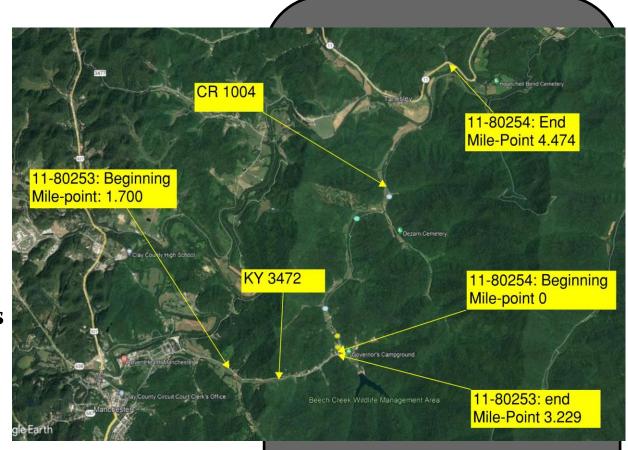
Data Needs Analysis



Scoping Study



Improve the existing geometric alignment from KY3472 at MP 1.7 continuing past the Bert T. Combs Park onto CR1004 to its intersection with KY11.

Clay County Item Numbers 11-80253 & 11-80254

Prepared by the KYTC Division of Planning and KYTC District 11

October 2022





	la. PRELIMINA	ARY PROJECT INFORMA	TION	
County:	Clay	Item No.:	11-80253.00	
Route Number(s):*	KY-3472	Road Name:	Beech Creek Rd.	
Program No.:		UPN:		
Federal Project No.:		Type of Work:	Realignment	
2022 Highway Pl	an Project Description:	_		
Improve geometric Alig	nment from KY 3472 at	MP 1.7 continuing past the	e Bert T. Combs Park to the	
intersection of Beech C	reek Road and White Oa	k Road. (Approximately 1.	5 miles of roadway to improve)	
Beginning MP:	1.7	Ending MP: 3.229		
In TIP: Yes Vo			DP/CHAF to Verify Project Data	
State Class.: Primar	y Secondary	Route is on:	NHS NN Ext Wt	
Functional Class.:	Urban 🗸 Rural Local	▼ Truck Class.:	▼ % Trucks:	
MPO Area: Not Applicat	ble	▼ Terrain:	Rolling	
ADT (current):	1860 (2019) MP .512 to .718	0		
Access Control:	☐ None ✓ Permit ☐	Fully Controlled Partial	Spacing: ▼	
Median Type:	✓ Undivided ☐ Div	ided (Type):		
Existing Bike Accommo	odations: Shared Lane	▼ Ped	: Sidewalk	
Posted Speed:	35 mph	✓ 55 mph	Other (Specify):	
KYTC Guidelines Prelim	ninarily Based on :	45 MPH Proposed	d Design Speed	
_		COMMON GEOMETRIC		
Roadway Data:	<u>EXISTING</u>	PRACTICES**		
No. of Lanes	<u>2</u>	<u>2</u>	Existing Rdwy. Plans available?	
Lane Width	<u>9'-12'</u>	<u>11'</u>	Yes Vo	
Shoulder Width	<u>0-1'</u>	<u>3'</u>	Year of Plans:	
Max. Superelevation***	<u>Unknown</u>	<u>8%</u>	<u>Traffic Forecast Requested</u>	
Minimum Radius***	<u>Unknown</u>	<u>587'</u>	Date Requested: 6/1/2022	
Maximum Grade	<u>Unknown</u>	<u>9%</u>	Mapping/Survey Requested	
Minimum Sight Dist.	<u>Unknown</u>	<u>360'</u>	Date Requested:	
Sidewalk Width(urban) +	<u>N/A</u>		Type:	
Clear-zone ^T				
Project Notes/Design Exce	eptions?			

County: Clay tem No.: 11-80254.00 Route Number(s): CR-1004 Road Name: Beech Creek Rd. Program No.: Type of Work: Realignment Redirection Type of Work: Realignment Type of Work: Type of W		Ib. PRELIMINA	ARY PROJEC	T INFORMAT	ION	
Program No.:	County:	Clay	Item No.:		11-80254.00	
Program No.:	Route Number(s):	CR-1004	- Road Name	e:	Beech Creek Rd.	_
Federal Project No.: 2022 Highway Plan Project Description:			_			
### Access Control: None None None Permit Fully Controlled Partial Spacing: Posted	_		_	ork:	Realignme	nt
Improve geometric alignment from the intersection of beech creek road and white oak road to KY-11 AT MP 14.24. (approximately 4.0 miles of roadway to improve) (2022CCN) Beginning MP:	-	an Project Description:	_ ′'			
In TIP:	Improve geometric alig	gnment from the interse			nd white oak road to K	Y-11 AT MP
State Class.:	Beginning MP:	0	Ending MP:	4.474	Project Length:	4.474
Functional Class.: Urban Z Rural Local Truck Class.: % Trucks: MPO Area: Not Applicable Terrain: Rolling With Truck Rolling With Median Type: Undivided Divided (Type): Existing Bike Accommodations: Shared Lane Y Ped: Sidewalk Posted Speed 35 mph 45 mph 55 mph 55 mph 45 mph 55 mph With MPH Proposed Design Speed With MPH Proposed Design Speed MPH Proposed Design Spe	In TIP: Yes Vo	•		<u>Use PD</u>	P/CHAF to Verify Proje	ct Data
MPO Area: Not Applicable	State Class.: Primar	y Secondary		Route is on:	□ NHS □ NN □	Ext Wt
ADT (current): No data at this time Access Control: None Permit Fully Controlled Partial Spacing: Posted Speed: Undivided Divided (Type): Sidewalk Posted Speed: 35 mph 45 mph 55 mph 70 ther (Specify): None posted KYTC Guidelines Preliminarily Based on: 45 MPH Proposed Design Speed **COMMON GEOMETIC*** No. of Lanes Lane Width 16' 11' Yes No Shoulder Width 0 3' Year of Plans: Noulder Width 0 3' Year of Plans: Date Requested: 10/13/2022 Max. Superelevation*** Unknown 587' Date Requested: 10/13/2022 Maximum Grade Unknown 9% Mapping/Survey Requested Minimum Sight Dist. Unknown 587' Date Requested: 10/13/2022 Max. Sidewalk Width(urban) N/A N/A N/A Type: Project Notes/Design Exceptions? Bridge No. ** 026C00144N Sufficiency Rating 100 Total Length 215 Existing Geotech Data Available? Year Built 2017 Posted Weight Limit N/A Detour Length(s): 55 Structurally Deficient? Not Deficient Functionally Obsolete? Not Deficient Functionally Obsolete? No	Functional Class.:	Urban 🗸 Rural Local	•	Truck Class.:	▼ % Trucks:	
ADT (current): No data at this time Access Control: None	MPO Area: Not Applicat	ble	•	Terrain:	Rolling	
Median Type:	ADT (current):	No data at this time			3	
Median Type:	Access Control:	None ✓ Permit	Fully Controlled	Partial	Spacing:	_
Existing Bike Accommodations: Shared Lane	Median Type:		•			•
KYTC Guidelines Preliminarily Based on : 45 MPH Proposed Design Speed COMMON GEOMETRIC PRACTICES** No. of Lanes 2 Existing Rdwy. Plans available? Lane Width 16' 11' Yes No Shoulder Width 0 3' Year of Plans: Max. Superelevation*** Unknown 8% Traffic Forecast Requested Minimum Radius**** Unknown 587' Date Requested: 10/13/2022 Maximum Grade Unknown 587' Date Requested: Sidewalk Width(urban) N/A N/A Type: ▼ Sidewalk Width(urban) N/A N/A Type: ▼ Project Notes/Design Exceptions? Bridge No.: 026C00144N Sufficiency Rating 100 Existing Geotech Data Available? Width, curb to curb 28 For a puilt Yes No Span Length 150/65 Yes No Year Built N/A Detour Length(s): 5 Structurally Deficient? Not Deficient Functionally Obsolete? Not	Existing Bike Accommo	<u> </u>	. ,, ,	▼ Ped:	Sidewalk	
KYTC Guidelines Preliminarily Based on: 45 MPH Proposed Design Speed COMMON GEOMETRIC PRACTICES** No. of Lanes 2 Existing Rdwy. Plans available? Lane Width 16' 11' Yes ✓ No Shoulder Width 0 3' Year of Plans: Max. Superelevation*** Unknown 8% ✓ Traffic Forecast Requested Minimum Radius**** Unknown 587' Date Requested: 10/13/2022 Maximum Grade Unknown 9% Mapping/Survey Requested Minimum Sight Dist. Unknown 587' Date Requested: Sidewalk Width(urban) N/A N/A Type: ✓ Clear-zone† Project Notes/Design Exceptions? Bridge No.:* 026C00144N Sufficiency Rating 100 Total Length 215 Existing Geotech Data Available? Width, curb to curb 28 Span Lengths 150/65 Year Built 2017 Posted Weight Limit N/A Detour Length(s): 5 Structurally Deficient? Not Deficient Functionally Obsolete? No	Posted Speed:	35 mph 45 mph		55 mph	✓ Other (Specify):	None posted
Roadway Data: EXISTING PRACTICES** No. of Lanes Lane Width 16' 11' Yes ✓ No Shoulder Width 0 3' Year of Plans: Max. Superelevation*** Unknown 8% Maximum Grade Unknown 9% Mapping/Survey Requested Minimum Sight Dist. Unknown Sidewalk Width(urban) N/A Clear-zone Project Notes/Design Exceptions? Bridge No.: Total Length 215 Width, curb to curb Span Lengths Span Lengths Structurally Deficient? N/A N/A N/A Rxisting Rdwy. Plans available? Existing Rdwy. Plans available? Existing Rdwy. Plans available? Existing Rdwy. Plans available? Existing Geotect Data Available? Existing Geotech Data Available? Existing Geotech Data Available? Detour Length(s): Structurally Deficient? Not Deficient Functionally Obsolete? No	KYTC Guidelines Prelim			MPH Proposed		
No. of Lanes Lane Width 16' 11' Yes No Shoulder Width 0 3' Max. Superelevation*** Unknown Minimum Radius*** Unknown Minimum Sight Dist. Sidewalk Width(urban) Unknown Sidewalk Width(urban) Clear-zone Project Notes/Design Exceptions? Bridge No.: Bridge No.: 026C00144N Sufficiency Rating 100 Total Length 215 Width, curb to curb Span Lengths Span Lengths 150/65 Year Built 2017 Posted Weight Limit N/A Structurally Deficient? Functionally Obsolete? No Sidewalk Width 11' Yes No No Traffic Forecast Requested: 10/13/2022 Date Requ			COMMON	GEOMETRIC		
Lane Width 16' 11'	Roadway Data:	<u>EXISTING</u>	PRAC	CTICES**		
Shoulder Width Q 3' Year of Plans: Max. Superelevation*** Unknown Minimum Radius*** Maximum Grade Minimum Sight Dist. Sidewalk Width(urban) Clear-zone Project Notes/Design Exceptions? Bridge No.:* Q26C00144N Sufficiency Rating Total Length Q15 Span Lengths Q26T Posted Weight Limit Q17 Structurally Deficient? Functionally Obsolete? No Maximum Grade Unknown Mayping/Survey Requested Date Requested: 10/13/2022 Mapping/Survey Requested Date Requested: Trype: Trype: Texisting Geotech Data Available? Yes No Detour Length(s): 5 Structurally Deficient? No No	No. of Lanes				Existing Rdwy. Plan	s available?
Max. Superelevation*** Minimum Radius*** Minimum Grade Minimum Sight Dist. Sidewalk Width(urban) Clear-zone Project Notes/Design Exceptions? Bridge No.: Sufficiency Rating Total Length Vidth, curb to curb Span Lengths Year Built Posted Weight Limit Structurally Deficient? Functionally Obsolete? Minimum Sight Dist. Unknown 9% Mapping/Survey Requested Date Requested: Date Requested: N/A Type: Type: V Existing Geotech Data Available? Yes No Detour Length(s): 5 Span Detour Length(s): Detour Length(s): Mo						
Minimum Radius*** Maximum Grade Minimum Sight Dist. Sidewalk Width(urban) Clear-zone Project Notes/Design Exceptions? Bridge No.: Sufficiency Rating Total Length Width, curb to curb Span Lengths Span Lengths Year Built Posted Weight Limit Structurally Deficient? Functionally Obsolete? Mapping/Survey Requested Mapping/Survey Requested Mapping/Survey Requested Mapping/Survey Requested Mapping/Survey Requested Date Requested: 10/13/2022 Mapping/Survey Requested Date Requested: 10/13/2022 Mapping/Survey Requested Existing Geotechel 10/13/2022 Mapping/Survey Requested Existing Geotechel 10/13/2022 10/13/202 10/		_				
Maximum Grade Minimum Sight Dist. Sidewalk Width(urban) Clear-zone Project Notes/Design Exceptions? Bridge No.: Sufficiency Rating Total Length Vidth, curb to curb Span Lengths Span Lengths Year Built Posted Weight Limit Structurally Deficient? Functionally Obsolete? N/A Unknown 587' Date Requested Date Requested Mapping/Survey Requested Date Requested Fall Spar' Date Requested Pate	•					
Minimum Sight Dist. Unknown 587' Date Requested: Sidewalk Width(urban) N/A N/A Type: Project Notes/Design Exceptions? Bridge No.: Sufficiency Rating 100 Total Length 215 Width, curb to curb 28 Span Lengths 150/65 Year Built 2017 Posted Weight Limit N/A Structurally Deficient? Not Deficient Functionally Obsolete? No					Date Requested	10/13/2022
Sidewalk Width(urban) Clear-zone Project Notes/Design Exceptions? Bridge No.: Sufficiency Rating Total Length Yes Width, curb to curb Span Lengths Year Built Posted Weight Limit N/A Sufficient? No Posted Weight Limit N/A Sufficient No No N/A N/A N/A N/A N/A N/A						
Clear-zone Project Notes/Design Exceptions? Bridge No.: Sufficiency Rating Total Length Vidth, curb to curb Span Lengths Yes Yes No Structurally Deficient? Functionally Obsolete? No Defour Length No Posted Weight Limit N/A No No No No No No No No No N	•		· -			
Project Notes/Design Exceptions? Bridge No.: * O26C00144N Sufficiency Rating 100 Total Length 215 Existing Geotech Data Available? Width, curb to curb 28 Span Lengths 150/65 Year Built 2017 Posted Weight Limit N/A Detour Length(s): 5 Structurally Deficient? Not Deficient Functionally Obsolete? No		<u>N/A</u>	•	N/A	Type:	•
Bridge No.: * O26C00144N Sufficiency Rating 100 Total Length 215 Existing Geotech Data Available? Width, curb to curb 28 Span Lengths 150/65 Year Built 2017 Posted Weight Limit N/A Detour Length(s): 5 Structurally Deficient? Functionally Obsolete? No						
Sufficiency Rating Total Length Width, curb to curb Span Lengths Yes No Structurally Deficient? Functionally Obsolete?		eptions?				
Total Length 215 Width, curb to curb Span Lengths Yes No Span Lengths Yes No Span Lengths Yes No Span Lengths Yes No Structurally Deficient? Functionally Obsolete? Existing Geotech Data Available? Yes No Defour Length(s): 5		026C00144N				
Width, curb to curb Span Lengths Year Built Posted Weight Limit Structurally Deficient? Functionally Obsolete? 28 Yes Vo Yes Vo No Detour Length(s): 5	. =					
Span Lengths Year Built Posted Weight Limit N/A Structurally Deficient? Functionally Obsolete? No 150/65 2017 Detour Length(s): 5 No No	=				Existing Geotech Dat	a Available?
Year Built 2017 Posted Weight Limit N/A Detour Length(s): 5 Structurally Deficient? Not Deficient Functionally Obsolete? No					☐ Yes ✓ No)
Posted Weight Limit N/A Detour Length(s): 5 Structurally Deficient? Functionally Obsolete? No	-					
Structurally Deficient? Not Deficient Functionally Obsolete? No					.	_
Functionally Obsolete? <u>No</u>	_				Detour Length(s)	5
	•					
Existing Bridge Type <u>Z-span, U Skew</u>	·					
	Existing Bridge Type	<u>z-span, u skew</u>				

II. PROJECT PURPOSE AND NEED

A. Legislation

The projects appeared in the 2022 Highway Plan with the following descriptions 11-80253: "Improve geometric Alignment from KY 3472 at MP 1.7 continuing past the Bert T. Combs Park to the intersection of Beech Creek Road and White Oak Road. (Approximately 1.5 miles of roadway to improve)"

roadway to improve)
11-80254: "Improve geometric alignment from the
intersection of beech creek road and white oak road
to KY-11 AT MP 14.24. (approximately 4.0 miles of
roadway to improve) (2022CCN)"

Funding	Phase	Year	Amount (11-80253/
			11-80254)
SPP	D	2023	\$1,300,000/\$1,600,000
SPP	R	2024	\$2,000,000/\$2,000,000
SPP	U	2025	\$1,900,000/\$1,200,000
SPP	С	2026	\$7,500,000/\$16,000,000

All phases of both projects have funding in the highway plan at this time.

B. Project Status

There is funding in the 2022 Highway Plan for all phases of these project at this time. There are no other projects scheduled for these locations at this time. The slide repair that is referenced in the photo below (Approximately MP 2.9) will likely be completed by placment of an asphalt strip patch in the near future.

C. System Linkage

The following information is provided for project understanding and is not applicable to defining the project purpose. KY 3472 is an east/west route that Connects US 421 to Beech Creek Road/Bert T Combs Lake Road. The road begins at US 421 and ends at the intersection with Beech Creek Road and Bert Combs Lake Road. CR 1004 is a north/south local Rd. that Connects KY 3472 to KY 11. The road begins at the intersection with Beech Creek Road and Bert Combs Lake Road and ends at the intersection with KY 11.

D. Modal Interrelationships

The following information is provided for project understanding and is not applicable to defining the project purpose. KY 3472's primary users will be passenger cars. Some larger vehicles such as school buses and garbage trucks also travel this route as it is primarily a residential area. KY 3472 has residential properties throughout the length of the project with the eastern end of the project being more densily populated. There are several schools on US 421 that are in close proximity to the project, these would include: Clay County Middle School, Clay County High School, and Manchester Elementary School. It is also noteworthy that the park at the end of the project also has campsites and horseback riding trails, so RVs and Trucks with large trailers travel this route frequently as well.

CR 1004 primary users will be passenger cars. The area is primarily residential so the only larger vehicles would likely be school buses/ garbage trucks. Other large vehicles would likely choose another route into this area at this time do the existing conditions of this route.

E. Social Demands & Economic Development

N/A

II. PROJECT PURPOSE AND NEED (cont.)

F. Transportation Demand

The following information is provided for project understanding and is not applicable to defining the project purpose. There is currently not any traffic count data from MP .718 - MP 3.229 or Cr 1004 from MP 0 - MP 3.9 The closest sets of traffic count data are from KY 3472 MP 0.512 to MP 0.718 ADT of 1860, KY 11 MP 10.443 to 12.892 ADT of 1405, and KY 11 MP 12.892 to 19.611 ADT of 1216. It is likely that a two lane rural typical section would handle the traffic into the future but, new counts should be completed to verify this.

G. Capacity

There are currently no capacity issues on these routes.

H. Safety

The following information is provided for project understanding and is not applicable to defining the project purpose. KY 3472 experienced 8 collisions from milepoint 1.700 to 3.229 from 2017 to 2021. Of these collisions, 4 resulted in injuries and 1 of them resulted in a fatality. None of the collisions involved a comercial vehicle. Of the 8 collisions, 3 of them were located in close proximity to an F rated curve at approximately milepoint 1.95. CR 1004 Experienced 6 Collisons From milepoints 0 to 4.474 Of these collisions 3 resulted in injuries and 0 of them resulted in a fatality. None of the collisions involved a comercial vehicle. Of the 6 collisons, 2 were located in close proxomity to the series of curves near CR 1004 MP 0.1.

I. Roadway Deficiencies

11-80253: The existing alignment has a large number of horizontal curves relative to the length of the project. Of those, 7 have D ratings, 3 have E ratings, and 2 have F ratings. The first curve with an F rating is located at approximtely MP 1.95; 3 crashes occured near this location from 2017-2021. The second with an F rating is located at approximately MP 3.226; there have been no crashes at this location from 2017-2021 but will likely be inadequate for the ultimate design of this roadway. This roadway also has instances of undesirable vertical geometry such as steep grades and abrupt changes in grade. This road is also narrow with varying lane width of 9-12 feet and 0-1 foot shoulders. There is also poor site distance at many of these horizontal and vertical curves due to the poor geometry. Various examples of roadside hazards also exist in this area which include but are not limited to critical slopes and utility poles well within the clear zone with no roadside barriers present for either. Existing pavement structure appears to be in poor condition with various forms of cracking and base failures are present within this area.

11-80254: The existing roadway is very narrow with the road being only 16' wide with no shoulders. The road is winding for the majority of its length with substandard horizontal and vertical geometry throughout this project area. Many sections along the western side of the alignment have critical foreslopes with no barriers. These steep foreslopes along with being located along a stream have created numerous embankment faiures throughout the site in which many have been repaired with rail steel and cribbing. Also due to the steep backslopes on the eastern side of the alignment it has created some issues with minor rockfalls/slides. The existing pavement is in poor condition with many breaks in the pavement due to the previous slides. There is only one structure within the limits and it is structurally and functionally sufficient.

III. PRELIMINARY ENVIRONMENTAL OVERVIEW				
A. Air Quality				
Project is in: Attainment area Nonattainment or Maintenance Area PM 2.5 County				
STIP Pg.#: TIP Pg.#:				
The projects must be added to STIP. TIP is not applicable because they are not in an MPO. Clay county is attainment for all monitored air pollutants. If the projects receive federal funding and if they significantly change or increase traffic, or add additional lanes, they may require MSAT analysis. If structures are impacted they will need to be inspected for asbestos containing materials, and KY DAQ will require advanced notification prior to demolition.				
B. Archeology/Historic Resources [Known Archeological or Historic Resources are present				
Several structures along the routes appear > 50 years old. If federal funding is applied to the projects, then investigations				
of archeological and historic resources will be required for the entire APE of both projects. Even with SPP funds, investigation within USACE Jurisdictional Areas will be required for Corps permitting.				
C. Threatened and Endangered Species				
USFWS IPaC report generated for 11-80253 lists potential habitat for Gray Bat, Indiana Bat, Northern Long-eared Bat, Kentucky Arrow Darter, and Snuffbox Mussel. For 11-80254 the USFWS IPaC report lists potential habitat for Gray Bat, Indiana Bat, Northern Long-eared Bat, Kentucky Arrow Darter, and Clubshell, Fanshell, and Rabbitsfoot mussels. There is no critical habitat in either project area. Several trees and wooded areas are adjacent to the roadway. Hibbard Branch, Hart Branch, and an unnamed tributary of Beech Creek are within the 11-80253 project area. Beech Creek, Little Beech Creek, Inyart Branch, an unnamed tributary of Beech Creek and Goose Creek are within the 11-80254 project area. If federal funds are applied to the project, then review will have to address the requirements of USFWS to prevent detriment to the protected species. Even with SPP funds, investigation within USACE Jurisdictional Areas will be required for Corps permitting. A habitat assessment, biological assessment or mitigation measures will address potential impacts. D. Hazardous Materials Potentially Contaminated Sites are present Potentially Contaminated Sites are present Potentially Contaminated Sites are present and Potential Bridge or Structure Demolition No obvious sites noted from aerial photography, however a UST/HAZMAT SME should review the projects for issues such as prior fuel stations or known monitoring wells. Structures requiring demolition will need to be inspected for asbestos.				
E. Permitting				
Check all that may apply: 🗸 Waters of the US 🗌 MS4 area 🗸 Floodplain Impacts 🗌 Navigable Waters of the US Impacts				
Are 401/404 Permits likely to be required?				
404 and 401 permit requirements TBD based upon impacts from alternatives and improvements selected. KYR10 construction permits will likely be required. Floodplain permits may be required. For 11-80254, the section of Goose Creek along Beech Creek Rd. from MP 0.00 - 1.00 is designated as an OSRW. Impacts to special use waters do not qualify for Nation Wide permits and will require an Individual Permit.				

5 11/1/2022

F. Noise				
Are existing or planned noise sensitive receptors adjac	cent to the p	roposed project?	s No	
Is this considered a "Type I Project" according to		Analysis and Abatement Polic		
Several noise sensitive receptors are along both route	s including b	ut not limited to: residences	, a church, and a public	
part at the Eastern end of 11-80253. Due to the expe	cted curve re	evisions with horizontal and v	ertical changes, it is likely	
these would be Type I Projects. Noise analysis require	ed if federal f	unds are used on the project	S.	
G. Socioeconomic		_		
Check all that may apply:	opulations	✓ Relocations ☐ L	ocal Land Use Plan available	
There are several residences very close to the existing	roadway for	both projects. According to	the "Demographic	
Indicators 2020" layer available through the KYTC ma	pping tools, c	over 80% of the population al	ong both routes may	
qualify as Low Income. The project should not pose h			uction provided that traffic	
access is maintained during construction. There is no	Local Land u	se plan.		
H. Section 4(f) or 6(f) Resources				
The following are present on the project:	Section 4(f) Re	esources Section 6(f) F	Resources	
No known 4(f) resources, however potential for histor				
Corps permitting. No known 6(f) resources are in the		. However, it should be noted	d that Bert T. Combs Park	
and Campground is just to the East of the 11-80253 p	roject area.			
<u>Anticipated Environmental Document:</u>	None (Co	mpletely State funded)		
IV. PROIFCT	NFFD PUR	RPOSE & SCOPE		
A. Need:	11225,1 011	032 0 3001 2		
KY 3472/CR 1004 has deficiences in both the hor	rizontal and	vertical alignments along	with lane/shoulder	
width and clear zone.		The state and state are also as		
B. Purpose:				
The purpose of these projects is to correct the substandard geometrics of the roadway.				
, , , , , , , , , , , , , , , , , , , ,				
C. Scope:				
The focus of these projects will be to improve the existing geometric alignment from KY 3472 at MP 1.7				
continuing past the Bert T. Combs Park onto CR 1004 to its intersection with KY-11. This includes				
approximately 5.5 miles of roadway to be improved.				
approximately 5.5 miles of roadway to be improved.				
V. PROJECT ESTIMATE & METHODOLOGY				
Estimate Methodology:				
All necessary right of way will likely be from	Phase	11-80253 Current Estimate	11-80254 Current Estimate	
residential properties. Multiple utilitity companies	Planning			
		\$1,300,000	\$1,600,000	
project. Construction will be focused on	R/W	\$2,000,000	\$2,000,000	
improvments so portions of the exsting roadway will	Utilities	\$1,900,000	\$1,200,000	
be reused in some capacity.	Const	\$7,500,000	\$16,000,000	
	Total	\$12,700,000	\$20,800,000	

VI. UTILITIES POTENTIALLY AFFECTED - CONTACT INFORMATION

Company Name - Charter
Contact - Phillip Akers

Address - 201 W Chester Ave., Middlesboro, KY 40965

Phone No. - (606) 431-3131 Company Name - City of Manchester

Contact - Mike White

Address - 207 Church Street, Manchester, KY 40963

Phone No. - (606) 598-6043

Company Name - Delta Natural Gas Company

Contact - Rob Nellipowitz

Address - 3617 Lexington Road, Winchester, KY 40391

Phone No. - (859) 744-6171
Company Name - House Cable
Contact - Stella House

Address - PO Box 422, Manchester, KY 40962

Phone No. - (606) 598-2292

Company Name - Jackson Energy Cooperative

Contact - Brent Bingham

Address - 115 Jackson Energy Lane, McKee, KY 40447

Phone No. - (606) 364-9227

Company Name - Kentucky Utilities

Contact - Chad Francisco

Address - 180 Substation Rd., London, KY 40741

Phone No. - (606) 864-2821

Company Name - People Rural Telephone Network

Contact - Keith Gabbard

Address - PO Box 159, McKee KY 40447

Phone No. - (606) 287-7101

Company Name - Windstream

Contact - Tommy Lewis

Address - 719 North Main, London, KY 40741

Phone No. - (606) 309-2279

