

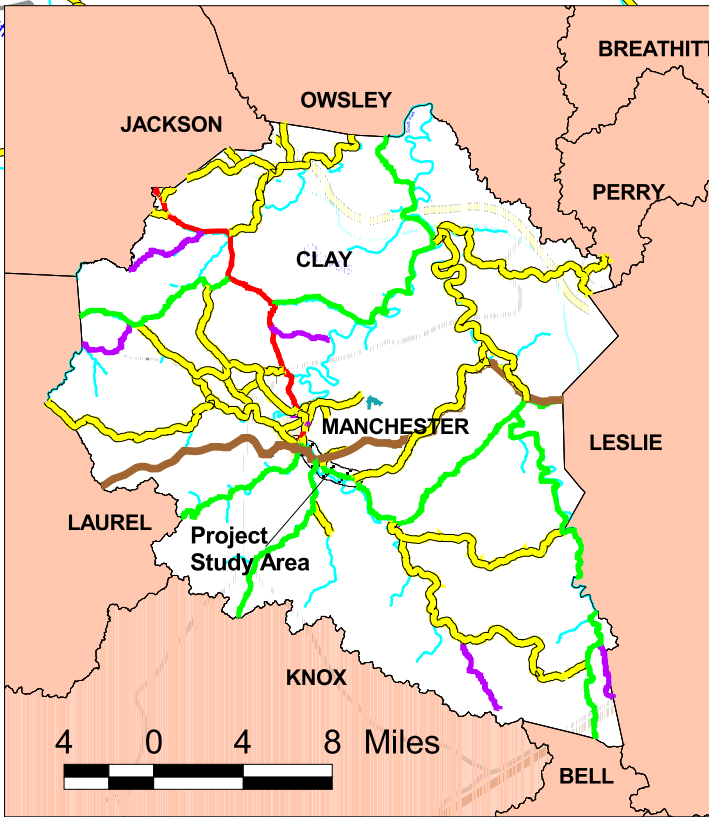
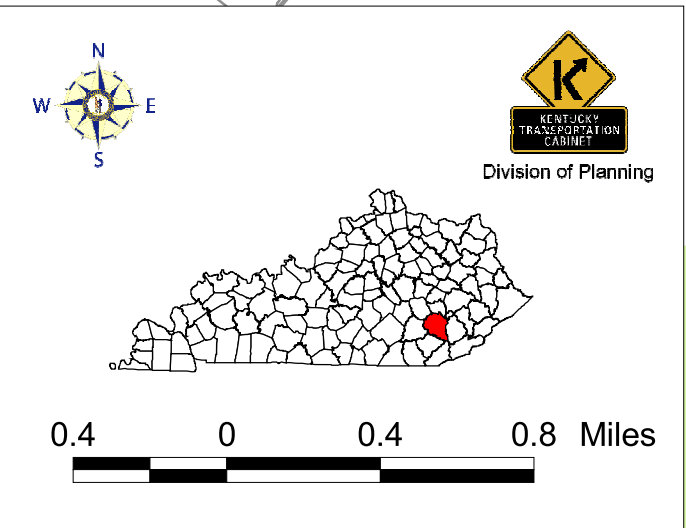
Project Location

Clay County

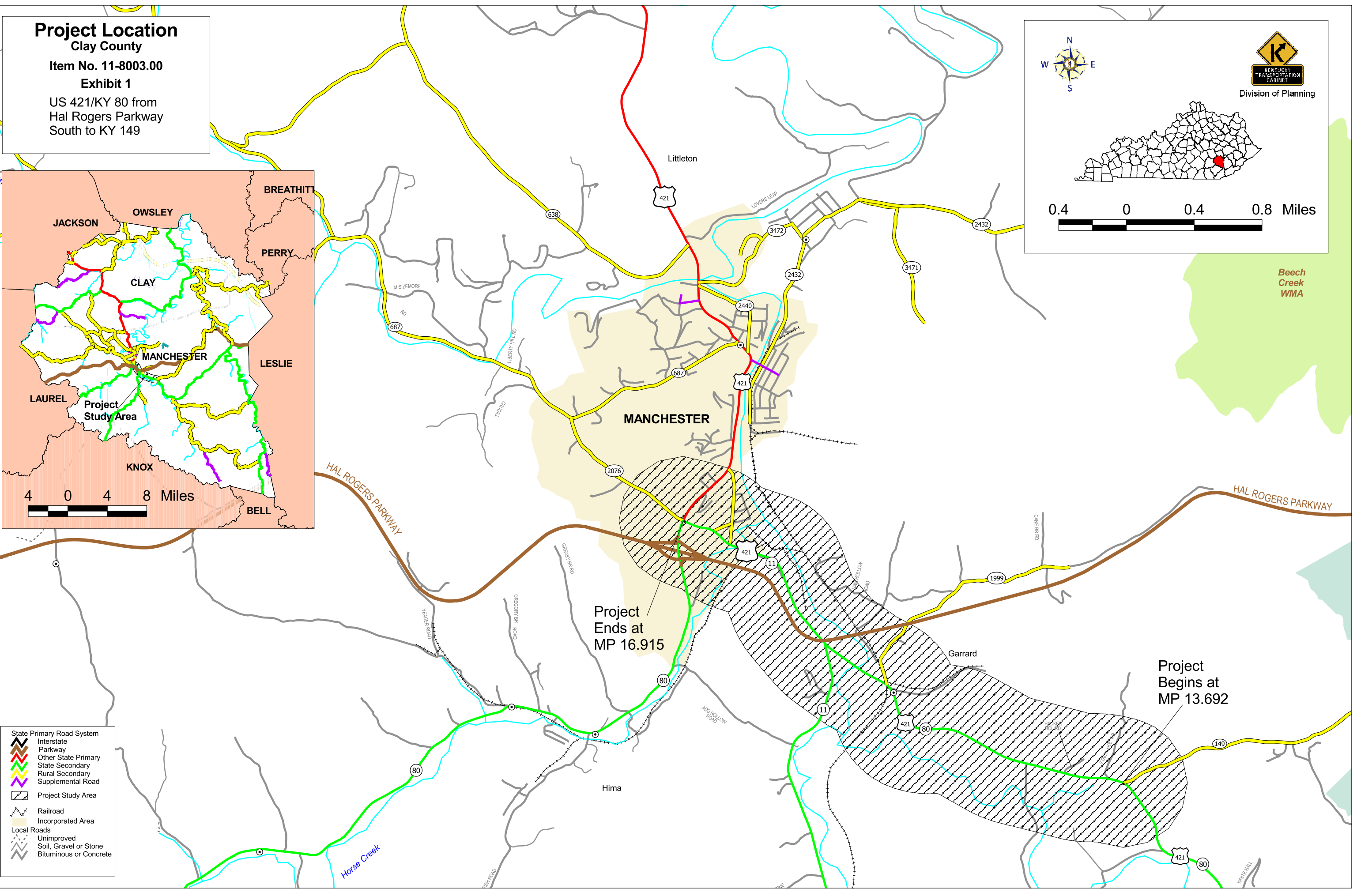
Item No. 11-8003.00

Exhibit 1

US 421/KY 80 from
Hal Rogers Parkway
South to KY 149



- State Primary Road System
 - Interstate
 - Parkway
 - Other State Primary
 - State Secondary
 - Rural Secondary
 - Supplemental Road
- Project Study Area
- Railroad
- Incorporated Area
- Local Roads
 - Unimproved
 - Soil, Gravel or Stone
 - Bituminous or Concrete



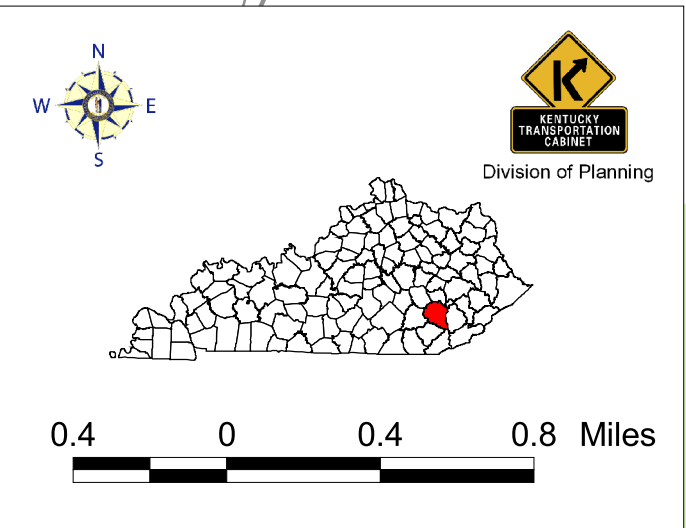
Year 2002 Traffic and Level of Service

Clay County

Item No. 11-8003.00

Exhibit 2

US 421/KY 80 from
Hal Rogers Parkway
South to KY 149



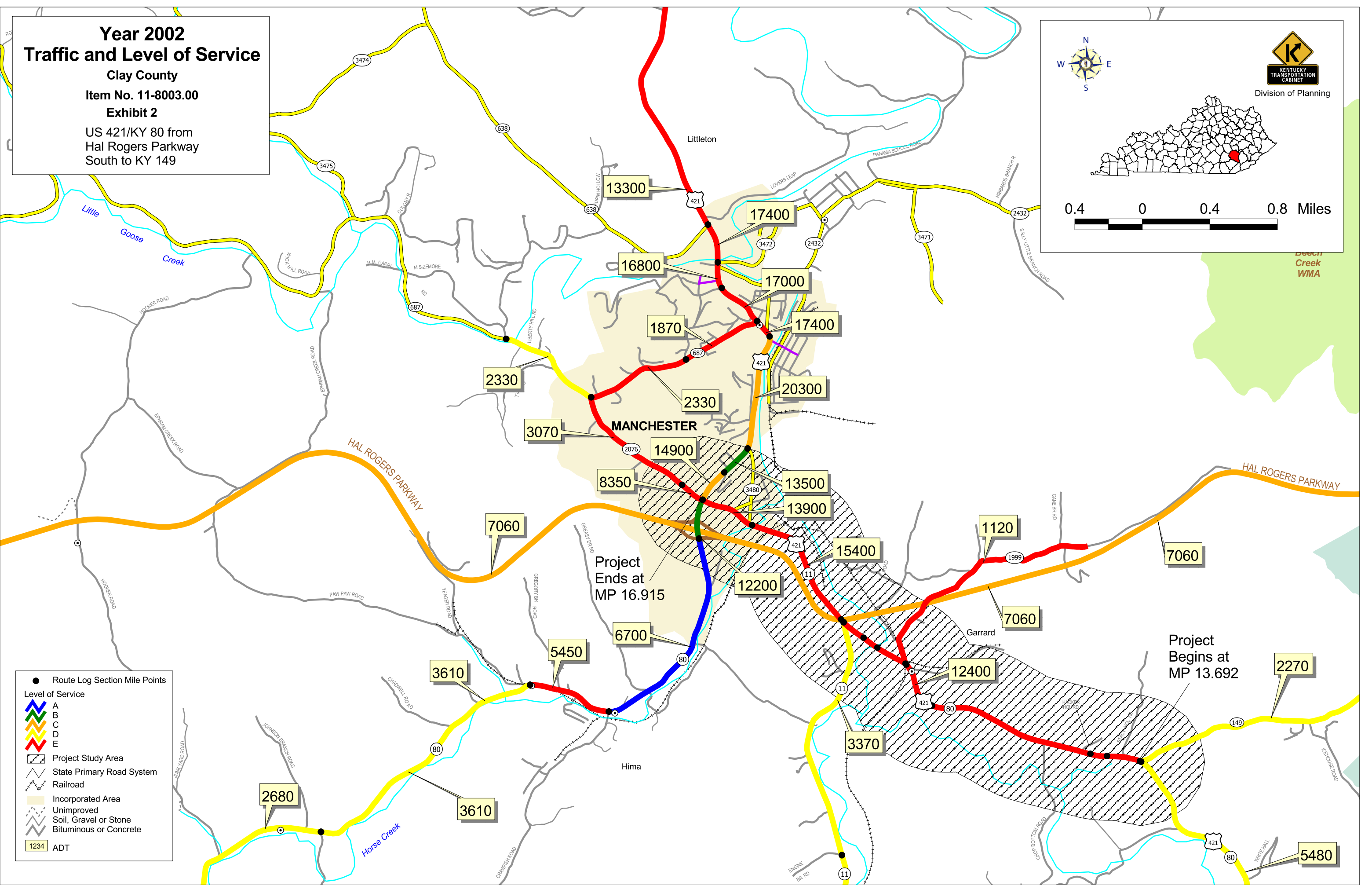
● Route Log Section Mile Points

Level of Service

- ↘ A
- ↘ B
- ↘ C
- ↘ D
- ↘ E

- Project Study Area
- State Primary Road System
- Railroad
- Incorporated Area
- Unimproved
- Soil, Gravel or Stone
- Bituminous or Concrete

1234 ADT



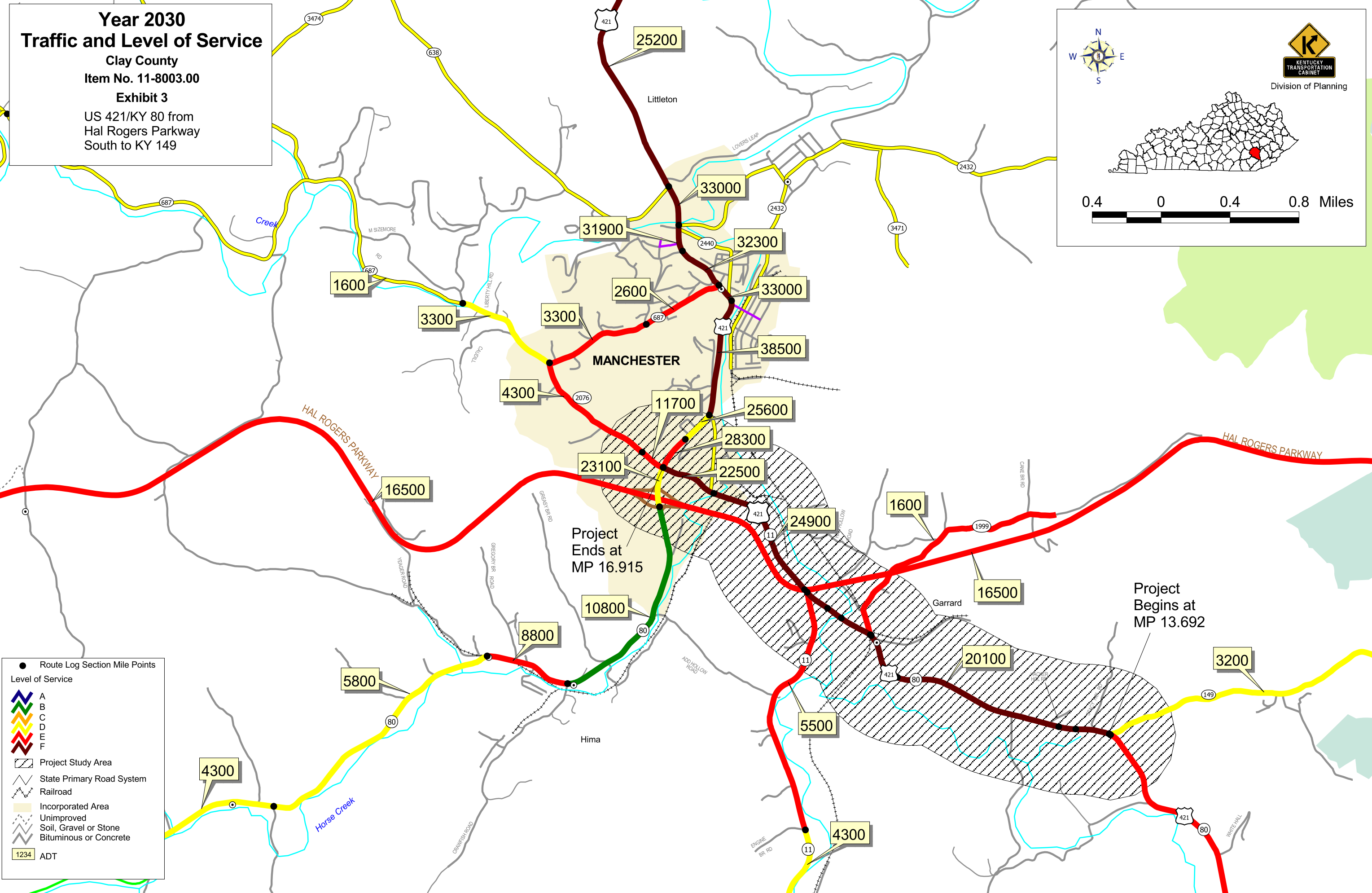
Year 2030 Traffic and Level of Service

Clay County
Item No. 11-8003.00

Exhibit 3
US 421/KY 80 from
Hal Rogers Parkway
South to KY 149

Division of Planning

0.4 0 0.4 0.8 Miles



● Route Log Section Mile Points

Level of Service

- A
- B
- C
- D
- E
- F

- Project Study Area
- State Primary Road System
- Railroad
- Incorporated Area
- Unimproved
- Soil, Gravel or Stone
- Bituminous or Concrete

ADT

Vehicle Crash Information

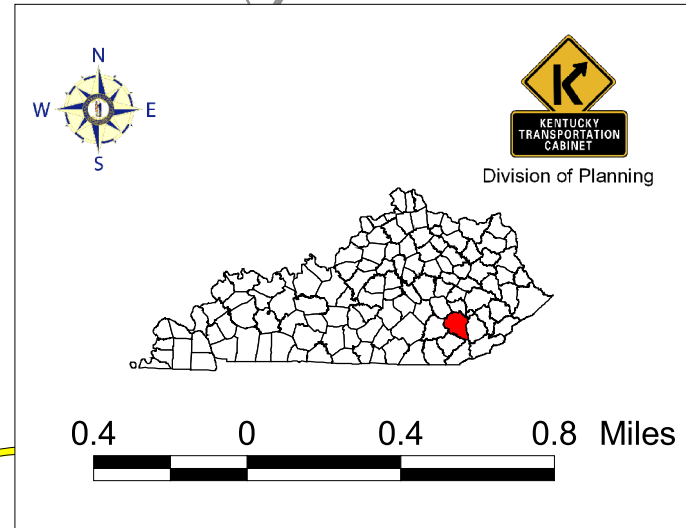
January 2000 - August 2003

Clay County

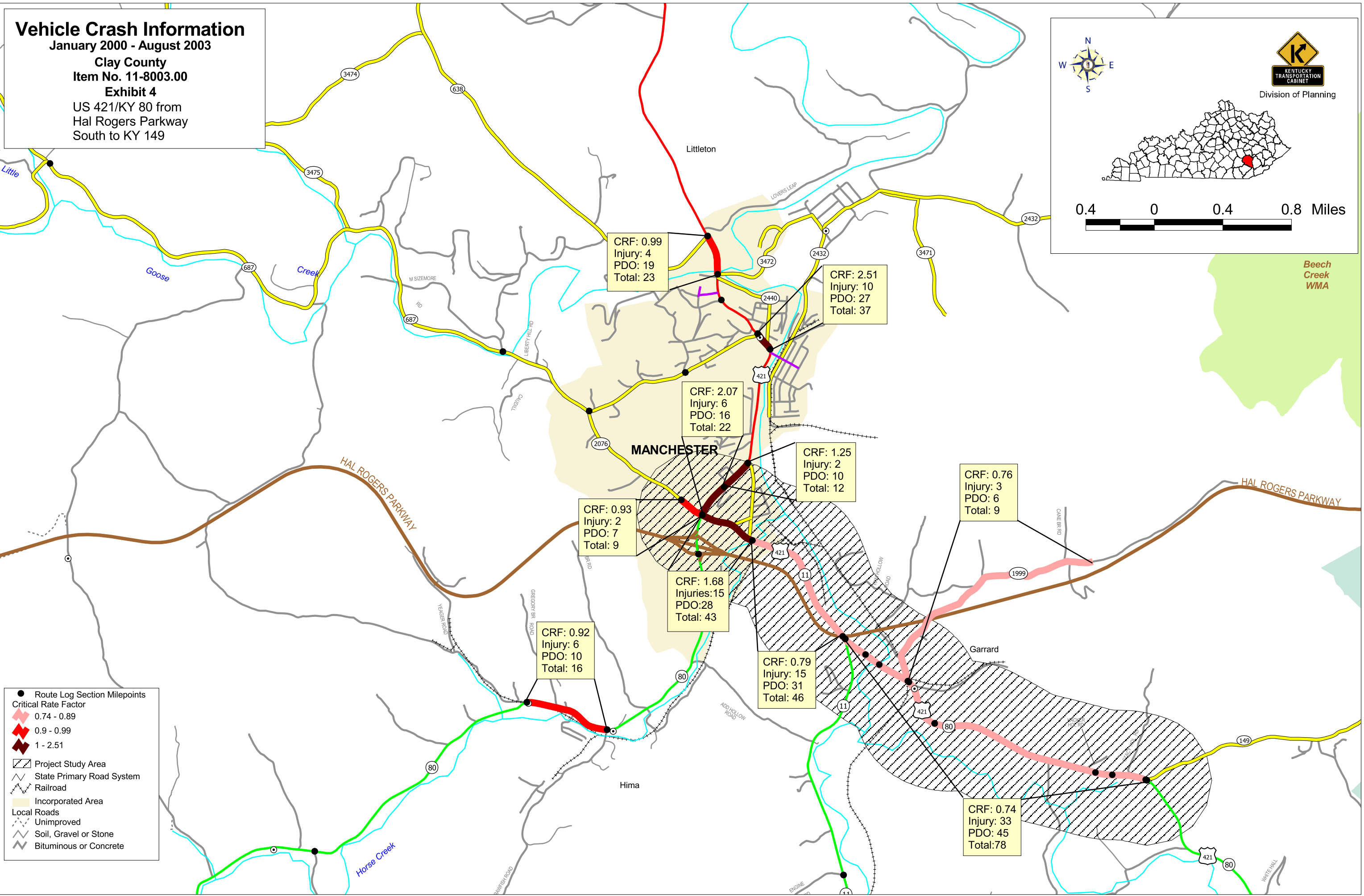
Item No. 11-8003.00

Exhibit 4

US 421/KY 80 from
Hal Rogers Parkway
South to KY 149



- Route Log Section Milepoints
- Critical Rate Factor
- ◆ 0.74 - 0.89
- ◆ 0.9 - 0.99
- ◆ 1 - 2.51
- ▨ Project Study Area
- ▬ State Primary Road System
- ▬ Railroad
- Incorporated Area
- Local Roads
- ▬ Unimproved
- ▬ Soil, Gravel or Stone
- ▬ Bituminous or Concrete



CRF: 0.99
Injury: 4
PDO: 19
Total: 23

CRF: 2.51
Injury: 10
PDO: 27
Total: 37

CRF: 2.07
Injury: 6
PDO: 16
Total: 22

CRF: 1.25
Injury: 2
PDO: 10
Total: 12

CRF: 0.76
Injury: 3
PDO: 6
Total: 9

CRF: 0.93
Injury: 2
PDO: 7
Total: 9

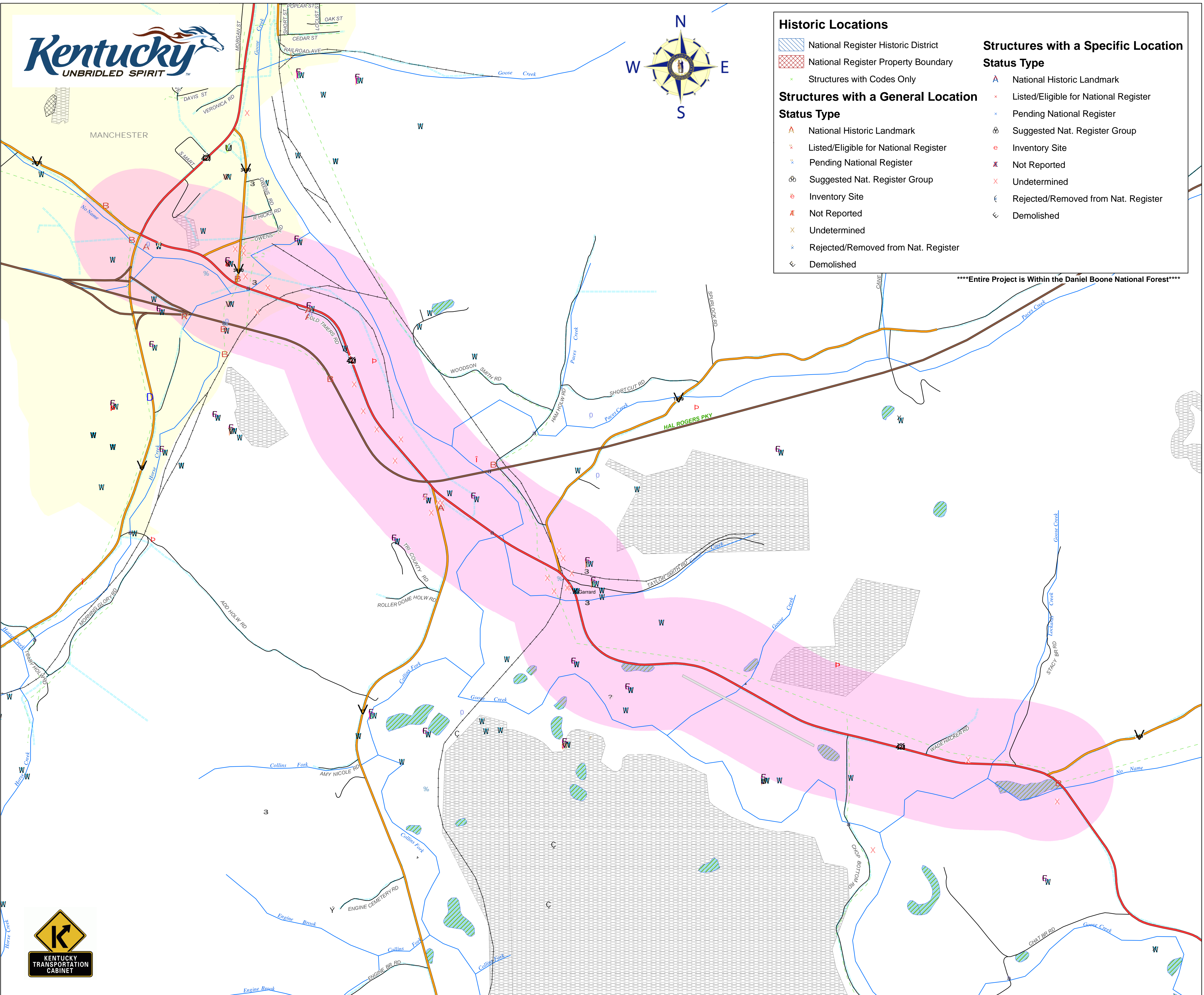
CRF: 1.68
Injuries: 15
PDO: 28
Total: 43

CRF: 0.92
Injury: 6
PDO: 10
Total: 16

CRF: 0.79
Injury: 15
PDO: 31
Total: 46

CRF: 0.74
Injury: 33
PDO: 45
Total: 78

Beech
Creek
WMA



Historic Locations		Structures with a Specific Location Status Type	
	National Register Historic District		National Historic Landmark
	National Register Property Boundary		Listed/Eligible for National Register
	Structures with Codes Only		Pending National Register
Structures with a General Location Status Type			Suggested Nat. Register Group
	National Historic Landmark		Inventory Site
	Listed/Eligible for National Register		Not Reported
	Pending National Register		Undetermined
	Suggested Nat. Register Group		Rejected/Removed from Nat. Register
	Inventory Site		Demolished
	Not Reported		
	Undetermined		
	Rejected/Removed from Nat. Register		
	Demolished		

Environmental Legend			
	Project Study Area		Karst Sites
	Interstate		Water Withdrawals
	Parkway		Outstanding Waters
	US Highway		Karst Sinking Stream
	State Road		KPDES Outfall
	Local Road		KPDES Facility
	Bridge		GW Monitoring Wells
	Active		Small Mining Operations (SOAP)
	Abandoned/Removed		Mine Shaft
	Abandoned Rail (LRC)		Coal Exploration Sites
	County Line		DSMRE Pending Mining Permit
	City/Town Area		DSMRE Active Coal Mines
	Airport		NonCoal Quarry
	Bus Station		Active Mining Operations (Non-Coal)
	Coal Tipple		Acid Mine Drainage
	Other		Coal Mine Permit Boundary
	Passenger Rail		Mined Out Areas
	Rail		HollowFills
	Riverport		Silt
	Airport Runways		Spoil
	Cemetery		Waste
	Church		Hydrologic Investigations
	Civil		Impoundments
	Dam		USGS Gauges
	Hospital		NREPC KY Facilities Index Site
	Park		100 YR Flood
	Post Office		SuperFund Sites
	Small Community		NREPC KY Facilities Index Facility
	School		Faults
	GW Springs		Oil & Gas
	GW Wells		Landfill
	Surface Water Source		Old Landfill
	Public Well Source		Old Tire Dump
	Non Community Points		SuperFund Boundary
	Water Tanks		Stream
	Water Treatment Plants		Wetlands
	Lift Station		Lake
	Package Treatment Plants		Wild River
	Water Meters		Karst Lake
	Pump Stations		Land Stewardship
	Water Purchase Source		DBNF Declared Boundary
	Sewer Treatment Plants		
	Water Pump		
	Water Lines		
	Sewer Lines		

US 421 PRE-DESIGN SCOPING STUDY ENVIRONMENTAL FOOTPRINT

MANCHESTER CLAY COUNTY
EXHIBIT 5 Item No. 11-8003.00

Kentucky Transportation Cabinet
Department of Highways
Division of Planning

