APPENDIX C – KYTC TRAFFIC REPORT

Executive Summary

Traffic Forecast Report and Bike/Ped Accommodation Assessment for Franklin/Anderson County KY-151 Corridor Scoping Study I-64 to US-127 Item Number: 05-0806.00



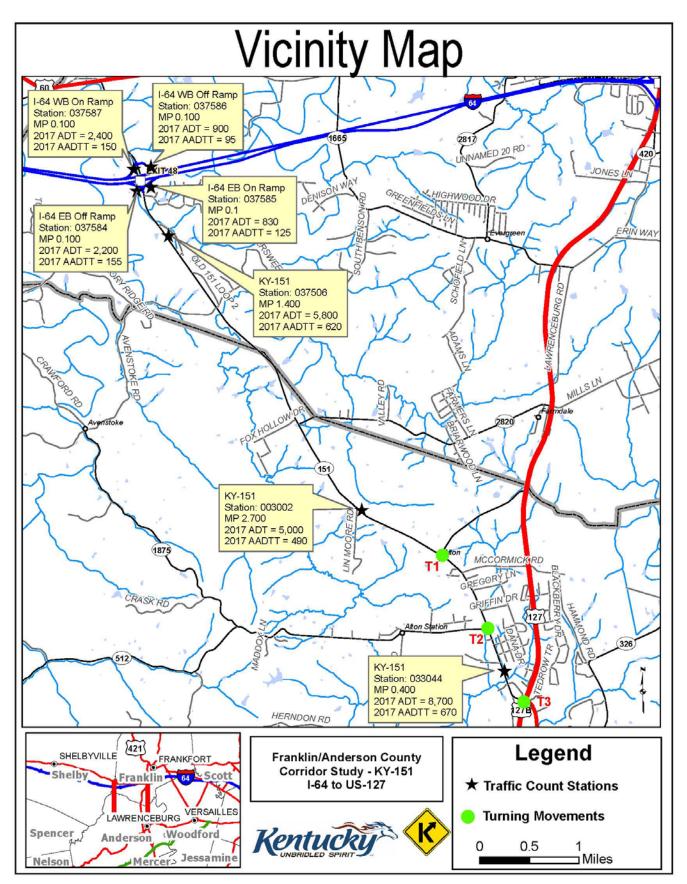
Prepared by: Justin Harrod Division of Planning Kentucky Transportation Cabinet March 7, 2018

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Commonly Used Abbreviations and their Descriptions

AADT AADTT ATR BCI D-Factor DHV ESAL FC GR K-Factor KYSTM MP PHF RUCA	Average Annual Daily Traffic Average Annual Daily Truck Traffic Automatic Traffic Recorder Bicyclists Comfort Index Directional Factor Design Hour Volume Equivalent Single Axle Load Functional Class Growth Rate K-30 th hour Factor Kentucky Statewide Model Mile Point Peak Hour Factor Road User Cost Analysis	Without any adjustment With some adjustment A permanent & continuous recording station Ratings of bicyclists' comfort level Percentage of dominant flow to total 30^{th} highest hour of a <u>year</u> A measure of traffic's impact on roadway Refers to a road's importance A value normally compounded annually DHV divided by ADT (DHV/ADT) A computerized representation of KY roads Miles increase easterly and northerly Considers a 15 minute spike in an hourly count The total travel cost to users
PHF RUCA	Peak Hour Factor Road User Cost Analysis	The total travel cost to users
Т%	Truck Percentage	The number of trucks divided by total volume



KYTC Division of Planning

Traffic Forecast Executive Summary

Franklin/Anderson County: KY-151 Corridor Scoping Study

FORECAST SUMMARY

This is a corridor scoping study to identify and evaluate improvements to the KY-151 corridor between I-64 in Franklin County and US-127 in Anderson County. The purpose of this report is to analyze current and future traffic utilizing KY-151 between I-64 and US-127.

FORECAST TYPE

The following types of forecasts were developed:

- 2020 and 2040 Average Daily and Design Hourly Volume Forecasts
- 2020 and 2040 AADTT Forecasts
- Turning Movements
- Bicycle and Pedestrian Accommodation Assessment

DESIGN-YEAR/GROWTH FACTORS

The Kentucky State Data Center forecasts that Franklin County's population will increase 0.03% annually over the next 20 years. The Kentucky State Data Center forecasts that Anderson County's population will increase 0.57% annually over the next 20 years. Exponential growth analyses performed on historical data at traffic stations 037506(MP 1.400), 003002(MP 2.700), 003044(MP 0.400) on KY-151 suggests traffic volumes have been increasing. Therefore, an annual growth rate of 1.00% was used for the purpose of this forecast.

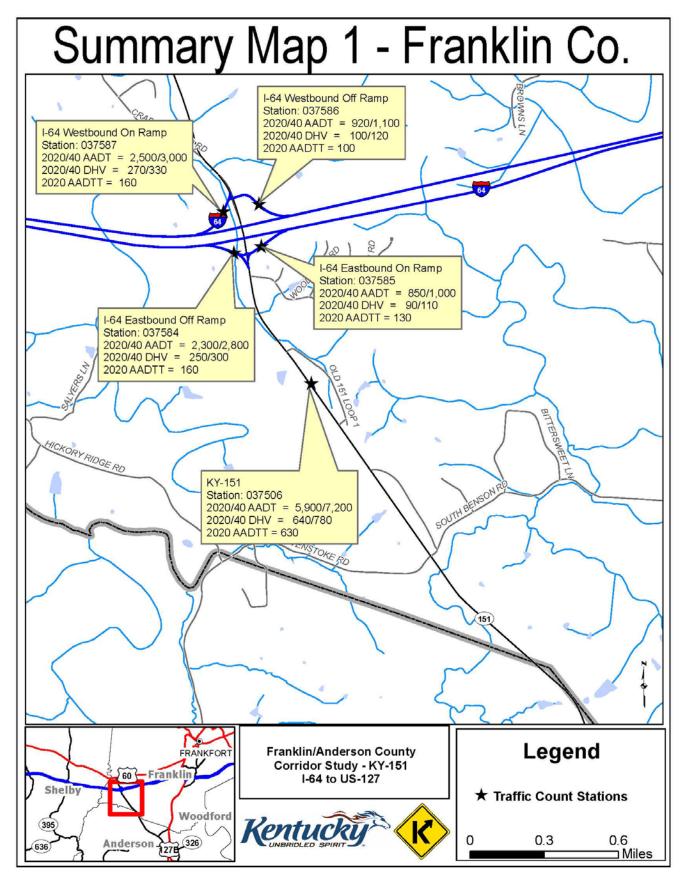
TRUCK VOLUME

The truck volumes were calculated using several 2017 classification special counts on the I-64 EB/WB Ramps and KY-151. A truck volume growth rate of 1.00% was used to estimate future truck volumes due to the freight movement in the area along KY-151.

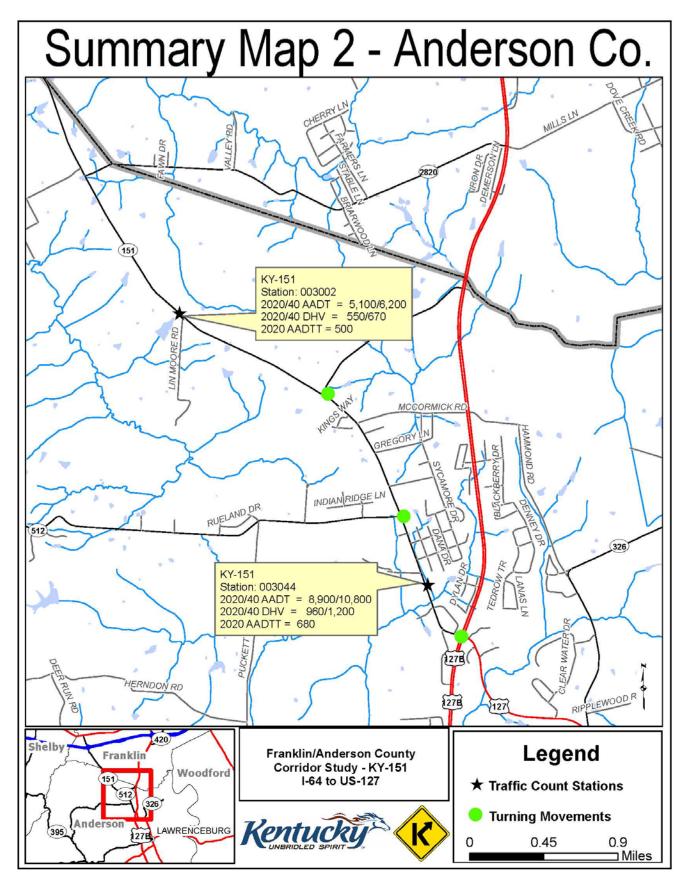
Since March 2016, KYTC and FHWA placed an emergency ban on Surface Transportation Assistance Act of 1982 (STAA) vehicles on route KY-151.

TURNING MOVEMENTS

Three turning movements were requested at the intersections of KY-151 at KY-512 (Old Frankfort Rd), KY-151 at KY-512 (Alton Station Rd), and KY-151 at US-127. Stantec provided the count information. It should be noted that significant traffic between each turning movement is present.



KYTC Division of Planning



	weinen Design Factors for KT	151 Corridor Scoping S	Study
Project information:		Route information	
Date of Forecast	02/28/2018	Route ID	037-1-0064 -111
Name of Forecaster	Justin Harrod	Road Name	Interstate 64
Item Number	05-0806.00] [Eastbound Off Ramp
County name	Franklin	BMP	0.1
County Number	37	EMP	0.1
District	5	Functional Class	6 - Rural Minor Arterial
Emars Number	9351501P	Total Lanes (both ways)	1
Function	FD04	1 or 2 way	One way
Fund		Pavement Type	Asphault
Project Type Current Year	RECONSTRUCTION 2018	Are Trucks Prohibited	NO
Letting Year		in a lane?	
Construction Year		Volume Informatio	n .
Concernance and concernance and concernance	truct Ky 151 From Us 127 At Lawrenceburg To I-	Volume ADT station	037584
64 In Franklin County.	add Ry 131 From 05 127 At Lawrenceburg 101-	Current year Volume	2221
,			
	ck Volume Information:		
Truck Count Station	037584	Truck % of ADT	7.1%
Truck Count Volume	157	FC Average Truck %	
Truck Count year	0		13.2%
Truck Volume in		% of Trucks in Design	100.004
Design Direction	160	Direction	100.0%
Truck Volume in Design	100	% of Trucks in Design	100.001
Lane of Design Direction	160	Lane of Design Direction	100.0%
AADTT	160	Truck Volume Growth Rate	1.0%
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	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 1 0.65%	Rura	Il Minor Arterial me Distribution Factors M 1 0.65% A 0 0.00%
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<u></u>	vement Design Factors for KY	-151 Corridor Scoping S	Study
Project information:		Route information	<u>i:</u>
Date of Forecast	02/28/2018	Route ID	037-1-0064 -121
Name of Forecaster	Justin Harrod	Road Name	Interstate 64
Item Number	05-0806.00		Eastbound On Ramp
County name	Franklin	BMP	0.1
County Number	37	EMP	0.1
District	5	Functional Class	6 - Rural Minor Arterial
Emars Number	9351501P	Total Lanes (both ways)	1
Function	FD04	1 or 2 way	One way
Fund	1100	Pavement Type	Asphault
Project Type	RECONSTRUCTION	Are Trucks Prohibited	NO
Current Year	2018	in a lane?	
Letting Year		Volumo Informatic	
Construction Year		Volume Information	
64 In Franklin County.	truct Ky 151 From Us 127 At Lawrenceburg To I-		037585 830
64 III Franklin County.		Current year Volume	030
	ck Volume Information:		
Truck Count Station	037585	Truck % of ADT	15.3%
Truck Count Volume	127	FC Average Truck %	2 1 June 1
Truck Count year	0		13.2%
Truck Volume in		% of Trucks in Design	
Design Direction	130	Direction	100.0%
Truck Volume in Design		% of Trucks in Design	
Lane of Design Direction	130	Lane of Design Direction	100.0%
AADTT	400	Truck Volume	
Distribution Factors	130 for Functional Class:	Growth Rate 6 - Rura	1.0% al Minor Arterial
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr	for Functional Class:ribution Factors by vehicle ClassVehicleTruckClassVolumeBus 4000.00%unit 5282821.26%unit 63728.35%unit 72720.47%ailer 821.57%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A	Al Minor Arterial ume Distribution Factors M 0 0.00% M 1 0.79% M 0 0.00% M 3 2.36% M 3 2.36%
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr	for Functional Class:ribution Factors by vehicle ClassVehicleTruckClassVolumeBus 4000.00%unit 5282821.26%unit 63728.35%unit 72720.47%ailer 821.57%ailer 934	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A	Al Minor Arterial ume Distribution Factors M 0 0.009 M 1 0.799 M 0 0.009 M 3 2.369 M 1 0.799 M 3 2.369 M 4 3.159
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr 6 or more axles, single tr	for Functional Class:ribution Factors by vehicle ClassVehicle Truck TruckClass Volume PercentBus 4000.00%unit 5282821.26%unit 63728.35%unit 72720.47%ailer 821.57%ailer 93425.98%ailer 1021.57%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A	Al Minor Arterial June Distribution Factors M 0 M 1 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 3 M 1 M 3 M 3 M 3 M 3 M 3 M 3 M 4 3 15% M 17
Daily Volume Dist Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, multi-tr	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 10 2 1 0.79%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A	Al Minor Arterial June Distribution Factors M 0 M 1 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 3 M 1 M 1 M 3 M 3 M 3 M 3 M 3 M 3 M 4 3 15% M 10 7.87%
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A	Al Minor Arterial June Distribution Factors AM 0 0 0.00% M 1 0.79% M 0 0.00% M 3 2.36% M 1 0.79% M 3 2.36% M 1 0.79% M 3 2.36% M 1 0.79% M 17 13.39% M 17 13.39% M 10 7.87% AM 13 10.24%
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% ailer 13 0 0.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F	Al Minor Arterial June Distribution Factors M 0 M 1 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 3 M 1 M 3 M 1 M 3 M 3 M 3 M 17 M 17 M 10 M 10 M 10 M 13 M 13 PM 7
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 10 2 1.57% ailer 11 0.79% ailer 12 0 0 0.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F	Al Minor Arterial ume Distribution Factors M 0 M 1 0 0.009 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 3 M 1 M 3 M 3 M 3 M 17 M 10 M 10 M 10 M 10 M 10 M 13 M 13 M 14 11.029
Distribution Factors of Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% ailer 13 0 0.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F	Al Minor Arterial June Distribution Factors M 0 M 1 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 3 M 1 M 3 M 1 M 3 M 1 M 3 M 17 M 13 M 10 M 13 M 13 PM 7 S.519 M 14
Distribution Factors of Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% ailer 13 0 0.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P	Al Minor Arterial June Distribution Factors M 0 M 1 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 0 M 3 M 1 M 3 M 1 M 3 M 1 M 3 M 1 M 17 M 13 M 10 M 13 M 13 M 14 M 14 M 16
Distribution Factors of Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 6 or more axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0 0.00% unit 5 28 21.26% unit 6 37 28 21.26% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 34 25.98% ailer 10 2 2 1.57% ailer 12 0 0 0.00% classes 130 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P	al Minor Arterial ume Distribution Factors VM 0 0.00% M 1 0.79% M 0 0.00% M 3 2.36% M 1 0.79% M 3 2.36% M 1 0.79% M 3 2.36% M 1 0.79% M 1 0.79% M 1 0.79% M 10 7.87% M 13 10.24% PM 7 5.519 M 14 11.029 M 14 11.029 M 16 12.60% M 11 8.66%
Distribution Factors of Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0 0.00% unit 5 28 21.26% unit 6 37 28 21.26% unit 7 27 20.47% ailer 8 2 1.57% ailer 10 2 2 1.57% ailer 12 0 0 0.00% ailer 13 0 0 0.00% classes 130 100.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P	al Minor Arterial Ime Distribution Factors M 0 0.009 M 1 0.799 M 0 0.009 M 3 2.369 M 1 0.799 M 3 2.369 M 10 7.879 M 13 10.249 PM 7 5.519 M 14 11.029 M 14 11.029 M 16 12.609 M 11 8.669
Distribution Factors of Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P	al Minor Arterial Jime Distribution Factors JM 0 0.009 M 1 0.799 M 0 0.009 M 3 2.369 M 1 0.799 M 3 2.369 M 1 0.799 M 3 2.369 M 1 0.799 M 17 13.399 M 17 13.399 M 10 7.879 AM 13 10.249 PM 7 5.519 M 14 11.029 M 16 12.609 M 11 8.669 M 7 5.519 M 1 0.799
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 12 0 0.00% ailer 13 0 0.00% classes 130 100.00% n:	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P	al Minor Arterial Jime Distribution Factors JM 0 0.009 M 1 0.799 M 0 0.009 M 3 2.369 M 1 0.799 M 3 2.369 M 1 0.799 M 3 2.369 M 17 13.399 M 17 13.399 M 10 7.879 AM 13 10.249 PM 7 5.519 M 14 11.029 M 16 12.609 M 11 8.669 M 7 5.519 M 1 0.799 M 3 2.369
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 0 12 AM to 1 A 1 1 1 AM to 2 A 2 2 2 AM to 3 A 3 3 3 AM to 4 A 4 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P 14 2 PM to 1 F 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P	al Minor Arterial Jme Distribution Factors JM 0 0.009 M 1 0.799 M 0 0.009 M 3 2.369 M 1 0.799 M 3 2.369 M 1 0.799 M 17 13.399 M 17 13.399 M 10 7.879 AM 13 10.249 PM 7 5.519 M 14 11.029 M 14 11.029 M 11 8.669 M 7 5.519 M 1 0.799 M 3 2.369 M 1 0.799
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or less axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information Total Coal Trucks as a Per	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% classes 130 100.00% classes 130 100.00% classes 130 100.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 0 12 AM to 1 A 1 1 1 AM to 2 A 2 2 2 AM to 3 A 3 3 3 AM to 4 A 4 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P	al Minor Arterial Ime Distribution Factors M 0 0.00% M 1 0.79% M 0 0.00% M 3 2.36% M 1 0.79% M 3 2.36% M 17 13.39% M 17 13.39% M 10 7.87% AM 13 10.24% PM 7 5.51% M 14 11.02% M 14 11.02% M 14 11.02% M 11 8.66% M 7 5.51% M 1 0.79% M 3 2.36% M 1 0.79% M 0 0.00%
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or less axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information Total Coal Trucks as a Per	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% classes 130 100.00% classes 130 100.00% classes 130 100.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P 20 8 PM to 9 P	al Minor Arterial Ime Distribution Factors M 0 0.00% M 1 0.79% M 0 0.00% M 3 2.36% M 1 0.79% M 3 2.36% M 17 13.39% M 17 13.39% M 10 7.87% AM 13 10.24% PM 7 5.51% PM 14 11.02% M 14 11.02% M 11 8.66% M 1 0.79% M 3 2.36% M 1 0.79% M 1 0.79% M 0 0.00%
Distribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or less axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle Coal Haul Information Total Coal Trucks as a Per	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 0 0.00% unit 5 28 21.26% unit 6 37 28.35% unit 7 27 20.47% ailer 8 2 1.57% ailer 9 34 25.98% ailer 10 2 1.57% ailer 11 1 0.79% ailer 12 0 0.00% classes 130 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P 20 8 PM to 9 P 21 9 PM to 10 F	al Minor Arterial Ime Distribution Factors M 0 0.00% M 1 0.79% M 0 0.00% M 3 2.36% M 1 0.79% M 3 2.36% M 17 13.39% M 17 13.39% M 10 7.87% AM 13 10.24% PM 7 5.51% PM 14 11.02% M 14 11.02% M 11 8.66% M 1 0.79% M 3 2.36% M 1 0.79% M 1 0.79% M 0 0.00% PM 0 0.00%

roject information:				Route i	information:		
Date of Forecast		02/28/2	018]	Route ID	037-1-0064	-131
Name of Forecaster		Justin H	arrod	1	Road Name	Interstate (64
Item Number		05-0806	5.00	1		Westbound Off	Ramp
County name		Frank	lin]	BMP	0.1	
County Number		37			EMP	0.1	
District	-	5			nctional Class	6 - Rural Minor A	Arterial
Emars Number		935150		Total Lane	s (both ways)	1	
Function		FD0	·		1 or 2 way	One way	
Fund		1100			vement Type	Asphault	i i
Project Type	R	ECONSTR		Are Truc	ks Prohibited	NO	
Current Year		2018		4	in a lane?		
Letting Year		2019		Volum	Information		
Construction Year Project Description: Recons		2020			e Information	037586	
64 In Franklin County.	ITUCI NY ISI FI	om US 127 A	a Lawrenceburg To I-		year Volume	903	
of in Frankin obarry.				Ourient	year volume	300	
ruck Count and Tru				-		10.00	
Truck Count Station		03758	36	Tru	uck % of ADT	10.9%	
Truck Count Volume		98		FC Ave	rage Truck %	40.00/	
Truck Count year		0				13.2%	
Truck Volume in		100		% 01 1 10	cks in Design Direction	100.0%	
Design Direction Truck Volume in Design		100		0/ -6	Trucks in Design	100.0%	
Lane of Design Direction		100	r -		Design Direction	100.0%	
Lane of Design Direction		100	·			100.070	
				Т	ruck Volume		
AADTT	for Functi	10 ional Cla			ruck Volume Growth Rate 6 - Rura	1.0% I Minor Arteria	
	ribution Fac	ional Cla tors by veh	i ss: iicle Class		Growth Rate 6 - Rura Hourly Volun	I Minor Arteria	al actors
istribution Factors	ribution Fact Vehicle	i onal Cla tors by veh Truck	i ss: iicle Class Truck	0	Growth Rate 6 - Rura Hourly Volun 12 AM to 1 AM	I Minor Arteria	al actors 1.04
istribution Factors	ribution Fact Vehicle Class	i onal Cla tors by veh Truck Volume	iss: iicle Class Truck Percent	0	Growth Rate 6 - Rura Hourly Volun 12 AM to 1 AM 1 AM to 2 AM	I Minor Arteria	al actors 1.04 1.04
istribution Factors f Daily Volume Dist	ribution Fact Vehicle Class Bus 4	i onal Cla tors by veh Truck Volume 0	iss: iicle Class Truck Percent 0.00%	0 1 2	Growth Rate 6 - Rura Hourly Volun 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM	I Minor Arteria ne Distribution F 1 1 0	al actors 1.04 1.04 0.00
istribution Factors f Daily Volume Dist 2 axle, 6 tire single	ribution Fact Vehicle Class Bus 4 unit 5	i onal Cla tors by veh Truck Volume	icle Class Truck Percent 0.00% 27.08%	0	Growth Rate 6 - Rura Hourly Volun 12 AM to 1 AM 1 AM to 2 AM	I Minor Arteria ne Distribution F 1 1 0 0	al actors 1.04 1.04 0.00
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single	ribution Fac Vehicle Class Bus 4 unit 5 unit 6	tors by veh Truck Volume 0 27	iss: iicle Class Truck Percent 0.00%	0 1 2 3	Growth Rate 6 - Rura Hourly Volun 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM	I Minor Arteria ne Distribution F 1 1 0 0 2	al 1.04 1.04 0.00 0.00 2.08
istribution Factors f Daily Volume Dist 2 axle, 6 tire single	ribution Fact Vehicle Class Bus 4 unit 5 unit 6 unit 7	tors by veh Truck Volume 0 27 46	ISS: Truck Percent 0.00% 27.08% 45.83%	0 1 2 3 4	Growth Rate 6 - Rura Hourly Volur 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM	I Minor Arteria ne Distribution F 1 1 0 0 2 2	al actors 1.04 1.04 0.00 0.00 2.08 2.08
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr	ribution Fac Vehicle Class Bus 4 unit 5 unit 6 unit 7 ailer 8 ailer 9	tors by veh Truck Volume 0 27 46 14	ISS: Truck Percent 0.00% 27.08% 45.83% 13.54%	0 1 2 3 4 5	Growth Rate 6 - Rura Hourly Volur 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM	I Minor Arteria ne Distribution F 1 1 0 0 2 2 3	al actors 1.04 1.04 0.00 0.00 2.08 2.08 3.13
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr 6 or more axles, single tr	ribution Fac Vehicle Class Bus 4 unit 5 unit 6 unit 7 ailer 8 ailer 9 ailer 10	tors by veh Truck Volume 0 27 46 14 3 9 1	ISS: Truck Percent 0.00% 27.08% 45.83% 13.54% 3.13% 9.38% 1.04%	0 1 2 3 4 5 6 7 8	Growth Rate 6 - Rura Hourly Volur 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM	I Minor Arteria ne Distribution F 1 0 0 2 2 3 14 6	al 1.04 1.04 0.00 0.00 2.08 2.08 3.13 13.5 6.25
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or less axles, multi-tr	ribution Fac Vehicle Class Bus 4 unit 5 unit 6 unit 7 ailer 8 ailer 9 ailer 10 ailer 11	tors by veh Truck Volume 0 27 46 14 3 9 1 0	ISS: Truck Percent 0.00% 27.08% 45.83% 13.54% 3.13% 9.38% 1.04% 0.00%	0 1 2 3 4 5 6 7 8 9	Growth Rate 6 - Rura Hourly Volun 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM	I Minor Arteria ne Distribution F 1 0 0 2 2 3 14 6 1 7	al actors 1.04 1.04 0.00 2.08 2.08 3.13 13.5 6.25 7.29
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr	ribution Fact Vehicle Class Bus 4 unit 5 unit 6 unit 7 ailer 8 ailer 9 ailer 10 ailer 11 ailer 12	tors by veh Truck Volume 0 27 46 14 3 9 1 0 0	ISS: Truck Percent 0.00% 27.08% 45.83% 13.54% 3.13% 9.38% 1.04% 0.00% 0.00%	0 1 2 3 4 5 6 7 8 9 10	Growth Rate 6 - Rural Hourly Volun 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 11 A	I Minor Arteria ne Distribution F 1 0 0 2 2 3 14 6 4 7 M 14	al actors 1.04 1.04 0.00 2.08 2.08 2.08 3.13 13.5 6.25 7.29 13.5
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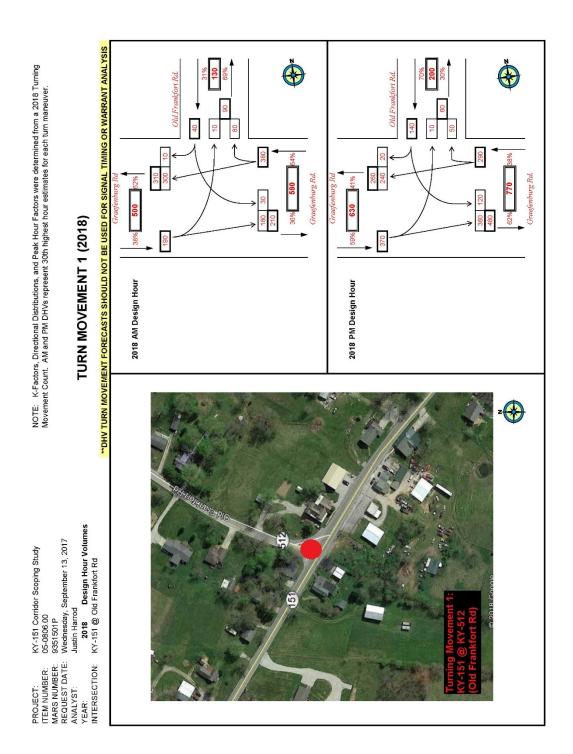
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oal Haul Information: 13 1 PM to 2 PM 16 9.80 14 2 PM to 3 PM 17 10.4 15 3 PM to 4 PM 12 7.19 16 4 PM to 5 PM 12 7.19 17 5 PM to 6 PM 5 3.27 18 6 PM to 7 PM 1 0.66 19 7 PM to 8 PM 0 0.00 20 8 PM to 9 PM 1 0.65	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 5 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi tra	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 624 15.03% unit 7 7 4.58% ailer 8 6 3.92% ailer 9 54 33.99% ailer 10 3 ailer 11 0 0 0.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A	Al Minor Arterial Ime Distribution Fa M 1 M 3 M 2 M 2 M 2 M 3 M 2 M 3 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15	0.659 1.969 1.319 1.319 1.969 9.809 8.509 5.889 5.239 9.159
Dail Haul Information: 14 2 PM to 3 PM 17 10.4 Total Annual Tonnage: N/A 15 3 PM to 4 PM 12 7.19 Total Annual Tonnage: N/A 16 4 PM to 5 PM 4 2.6° Daily Coal Trucks: 0 17 5 PM to 6 PM 5 3.27 Coal Trucks as a Percent of all Trucks: N/A 18 6 PM to 7 PM 1 0.66 19 7 PM to 8 PM 0 0.00 20 8 PM to 9 PM 1 0.65	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi tra 7 or more axles, multi-tra	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 62 4 16 24 15.03% unit 7 7 7 4.58% ailer 8 6 3 3.92% ailer 10 3 3 1.96% ailer 11 0 0 0.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 2 M 3 M 3 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8	0.655 1.965 1.319 1.319 1.965 9.805 8.505 5.885 5.235 9.155 5.235
Total Annual Tonnage: N/A Daily Coal Trucks: 0 Coal Trucks as a Percent of all Trucks: N/A N/A 15 3 PM to 4 PM 12 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 19 7 PM to 8 PM 20 8 PM to 9 PM 1 0.65	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi tra 7 or more axles, multi-tra	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 62 4 16 24 15.03% unit 7 7 7 4.58% ailer 8 6 3 3.92% ailer 10 3 3 1.96% ailer 11 0 0 0.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17	0.65 1.96 1.31 1.31 1.96 9.80 5.88 5.23 9.15 5.23 10.46
Total Annual Tonnage: N/A 16 4 PM to 5 PM 4 2.6' Daily Coal Trucks: 0 17 5 PM to 6 PM 5 3.2' Coal Trucks as a Percent of all Trucks: N/A 18 6 PM to 7 PM 1 0.6' 19 7 PM to 8 PM 0 0.00' 20 8 PM to 9 PM 1 0.6'	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 or more axles, single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 39.22% unit 6 24 15.03% unit 7 4.58% ailer 8 6 3.92% ailer 9 54 33.99% ailer 10 3 1.96% ailer 11 0 0.00% ailer 13 0 0.00% Classes 160	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17 M 16	0.655 1.965 1.315 1.315 1.965 9.806 8.506 5.885 5.235 9.155 5.235 10.46 9.806
Daily Coal Trucks: 0 17 5 PM to 6 PM 5 3.27 Coal Trucks as a Percent of all Trucks: N/A 18 6 PM to 7 PM 1 0.66 19 7 PM to 8 PM 0 0.00	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 or more axles, single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 39.22% unit 6 24 15.03% unit 7 4.58% ailer 8 6 3.92% ailer 9 54 33.99% ailer 10 3 1.96% ailer 11 0 0.00% ailer 13 0 0.00% Classes 160	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P 14 2 PM to 3 P	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 2 M 3 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17	0.65° 1.96° 1.31° 1.96° 1.96° 9.80° 8.50° 5.23° 9.15° 5.23° 10.46° 9.80° 10.46° 9.80°
Coal Trucks as a Percent of all Trucks: N/A 18 6 PM to 7 PM 1 0.65 19 7 PM to 8 PM 0 0.00 20 8 PM to 9 PM 1 0.65	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 5 or less axles, multi-tra 6 axles, multi tra 7 or more axles, multi-tra All Truck Vehicle oal Haul Information	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 624 15.03% unit 7 7 4.58% ailer 8 6 3.92% ailer 10 3 3.99% ailer 11 0 0.00% ailer 13 0 0 0.00% 160 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17 M 16 M 17 M 12	0.655 1.965 1.315 1.315 1.965 9.805 8.505 5.235 9.155 5.235 10.46 9.805 10.46 9.805 10.46 7.195
19 7 PM to 8 PM 0 0.00 20 8 PM to 9 PM 1 0.65	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 5 or less axles, single tra 7 or more axles, multi-tra 6 axles, multi-tra All Truck Vehicle total Haul Information	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 63 39.22% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 6 3.92% ailer 9 54 ailer 10 3 ailer 10 3 ailer 11 0 0 0.00% ailer 13 0 0 0.00% 160 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17 M 16 M 17 M 12 M 4	0.655 1.965 1.315 1.315 1.965 9.805 8.505 5.235 9.155 5.235 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 10
△ 20 8 PM to 9 PM 1 0.65	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra 6 axles, multi-tra All Truck Vehicle total Haul Information	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 62 15.03% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 6 3.92% ailer 9 54 ailer 10 3 ailer 11 0 0 0.00% ailer 13 0 0 0.00% Classes 160 100.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 2 M 3 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17 M 16 M 17 M 12 M 4 M 5	0.655 1.965 1.965 1.315 1.965 9.805 8.505 5.235 9.155 5.235 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 9.805 10.46 10
	stribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 5 or less axles, single tra 7 or more axles, single tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle total Haul Information	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 62 15.03% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 6 3.92% ailer 9 54 ailer 10 3 ailer 11 0 0 0.00% ailer 13 0 0 0.00% Classes 160 100.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 2 AM to 3 A 3 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 F 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P	Al Minor Arterial Ime Distribution Fa M 1 M 2 M 2 M 2 M 2 M 2 M 3 M 3 M 3 M 3 M 16 M 14 M 9 M 8 AM 15 PM 8 M 17 M 16 M 17 M 12 M 4 M 5 M 1	0.65° 1.96° 1.31° 1.96° 1.96° 9.80° 8.50° 5.88° 5.23° 9.15° 5.23° 10.46 9.80° 10.46 7.19° 2.61° 3.27° 0.65°
Kentucky 21 9 PM to 10 PM 2 1.3* 22 10 PM to 11 PM 1 0.65 23 11 PM to 12 AM 0 0.00	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra 6 axles, multi-tra All Truck Vehicle total Haul Information	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 62 15.03% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 6 3.92% ailer 9 54 ailer 10 3 ailer 11 0 0 0.00% ailer 13 0 0 0.00% Classes 160 100.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 P 13 1 PM to 2 P 14 2 PM to 1 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P	Al Minor Arterial Ime Distribution Fac M 1 M 2 M 2 M 2 M 2 M 2 M 3 M 16 M 14 M 9 M 16 M 15 PM 8 M 17 M 16 M 17 M 16 M 17 M 16 M 17 M 16 M 17 M 12 M 5 M 1 M 0	0.65° 1.96° 1.31° 1.96° 1.96° 9.80° 5.88° 5.23° 9.15° 5.23° 10.46 9.80° 10.46 7.19° 2.61° 3.27° 0.65° 0.00°
EXEMPTION CONTROL OF CONTROL O	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 or more axles, multi-tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra 6 axles, multi-tra 6 axles, multi-tra 6 axles, multi-tra 1 or more axles, multi-tra 6 axles, multi-tra 1 or more axles, multi-tra 1 or more axles, multi-tra 2 or less axles, multi-tra 3 or less axles, multi-tra 3 or less axles, multi-tra 3 or less axles, multi-tra 4 or less axles, multi-t	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 63 39.22% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 3.92% ailer 9 54 ailer 10 3 3 1.96% ailer 12 0 0 0.00% classes 160 100.00% 1 Classes 160 100.00% 1 Classes 0 0.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P 20 8 PM to 9 P	Al Minor Arterial Ime Distribution Fac M 1 M 3 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 16 M 14 M 9 M 16 M 14 M 9 M 16 M 17 M 17 M 12 M 4 M 5 M 1 M 0	0.655 1.965 1.310 1.310 1.965 9.805 5.885 5.235 9.155 5.235 10.46 7.195 2.615 3.275 0.655 0.005 0.655
KENTUCKY 23 11 PM to 12 AM 0 0.00	istribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 or more axles, multi-tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra 6 axles, multi-tra 6 axles, multi-tra 6 axles, multi-tra 1 or more axles, multi-tra 6 axles, multi-tra 1 or more axles, multi-tra 1 or more axles, multi-tra 2 or less axles, multi-tra 3 or less axles, multi-tra 3 or less axles, multi-tra 3 or less axles, multi-tra 4 or less axles, multi-t	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 63 39.22% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 3.92% ailer 9 54 ailer 10 3 3 1.96% ailer 12 0 0 0.00% classes 160 100.00% 1 Classes 160 100.00% 1 Classes 0 0.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 F 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P 20 8 PM to 9 P 21 9 PM to 10 F	Al Minor Arterial Ime Distribution Fac M 1 M 3 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 16 M 14 M 9 M 16 M 16 M 16 M 16 M 17 M 17 M 17 M 12 M 5 M 1 M 0 M 1 M 1	0.655 1.965 1.965 1.965 9.805 8.505 5.885 5.235 9.155 5.235 10.46 7.195 2.615 3.275 0.655 0.005 0.655 1.315
TRANSPORTATION CABINET UNBRIDLED SPIRIT	istribution Factors 1 Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tra 5 axles single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 5 or less axles, single tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle 0 al Haul Information Total	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 2 1.31% unit 5 63 63 39.22% unit 6 24 15.03% unit 7 7 4.58% ailer 8 6 3.92% ailer 9 54 ailer 10 3 3 1.96% ailer 12 0 0 0.00% classes 160 100.00% 1 Classes 160 100.00% 1 Classes 0 0.00% 100.00%	Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 A 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 A 11 11 AM to 12 A 12 12 PM to 1 P 13 1 PM to 2 P 14 2 PM to 3 P 15 3 PM to 4 P 16 4 PM to 5 P 17 5 PM to 6 P 18 6 PM to 7 P 19 7 PM to 8 P 20 8 PM to 9 P 21 9 PM to 10 F 22 10 PM to 11 F	Al Minor Arterial Ime Distribution Fac M 1 M 3 M 2 M 2 M 2 M 2 M 3 M 2 M 3 M 16 M 14 M 9 M 16 M 16 M 17 M 1 M 1 M 1 M 1 M 1 M 2 M 1 M 2	0.655 1.965 1.310 1.310 1.965 9.805 8.505 5.235 9.155 5.235 10.46 9.804 10.46 9.804 10.46 9.805 0.655 0.005 0.655 0.655 0.655

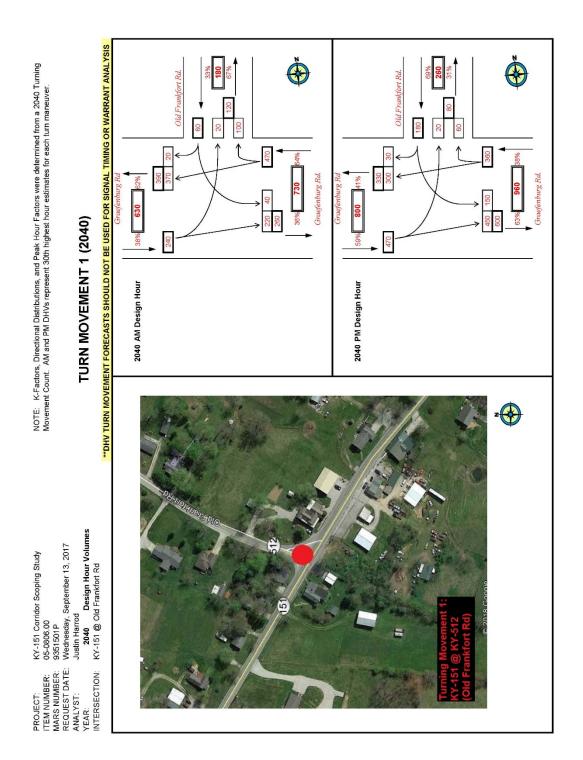
roject information:		Route information	1:	
Date of Forecast	02/28/2018	Route ID	037-KY-0151 -000)
Name of Forecaster	Justin Harrod	Road Name		
Item Number	05-0806.00		KY Highway 151	
County name	Franklin	BMP	0.000	
County Number	37	EMP	2.300	
District	5	Functional Class	6 - Rural Minor Arterial	
Emars Number	9351501P	Total Lanes (both ways)	3	
Function	FD04	1 or 2 way	Two way	
Fund	1100	Pavement Type	Asphault	
Project Type	RECONSTRUCTION	Are Trucks Prohibited	NO	
Current Year	2018	in a lane?		
Letting Year	2019			
Construction Year	2020	Volume Information	on:	
Project Description: Recons	truct Ky 151 From Us 127 At Lawrenceburg To I-	Volume ADT station	037506	
64 In Franklin County.		Current year Volume	5800	
	ck Volume Information:			
Truck Count Station	037506	Truck % of ADT	10.7%	
Truck Count Volume	618	FC Average Truck %	10.01	
Truck Count year	2014		13.2%	
Truck Volume in		% of Trucks in Design		
Design Direction	380	Direction	60.3%	
Truck Volume in Design		% of Trucks in Design		
Lane of Design Direction	342	Lane of Design Direction	90.0%	
AADTT	630 for Functional Class:		1.0% al Minor Arterial	
istribution Factors	for Functional Class: ribution Factors by vehicle Class	Growth Rate 6 - Rur Hourly Volu	al Minor Arterial	
istribution Factors	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck	Growth Rate 6 - Rur Hourly Volu 0 12 AM to 17	al Minor Arterial	0.339
istribution Factors	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class <u>Volume Percent</u>	Growth Rate 6 - Rur Hourly Vol 0 12 AM to 1 1 1 AM to 2 A	al Minor Arterial ume Distribution Factor AM 2 0 M 2 0).339).339
istribution Factors f Daily Volume Dist	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 20 3.10%	Growth Rate 6 - Rur Hourly Voli 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A	al Minor Arterial ume Distribution Factor AM 2 0 M 2 0 M 4 0).33°).33°).65°
istribution Factors Daily Volume Dist 2 axle, 6 tire single	for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 20 3.10% unit 5 187 29.69%	Growth Rate 6 - Rur Hourly Voli 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A	al Minor Arterial ume Distribution Factor AM 2 C M 2 C M 4 C M 6 C).339).339).659).989
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single	for Functional Class:ribution Factors by vehicle ClassVehicleTruckClassVolumePercentBus4203.10%unit518729.69%unit615624.80%	Growth Rate 6 - Rur Hourly Voli 0 12 AM to 1 / 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A	al Minor Arterial ume Distribution Factor AM 2 00 M 2 00 M 4 00 M 6 00 M 13 2).339).339).659).989 2.129
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single	for Functional Class:ribution Factors by vehicle ClassvehicleTruckClassVolumeBus4203.10%unit518729.69%unit615624.80%unit710216.15%	Growth Rate 6 - Rur Hourly Voli 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A	al Minor Arterial ume Distribution Factor AM 2 00 M 2 00 M 4 00 M 6 00 M 13 2 M 11 1	0.339 0.339 0.659 0.989 0.989 0.989 0.989
2 axle, 6 tire single 3 axles single 3	for Functional Class:ribution Factors by vehicle ClassvehicleTruckClassVolumeBus4203.10%unit518729.69%unit615624.80%unit710216.15%ailer891.47%	Growth Rate 6 - Rur Hourly Voli 0 12 AM to 1 / 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A	al Minor Arterial ume Distribution Factor AM 2 0 M 2 0 M 2 0 M 4 0 M 6 0 M 13 2 M 11 1 M 32 5).339).339).659).989).989 (.999 (.799 5.069
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr	For Functional Class: ribution Factors by vehicle Class vehicle Truck Class Volume Bus 4 20 3.10% unit 5 187 29.69% unit 6 156 24.80% unit 7 102 16.15% ailer 8 9 1.52	Growth Rate 6 - Rur Hourly Vol 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A	al Minor Arterial ume Distribution Factor AM 2 0 M 2 0 M 2 0 M 4 0 M 6 0 M 13 2 M 11 1 M 32 5 M 53 8	0.33° 0.33° 0.65° 0.98° 2.12° 1.79° 5.06° 3.48°
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr	For Functional Class: ribution Factors by vehicle Class vehicle Truck Truck Class Volume Percent Bus 4 20 unit 5 187 187 29.69% unit 6 156 unit 7 102 ailer 8 9 152 24.14% ailer 10 4	Growth Rate 6 - Rur Hourly Vol 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A	al Minor Arterial ume Distribution Factor AM 2 0 M 2 0 M 2 0 M 4 0 M 6 0 M 13 2 M 11 1 M 32 5 M 53 8 M 55 8	0.33° 0.33° 0.65° 0.98° 2.12° 1.79° 5.06° 3.48° 3.65°
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or less axles, multi-tr	For Functional Class: ribution Factors by vehicle Class vehicle Truck Truck Class Volume Percent Bus 4 20 unit 5 187 187 29.69% unit 6 156 unit 7 102 ailer 8 9 152 24.14% ailer 10 4 0 0.00%	Growth Rate 6 - Rur Hourly Volt 0 12 AM to 17 1 1 AM to 2 A 2 2 2 AM to 3 A 3 3 3 AM to 4 A 4 4 4 AM to 5 A 5 5 5 AM to 6 A 6 6 6 AM to 7 A 7 7 7 AM to 8 A 8 8 8 AM to 9 A 8	al Minor Arterial ume Distribution Factor AM 2 0 M 2 0 M 2 0 M 4 0 M 6 0 M 13 2 M 11 1 M 32 5 M 53 8 M 55 8 AM 58 5	0.339 0.339 0.659 0.989 0.989 0.989 0.989 0.989 0.990 0.149
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 6 or more axles, single tr	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 20 unit 5 187 187 29.69% unit 6 156 187 29.69% unit 7 102 16.15% ailer 8 9 152 24.14% ailer 10 4 0 0.00% ailer 12 0	Growth Rate 6 - Hourly Volt 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A	al Minor Arterial ume Distribution Factor AM 2 00 M 2 00 M 2 00 M 4 00 M 6 00 M 13 2 M 11 1 M 32 5 M 53 8 M 55 8 AM 58 9 AM 46 7	0.339 0.339 0.659 0.989 0.989 0.989 0.989 0.990 0.149 0.149 7.349
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr 5 axles single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 20 187 29.69% unit 5 187 186 24.80% unit 7 102 16.15% ailer 8 9 152 24.14% ailer 10 4 0 0.00% ailer 12 0 0 0.00%	Growth Rate 6 - Hourly Volt 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11	al Minor Arterial ume Distribution Factor AM 2 00 M 2 00 M 2 00 M 4 00 M 4 00 M 13 2 M 11 11 M 32 55 M 55 8 AM 58 9 AM 46 7 PM 43 6	0.339 0.339 0.659 0.989 2.129 1.799 5.069 3.489 3.659 9.149 7.349 5.859
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Percent Bus 4 20 3.10% unit 5 187 29.69% unit 6 156 24.80% unit 7 102 16.15% ailer 9 152 24.14% ailer 10 4 0.65% ailer 11 0 0.00% ailer 13 0 0 0.00% classes 630 100.00%	Growth Rate 6 - Hourly Volt 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 11 11 AM to 12	al Minor Arterial ume Distribution Factor AM 2 00 AM 2 00 AM 2 00 M 4 00 M 4 00 M 13 2 M 11 1 M 32 5 M 53 8 AM 55 8 AM 58 9 AM 46 7 PM 43 6	0.33 0.33 0.65 0.98
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Percent Bus 4 20 3.10% unit 5 187 29.69% unit 6 156 24.80% unit 7 102 16.15% ailer 9 152 24.14% ailer 10 4 0.65% ailer 11 0 0.00% ailer 13 0 0 0.00% classes 630 100.00%	Growth Rate 6 - Hourly Volt 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 11 11 AM to 12 12 12 PM to 16	al Minor Arterial ume Distribution Factor AM 2 00 M 2 00 M 2 00 M 4 00 M 4 00 M 13 2 M 11 1 M 53 8 M 55 8 AM 58 9 AM 46 7 PM 43 6 PM 52 8 M 52 8	0.339 0.339 0.659 0.989 2.129 2.129 5.069 3.489 3.659 0.149 7.349 5.859 3.329 0.799
istribution Factors f Daily Volume Dist 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles, single tr 5 axles, single tr 6 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr All Truck Vehicle	For Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Percent Bus 4 20 3.10% unit 5 187 29.69% unit 6 156 24.80% unit 7 102 16.15% ailer 9 152 24.14% ailer 10 4 0.65% ailer 11 0 0.00% ailer 13 0 0 0.00% classes 630 100.00%	Growth Rate 6 - Hourly Volt 0 12 AM to 17 1 1 AM to 2 A 2 2 AM to 3 A 3 3 AM to 4 A 4 4 AM to 5 A 5 5 AM to 6 A 6 6 AM to 7 A 7 7 AM to 8 A 8 8 AM to 9 A 9 9 AM to 10 A 10 10 AM to 11 11 11 AM to 12 12 12 PM to 16 13 1 PM to 2 F	al Minor Arterial ume Distribution Factor AM 2 0 AM 4 0 M 13 2 M 13 2 M 11 1 M 32 5 AM 53 8 AM 55 8 AM 58 9 AM 46 7 PM 43 6 PM 52 8 PM 52 8 PM 58 9).339).659).989 2.129 1.799 5.069 3.489 3.659 0.149 7.349 3.659 3.329 3.329 3.329 3.329 3.329
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roject information:		Route information:		
Date of Forecast	02/28/2018	Route ID	003-KY-0151 -000)
Name of Forecaster	Justin Harrod	Road Name		
Item Number	05-0806.00		KY Highway 151	
County name	Anderson	BMP	1.761	
County Number	3	EMP	4.587	
District	(0251501D	Functional Class	6 - Rural Minor Arterial	1
Emars Number Function	9351501P FD04	Total Lanes (both ways) 1 or 2 way	2 Two way	
Fund	1100	Pavement Type	Asphault	
Project Type	RECONSTRUCTION	Are Trucks Prohibited	NO	
Current Year	2018	in a lane?	NO	
Letting Year	2019	in a lane?		
Construction Year	2020	Volume Information	n:	
Crack and the set of the and the set of the	ruct Ky 151 From Us 127 At Lawrenceburg To I-	Volume ADT station	003002	
64 In Franklin County.	last ty to them of the value of the state of	Current year Volume	4970	
	ck Volume Information:	_		
Truck Count Station	003002	Truck % of ADT	9.9%	
Truck Count Volume	490	FC Average Truck %	21.15 DOM:N	
Truck Count year	2013		13.2%	
Truck Volume in		% of Trucks in Design		
Design Direction	301	Direction	60.3%	
Truck Volume in Design		% of Trucks in Design		
Lane of Design Direction	301	Lane of Design Direction	100.0%	
AADTT	500	Truck Volume	1.0%	
Deily Malance Dist				
Deily Malance Dist				
Daily Volume Distr	ibution Factors by vehicle Class		ne Distribution Factor	
Daily Volume Distr	Vehicle Truck Truck	0 12 AM to 1 AM	И 2 0	0.41
	Vehicle Truck Truck Class Volume Percent	0 12 AM to 1 AM 1 1 AM to 2 AM	M 2 0	0.41° 0.00°
	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM	M 2 0 1 0 0 1 3 0	0.41 0.00 0.61
2 axle, 6 tire single	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM	1 2 0 1 0 0 1 3 0 1 2 0	0.41 0.00 0.61 0.41
2 axle, 6 tire single 3 axles single	VehicleTruckTruckClassVolumePercentBus4102.04%unit520541.02%unit610521.02%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 AM to 5 AM	2 0 1 0 0 1 3 0 1 2 0 1 5 7	0.41 0.00 0.61 0.41 1.02
2 axle, 6 tire single 3 axles single 4 or more axles, single	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 AM to 5 AM 5 5 AM to 6 AM	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 AM to 7 AM 7 7 AM to 8 AM	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41° 0.00° 0.61° 0.41° 1.02° 2.24° 5.10°
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 7.76
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM 9 9 AM to 10 AM	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 7.76 2.45
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00%	0 12 AM to 1 AM 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM 9 9 AM to 10 AM 10 AM to 11 A	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 7.76 2.45 5.94
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi tra 7 or more axles, multi-tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% ailer 13 0 0.00%	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 P 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 7.76 2.45 5.94 5.94 5.33
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi tra	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% ailer 13 0 0.00%	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 12 P 12 PM to 1 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 7.76 2.45 5.33 7.76 5.33 7.55
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% ailer 13 0 0.00% Classes 500 100.00%	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 12 P 12 PM to 1 PM 13 1 PM to 2 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 7.76 2.45 5.39 7.76 5.39 7.76 7.55 7.14
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% ailer 13 0 0.00% Classes 500 100.00%	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 9 AM to 10 AM 10 AM to 12 PM 12 PM to 1 PM 13 1 PM to 2 PM 14 2 PM to 3 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.411 0.00 0.61 0.41 1.02 2.24 5.10 2.45 5.10 2.45 5.394 7.76 2.45 3.94 7.55 7.55
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle coal Haul Information	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00%	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 12 PM 12 PM to 1 PM 13 1 PM to 2 PM 14 2 PM to 3 PM 15 3 PM to 4 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 9.39 7.76 2.45 2.45 3.94 3.33 3.33 7.55 7.14 9.59 7.14
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or less axles, single tra 6 or less axles, single tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle coal Haul Information	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00%	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 12 PM 12 PM to 1 PM 13 1 PM to 2 PM 14 2 PM to 3 PM 15 3 PM to 4 PM 16 4 PM to 5 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 1.02 2.24 5.10 9.39 9.39 9.39 7.76 5.94 5.94 7.76 7.14 9.59 7.14 4.69
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, single tra 6 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle toal Haul Information	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% 1 : Annual Tonnage: N/A Daily Coal Trucks: 0 0	 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 PM 12 PM to 3 PM 15 3 PM to 4 PM 4 PM to 5 PM 5 PM to 6 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 1.02 2.44 5.10 9.39 9.39 9.39 9.39 9.39 9.39 7.76 2.45 5.10 9.39 9.39 9.39 9.39 9.39 9.39 9.41 1.02 2.44 5.10 9.39 9.39 9.39 9.39 9.39 9.39 9.39 9.39 9.41 1.02 2.45 5.10 0.51 1.02 2.45 5.10 0.51 1.02 2.45 5.10 0.51 1.02 2.45 5.10 0.55 5.10 0.55 7.76 1.44 1.55 5.10 0.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.55 5.55 1.44 1.45 1
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or less axles, single tra 6 or less axles, single tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle coal Haul Information	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% 1 : Annual Tonnage: N/A Daily Coal Trucks: 0 0	 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 8 AM to 9 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 PM 12 PM to 1 PM 13 1 PM to 2 PM 14 2 PM to 3 PM 15 3 PM to 4 PM 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 1.02 2.24 5.10 9.39 7.76 2.45 5.30 7.76 5.31 7.14 4.69 5.31 2.45
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or less axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle Dal Haul Information	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% 1 : Annual Tonnage: N/A Daily Coal Trucks: 0 0	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 9 AM to 10 AM 10 AM to 12 PM 12 PM to 1 PM 13 1 PM to 2 PM 14 2 PM to 3 PM 15 3 PM to 4 PM 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 19 7 PM to 8 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 7.76 2.45 5.33 7.76 2.45 5.33 7.55 7.14 4.69 5.31 2.45 1.43
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or less axles, single tra 6 or more axles, single tra 7 or more axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle 5 ot Haul Information Total Coal Trucks as a Per	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% Classes 500 100.00% Classes 500 100.00% Classes 0 0 coally Coal Trucks: 0 0 cent of all Trucks: N/A 0	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 PM 12 PM to 1 PM 13 1 PM to 2 PM 14 2 PM to 3 PM 15 3 PM to 4 PM 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 19 7 PM to 8 PM 20 8 PM to 9 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 9.39 7.76 2.45 5.394 7.76 2.45 5.33 7.55 7.14 4.69 5.31 2.45 5.31 2.45 5.31 2.45 5.31 2.45 5.31 5.55
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle Dal Haul Information Total	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% Classes 500 100.00% Classes 500 100.00% Classes 0 0 coally Coal Trucks: 0 0 cent of all Trucks: N/A 0	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 PH 12 PM to 1 PM 13 PM to 5 PM 14 2 PM to 5 PM 15 3 PM to 6 PM 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 19 7 PM to 8 PM 20 8 PM to 9 PM 21 9 PM to 10 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.41 0.00 0.61 0.41 1.02 2.24 5.10 0.39 7.76 2.45 3.33 3.33 7.55 7.14 9.59 7.14 4.69 5.31 1.43 0.82 0.82
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle 0 al Haul Information Total Coal Trucks as a Per	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% Classes 500 100.00% Classes 500 100.00% Classes 0 0 coally Coal Trucks: 0 0 cent of all Trucks: N/A 0	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 PM 12 PM to 1 PM 13 PM to 5 PM 15 3 PM to 6 PM 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 19 7 PM to 8 PM 20 8 PM to 9 PM 21 9 PM to 10 PM 21 0 PM to 11 P 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.411 0.00 0.611 0.411 1.02 2.24 5.10 2.45 5.10 2.45 5.10 2.45 5.39 3.33
2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tra 5 axles single tra 6 or more axles, single tra 5 or less axles, multi-tra 6 axles, multi-tra 7 or more axles, multi-tra All Truck Vehicle 0al Haul Information Total Coal Trucks as a Per	Vehicle Truck Truck Class Volume Percent Bus 4 10 2.04% unit 5 205 41.02% unit 6 105 21.02% unit 6 105 21.02% unit 7 34 6.73% ailer 8 2 0.41% ailer 9 138 27.55% ailer 10 5 1.02% ailer 11 1 0.20% ailer 12 0 0.00% Classes 500 100.00% 1 : Annual Tonnage: N/A Daily Coal Trucks: 0 0	 0 12 AM to 1 AM 1 AM to 2 AM 2 AM to 3 AM 3 AM to 4 AM 4 AM to 5 AM 5 5 AM to 6 AM 6 AM to 7 AM 7 AM to 8 AM 9 AM to 10 AM 10 AM to 11 A 11 AM to 12 PH 12 PM to 1 PM 13 PM to 5 PM 14 2 PM to 5 PM 15 3 PM to 6 PM 16 4 PM to 5 PM 17 5 PM to 6 PM 18 6 PM to 7 PM 19 7 PM to 8 PM 20 8 PM to 9 PM 21 9 PM to 10 PM 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	rs 0.419 0.009 0.619 0.419 1.02 2.249 5.109 0.399 0.399 0.399 0.399 0.399 0.399 0.599 7.769 0.599 7.769 0.599 7.769 0.399 0.599 7.769 0.599

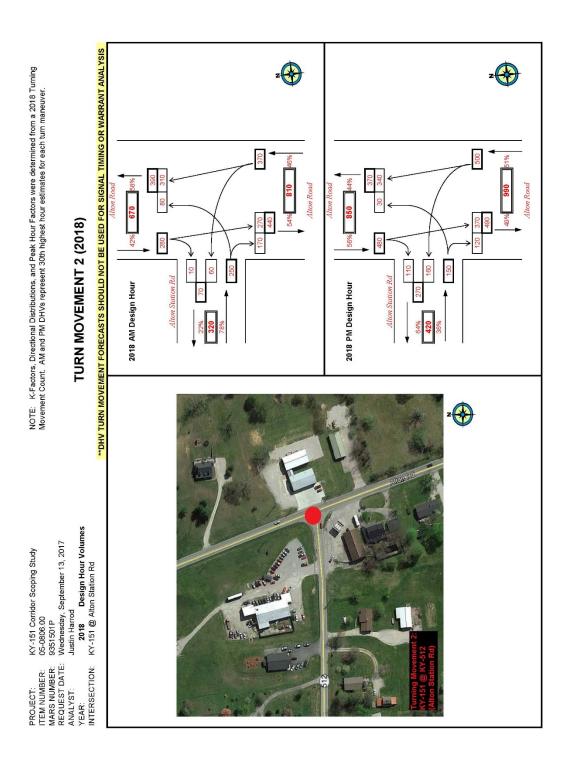
oject information:		Route information:		
Date of Forecast	02/28/2018	Route ID	003-KY-0151	-000
Name of Forecaster	Justin Harrod	Road Name		
Item Number	05-0806.00	7 1	KY Highway	151
County name	Anderson	BMP	0.000	
County Number	3	EMP	1.761	
District	7	Functional Class	6 - Rural Minor A	rterial
Emars Number	9351501P	Total Lanes (both ways)	2	
Function	FD04	1 or 2 way	Two way	
Fund	1100	Pavement Type	Asphault	
Project Type	RECONSTRUCTION	Are Trucks Prohibited	NO	
Current Year	2018	in a lane?		
Letting Year	2019			
Construction Year	2020	Volume Informatio	n:	
Project Description: Reconst	truct Ky 151 From Us 127 At Lawrenceburg To I-	Volume ADT station	003044	
64 In Franklin County.		Current year Volume	8680	
uck Count and True	ck Volume Information: 003044		7.7%	
Truck Count Station	667		1.1%	
	2014	FC Average Truck %	13.2%	
Truck Count year Truck Volume in	2014	% of Trucks in Design	13.2%	
	410	% of Trucks in Design Direction	60.3%	
Design Direction Truck Volume in Design	410		00.3%	
	110	% of Trucks in Design Lane of Design Direction	100.00/	
ane of Design Direction			100.0%	
AADTT	680 for Functional Class:	Truck Volume Growth Rate	100.0% 1.0% I Minor Arteria	1
AADTT stribution Factors	680 for Functional Class: ribution Factors by vehicle Class	Truck Volume Growth Rate 6 - Rura Hourly Volu	1.0% I Minor Arteria me <u>Distribution Fa</u>	actors
AADTT stribution Factors	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck	Truck Volume Growth Rate 6 - Rura Hourly Volume 0 12 AM to 1 Am	1.0% I Minor Arteria me Distribution Fa M 2	actors 0.309
AADTT stribution Factors 1 Daily Volume Distr	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class <u>Volume Percent</u>	Truck Volume Growth Rate 6 - Rura Hourly Volum 0 12 AM to 1 AM 1 1 AM to 2 AM	1.0% I Minor Arteria me Distribution Fa M 2 1 2	actors 0.309 0.309
AADTT stribution Factors f	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 41 5.97%	Truck Volume Growth Rate6- RuraHourly Volume 012 AM to 1 AM 111 AM to 2 AM 222 AM to 3 AM	1.0% I Minor Arteria me Distribution Fa M 2 1 2 1 4	actors 0.309 0.309 0.609
AADTT stribution Factors f Daily Volume Distr 2 axle, 6 tire single	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 41 5.97% unit 5 223 32.84%	Truck Volume Growth Rate6- RuraHourly Volum012 AM to 1 AM11 AM to 2 AM22 AM to 3 AM33 AM to 4 AM	1.0% I Minor Arteria me Distribution Fa M 2 1 2 1 4 1 2	actors 0.309 0.309 0.609 0.309
AADTT stribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 41 5.97% unit 5 223 32.84% unit 6 104 15.22%	Truck Volume Growth Rate6-Hourly Volum012 AM to 1 AI11 AM to 2 AM22 AM to 3 AM33 AM to 4 AM44 AM to 5 AM	1.0% I Minor Arteria me Distribution Fa M 2 1 2 1 4 1 2 1 6	actors 0.309 0.309 0.609 0.309 0.309
AADTT stribution Factors 1 Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single	680for Functional Class:ribution Factors by vehicle ClassVehicleTruckClassVolumePercentBus445.97%unit522332.84%unit610415.22%unit7578.36%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM	1.0% I Minor Arteria me Distribution Fa M 2 1 2 1 4 1 2 1 6 1 14	actors 0.309 0.609 0.309 0.309 2.099
AADTT stribution Factors 1 Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single 3-4 axles, single tr	680for Functional Class:ribution Factors by vehicle ClassVehicleTruckClassVolumePercentBus445.97%unit522332.84%unit610415.22%unit7578.36%ailer8101.49%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM	1.0% I Minor Arteria me Distribution Fa M 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2	actors 0.309 0.609 0.309 0.909 2.099 3.739
AADTT stribution Factors f Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 axles single tr	680for Functional Class:ribution Factors by vehicle ClassVehicleTruckClassVolumePercentBus445.97%unit522332.84%unit610415.22%unit7578.36%ailer8101.49%ailer923634.63%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM	1.0% I Minor Arteria me Distribution Fa M 2 M 2 M 2 M 4 M 2 M 6 M 14 M 25 M 51	actors 0.309 0.609 0.309 0.309 2.099 3.739 7.469
AADTT stribution Factors 1 Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 axles single tr 5 or more axles, single tr	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Bus 4 41 5.97% unit 5 223 32.84% unit 6 104 15.22% unit 7 57 8.36% ailer 8 10 1.49% ailer 9 236 34.63% ailer 10 9 1.34%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM	1.0% I Minor Arteria me Distribution Fa M 2 M 2 M 4 M 2 M 6 M 14 M 25 M 51 M 49	actors 0.309 0.609 0.309 0.909 2.099 3.739 7.469 7.169
AADTT stribution Factors 1 Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 axles single tr 5 or more axles, single tr 5 or more axles, single tr 5 or less axles, multi-tr	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Bus 4 41 5.97% unit 5 223 32.84% unit 6 104 15.22% unit 7 57 8.36% ailer 8 10 1.49% ailer 9 236 34.63% ailer 10 9 1.34% ailer 11	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM 9 9 AM to 10 AM	1.0% I Minor Arteria me Distribution Fa M 2 M 2 M 2 M 4 M 2 M 6 M 14 M 25 M 51 M 49 M 52	actors 0.309 0.609 0.309 0.909 2.099 3.739 7.469 7.169 7.619
AADTT stribution Factors 1 Daily Volume District 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Class Volume Bus 4 41 5.97% unit 5 223 32.84% unit 6 104 15.22% unit 7 57 8.36% ailer 8 10 1.49% ailer 9 236 34.63% ailer 10 9 1.34% ailer 1 0 0.00%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 0 12 AM to 1 AI 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM 9 9 AM to 10 AI 10 10 AM to 11 A	1.0% I Minor Arteria me Distribution Fa M 2 M 2 M 4 M 2 M 4 M 2 M 5 M 52 M 47	actors 0.30° 0.60° 0.30° 0.90° 3.73° 7.46° 7.16° 7.61° 6.87°
AADTT stribution Factors 1 Daily Volume District 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr 7 or more axles, multi-tr	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 1 5.97% unit 5 223 32.84% unit 6 104 15.22% unit 7 57 8.36% ailer 8 10 1.49% ailer 9 236 34.63% ailer 10 9 1.34% ailer 11 0 0.00% ailer 12 1 0.15% ailer 13 0 0.00%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 AM to 2 AN 2 2 AM to 3 AN 3 3 AM to 4 AN 4 4 AM to 5 AN 5 5 AM to 6 AN 6 6 AM to 7 AN 7 7 AM to 8 AN 8 8 AM to 9 AN 9 9 AM to 10 AI 10 10 AM to 11 A 11 11 AM to 12 F	1.0% I Minor Arteria me Distribution Fa M 2 M 2 M 4 M 2 M 4 M 5 M 52 M 47 M 57	actors 0.30° 0.60° 0.90° 2.09° 3.73° 7.46° 7.16° 7.61° 6.87° 8.36°
AADTT stribution Factors 1 Daily Volume District 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or more axles, single tr 5 or less axles, multi-tr 6 axles, multi tr	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 1 5.97% unit 5 223 32.84% unit 6 104 15.22% unit 7 57 8.36% ailer 8 10 1.49% ailer 9 236 34.63% ailer 10 9 1.34% ailer 11 0 0.00% ailer 12 1 0.15% ailer 13 0 0.00%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM 9 9 AM to 10 AI 10 10 AM to 11 A 11 11 AM to 12 P 12 12 PM to 1 P	1.0% I Minor Arteria me Distribution Fa 0 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 1 2 1 1 2 1 4 2 1 4 2 1 2 1 4 51 4 52 M 57 39	actors 0.30° 0.60° 0.90° 2.09° 3.73° 7.46° 7.16° 7.61° 6.87° 8.36° 5.67°
AADTT stribution Factors 1 Daily Volume Distr 2 axle, 6 tire single 3 axles single 4 or more axles, single tr 5 axles single tr 5 or more axles, single tr 5 or less axles, single tr 5 or less axles, multi-tr 6 axles, multi-tr 7 or more axles, multi-tr All Truck Vehicle	680 for Functional Class: ribution Factors by vehicle Class Vehicle Truck Truck Class Volume Percent Bus 4 41 5.97% unit 5 223 32.84% unit 6 104 15.22% unit 7 57 8.36% ailer 8 10 1.49% ailer 9 236 34.63% ailer 10 0.00% ailer ailer 12 1 0.15% ailer 13 0 0.00% Classes 680 100.00%	Truck Volume Growth Rate 6 - Rura Hourly Volu 0 12 AM to 1 AI 1 1 AM to 2 AM 2 2 AM to 3 AM 3 3 AM to 4 AM 4 4 AM to 5 AM 5 5 AM to 6 AM 6 6 AM to 7 AM 7 7 AM to 8 AM 8 8 AM to 9 AM 9 9 AM to 10 AI 10 10 AM to 11 AI 11 11 AM to 12 PI 12 12 PM to 1 PI 13 1 PM to 2 PI	1.0% I Minor Arteria me Distribution Fa M 2 M 2 M 4 M 2 M 4 M 52 M 51 M 52 M 47 M 57 M 39 M 62	actors 0.309 0.609 0.909 2.099 7.469 7.469 7.469 7.469 7.619 6.879 8.369 5.679 9.109
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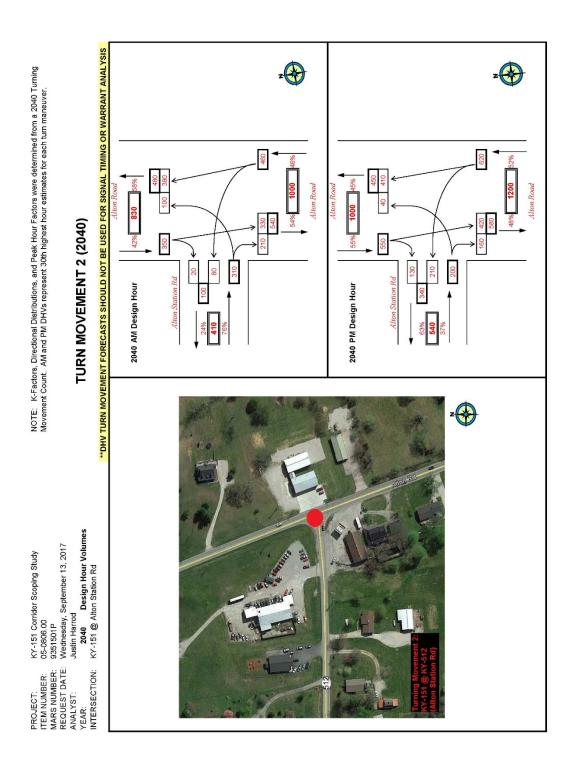
TURNING MOVEMENT 1 KY-151 @ KY-512 (Old Frankfort Rd)



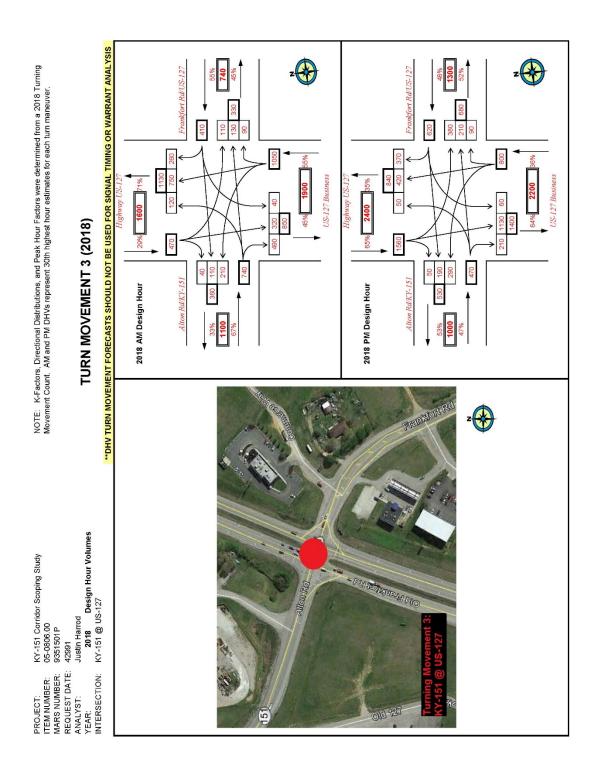


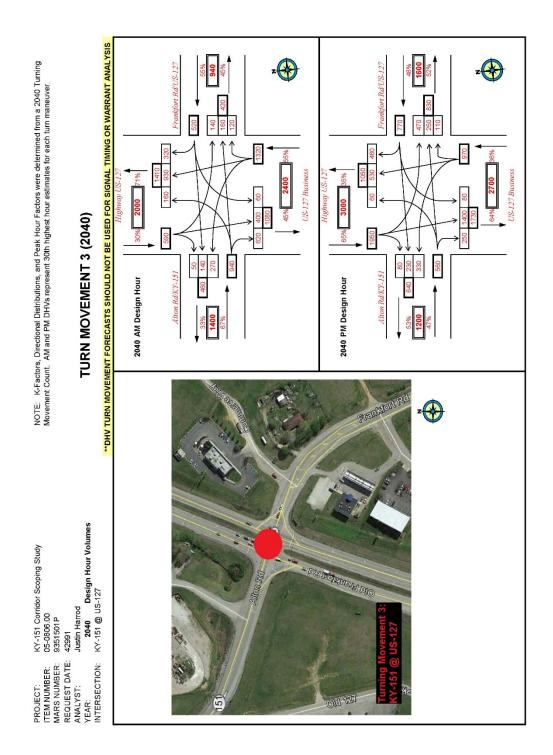
TURNING MOVEMENT 2 KY-151 @ KY-512 (Alton Station Rd)





TURNING MOVEMENT 3 KY-151 @ US-127





Bicycle and Pedestrian Review for Project #05-0806.00

Project Overview:

Planning study for the reconstruction of KY-151 from US-127 in Lawrenceburg to I-64 in Franklin County.

Local/regional Planning:

No known local government planning specific for bicycle or pedestrian travel accommodations

Existing conditions:

• KY-151

Franklin County Section (MP 0.00-2.14)

- a. ADT is 5090
- b. Posted speed limit is 55MPH
- c. Heavy truck ADT is 12% (654)
- d. Rural cross section design
- e. Paved shoulder space less than 4 feet
- f. Bicycle estimated activity is moderate to low (Strava Heat Map Figure 1)
- g. Pedestrian estimated activity is low (Strava Heat Map Figure 2)
- h. The Bicycle Comfort Index average rating is a level D

Anderson County section (MP 0.0-4.57)

- a. ADT range is 4580-7230
- b. Posted speed limit is 45MPH (MP 0.0-1.47), 35MPH (MP 1.47-1.84), and 55 MPH (MP 1.84-4.57)
- c. Rural cross section design
- d. Heavy truck ADT is 15-16% (765-1136)
- e. Mixed residential and commercial development
- f. Bicycle estimated activity is low (Strava Heat Map 1)
- g. Pedestrian estimated activity is moderate to high (Strava Heat Map Figure 2)
- h. Paved shoulder space 5' or greater (MP 0.0-0.469), paved shoulder less than 4' (MP 0.469-4.57)
- i. The Bicycle Comfort Index average rating is a level D

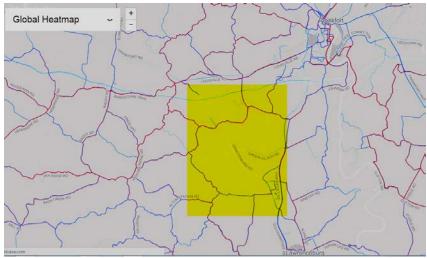


Figure 1 / Strava Bicycle Travel Heat Map with moderate estimated activity: https://labs.strava.com/heatmap/#12.00/-84.96077/38.11125/bluered/ride

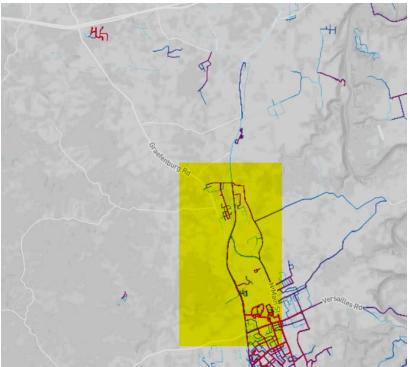


Figure 2 / Strava Pedestrian Travel Heat map with moderate to high estimated activity (southern portion of project area): <u>https://labs.strava.com/heatmap/#12.00/-</u>84.94051/38.07721/bluered/run

The KYTC Bicycle and Pedestrian program team recommendations are:

KY-151:

Franklin County (MP 0.0-2.14)

Best:

Construct an 8' (or wider) paved shoulder along both sides of the roadway from MP 0.0-2.14. Provide a 10' gap space within the rumble strip every 40-50' (Figure 3). This would serve the current and future planned residential and commercial development for bicycle and pedestrian travel (including ADA access). The BCI average would improve to a level C.

Good:

Construct a 6' (or wider) paved shoulder along both sides of the roadway from MP 0.0-2.14. Provide a 10' gap space within the rumble strip every 40-50' (Figure 3). This would serve the current and future planned residential and commercial development for bicycle and pedestrian travel (including ADA access). The BCI average would improve to a level C.

Anderson County (MP 0.0-4.57)

Best:

Construct 5' (or wider) sidewalks along both sides of the roadway from MP 0.0-1.988 (residential development with moderate to high pedestrian activity). Construct an 8' (or wider) paved shoulder along both sides of the roadway for MP 1.989-4.57. Provide a 10' gap space within the rumble strip every 40-50' (Figure 3). This would serve the current and future planned residential and commercial development for bicycle and pedestrian travel (including ADA access). The BCI average would improve to a level C.

Good:

Construct a 5' (or wider) sidewalk along the cardinal direction (eastern side) of the roadway from MP 0.0-1.988 (residential development with moderate to high pedestrian activity). Construct a 6' (or wider) paved shoulder along both sides of the roadway for MP 1.989-4.57. Provide a 10' gap space within the rumble strip every 40-50' (Figure 3). This would serve the current and future planned residential and commercial development for bicycle and pedestrian travel (including ADA access). The BCI average would improve to a level C.

Fair:

Construct a 4' (or wider) paved shoulder along both sides of the roadway from MP 0.469-4.57. This would serve the current and future planned residential and commercial development for pedestrian travel (including ADA access). The BCI average would remain a level D.

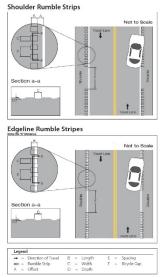


Figure 3 / https://safety.fhwa.dot.gov/roadway_dept/pavement/rumble_strips/t504039/

- 1 BCI:<u>http://transportation.ky.gov/Bike-</u> Walk/Documents/Bicycle%20Comfort%20Index%20Rating%20_%202014.pdf
- 2 KYTC Pedestrian and Bicycle Travel Policy: <u>http://transportation.ky.gov/Bike-Walk/Documents/KYTC%20Pedestrian%20and%20Bicycle%20Travel%20Policy%20%20</u> 2002.pdf

Prepared by: **Troy Hearn, Bicycle & Pedestrian Program Coordinator Division of Planning, <u>www.transportation.ky.gov/Bike-Walk</u> Kentucky Transportation Cabinet March 7, 2018**