

KY 69 Scoping Study

From Ohio County Line to US 60

Hancock County

KYTC Item No. 2-8708.00

Public Meeting

Tuesday, October 20, 2015

South Hancock Elementary School





Discussion Items



- 1 Project Team**
- 2 Study Background**
- 3 Improvement Concepts**
- 4 Schedule & Next Steps**

<http://Yourturn.transportation.ky.gov/>





Project Website



Dear LRSTP Review Participant, **1 2 3**

Thank you for your review and comments on Kentucky's 2014 Long-Range Statewide Transportation Plan (LRSTP). We appreciate your time and interest in providing input to the direction for Kentucky's Transportation System. You and over 900 fellow Kentuckians from nearly every county in the state participated in this review and comment period

CLICK HERE TO VIEW THE FOLLOWING STUDIES AND REPORTS:

- 2014 LRSTP
- 2014 Public Participation Plan
- 2014 Public Involvement Notebook
- Other Planning Studies

<http://Yourturn.transportation.ky.gov/>





Why we are here



- To share information about the KY 69 Scoping Study.
- To discuss improvement concepts that are under consideration.
- **Most importantly, to listen to your comments and concerns and to obtain your input.**

We need your input!

The Project Team

- Kentucky Transportation Cabinet
 - District 2, Madisonville
 - Central Office Planning, Frankfort
- Green River Area Development District (GRADD)
- Consultant
 - Stantec Consulting Services

KY 69 Corridor – Hancock County

KYTC Item No. 2-8708.00

Project Phase	Cost	Funding Code	Fiscal Year
Planning	\$200,000	State Priority Project (SPP)	2014
Design	--	--	--
Right-of-Way	--	--	--
Utility Relocation	--	--	--
Construction	--	--	--

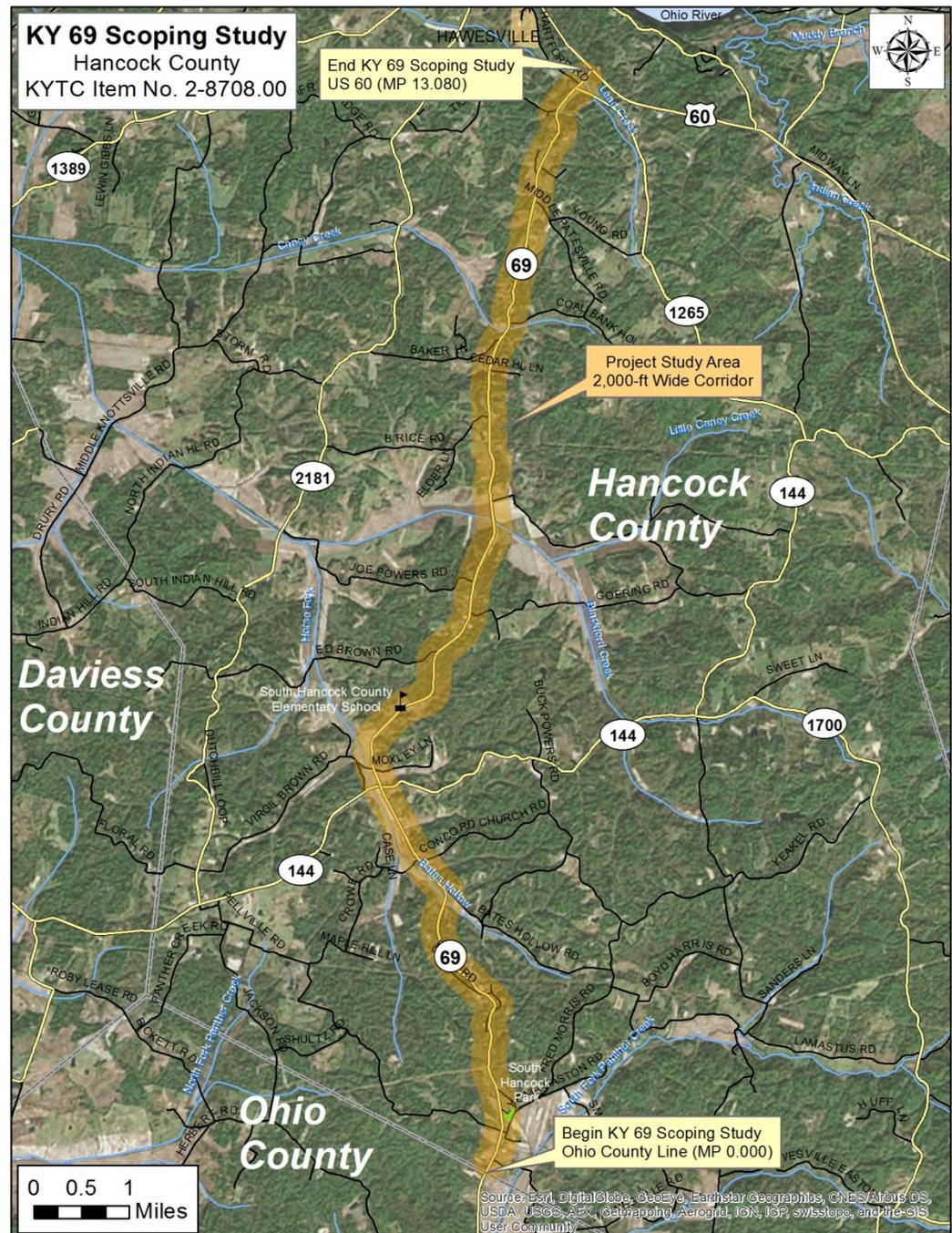
Source: Kentucky's 2014 Highway Plan

Study Area

- From Ohio County Line to US 60

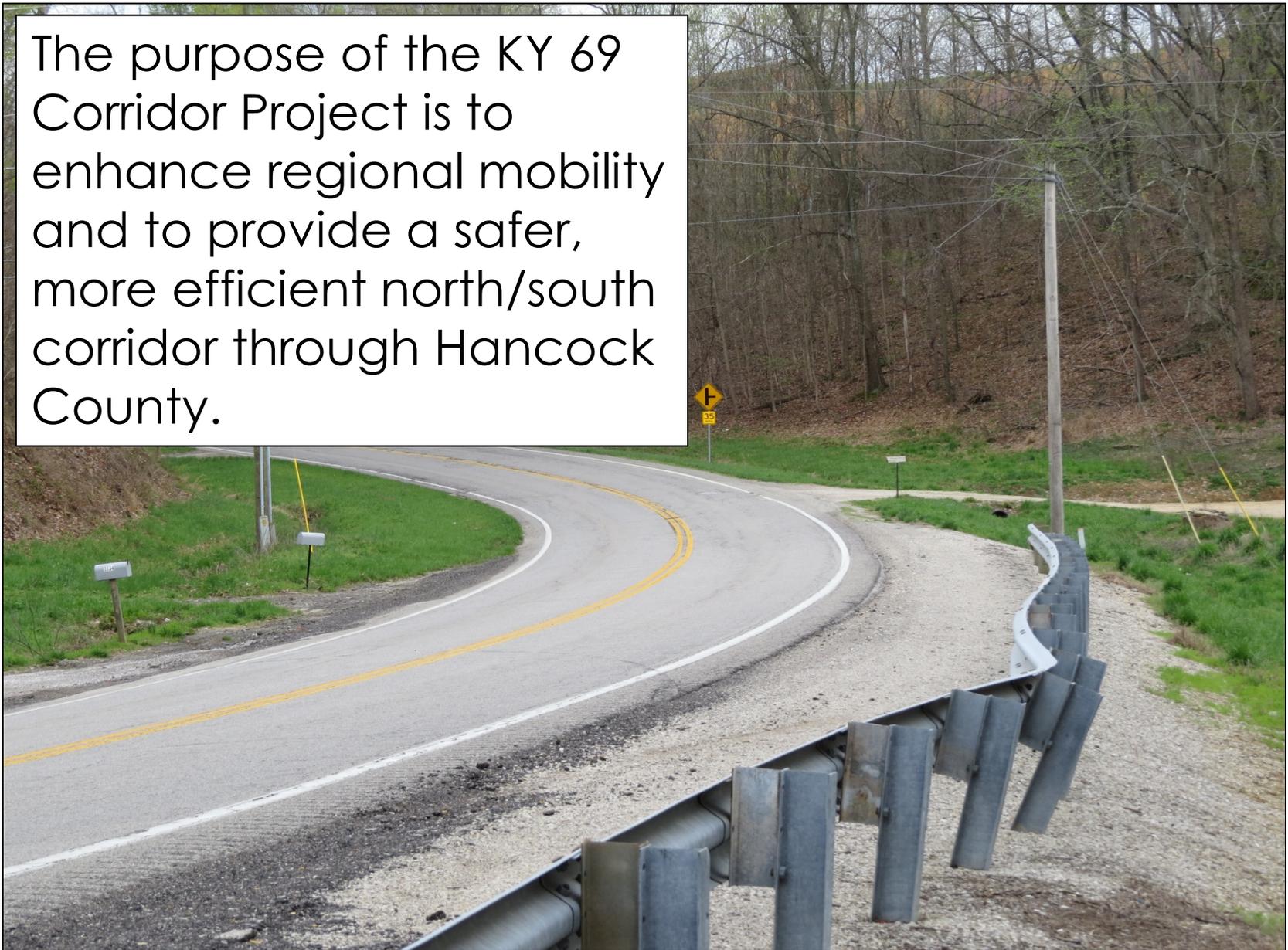
Existing Roadway:

- Two 10 foot Lanes
- 2 foot Paved Shoulders



Purpose and Need Statement

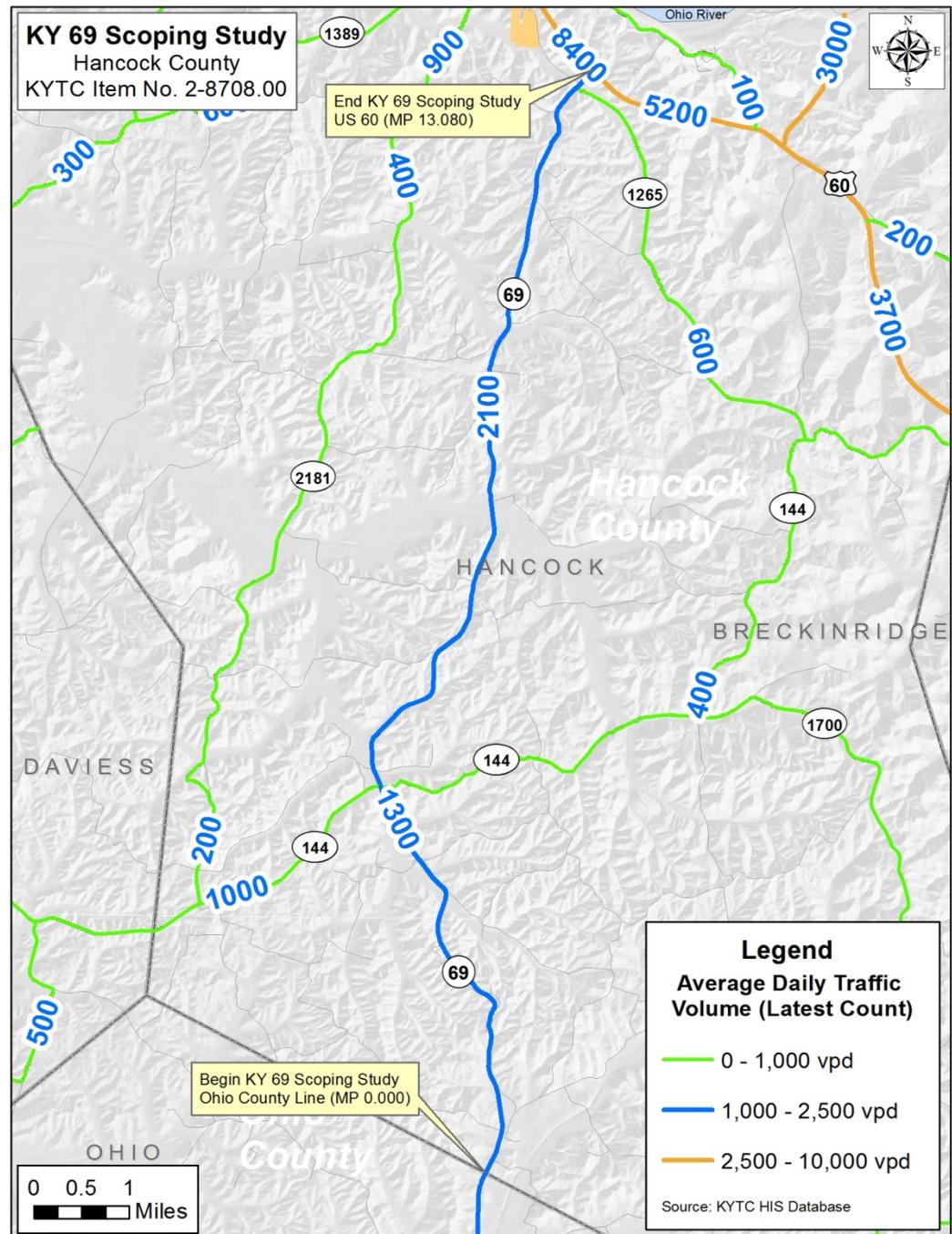
The purpose of the KY 69 Corridor Project is to enhance regional mobility and to provide a safer, more efficient north/south corridor through Hancock County.



Traffic Analysis

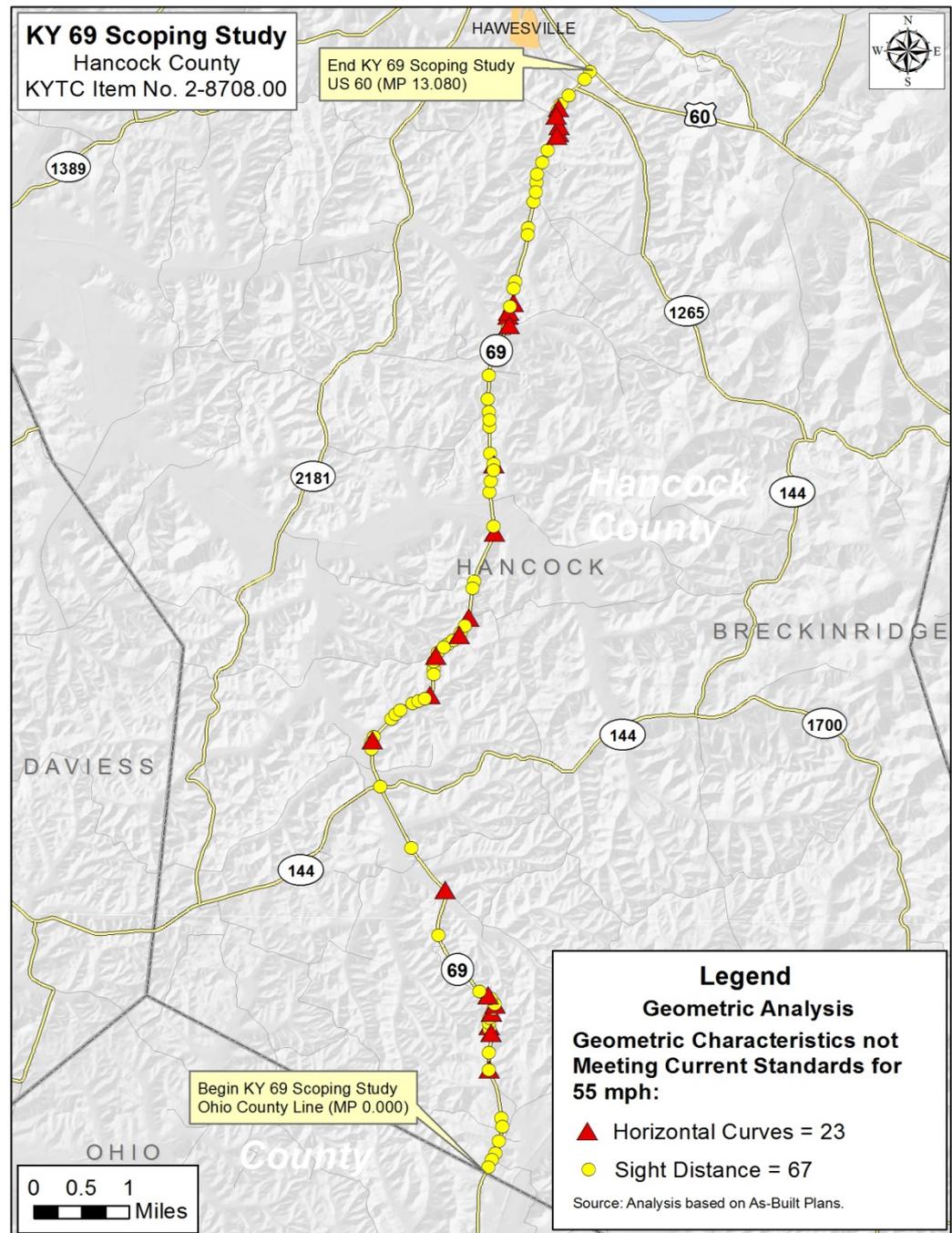
- **Average Daily Traffic (ADT) Volumes:**
Year 2015:
1,300 – 3,000 vehicles per day (vpd)
14 percent trucks

Year 2035:
1,400 – 3,300 vpd
17 percent trucks
- **Two lane road can accommodate existing and future traffic demand.**



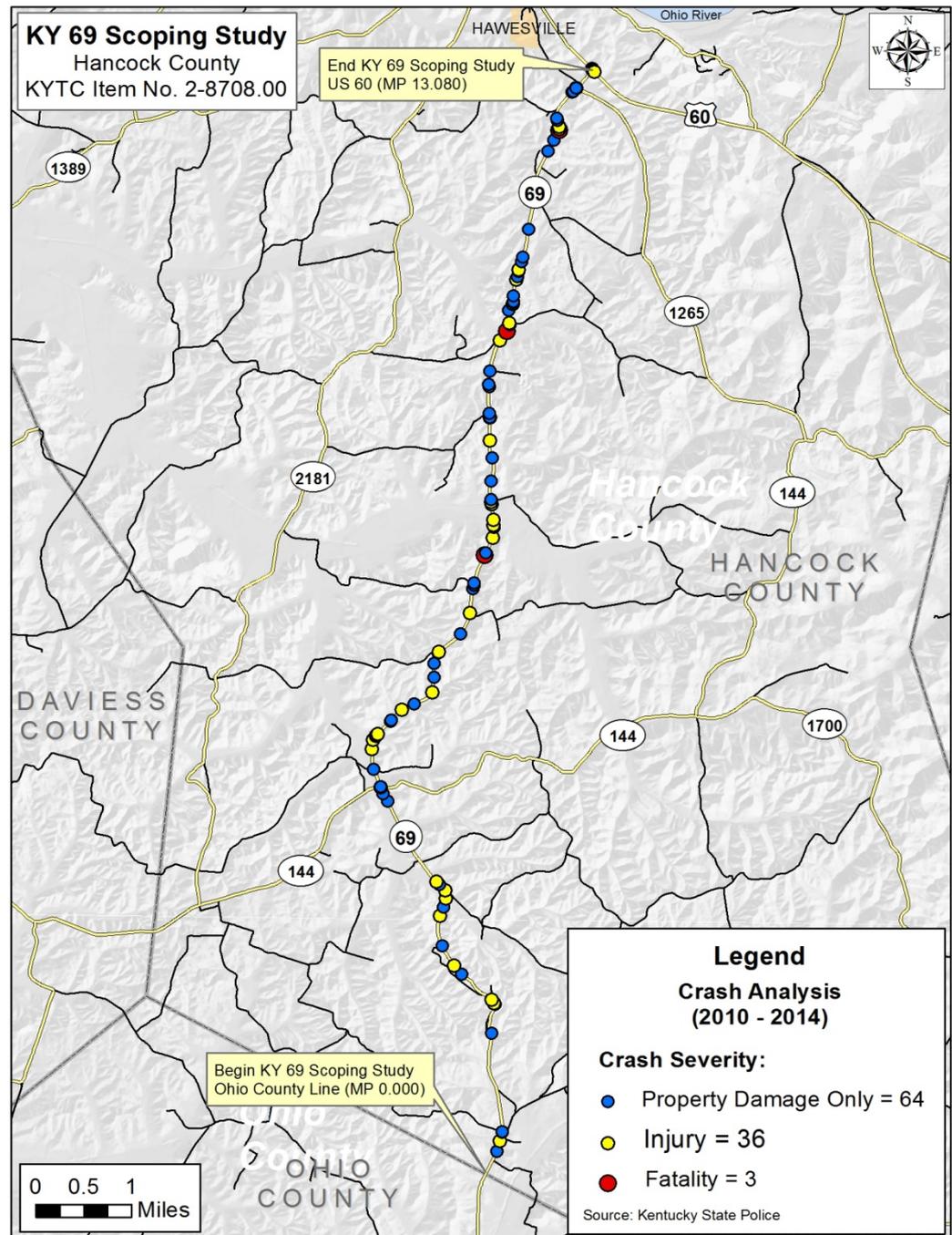
Roadway Analysis

- **63 horizontal curves**
 - 23 (37%) do not satisfy a 55 mph design speed
- **114 vertical curves**
 - 67 (57%) do not satisfy a 55 mph design speed
- **Very few passing opportunities**

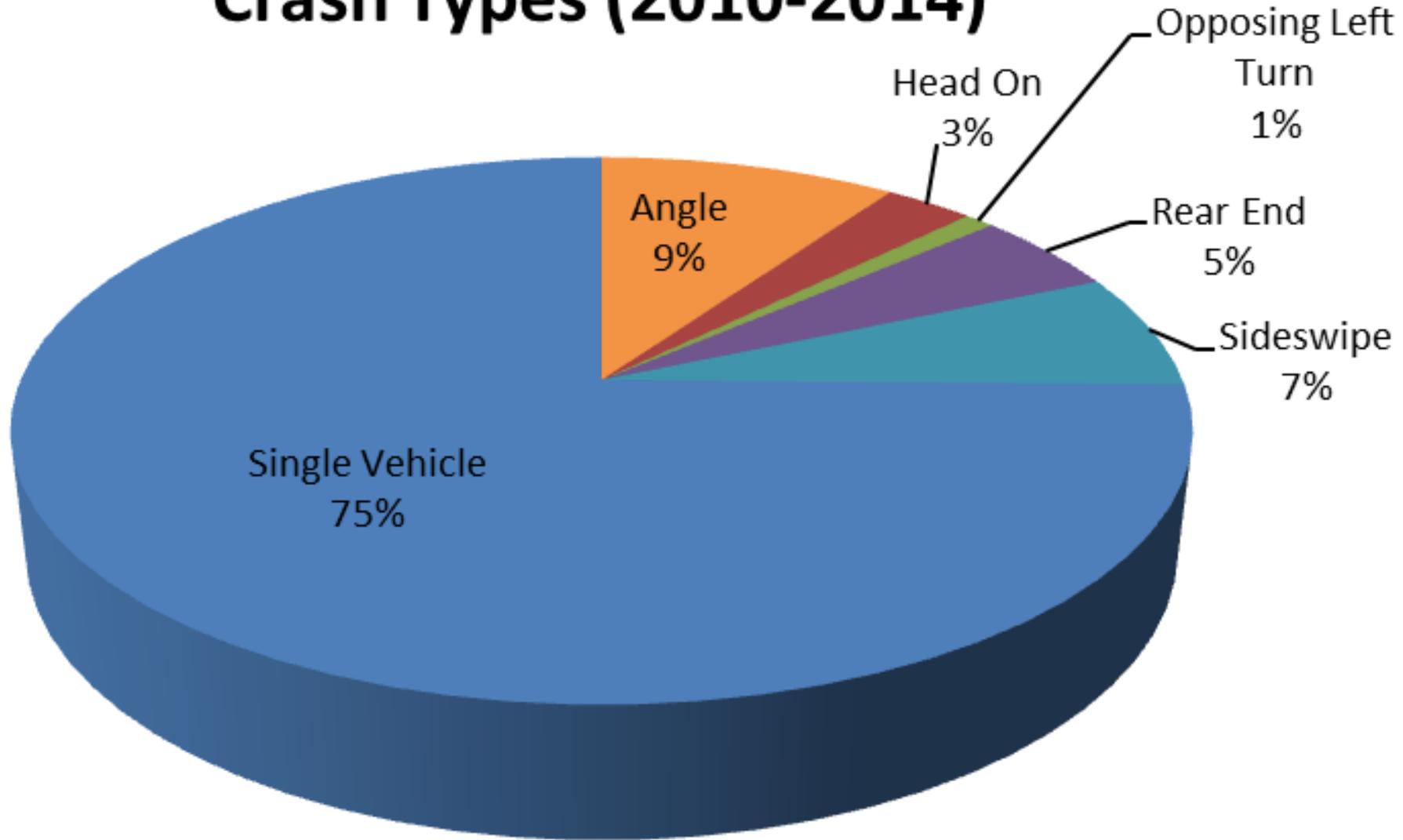


Crash Analysis (2010-2014)

- 103 reported crashes
- 3 (2.9%) fatalities
- 36 (35%) injury crashes
- 64 property damage only (PDO) crashes



Crash Types (2010-2014)



Improvement Concepts

- **No-Build**
- **Spot Improvements**
 - Lower Cost Safety Improvements
 - Focus on High Crash Spots and Spots with Inadequate Roadway Geometry
 - Use Local Input to help Identify Spots
- **Complete Reconstruction**
 - Widen driving lanes and shoulders and bring roadway geometrics to 55 mph design speed.

Existing Typical Section

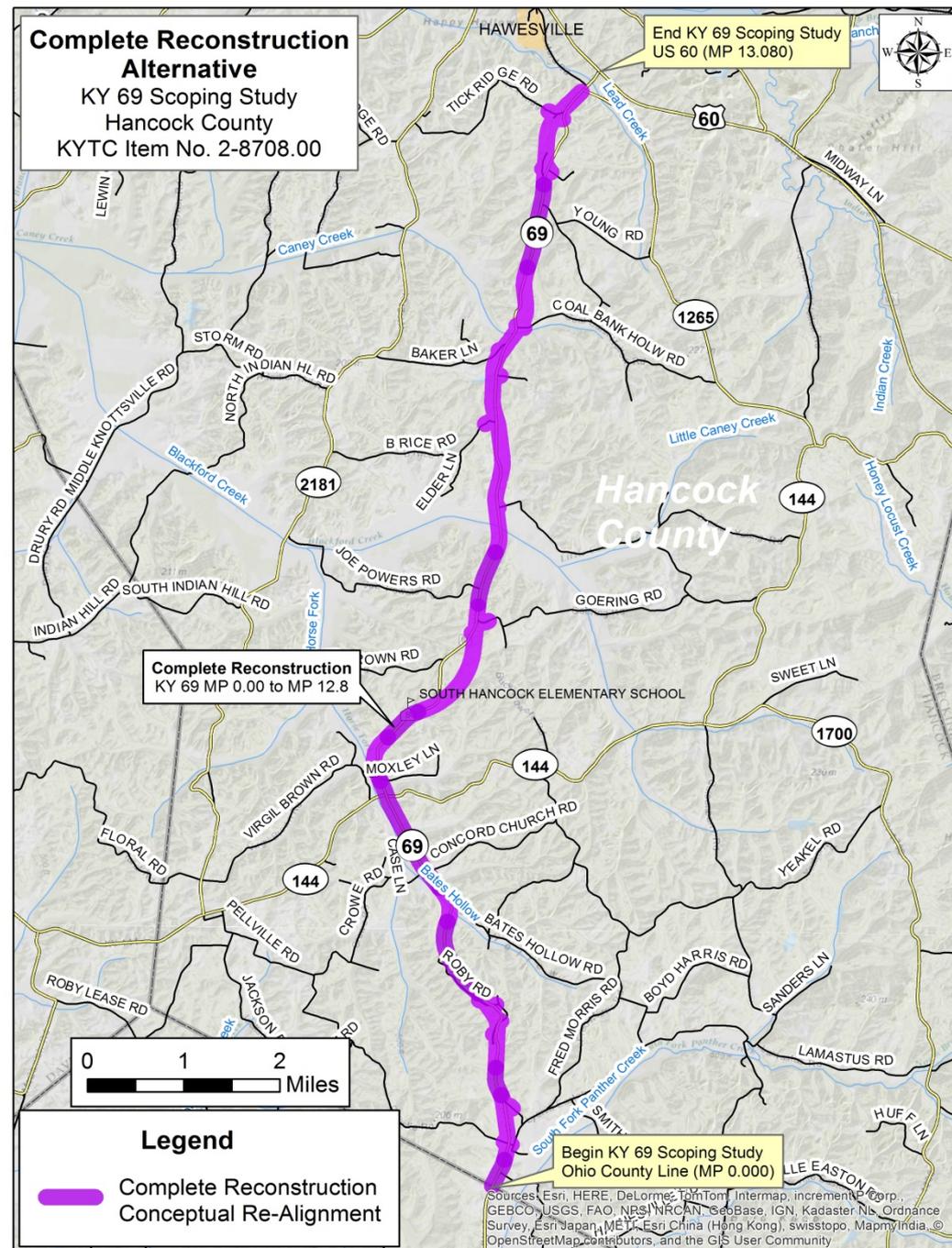


**Ohio County Line to KY 1265
Constructed 1930's**

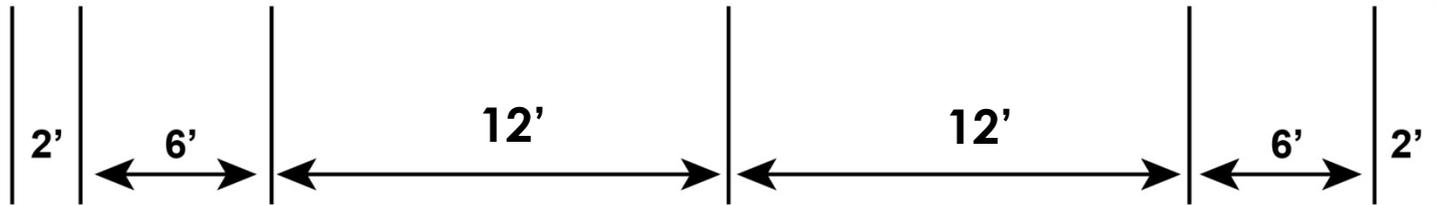
Complete Reconstruction Alternative

This concept widens KY 69 and improves the existing roadway alignment to 55 mph from the Ohio County Line to KY 1265 (Happy Hollow Road).

- Length (MP 0.0 – MP 12.8): 12.8 miles
- Total Cost: \$77.9 million
- Potential Relocations 14 Homes, 1 Business, and 8 Barns



Possible Typical Section Complete Reconstruction



We need your help!

- Help us determine priorities for Spot Improvements.

 = Top Priority

 = Second Priority



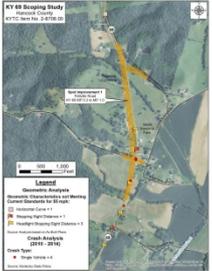
KY 69 Scoping Study Spot Improvement Concepts #1 - #4

Spot Improvement 1: Pellville Road

This concept improves the existing roadway geometry to 55 mph along KY 69 near Pellville Road.

- Length: 0.7 mile
- Crash History: 4 Crashes
1 Injury and 3 PDO
- Roadway Geometry:
3 Deficient VC's
- Total Cost: \$5.9 million
- Potential Relocations:
1 Business, 2 Homes,
4 Barns

↓ Prioritization Stickers ↓



Spot Improvement 2: Water Tower Loop Rd

This concept improves the existing roadway geometry to 55 mph along KY 69 near Water Tower Loop.

- Length: 0.9 miles
- Crash History: 4 Crashes
2 Injury and 2 PDO
- Roadway Geometry:
8 Deficient VC's
5 Deficient HC's
- Total Cost: \$7.7 million
- Potential Relocations:
1 Home

↓ Prioritization Stickers ↓

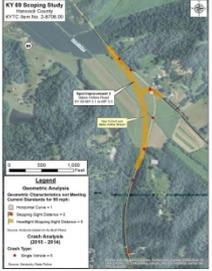


Spot Improvement 3: Bates Hollow Road

This concept improves the existing horizontal curve to 55 mph along KY 69 near Bates Hollow Road.

- Length: 0.4 mile
- Crash History: 5 Crashes
3 Injury and 2 PDO
- Roadway Geometry:
1 Deficient HC
- Total Cost: \$4.2 million
- Potential Relocations: 0

↓ Prioritization Stickers ↓



Spot Improvement 4: KY 144 Intersection

Convert the intersection at KY 69 and KY 144 to a four-way stop. Provide advance warning signage along KY 69 and access management at the gas station.

- Crash History: 3 Crashes
1 Injury and 4 PDO
- Roadway Geometry:
1 Deficient VC
- Total Cost: \$440,000
- Potential Relocations: 0

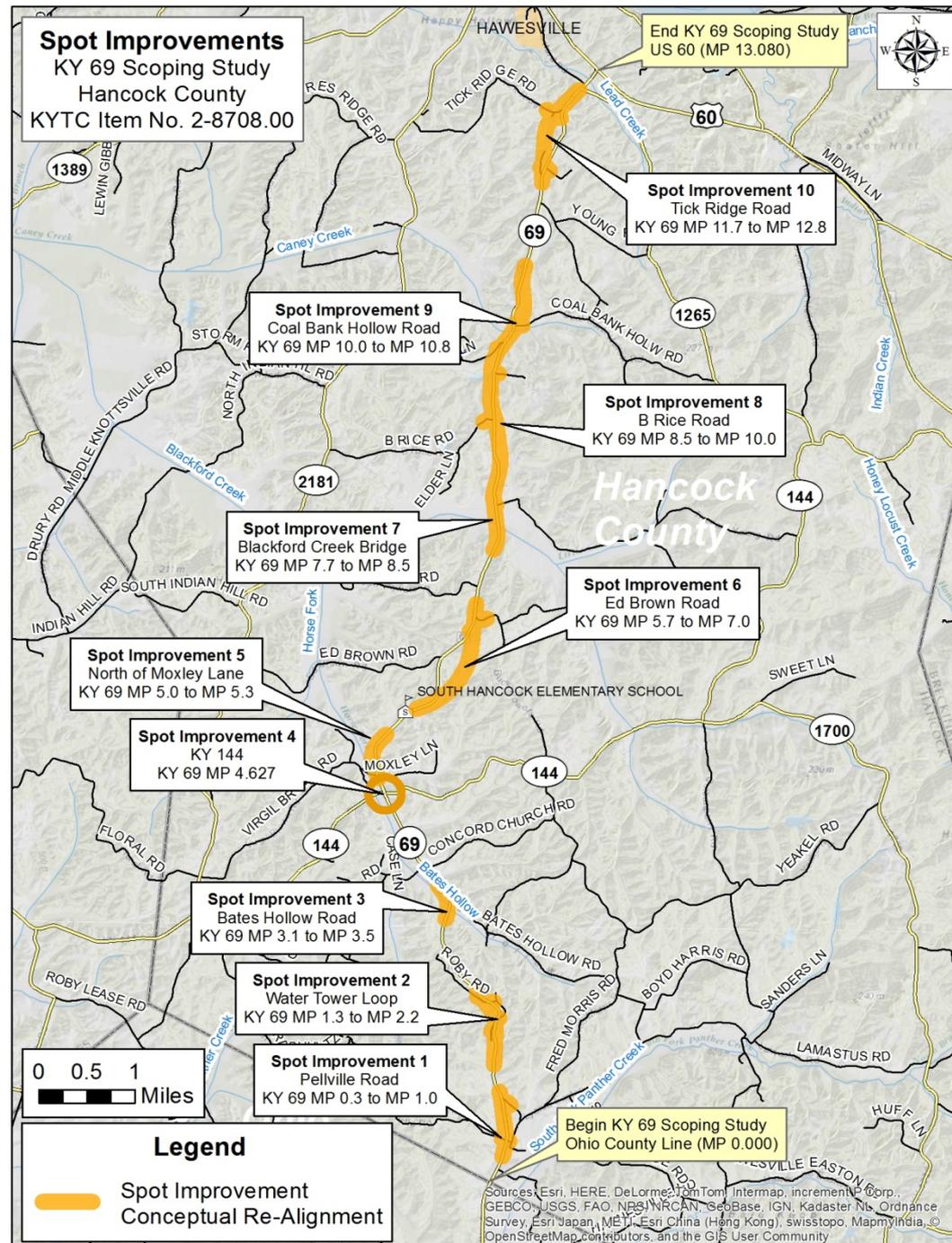
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Don't Forget To Complete Your Survey! 

Spot Improvements

- Spot Improvements 1 – 3:
 - Realign KY 69
- Spot Improvement 4:
 - KY 69/KY 144 Intersection Improvement
- Spot Improvement 5:
 - Realign KY 69
- Spot Improvement 6:
 - Realign KY 69 and add Passing Lanes
- Spot Improvement 7:
 - Replace KY 69 Bridge over Blackford Creek
- Spot Improvements 8 – 10:
 - Realign KY 69





KY 69 Scoping Study

Spot Improvement Concepts #5 - #8

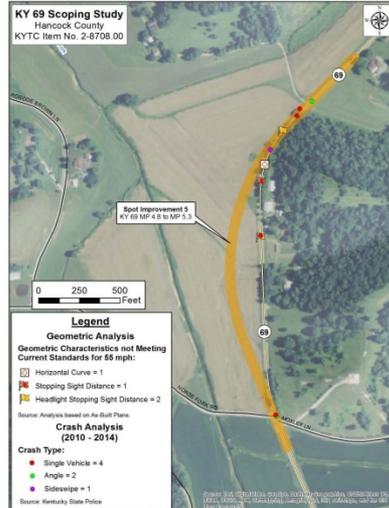


Spot Improvement 5: Moxley Lane

This concept improves the existing horizontal curve to 55 mph along KY 69 North of Moxley Lane.

- Length: 0.5 mile
- Crash History: 7 Crashes
5 injury and 2 PDO
- Roadway Geometry:
3 Deficient VC's
1 Deficient HC
- Total Cost: \$3.1 million
- Potential Relocations: 0

↓ Prioritization Stickers ↓

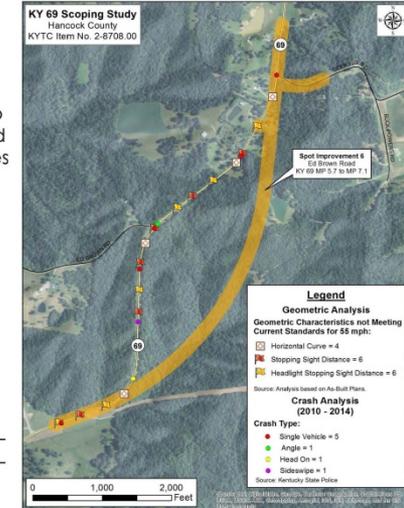


Spot Improvement 6: Ed Brown Road

This concept improves the existing roadway geometry to 55 mph and adds northbound and southbound passing lanes along KY 69 near Ed Brown Road.

- Length: 1.4 mile
- Crash History: 8 Crashes
3 injury and 5 PDO
- Roadway Geometry:
12 Deficient VC's
4 Deficient HC
- Total Cost: \$9.5 million
- Potential Relocations:
2 Homes

↓ Prioritization Stickers ↓

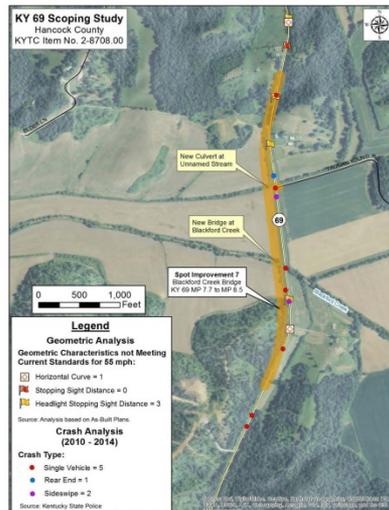


Spot Improvement 7: Blackford Creek

This concept replaces the functionally obsolete bridge at Blackford Creek and the culvert adjacent to Truman Young Road.

- Length: 0.8 mile
- Crash History: 8 Crashes
5 injury and 3 PDO
- Blackford Creek Bridge:
SR = 59.7, FO
- Roadway Geometry:
3 Deficient VC's
1 Deficient HC
- Total Cost: \$5.6 million
- Potential Relocations: 0

↓ Prioritization Stickers ↓

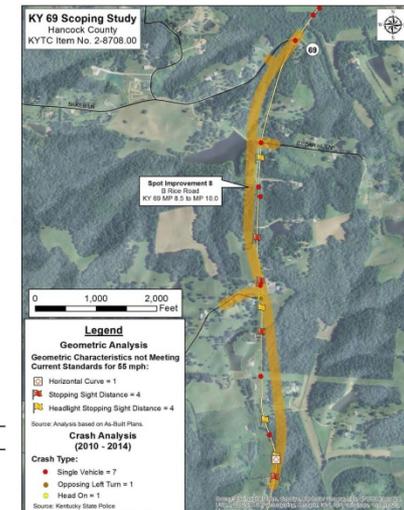


Spot Improvement 8: B Rice Road

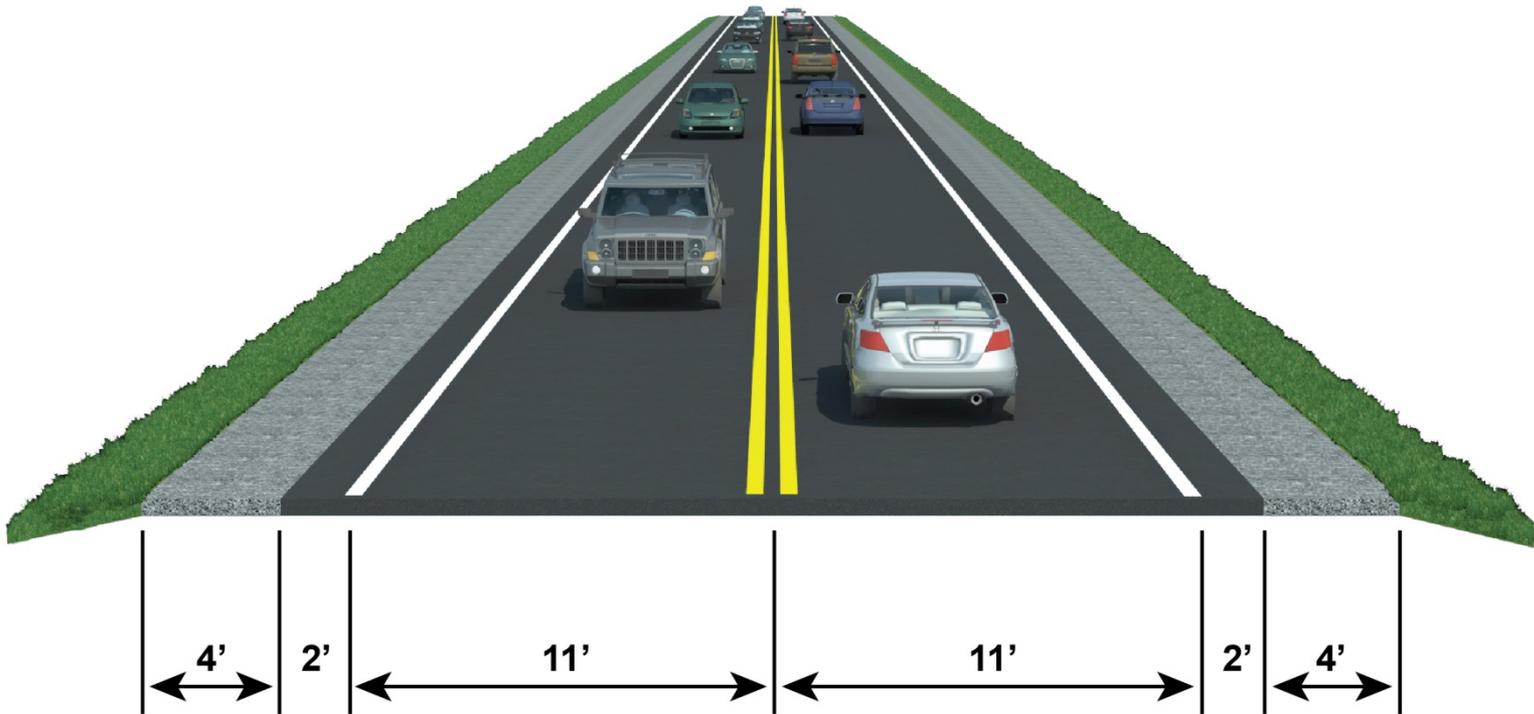
This concept improves the existing roadway geometry to 55 mph along KY 69 near B Rice Road.

- Length: 1.5 mile
- Crash History: 9 Crashes
3 injury, 6 PDO
- Roadway Geometry:
8 Deficient VC's
1 Deficient HC's
- Total Cost: \$9.0 million
- Potential Relocations:
3 Homes

↓ Prioritization Stickers ↓



Possible Typical Section Spot Improvements



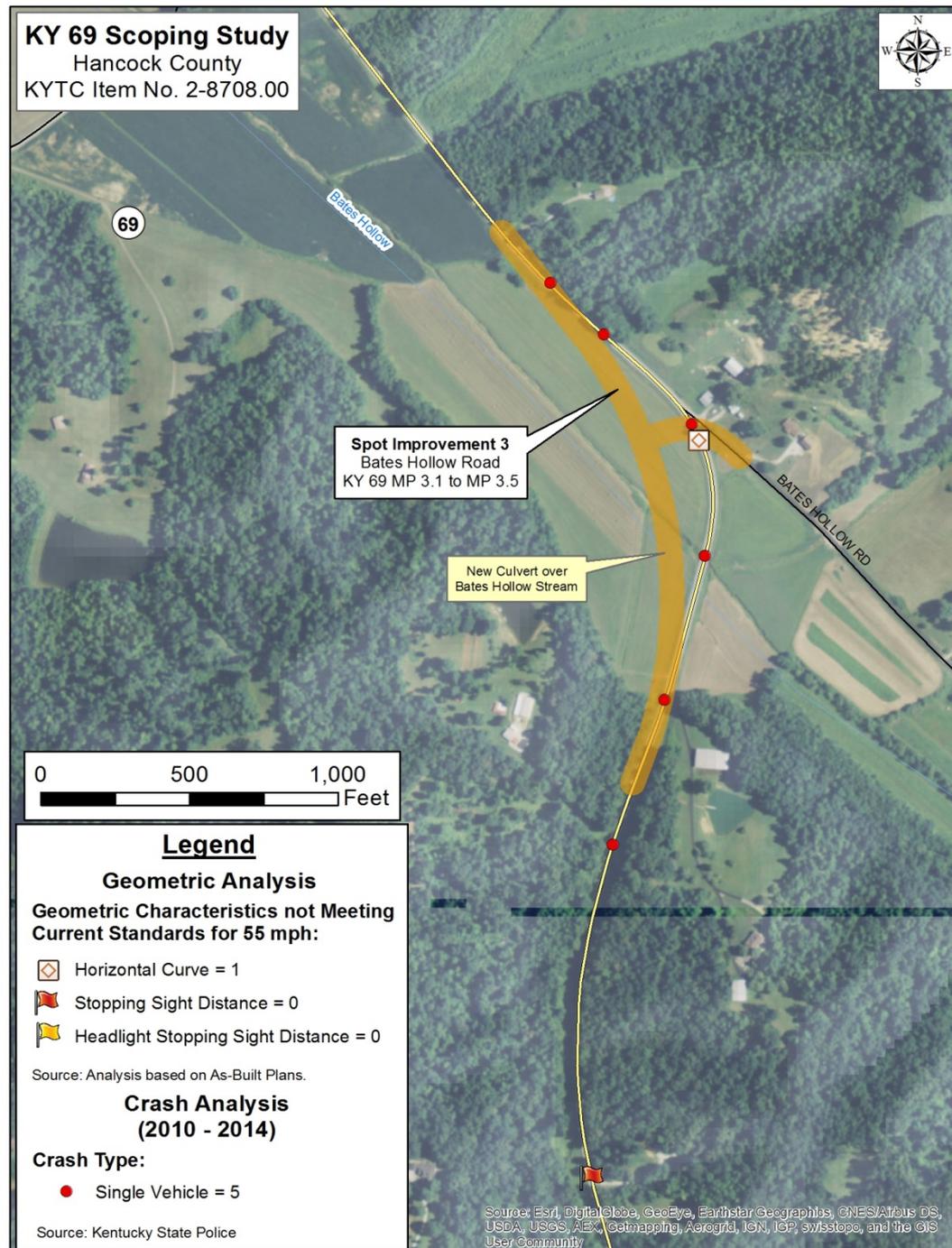
Spot Improvement 3: KY 69 near Bates Hollow Road



Spot Improvement 3: Bates Hollow Road

This concept improves the existing horizontal curve to 55 mph along KY 69 near Bates Hollow Road.

- Length (MP 3.1 – MP 3.5):
0.4 miles
- Crash History:
CRF = 1.47
3 injury and 2 PDO
- Roadway Geometry:
1 Deficient horizontal curve
- Total Cost:
\$4.15 million
- Potential Relocations: 0



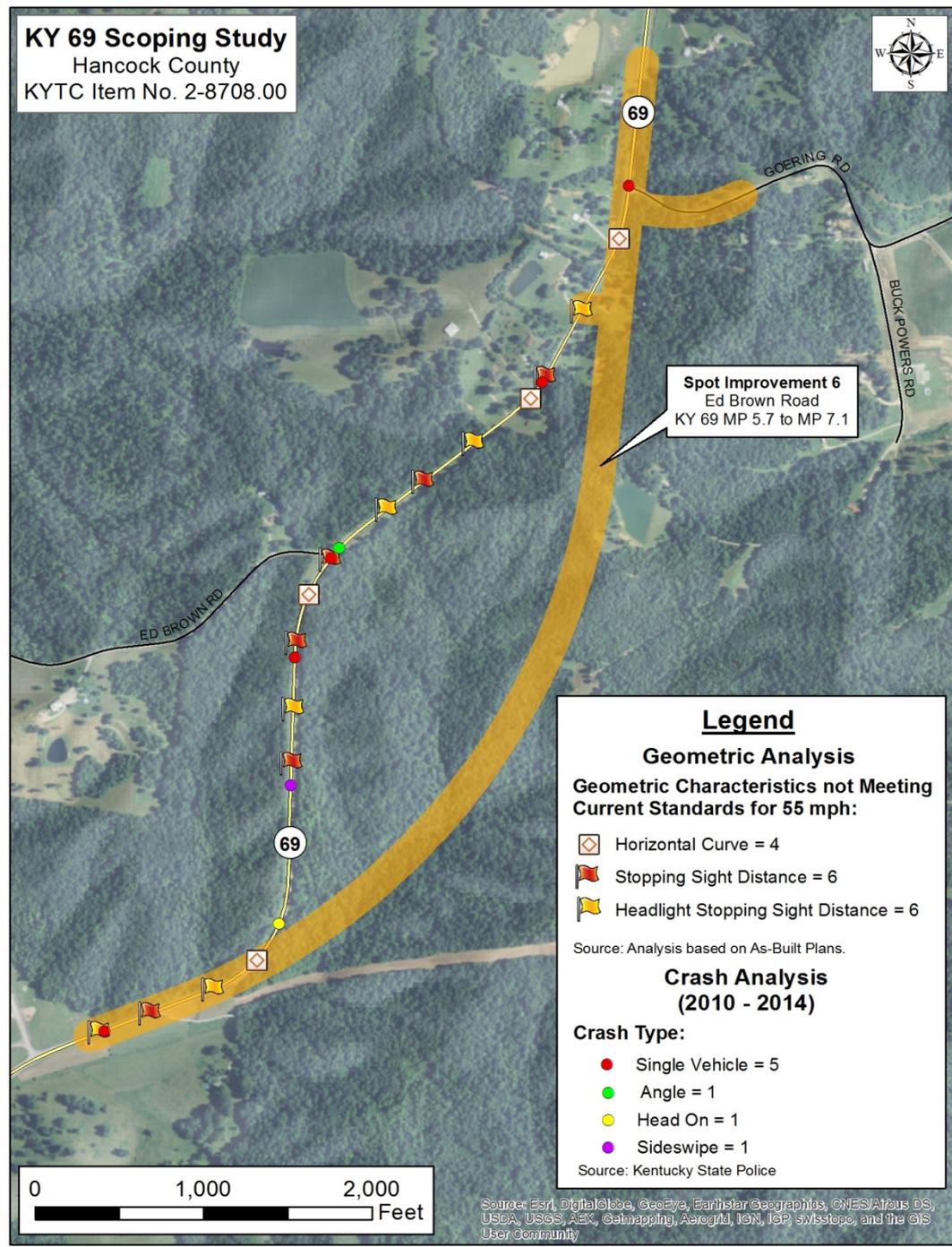
Spot Improvement 6: KY 69 near Ed Brown Road



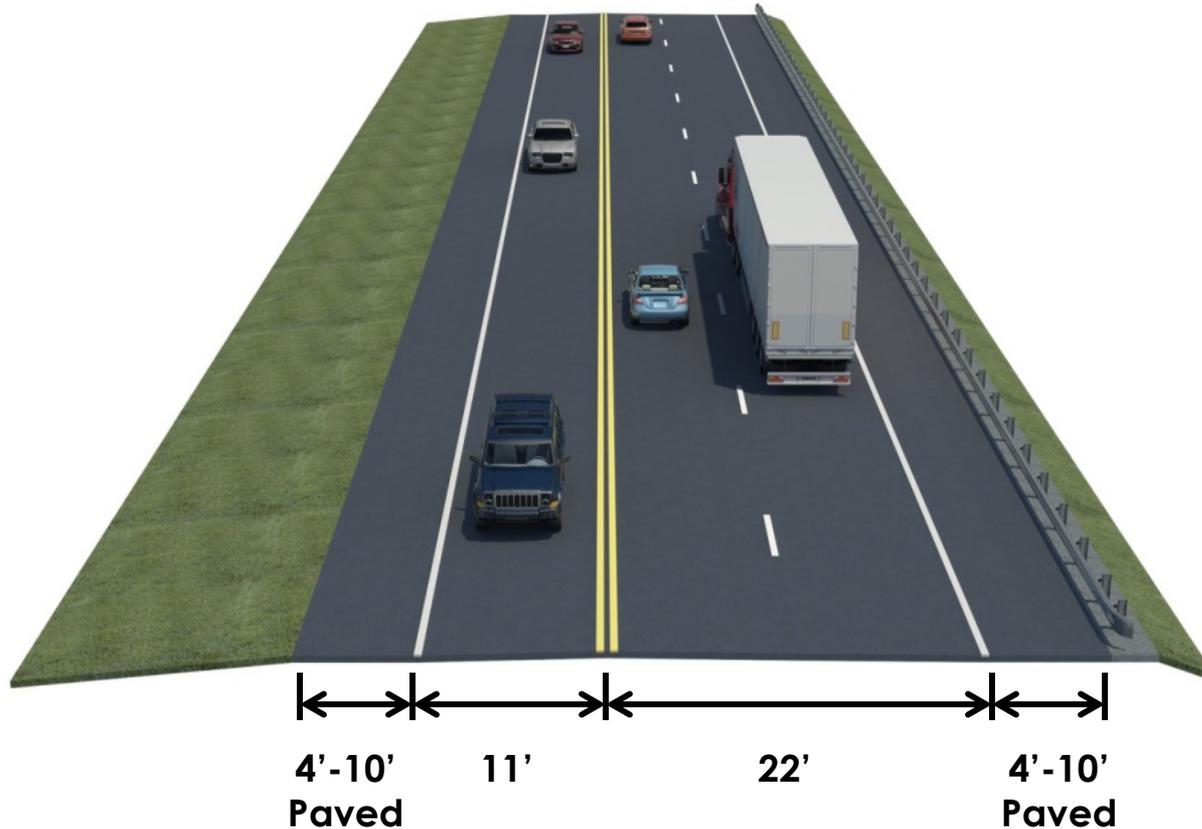
Spot Improvement 6: Ed Brown Road

This concept improves the existing roadway geometry to 55 mph and adds passing lanes along KY 69 near Ed Brown Road.

- Length (MP 5.7 – MP 7.1):
1.4 miles
- Crash History:
CRF = 1.15
3 injury and 5 PDO
- Roadway Geometry:
12 Deficient Vertical Curves
4 Deficient Horizontal Curves
- Total Cost:
\$9.45 million
- Potential Relocations:
2 Homes



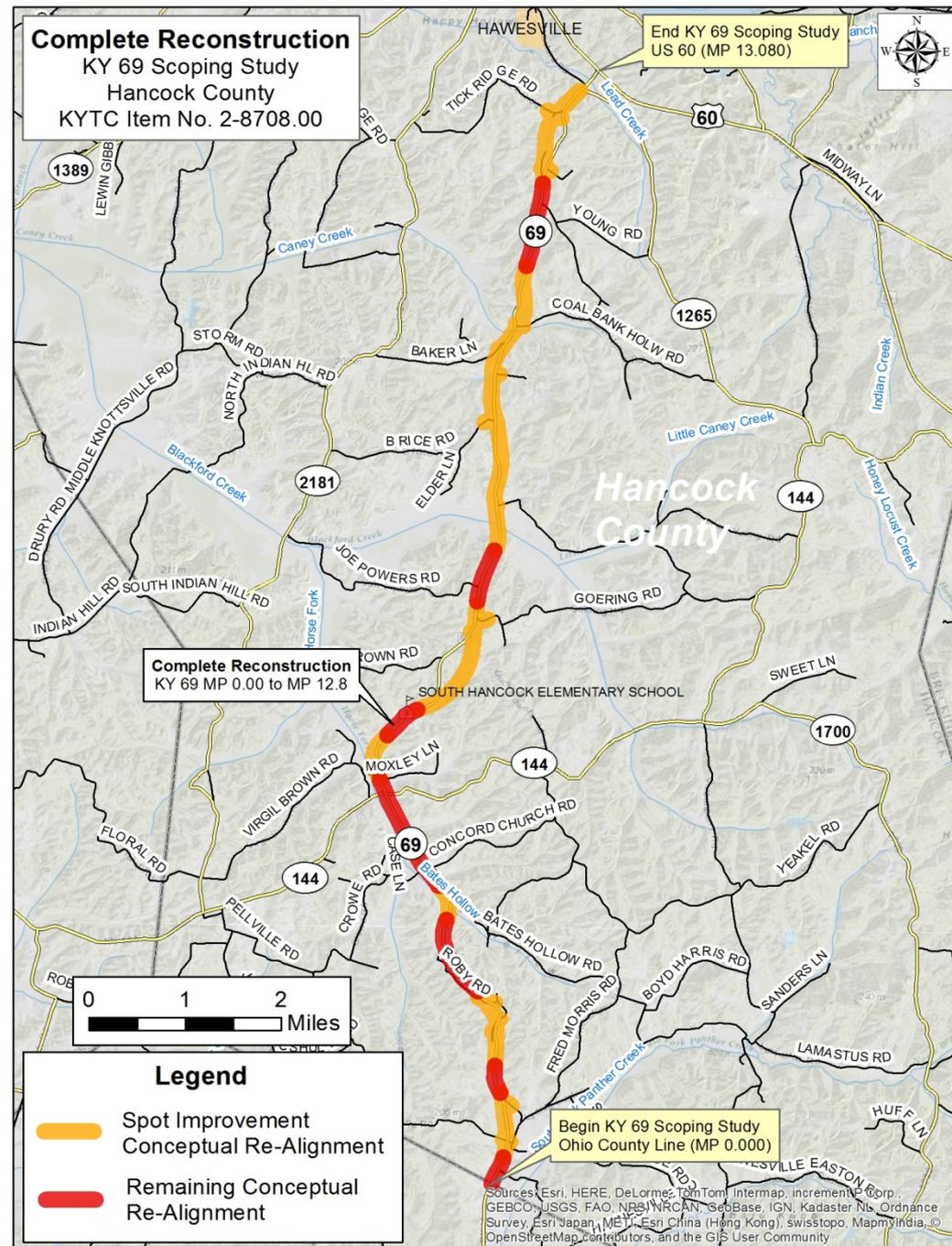
Optional Typical Section Passing Lane



*Two lanes with a passing lane
and paved shoulders*

Complete Reconstruction

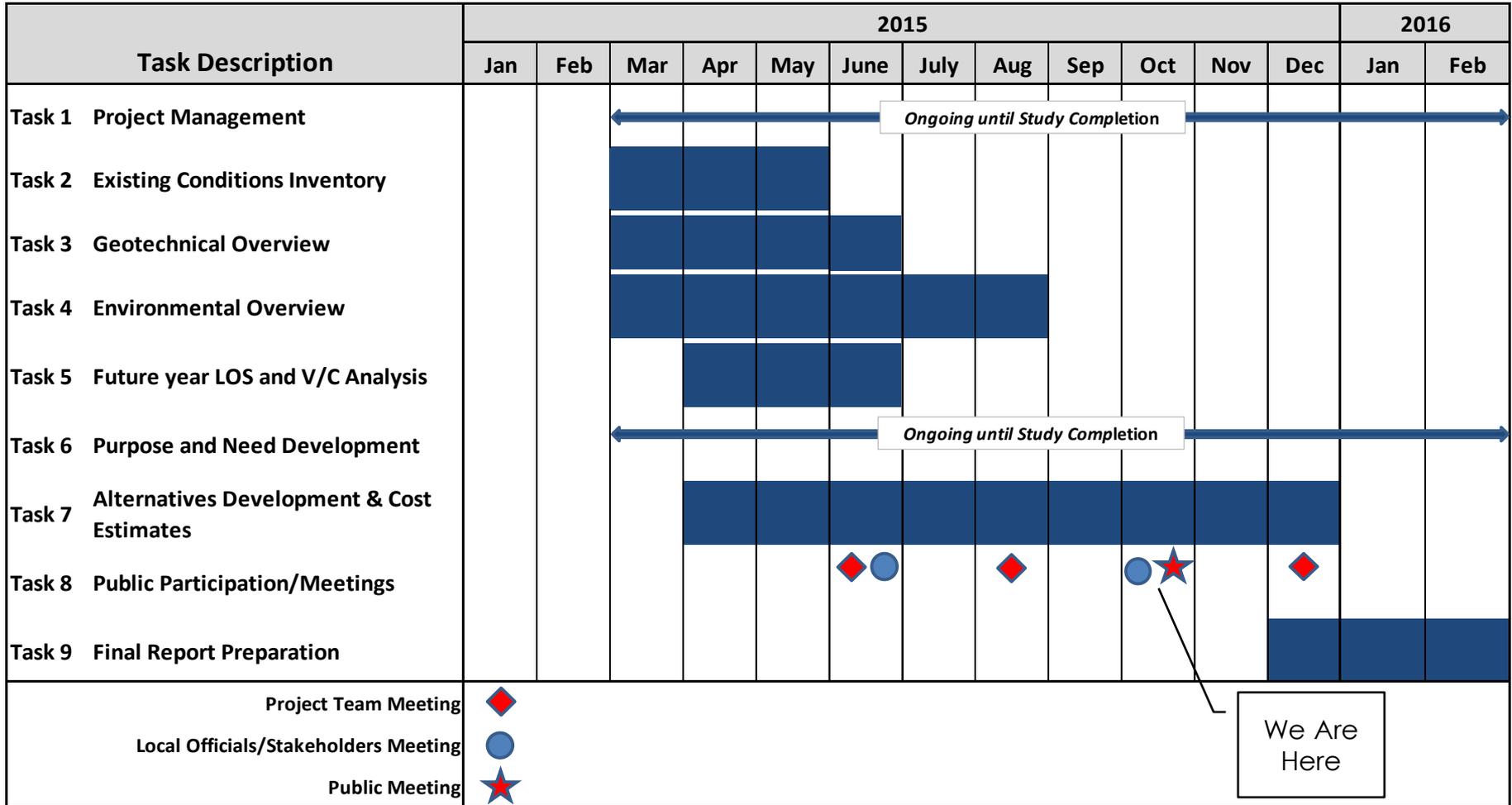
A corridor wide improvement can be obtained by connecting the Spot Improvements.



Cost Estimates

KY 69 Scoping Study						
Cost Estimates						
Improvement Concept	Project Length (miles)	2015 Cost Estimates (millions)				
		Design	Right of Way	Utility	Construction	Total
No Build	13.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
Spot Improvement 1: Pellville Road	0.7	\$0.60	\$1.00	\$0.35	\$3.90	\$5.9
Spot Improvement 2: Water Tower Loop Road	0.9	\$0.80	\$1.00	\$0.35	\$5.50	\$7.7
Spot Improvement 3: Bates Hollow Road	0.4	\$0.40	\$0.50	\$0.35	\$2.90	\$4.2
Spot Improvement 4: KY 144 Intersection	N/A	\$0.01	\$0.05	\$0.35	\$0.03	\$0.4
Spot Improvement 5: Moxley Lane	0.5	\$0.40	\$0.50	\$0.35	\$1.80	\$3.1
Spot Improvement 6: Ed Brown Road	1.4	\$1.00	\$1.50	\$0.35	\$6.60	\$9.5
Spot Improvement 7: Blackford Creek	0.8	\$0.60	\$0.50	\$0.35	\$4.10	\$5.6
Spot Improvement 8: B Rice Road	1.5	\$0.90	\$1.50	\$0.35	\$6.20	\$9.0
Spot Improvement 9: Coal Bank Hollow Road	0.8	\$0.60	\$1.00	\$0.35	\$4.20	\$6.2
Spot Improvement 10: Tick Ridge Road	1.1	\$0.70	\$2.00	\$0.35	\$4.80	\$7.9
Complete Reconstruction	12.8	\$5.30	\$15.00	\$5.00	\$52.60	\$77.9

4 Schedule





KY 69 Scoping Study



Thank you for
attending!

<http://Yourturn.transportation.ky.gov/>



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