

# KY 331 Widening US 60 to Rinaldo Rd. MP 0.436 to 2.62

# Owensboro Riverport Authority **BUILD** Grant Submittal


## July 18, 2018

**BUILD Grants**  
Better Utilizing Investments to Leverage Development  
Transportation Discretionary Grants Program

**OWENSBORO RIVERPORT KY331  
DAVISS COUNTY, KY**

**BUILD Grants 2018**

**BUILD Grants**

**Owensboro Riverport**   
www.aei.cc

# Owensboro Riverport Authority **FASTLANE** Grant Submittal December, 2016

## **FASTLANE** GRANT APPLICATION

INDUSTRIAL DRIVE  
AND RINALDO ROAD  
**DAVISS COUNTY, KY**

NATIONALLY SIGNIFICANT  
FREIGHT AND HIGHWAY  
PROJECTS  
(FASTLANE GRANTS)  
FISCAL YEAR 2017





# Owensboro Riverport Authority **INFRA** Grant Submittal

## October, 2017



INDUSTRIAL DRIVE AND RINALDO ROAD  
DAVIESS COUNTY, KY



**RESUBMITTED**  
FASTLANE  
2017 GRANT APPLICATION

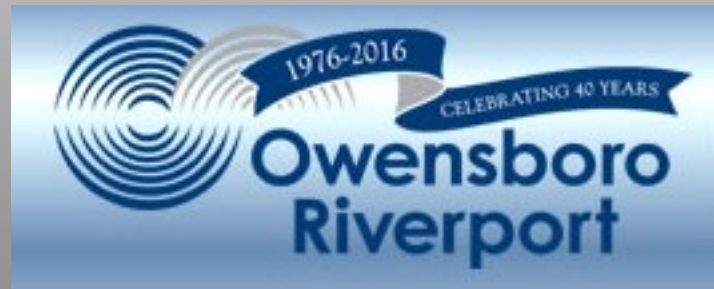
PROJECT PARTNERS



Project Sponsor:

**Owensboro Riverport Authority**

**Brian Wright, President/CEO**



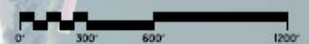
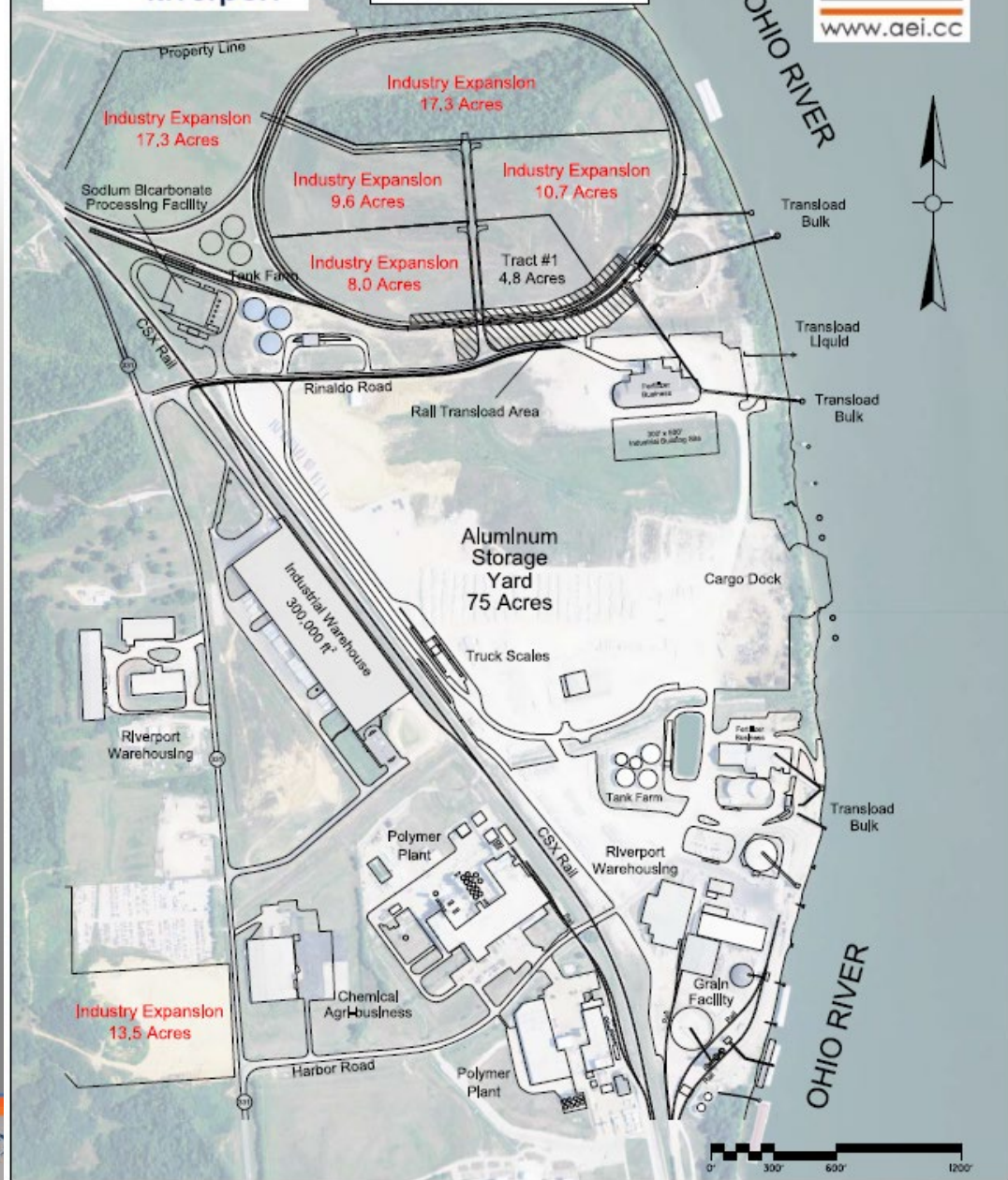


Industries Along Industrial Drive	Number of Employees	Operational Shifts?	Total Avg Trucks/Day
Owensboro Riverport Authority	43	2	182
Dohl & Groezinger	22	2	20
Helena Chemical Co.	16	2	20
Dart	160	3	45
Hendrick Screen Co.	48	2	10
Hausner Hard Chrome	100	2	13
Averitt	37	2	120
Pepsi	45	2	15
Trifecta	29	1	5
On Time Fab	15	1	15
Swedish Match	387	3	37
Canteen	75	2	38
Ken-Tron	No data available at the time of this report		
River Valley Behavioral Health	150	3	8
EPC	132	1	10
Milco National Constructors	7	1	3
Estes	No data available at the time of this report		
<b>Total =</b>	<b>1266</b>		<b>541</b>





# OWENSBORO RIVERPORT USAGE



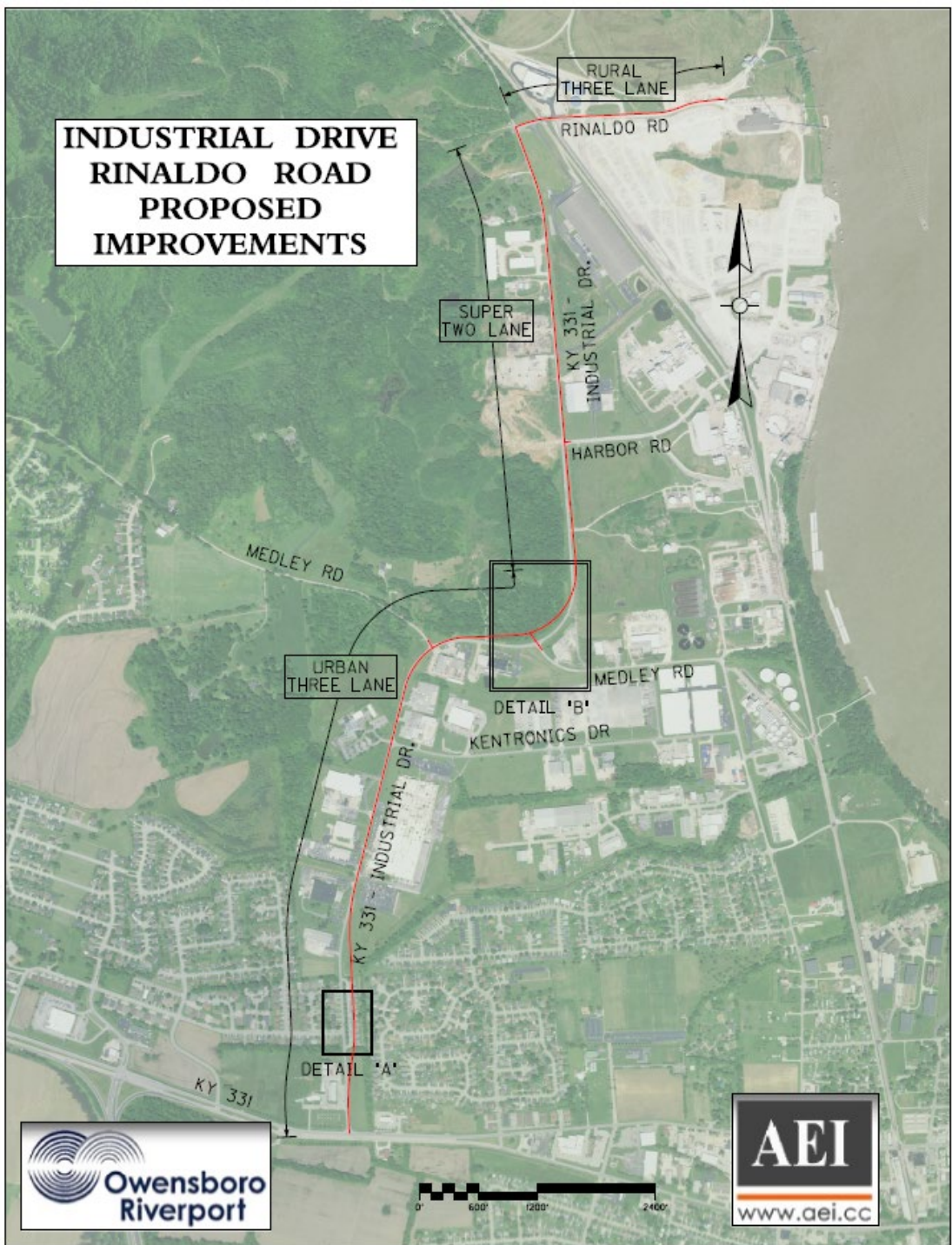


### LOCATION MAP





**INDUSTRIAL DRIVE  
RINALDO ROAD  
PROPOSED  
IMPROVEMENTS**









# KY 331 Existing Conditions

## KY 331 Existing Conditions

- 2 – Lane
- Rural Minor Arterial
- ADT        4,476 (FY 8,582)  
              1,568 (FY 2,865)

## KY 331 Existing Conditions

- 11' Lanes
- 2 – 35mph horizontal curves
- ADT        4,476 (FY 8,582)  
              1,568 (FY 2,865)
- No High Accident locations



# Intended Improvements to KY 331 and Rinaldo Road.....

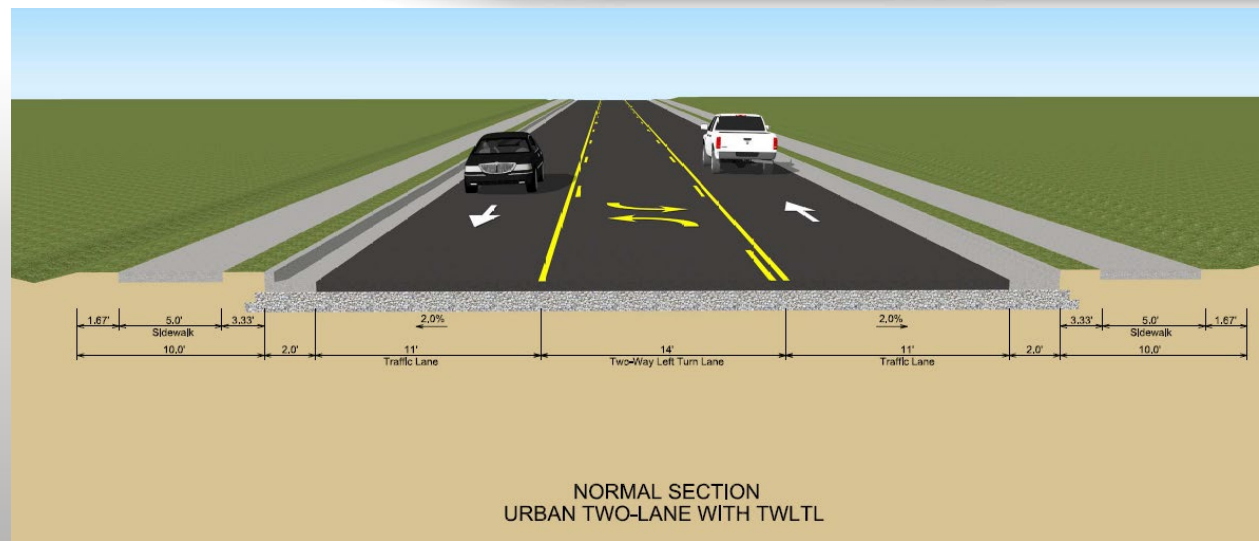
**BUILD Grants**  
Better Utilizing Investments to Leverage Development  
Transportation Discretionary Grants Program

OWENSBORO RIVERPORT KY331  
DAVIES COUNTY, KY

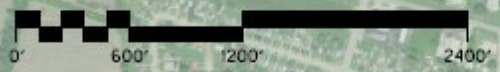
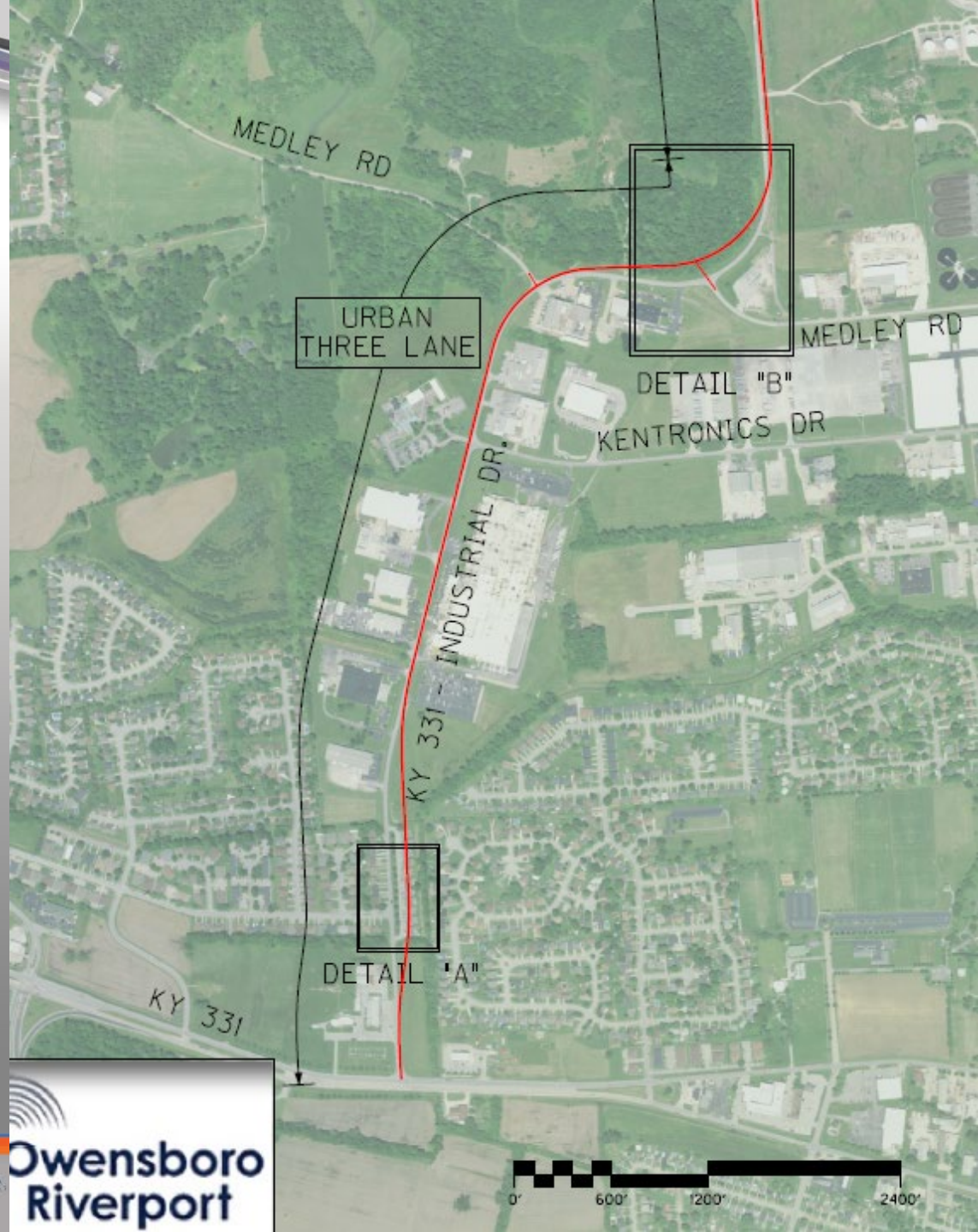
**BUILD Grants 2018**

**BUILD Grants**

Owensboro Riverport **AEI**  
www.aei.cc



1. Increase lane width to 12'
2. Add a Center Turn Lane for 1.3 miles







3. Reconstruct 2 curves from a 35mph design speed to a 45 mph design speed.



4. Address mixed-land use.





5. Eliminate 1 vertical curve  
non-compliant sight distance  
issue



















































6. Remove utility pole infractions in the clear zone.

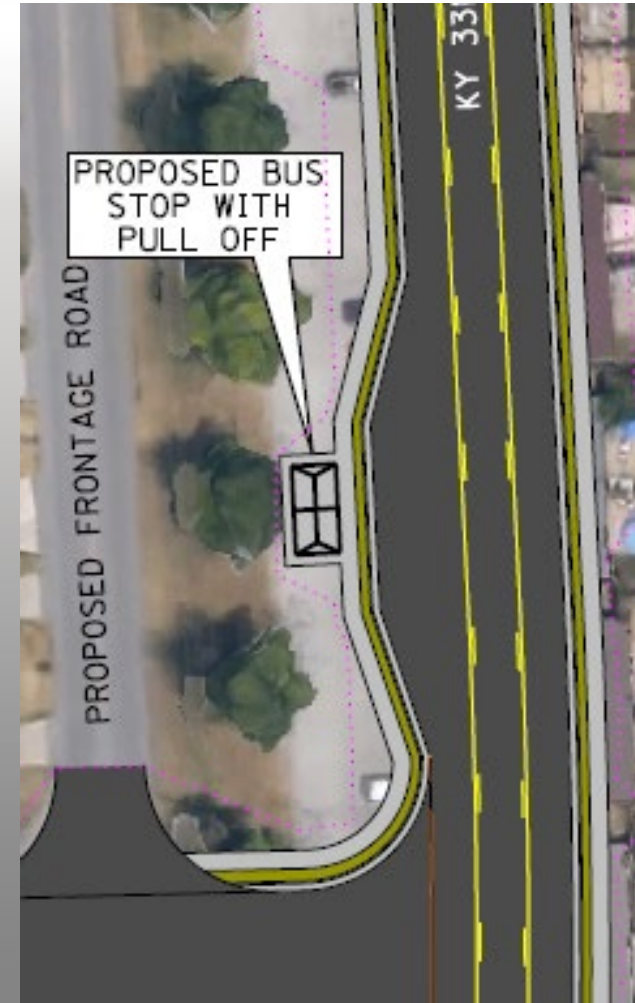




7. Address any truck entry issues that may be necessary at individual entrances.



8. Include 2 transit bus stops, complete with pull-offs and shelters
9. Consider sidewalk and/or shared use path for compliment to new transit stops



10. Widen Rinaldo Rd. from KY 331 to rail loadout to a 3-lane roadway.
  
11. Work with CSX on proper warning devices for existing RR Crossing.

Print Download Station Details

Historical Traffic Volume Summary

Station Details:

Sta ID:	030B77
Sta Type:	Classification
Map:	<a href="#">MapIt</a>
District:	2
County:	Daviess
Route:	030-KY-0331 -000
Route Desc:	INDUSTRIAL DR+MEDLEY RD

Begin MP:	0.4360
Begin Desc:	WEST FOURTH STREET
End Mp:	1.5790
End Desc:	MEDLEY ROAD
Impact Year:	
Year Added:	

Newest Count:

AADT:	4564
Year:	2017
% Single:	5.9870
% Combo:	34.8570
K Factor:	8.90
D Factor:	72

40.8%

Definitions:

Sta. ID - Three digit county number + station number

MP - milepoint

Impact Year - year of significant change to traffic pattern within station segment

AADT - Annual Average Daily Traffic - the annualized average 24-hour volume of vehicles on a segment of roadway

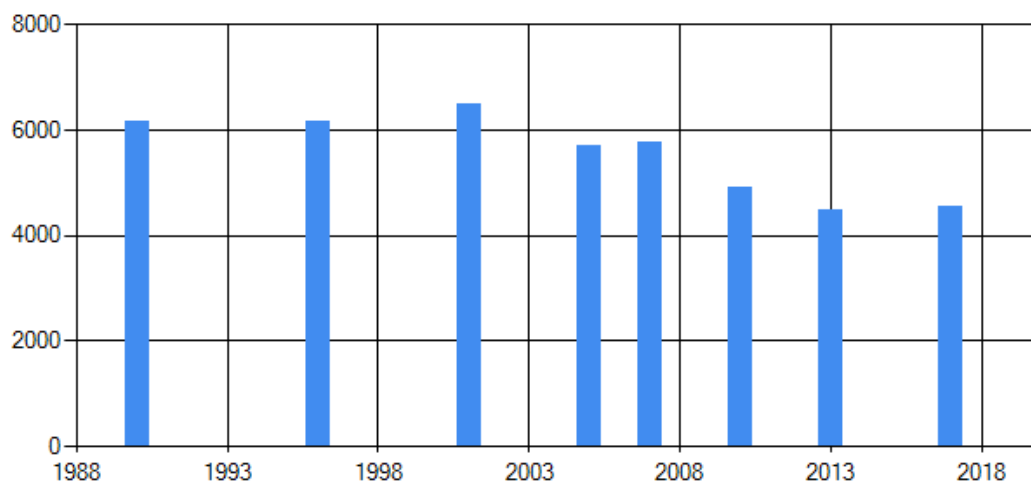
% Single - single unit truck volume as a percentage of the AADT

% Combo - combination truck volume as a percentage of the AADT

K Factor - peak hour volume as a percentage of the AADT

D Factor - percentage of peak hour volume flowing in the peak direction

Year	AADT	Year	AADT	Year	AADT
2019		2009		1999	
2018		2008		1998	
2017	4564	2007	5760	1997	
2016		2006		1996	6160
2015		2005	5720	1995	
2014		2004		1994	
2013	4476	2003		1993	
2012		2002		1992	
2011		2001	6500	1991	
2010	4900	2000		1990	6170







Search

Interactive Map

Print Download Station Details

Historical Traffic Volume Summary

Station Details:

Sta ID:	030C91
Sta Type:	Classification
Map:	<a href="#">MapIt</a>
District:	2
County:	Daviess
Route:	030-KY-0331 -000
Route Desc:	RIVER RD

Begin MP:	1.5790
Begin Desc:	MEDLEY ROAD
End Mp:	3.0040
End Desc:	END OF STATE MAINTENANCE
Impact Year:	2004
Year Added:	

Newest Count:

AADT:	1611
Year:	2018
% Single:	5.3340
% Combo:	0.3410
K Factor:	9.70
D Factor:	52

5.67%

Definitions:

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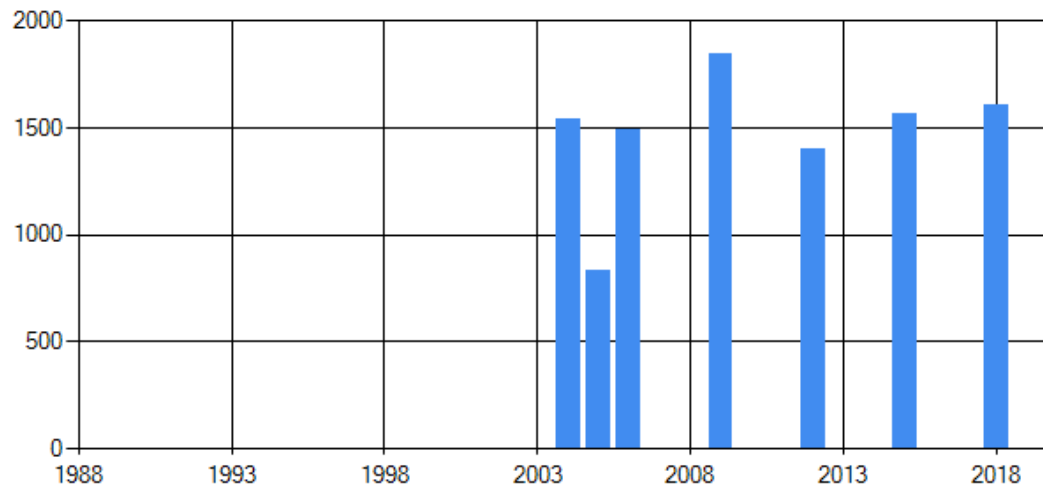
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% Combo – combination truck volume as a percentage of the AADT

K Factor – peak hour volume as a percentage of the AADT

D Factor – percentage of peak hour volume flowing in the peak direction

Year	AADT	Year	AADT	Year	AADT
2019		2009	1850	1999	
2018	1611	2008		1998	
2017		2007		1997	
2016		2006	1490	1996	
2015	1568	2005	837	1995	
2014		2004	1540	1994	
2013		2003		1993	
2012	1398	2002		1992	
2011		2001		1991	
2010		2000		1990	



## Meeting Goals

- Get an update on Environmental Progress
- Pick 1 to 2 alternates for Duplex Area
- Decide on an alternate in front of Swedish Match stretch
- Decide favorite option on treatment of curves
- Decide how far to extend center turn lane (.75M or 1.3M)
- Decide on favorite option on rural two-lane (equal or west)
- Decide on shoulder width of rural section
- Shared Use Path – Yes or No
- Extent of Sidewalks (take to Old US 60 or stop short)
- Discuss Next Steps

**Tweak or Delete**

**US 60**  
**Rolling Terrain**  
**Posted Speed 55/45/35 MPH**  
**ADT (2017 / 2038)=9,600 / 12,000**  
**Project Length= 2.179 Miles**

Rural Collector Rural / Urban Arterial	Common Geometric Practices	Proposed Typical (Alt 2A)
Number of Lanes	2	2 / 3
Lane Width	12 FT	11 FT / 12FT
Shoulder	8FT / 2 FT Curb & Gutter	8FT (6 FT Paved) & 2 FT Curb & Gutter
Border Area	8-12 FT	4 - 11 FT or
Minimum Radius	371 FT ( $e_{max}=4\%$ ) 587 FT/960 FT ( $e_{max}=8\%$ )	1025/1290/6500 FT
Maximum Grade	8% / 7%	7.25%
Min. Sight Distance	250 FT / 360 FT /495 FT	300/387/375 FT

**Tweak or Delete**



	BUILD	GANTT	ACTUAL	
Notice of Approval	December 2019		December 2019	MARAD not FHWA
Utility Kickoff	3/1/19	4/1/19-4/15/19	4/8/19	
NTP	3/1/19	n/a	Pending	ORA
PL&G Insp	4/15/19	5/15/19	6/25/19	not KYTC
Public Mtg	6/30/19	7/1/19		
Final Insp	10/20/19	8/15/19		
NEPA CE Doc.	10/1/19	10/31/19		

Under Contract by:

**September 30, 2020**

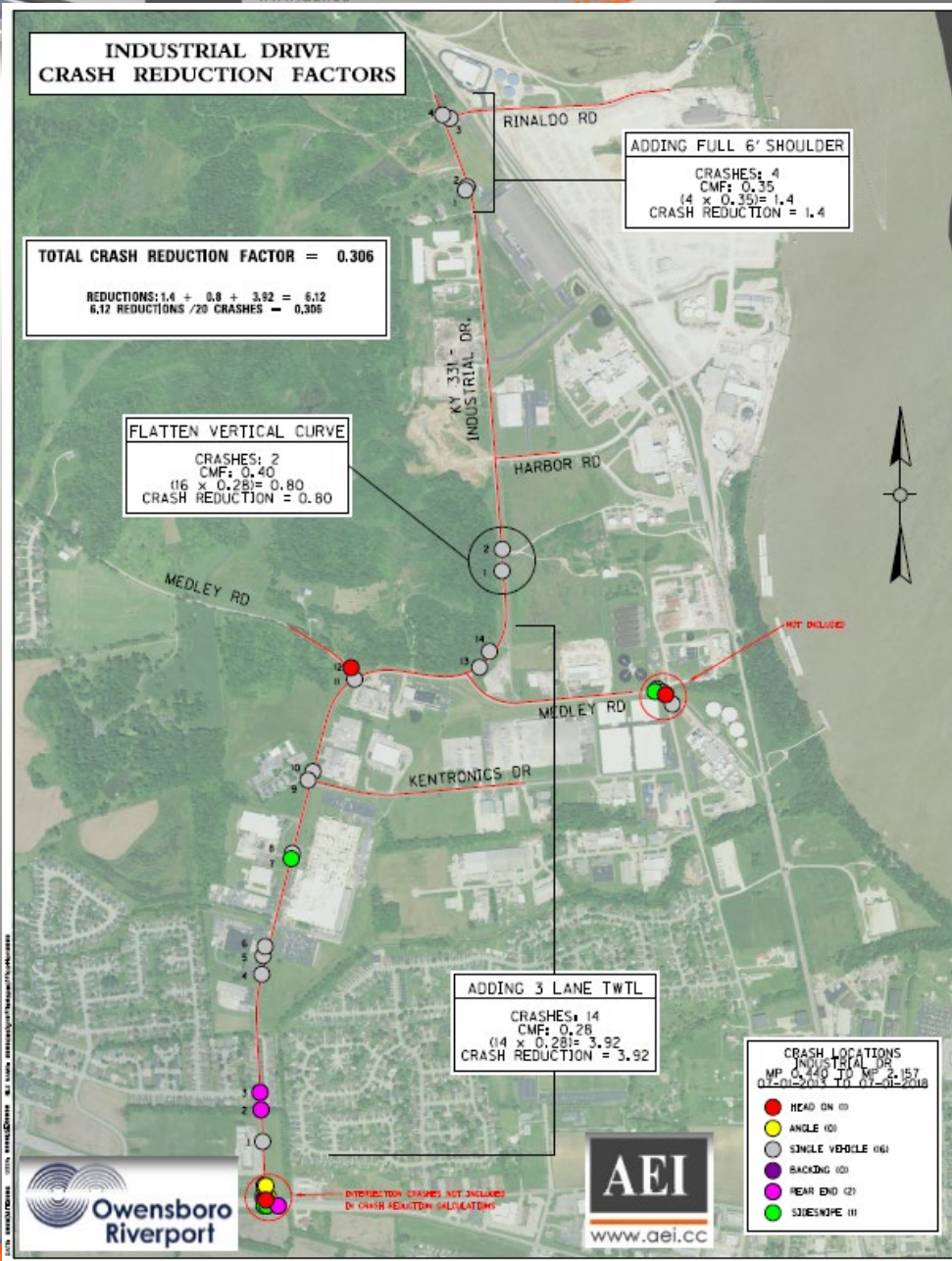
Expend Funds by:

**September 30, 2025**

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- Discuss Next Steps

**Place at  
end**







# Next Steps

1. Continue EJ Work
2. Submit preferred alignments to CSX
3. Sign agreement with CSX
4. Update utilities as alignment firms up
5. Meeting in KYTC CO on R/W before end of July
6. Move toward scheduling Public Meeting in Summer
7. Move toward early R/W authorization

**Place at  
end**

Posted on Apr 05, 2012

**April 5, 2012 – Daviess County, Ky.** – A man was killed and another was seriously injured in a fatal motorcycle crash on Wednesday, April 4.

*Tristate Homepage* reports that the accident occurred on River Road. A motorcycle was travelling westbound on the roadway when its driver failed to negotiate a curve and went off the road. The motorcycle crashed into a ditch, rolled twice before hitting a tree.

The driver and a passenger were both thrown from the vehicle on impact. The driver, Russell Hoyt, Sr. died at the scene.

The passenger, Roger Hunnicut, was rushed to Owensboro Medical Health System immediately following the crash to receive medical assistance. His injuries are said to be serious.

The cause of the accident remains to be determined. Sheriff's deputies are waiting for the results of toxicology tests to determine whether or not alcohol was a factor. The Daviess County Sheriff's Department continues to investigate.



