

2-8803.00		D	ata Needs Analy	sis		KY 2533
Muhlenberg			Scoping Study			Reconstruction
-						
		PRELIMIN	ARY PROJECT	INFORMATIC	)N	
County:	Muhlenberg		Item No.:		2-8803.00	
Route Number(s): <sup>*</sup>	KY 2533		Road Name:		Dean Road	
Program No.:	135730		UPN:	FD52	089 2533	000-003
Federal Project No.:	STP 9031031		Type of Work:	I DJZ	Reconstru	
	lan Project De					
Straighten Dean Road i			nace North noar	the intercectiv	on with the WKV Dar	kway Wondoll
Ford National Guard Co						kway, wenden
Beginning MP:	0	00010. (140	Ending MP:	2.023	Project Lengt	:h: 2.023
			2		Project Information in	-
State Class.: Primar	y 🔽 Seconda	arv		Route is on:		Ext Wt
Functional Class.:		Local	-	Truck Class.:	A VIN KINK	_
MPO Area: Not Applical		Local	-	Terrain:		
ADT (current):	1637	2019	•	renam.	Rolling	•
					• •	
			ully Controlled	Partial	Spacing:	•
Existing Bike Accomm			led (Type):	Ped:		
		hared Lane	▼ □			
Posted Speed:	] 35 mph	45 mph	<b>√</b> 55 mp		Other (Specify):	
KTIC Guidelines Preim	minarity based	u on :	COMMON G	MPH Proposed	Design Speed	
Roadway Data:	EXIST	ING	PRACTI			
No. of Lanes	2		2		Existing Rdwy. Pla	ns available?
Lane Width	9f				Yes V No	
Shoulder Width	3f	_	3	_	Year of Plan	ns:
Max. Superelevation***		-	_	-		ecast Requested
Minimum Radius***			<u>48</u>	<u>15</u>	Date Requeste	ed: NA
Maximum Grade			<u>10</u>	<u>%</u>	Mapping/Sur	vey Requested
Minimum Sight Dist.			<u>30</u>	<u>15</u>	Date Requeste	ed:
Sidewalk Width(urban)					Type:	•
Clear-zone <sup>†</sup>			25	ft		
Project Notes/Design Exc	eptions?					
Bridge No.: <sup>‡</sup>	(Bridg	e #1)	(Bridg	e #2)		
Sufficiency Rating	<u></u>		<u>.                                    </u>			
Total Length					Existing Geotech D	ata Available?
Width, curb to curb						
Span Lengths					Yes	INO
Year Built						
Posted Weight Limit					Detour Length(	s):
Structurally Deficient?						
Functionally Obsolete?						
Existing Bridge Type						
*If more than one road is inclu **Based on proposed Design S ***AASHTO's A Policy on Geor +AASHTO's Roadside Design G ‡If more than two bridges are	Speed metric Design of Hi uide	ghways and Str	eets			

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II. PROJE	CT PURPOSE	AND NEED		
A. Legislation				
This project received funding in the 2020 Highway	Funding	Phase	Year	Amount
Plan.	SPP	D	2021	\$780,000
	SPP	R	2023	\$560,000
	SPP	U	2023	\$850,000
	SPP	С	2024	\$7,020,000
-		•	·	
B. Project Status				
Design funds have been requested. Project is expected	ed to be advertise	ed in August.		
Design funds have been requested. Project is expected	ed to be advertise	ed in August.		
C. System Linkage				
This route connects KY 181 near the Western Kentuck	ky Parkway to KY	189 between G	reenville and Ce	entral City.
D. Modal Interrelationships				
This route does not provide direct access to a multim	odal facility such	as a riverport, a	irport or rail fac	cility.
	,	1 /		,
E. Social Demands & Economic Development				
Ky 2533 carries primarily residential traffic but does s	erve 3 churches	and some local b	ousinesses.	
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## II. PROJECT PURPOSE AND NEED (cont.)

#### F. Transportation Demand

The last actual traffic count for this route was from CTS was 1637 in 2019. this was up slightly from the count in 2016 as shown in the tables and exhibits.

## G. Capacity

This project would not increase capacity.

## H. Safety

There were 43 collisions reported during the period of 6/18/2017-6/18/2021. Of these 43 collisions, 9 were shown as in a parking lot. Of the remaining 34 collisions, the majority of the collisions (65%) were single vehicle collisions. Sideswipes from the opposite direction made up 18%. There were 23 collisions that happened during the daylight, 9 at dark and 2 reported at dusk or dawn. Of the 9 that were listed as dark, 8 were on a non lighted section of roadway. Additional information is shown in the Tables and Exhibits section below.

## I. Roadway Deficiencies

This route is a narrow two lane route with narrow shoulders. It has several sections of poor pavement condition along the route. There are several curves that are Class E(14-27.9 degree) and Class F (>28 degree).

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	111.	PRELIMINARY ENVIRONMENTAL OVER	VIEW
A. Air Quality			
Project is in:	Attainment area	Nonattainment or Maintenance Area	PM 2.5 County
STIP Pg.#:		TIP Pg.#:	
No STIP or TIP at t	his time	5	
	Historic Resources	ces are present	
	ned on the north end	going up the hill, new ROW would be purch	ased and archaeology will have to
C. Threatened a	nd Endangered Spe	cies	
-		ved dates of removal will have to be followe Irding underground habitat	ed. Karst does not exist in area but the
None known at th	ntaminated Sites are pres	aken through the large area of forest on the	
Are 401/404 Perm	its likely to be require	he US MS4 area Floodplain Impacts d? Yes No Impacts 1 V ACE IP DOW IWQC	Navigable Waters of the US Impacts to: Wetlands Special Use Waters
<b>.</b> .	"Type I Project" accordir	eceptors adjacent to the proposed project? ng to <u>KYTC Noise Analysis and Abate</u>	
<b>G. Socioeconon</b> Check all that may No relocations at t	apply: Low Inco	me/Minority Populations	ocations 🔲 Local Land Use Plan available
H. Section 4(f) of The following are pr None	or 6(f) Resources resent on the project:	Section 4(f) Resources	Section 6(f) Resources
Anticipated	l Environmental Docu	ment: CE Level 1	•

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#### **IV. PROJECT NEED, PURPOSE & SCOPE**

A. Need:

This section of roadway connects KY 181 near the Western Ky Parkway to KY 189 near Greenville. KY 2533 is comprised of narrow lanes with little to no shoulder as well as several sharp curves. The pavement along this route is showing a lot of cracking. There are several sections of strip patching. This project is needed to provide a safe route for residential traffic as well those accessing local businesses and churches.

## B. Purpose:

The purpose of this project is to improve safety and traffic flow by addressing geometric deficiencies and pavement concerns.

## C. Scope:

To make necessary improvements to Dean Road (KY 2533)from the intersection with KY 189 Bypass north to the KY 181 intersection near the Western Kentucky Parkway. This would include widening, straightening some curves and repairing pavement.

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Current Estimate Estimate
Estimate
850,000
1,500,000
1,000,000
7,020,000
10,370,000
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## VI. UTILITIES POTENTIALLY AFFECTED - CONTACT INFORMATION

## Atmos Energy

Contact - Chase Downing 3275 Highland Pointe Dr. (270) 685-8128

#### **Kentucky Utilities Company**

Contact - Keith T. Marks 195 Hubert Reid Drive Earlington, KY 42410 Office 270-383-6000 Cell 270-871-8709 Fax 270-383-6004

## AT&T

Contact - Scott Roche 1340 E John Rowan Blvd., Bardstown, KY 40004 (502) 348-4528

#### Spectrum

Contact - Justin Sturgeon 250 Madison Square Dr Madisonville, KY 42431 (812) 253-2767

#### Muhlenberg County Water District

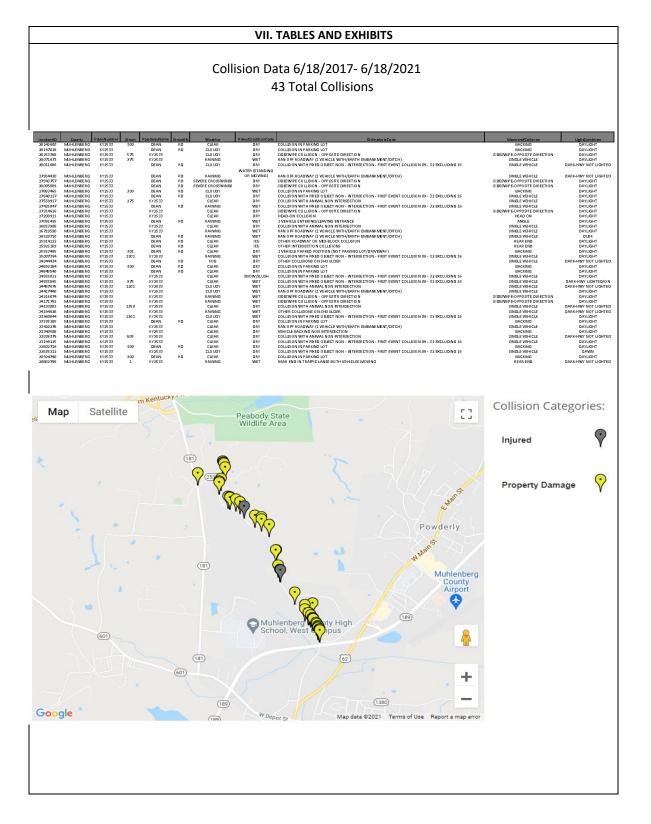
Contact - Kurt Sarnecke 301 Dean Rd. Greenville, KY 42345 Office: 270-338-1300 Cell: 270-977-0307

## Muhlenberg County Water District #3

Contact - Ben Tooley 4815 Main Street Bremen, KY 42325 270-525-6333 2-8803.00 Muhlenberg

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# Data Needs Analysis Scoping Study

Print Download Stati	unt Reporting S	vstem			
Search Interac	unt Reporting S	vstem			
Search Interac	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		AN ALL ADDRESS OF A DECK	1 1 -	Present TED
Print Download Stati	ctive Map	649-409039 	A Presentes min	61.12	
Station Details:	ume Summary			Newest Co	punt:
Sta ID: 08952		Begin MP:	0	AADT:	1637
			KY 189 IN GREENVILLE	Year:	2019
Map: Maplt District: 2		End Desc:	2.0230 KY 181 AT NEBO	% Single: % Combo:	
County: Muhler		Impact Year:		K Factor:	10.70
		Year Added:		D Factor:	58
Route Desc: DEAN	RD+KY-2533				
AADT – Annual Avera % Single – single uni % Combo – combina K Factor – peak hour	age Daily Traffic- it truck volume as a per volume as a peak hour vo 2001 1290 610 2000 1999 420 1997 420 1997 1995 560 1994	the annuali a percentage as a percen centage of the olume flowing	e of the AADT tage of the AADT he AADT g in the peak direction	nt le of vehicles	s on a segment of roadway
	(197) Net	2533 3007(18) 91a 750	1637(19) Stz. 528	2533	MOUSTRY ON