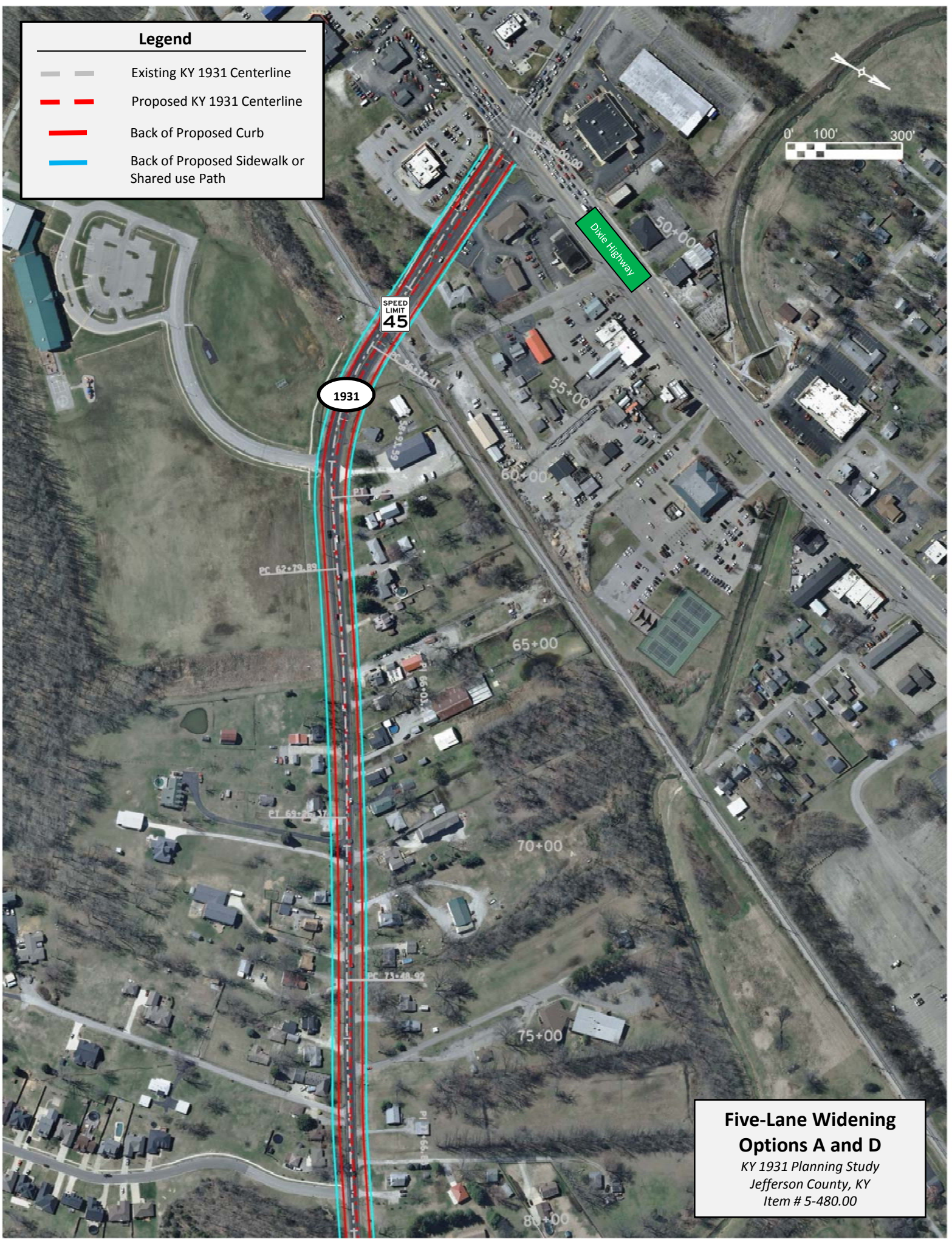
KY 1931 FROM DIXIE HWY TO I-264  
FIVE LANE OPTION C (90' PROP. R.W)



KY 1931 FROM DIXIE HWY TO I-264  
FIVE LANE OPTION D (91' PROP. R.W)

**Legend**

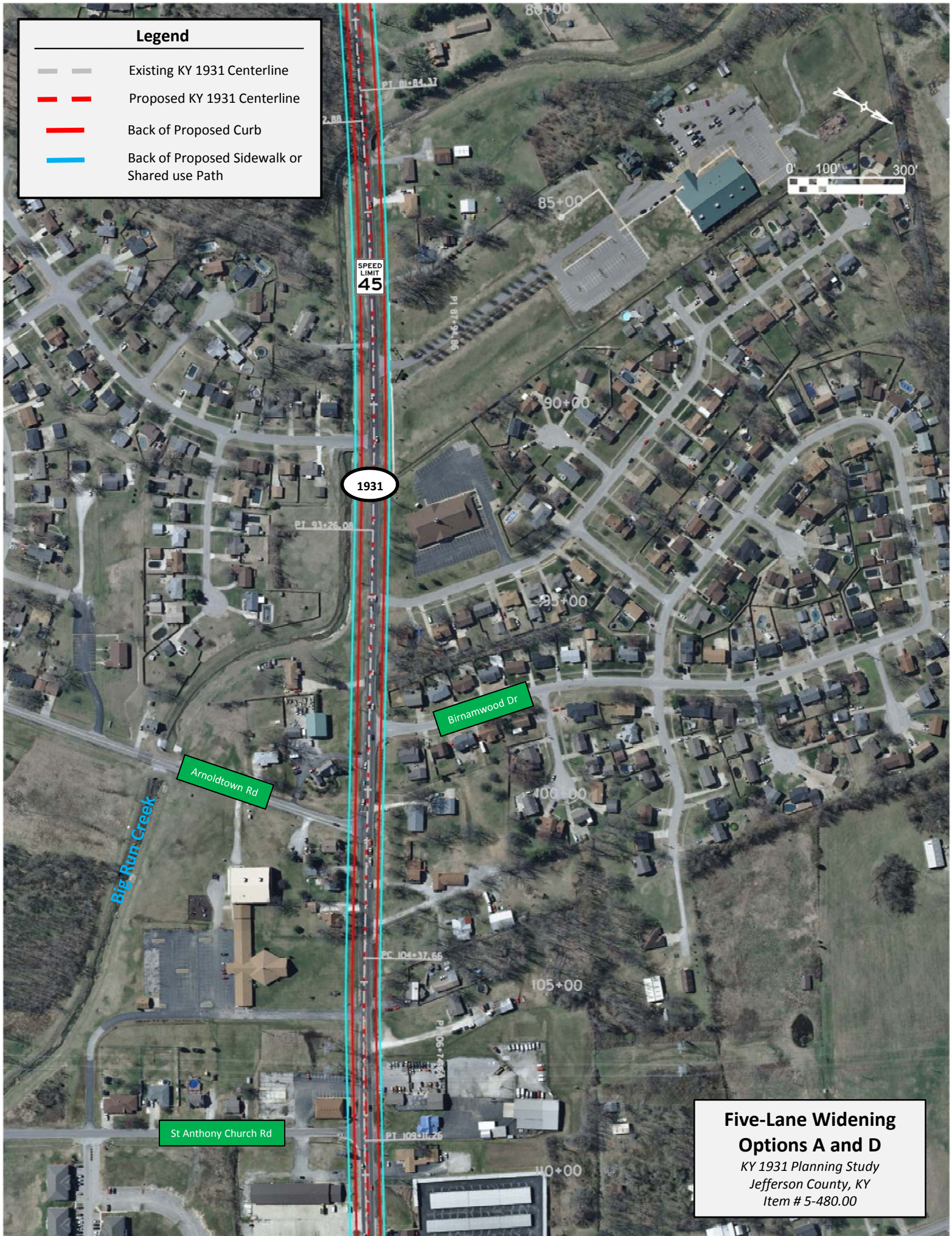
- Existing KY 1931 Centerline
- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



**Five-Lane Widening  
Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00

**Legend**

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- Proposed KY 1931 Centerline
- Back of Proposed Curb
- Back of Proposed Sidewalk or Shared use Path



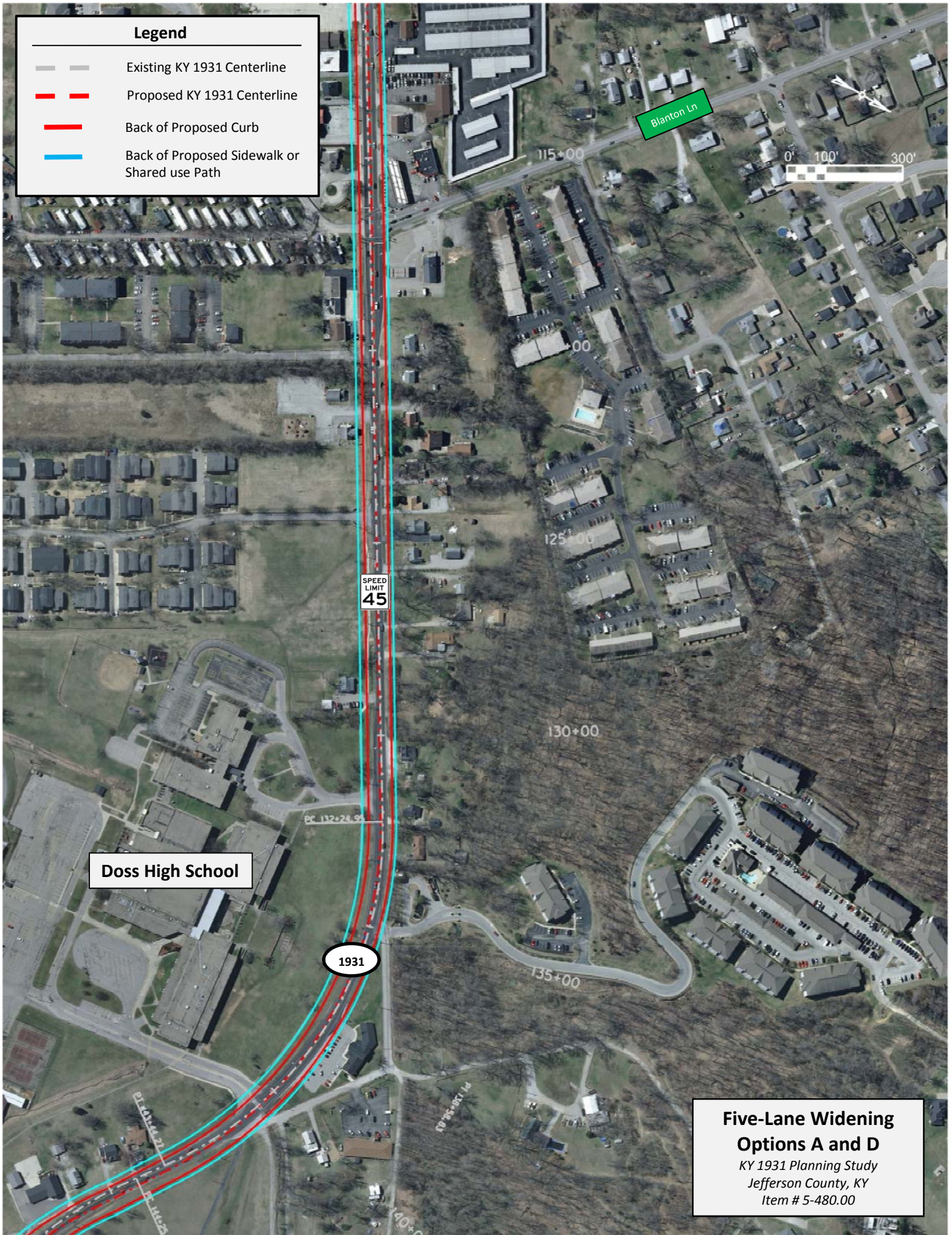
**Five-Lane Widening  
Options A and D**

*KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00*



**Legend**

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**Doss High School**

**1931**

**Five-Lane Widening  
Options A and D**  
KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00

**Legend**

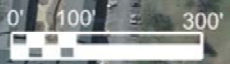
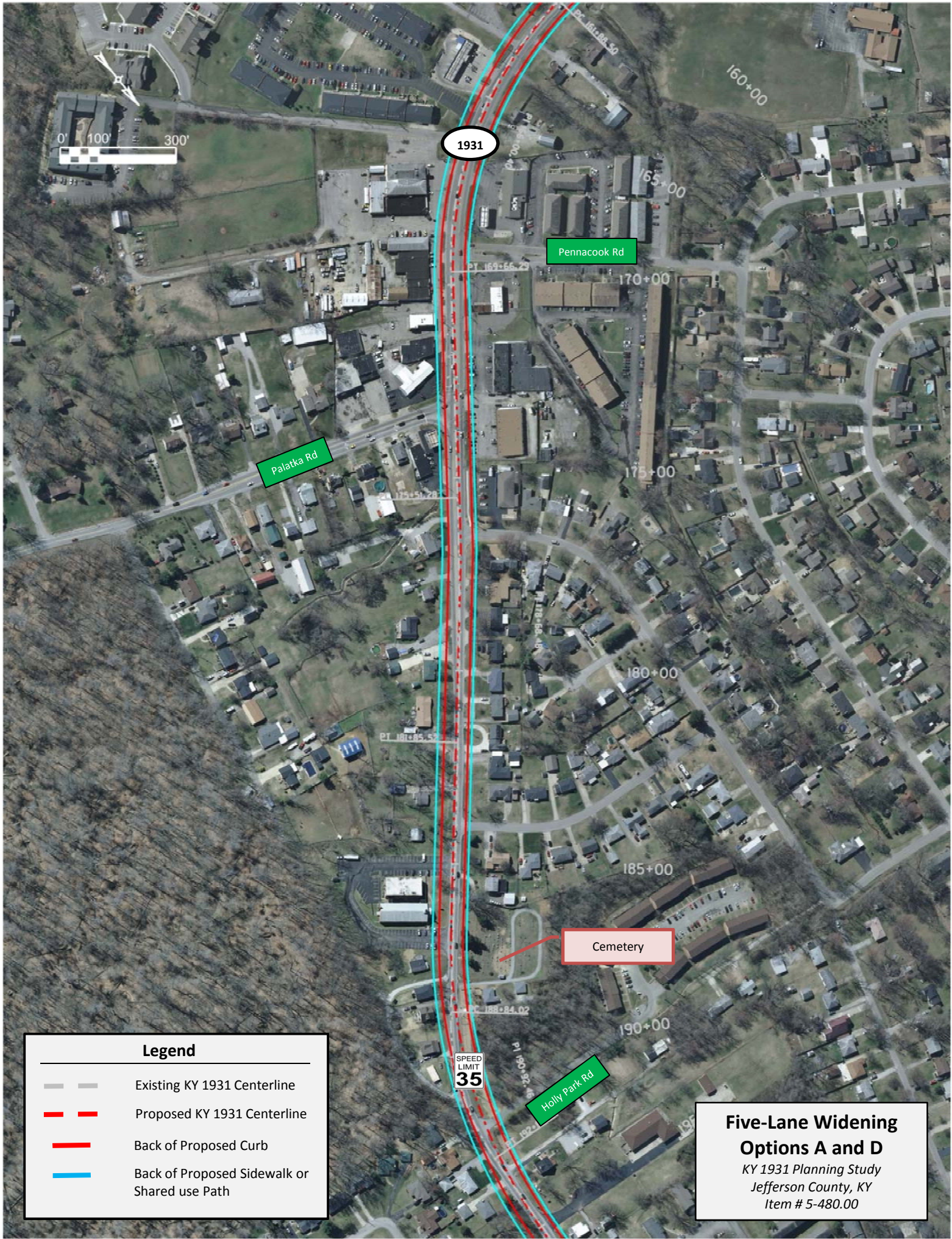
- Existing KY 1931 Centerline
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**Doss High School**



**Five-Lane Widening  
Options A and D**

*KY 1931 Planning Study  
Jefferson County, KY  
Item # 5-480.00*



1931

Pennacook Rd





Palarka Rd

Cemetery

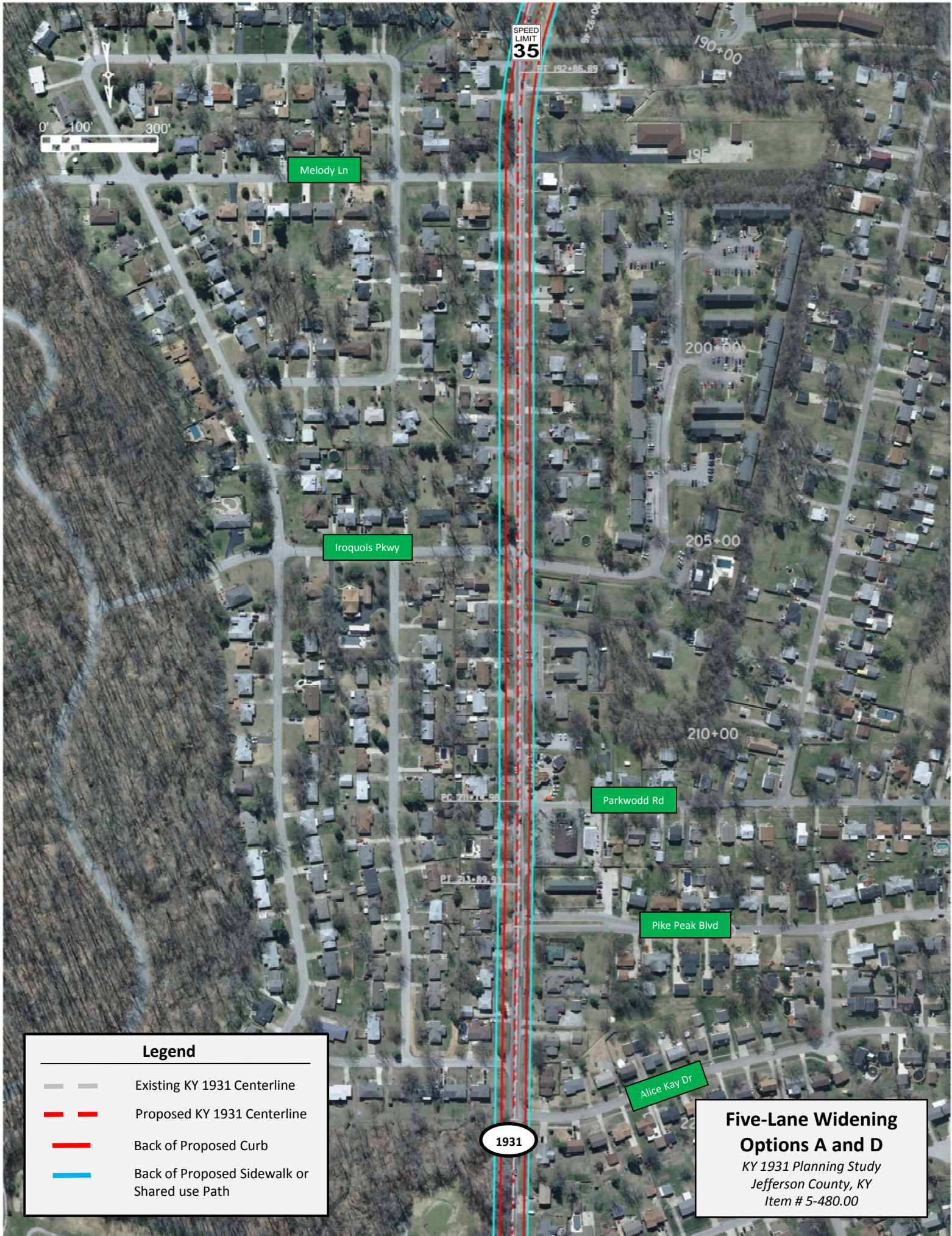
Holly Park Rd

SPEED LIMIT 35

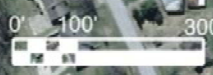
**Legend**

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**Five-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00



SPEED  
LIMIT  
35



Melody Ln

Iroquois Pkwy

Parkwood Rd





Pike Peak Blvd

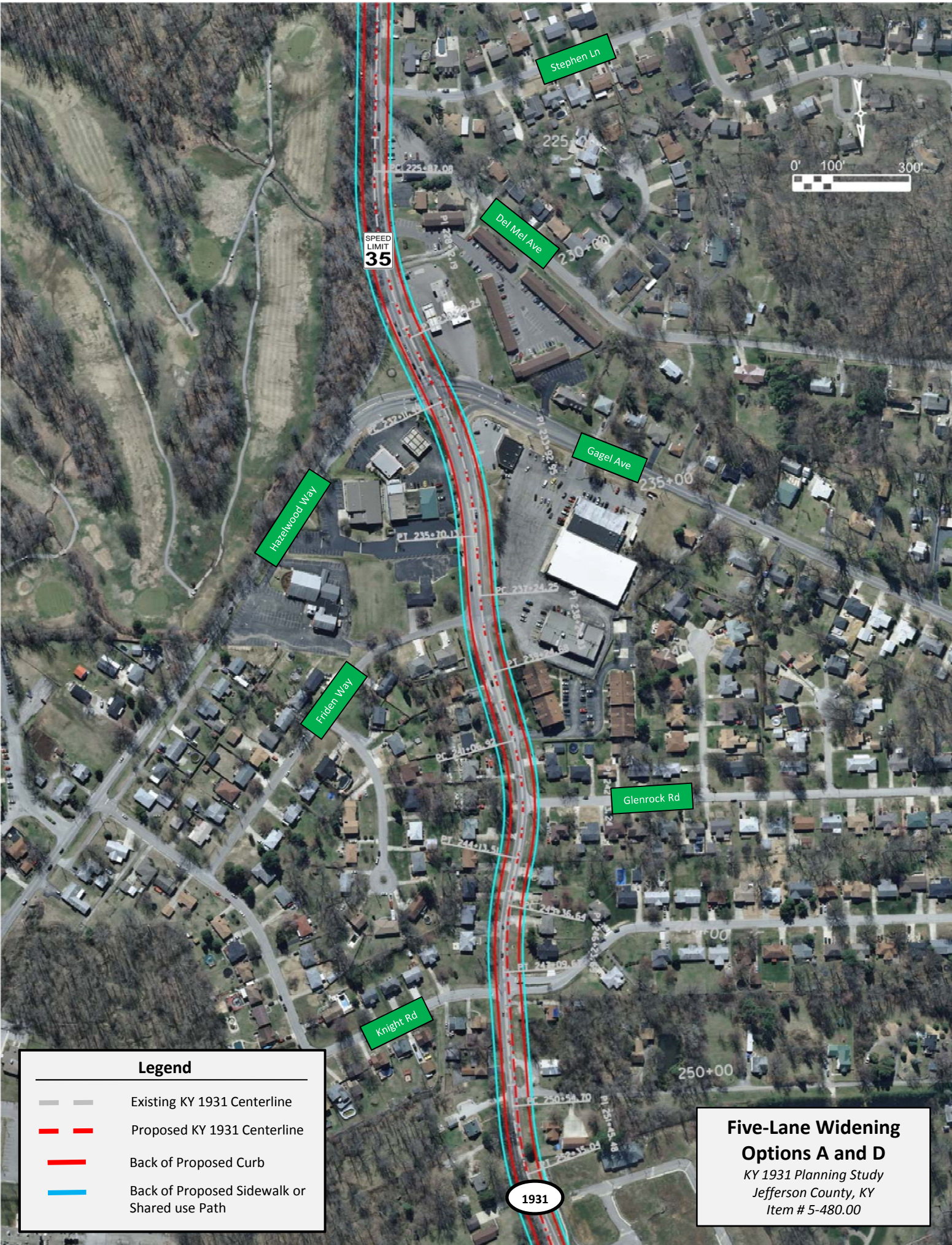
Alice Kay Dr





1931

**Five-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00

**Legend**

-  Existing KY 1931 Centerline
-  Proposed KY 1931 Centerline
-  Back of Proposed Curb
-  Back of Proposed Sidewalk or Shared use Path



Legend	
	Existing KY 1931 Centerline
	Proposed KY 1931 Centerline
	Back of Proposed Curb
	Back of Proposed Sidewalk or Shared use Path

**Five-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00

1931



1931

Eskridge Ln

250+00

255+00

Cemetery

Hobart Dr

Bluegrass Ave

SPEED LIMIT 35

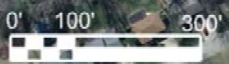
Anna Ln

265+00

270+00

275+00

280+00



Legend	
	Existing KY 1931 Centerline
	Proposed KY 1931 Centerline
	Back of Proposed Curb
	Back of Proposed Sidewalk or Shared use Path

**Five-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00







Continue Sidewalks  
or Multi-Use Path  
to I-264 Crossing

1931

Tie to Existing Five-Lane

Crums Ln

**Legend**

-  Existing KY 1931 Centerline
-  Proposed KY 1931 Centerline
-  Back of Proposed Curb
-  Back of Proposed Sidewalk or Shared use Path

**Five-Lane Widening  
Options A and D**  
 KY 1931 Planning Study  
 Jefferson County, KY  
 Item # 5-480.00

# Conceptual Alignments

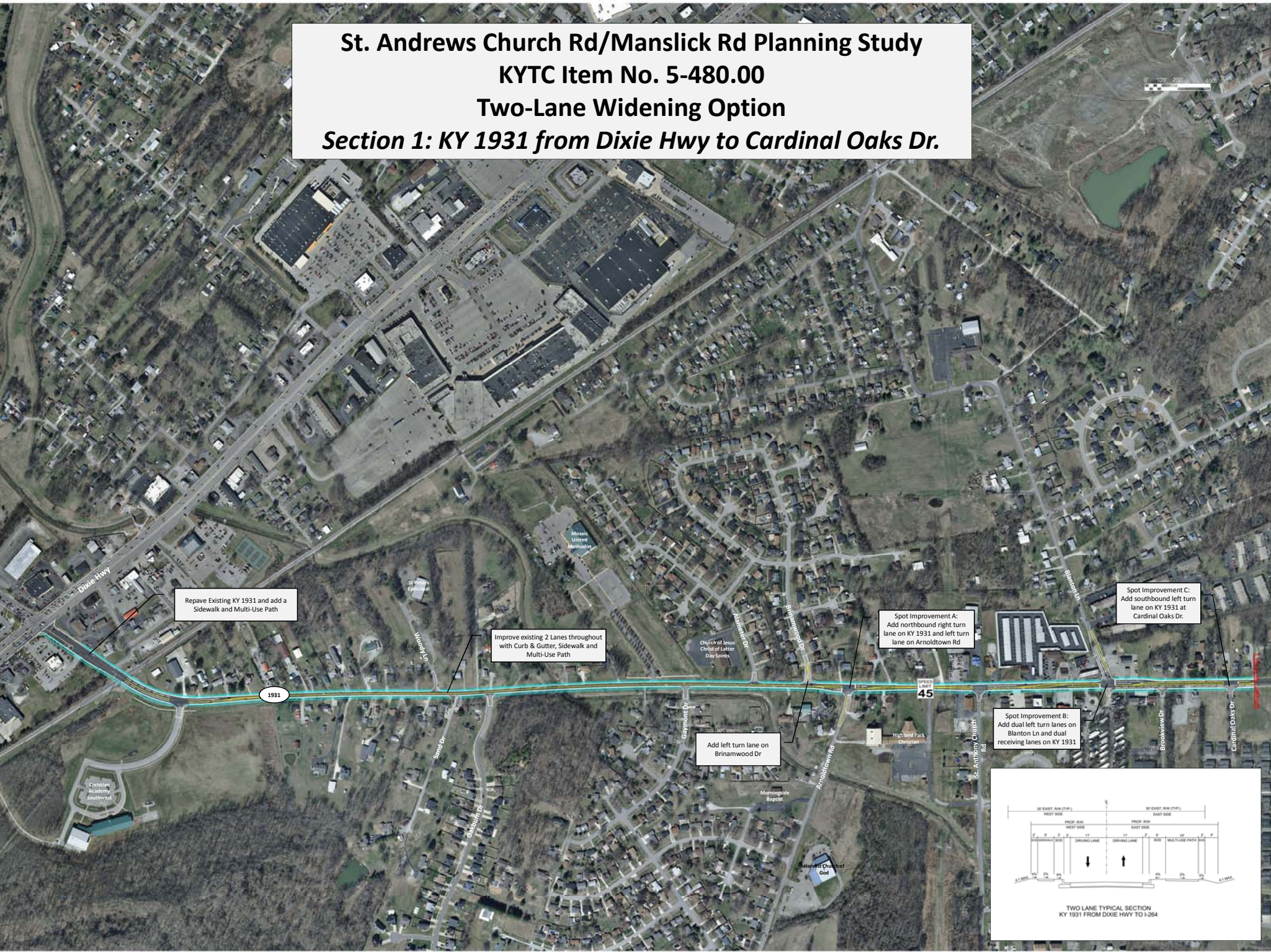
Stakeholder Meeting #2 and

Public Meeting #2

July 23, 2013



**St. Andrews Church Rd/Manslick Rd Planning Study**  
**KYTC Item No. 5-480.00**  
**Two-Lane Widening Option**  
**Section 1: KY 1931 from Dixie Hwy to Cardinal Oaks Dr.**



Repave Existing KY 1931 and add a Sidewalk and Multi-Use Path

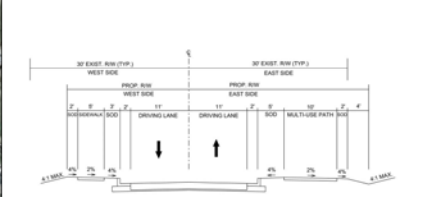
Improve existing 2 Lanes throughout with Curb & Gutter, Sidewalk and Multi-Use Path

Add left turn lane on Brinamwood Dr

Spot Improvement A: Add northbound right turn lane on KY 1931 and left turn lane on Arnoldtown Rd

Spot Improvement B: Add dual left turn lanes on Blanton Ln and dual receiving lanes on KY 1931

Spot Improvement C: Add southbound left turn lane on KY 1931 at Cardinal Oaks Dr.



TWO LANE TYPICAL SECTION  
 KY 1931 FROM DIXIE HWY TO I-264

**St. Andrews Church Rd/Manslick Rd Planning Study**  
**KYTC Item No. 5-480.00**  
**Three-Lane Widening Option**  
**Section 1: KY 1931 from Dixie Hwy to Cardinal Oaks Dr.**



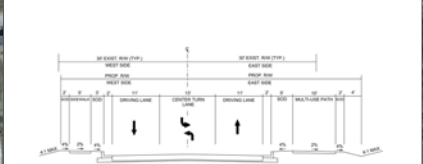
Repave Existing KY 1931 and add a Sidewalk and Multi-Use Path

Widen to 3 Lanes throughout with Center Turn Lane, Sidewalk, and Multi-Use Path

Add left turn lane on Brinamwood Dr

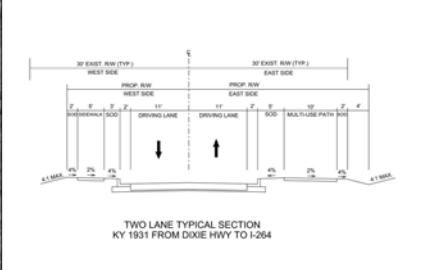
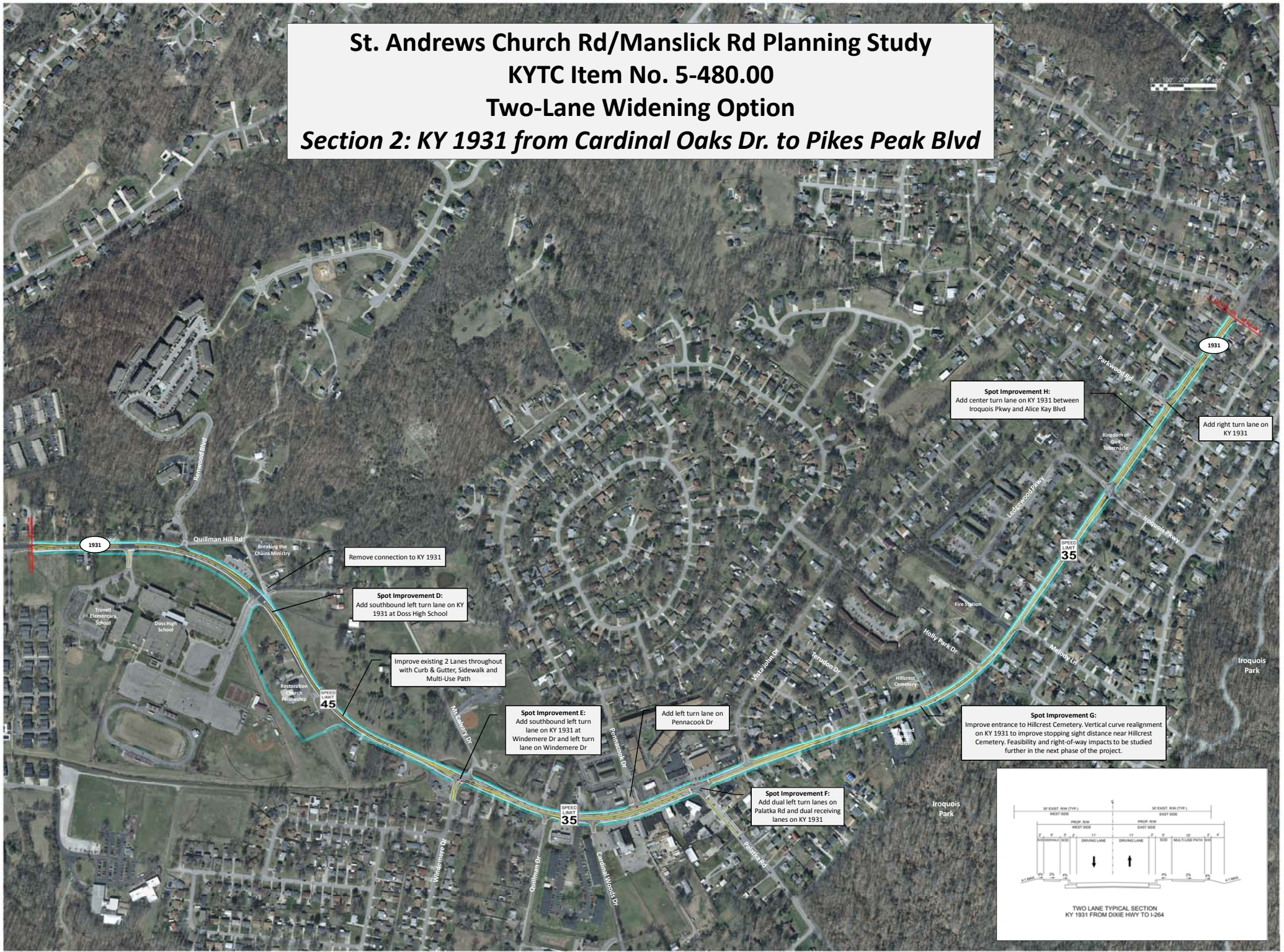
Add right turn lane on KY 1931 and left turn lane on Arnoldtown Rd

Add dual left turn lanes on Blanton Ln and dual receiving lanes on KY 1931

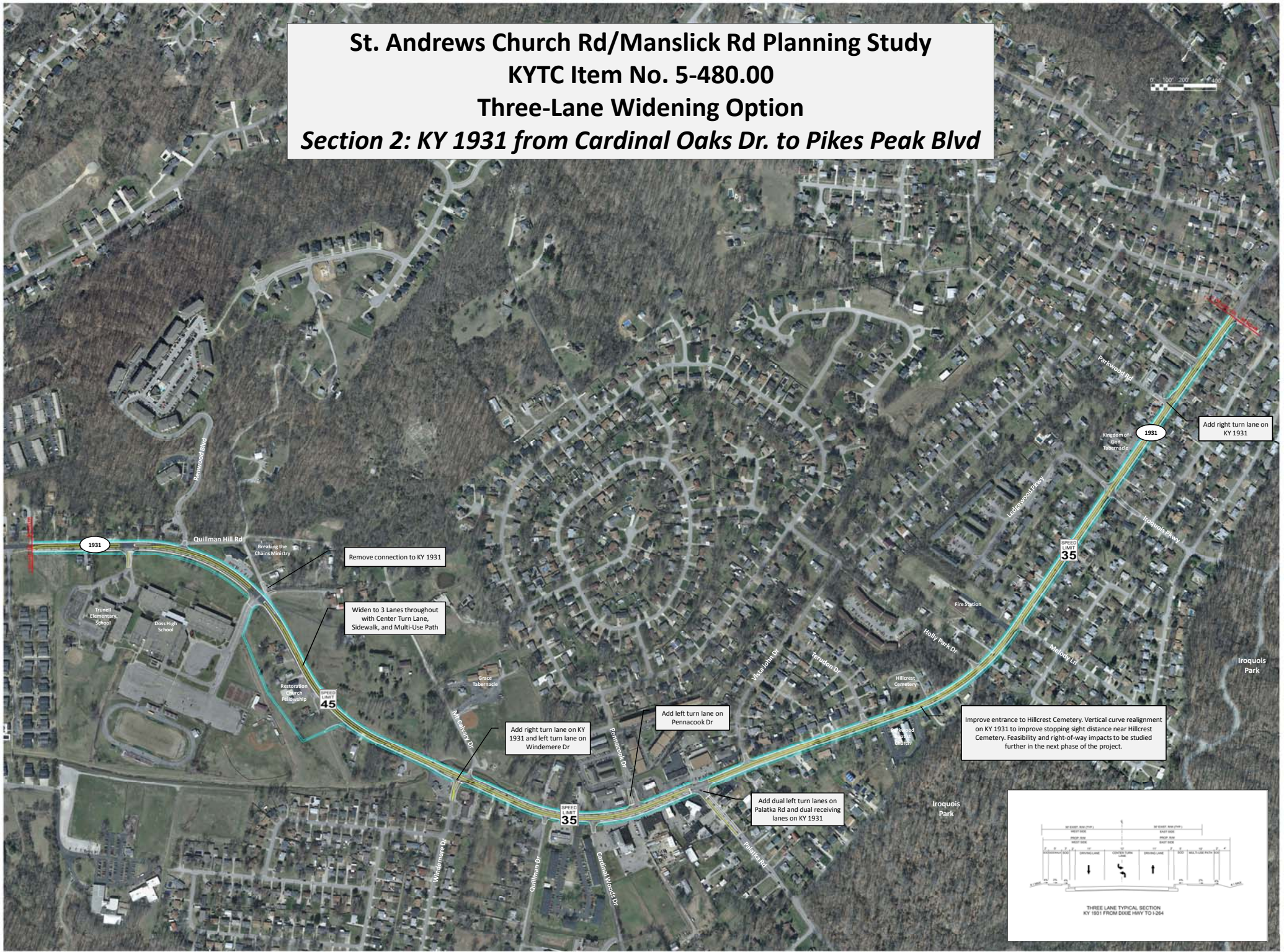


THREE LANE TYPICAL SECTION  
 KY 1931 FROM DIXIE HWY TO I-264

# St. Andrews Church Rd/Manslick Rd Planning Study KYTC Item No. 5-480.00 Two-Lane Widening Option Section 2: KY 1931 from Cardinal Oaks Dr. to Pikes Peak Blvd



**St. Andrews Church Rd/Manslick Rd Planning Study**  
**KYTC Item No. 5-480.00**  
**Three-Lane Widening Option**  
**Section 2: KY 1931 from Cardinal Oaks Dr. to Pikes Peak Blvd**



Remove connection to KY 1931

Widen to 3 Lanes throughout with Center Turn Lane, Sidewalk, and Multi-Use Path

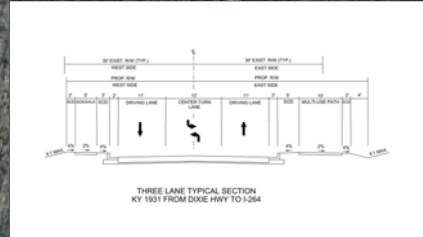
Add right turn lane on KY 1931 and left turn lane on Windemere Dr

Add left turn lane on Pennacook Dr

Add dual left turn lanes on Palatka Rd and dual receiving lanes on KY 1931

Improve entrance to Hillcrest Cemetery. Vertical curve realignment on KY 1931 to improve stopping sight distance near Hillcrest Cemetery. Feasibility and right-of-way impacts to be studied further in the next phase of the project.

Add right turn lane on KY 1931

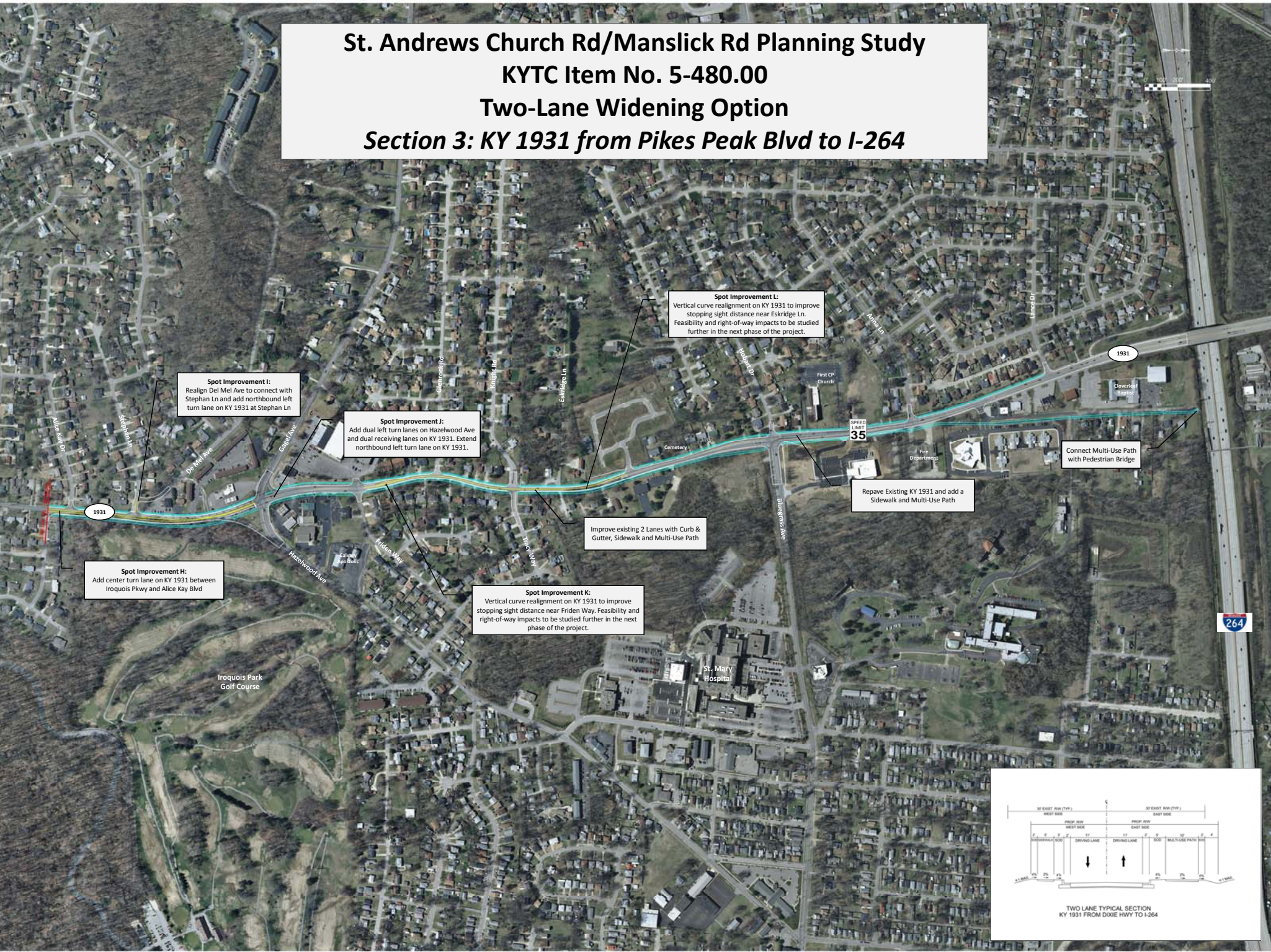


# St. Andrews Church Rd/Manslick Rd Planning Study

## KYTC Item No. 5-480.00

### Two-Lane Widening Option

#### Section 3: KY 1931 from Pikes Peak Blvd to I-264



**Spot Improvement I:**  
Realign Del Mel Ave to connect with Stephan Ln and add northbound left turn lane on KY 1931 at Stephan Ln

**Spot Improvement J:**  
Add dual left turn lanes on Hazelwood Ave and dual receiving lanes on KY 1931. Extend northbound left turn lane on KY 1931.

**Spot Improvement L:**  
Vertical curve realignment on KY 1931 to improve stopping sight distance near Esckridge Ln. Feasibility and right-of-way impacts to be studied further in the next phase of the project.

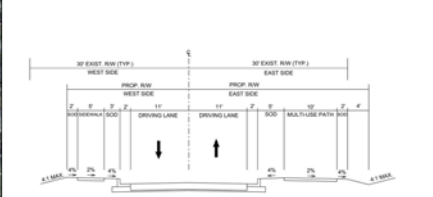
**Spot Improvement H:**  
Add center turn lane on KY 1931 between Iroquois Pkwy and Alice Kay Blvd

**Spot Improvement K:**  
Vertical curve realignment on KY 1931 to improve stopping sight distance near Friden Way. Feasibility and right-of-way impacts to be studied further in the next phase of the project.

Improve existing 2 Lanes with Curb & Gutter, Sidewalk and Multi-Use Path

Repave Existing KY 1931 and add a Sidewalk and Multi-Use Path

Connect Multi-Use Path with Pedestrian Bridge



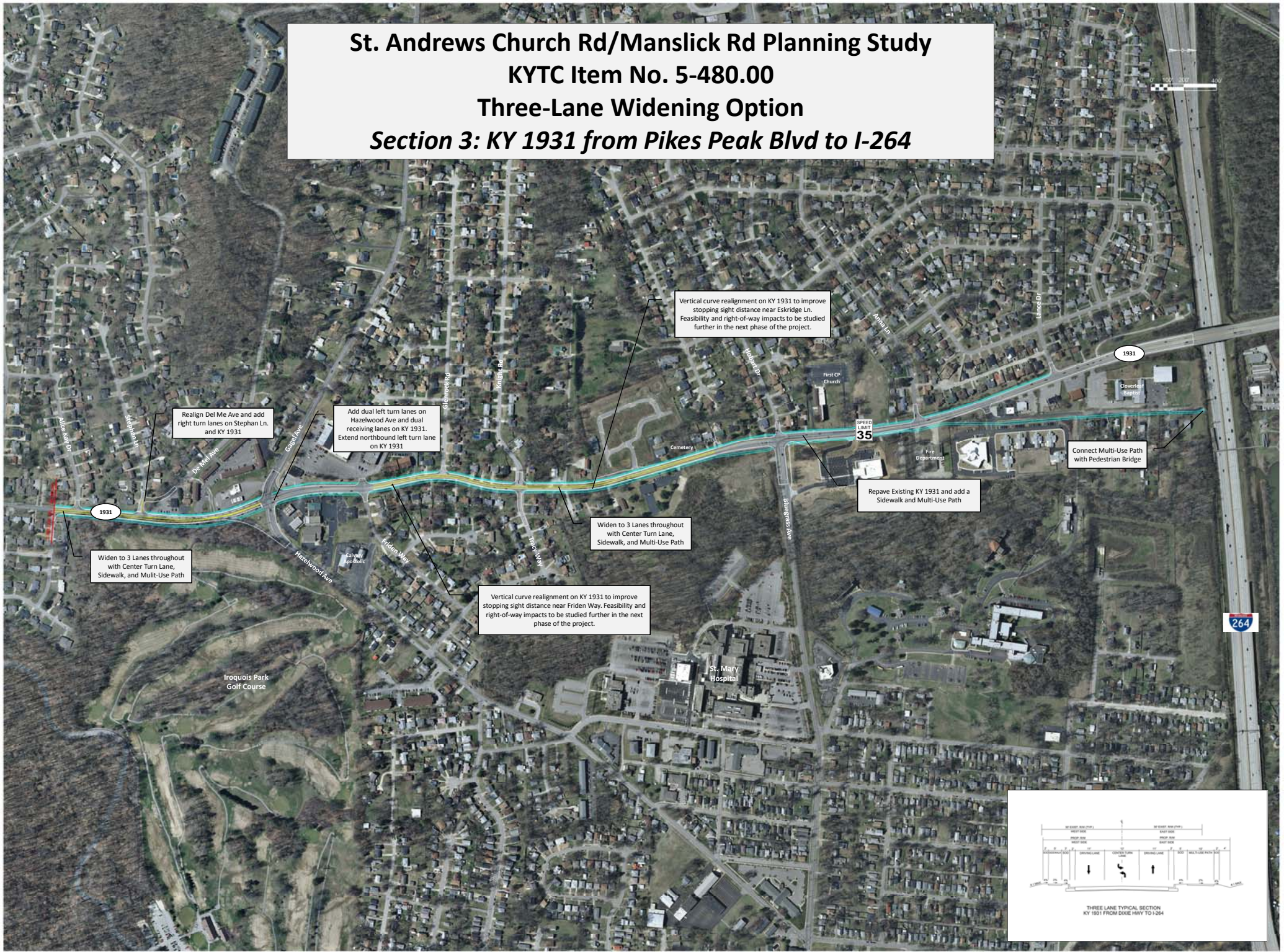
TWO LANE TYPICAL SECTION  
KY 1931 FROM DIXIE HWY TO I-264

# St. Andrews Church Rd/Manslick Rd Planning Study

## KYTC Item No. 5-480.00

### Three-Lane Widening Option

#### Section 3: KY 1931 from Pikes Peak Blvd to I-264



Vertical curve realignment on KY 1931 to improve stopping sight distance near Eskridge Ln. Feasibility and right-of-way impacts to be studied further in the next phase of the project.

Realign Del Me Ave and add right turn lanes on Stephan Ln. and KY 1931

Add dual left turn lanes on Hazelwood Ave and dual receiving lanes on KY 1931. Extend northbound left turn lane on KY 1931

Widen to 3 Lanes throughout with Center Turn Lane, Sidewalk, and Multi-Use Path

Vertical curve realignment on KY 1931 to improve stopping sight distance near Friden Way. Feasibility and right-of-way impacts to be studied further in the next phase of the project.

Widen to 3 Lanes throughout with Center Turn Lane, Sidewalk, and Multi-Use Path

Repave Existing KY 1931 and add a Sidewalk and Multi-Use Path

Connect Multi-Use Path with Pedestrian Bridge

