

APPENDIX D
RESOURCE AGENCY LETTERS



Commonwealth of Kentucky
Transportation Cabinet
Frankfort, Kentucky 40622

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Deputy Secretary

October 23, 2003

«Mailing_Title» «First_Name» «Last_Name»«Suffix»
«Title»
«Organization»
«Address1»
«Address2»
«City», «State» «Zip»

Dear «Letter_Title» «Last_Name»:

SUBJECT: Planning Study
Union County
US 60, From Sturgis to Morganfield
Item No. 02-8102.00

We are requesting your agency's input and comments on a planning study to determine the need and potential impacts for a proposed highway project. The Kentucky Transportation Cabinet has assembled a study team to evaluate the proposed widening and/or relocation reconstruction of US 60 in Union County from KY 109 in Sturgis to KY 56 in Morganfield. The study is currently in the initial data-gathering stage.

We ask that you identify specific issues or concerns of your agency that could affect the development of the project. This planning study will include a scoping process for the early identification of potential alternatives, environmental issues, and impacts related to the proposed project. We believe that early identification of issues or concerns can help us develop highway project alternatives to avoid or minimize negative impacts.

We respectfully ask that you provide us with your comments by December 12, 2003, to ensure timely progress in this planning effort.

During the development of this planning study, comments will be solicited from Federal, state, and local agencies, as well as other interested persons and the general public, in accordance with principles set forth in the National Environmental Policy Act



(NEPA) of 1969. The Federal Highway Administration is partnering with us in these efforts.

Other Transportation Cabinet offices or consultants working on behalf of the Transportation Cabinet may also contact you seeking more detailed data or information to assist them in completing their environmental studies for this phase of the project.

We have enclosed the following project information for your review and comment:

- Purpose, Issues, Schedule, and Project Goals
- County Map & Project Location
- General Information
- Level of Service Calculations
- Exhibit 1 Year 2002 Traffic and Level of Service
- Exhibit 2 Year 2030 Traffic and Level of Service
- Crash Analysis
- Exhibit 3 High Accident Segments
- USGS Topographic Environmental Footprint
- KYOGIS Orthophoto Environmental Footprint

We appreciate any input you can provide concerning this project. Please direct any comments, questions, or requests for additional information to Daryl Greer or Joseph Tucker of the Division of Planning by phone at (502) 564-7183 or by email at daryl.greer@mail.state.ky.us or joseph.tucker@mail.state.ky.us. Please address all written correspondence to Annette Coffey, P.E., Director, Division of Planning, Kentucky Transportation Cabinet, 125 Holmes Street, Frankfort, KY 40622.

Sincerely,



Annette Coffey, P.E.
Director
Division of Planning

AC:DJG:JLT:RC

Enclosures

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**PROGRAMMING STUDY
PURPOSE, ISSUES, SCHEDULE, AND PROJECT GOALS
UNION COUNTY, US 60
FROM STURGIS TO MORGANFIELD
ITEM No. 02-8102.00**

STUDY PURPOSE

The purpose of this Alternatives Study is to evaluate US 60 from Sturgis to Morganfield and determine possible alternatives to improve safety and traffic flow. The study is intended to help define the location and purpose of the project and better meet federal requirements regarding consideration of environmental issues as defined in the National Environmental Policy Act (NEPA). Items involved with this study include:

- Define project goals;
- Identify the beginning and ending points of the project as well as possible design criteria;
- Discuss project needs and issues with public officials, government agencies, and other groups with a special interest in the project;
- Identify known environmental concerns; and
- Listen to and share information with the public.

ISSUES

The most imperative needs on this section of roadway pertain to system connectivity. Several locations west of the study area have been improved or are scheduled for improvements. Other issues are as follows:

- The current route would operate at a less than desirable Level of Service in the design year of 2030, and with the possibility of many large scale projects including I-66 and I-69, increased traffic may produce considerable congestion.
- Many areas along the route have horizontal and vertical curves that do not meet current design guidelines. Several intersections throughout the study area have less than preferred sight distance.
- Many points of interest such as schools and the county hospital are located along the route.




STUDY CORRIDOR



COUNTY MAP & PROJECT LOCATION
UNION COUNTY, US 60
ITEM NO. 02-8102.00

Union County
US 60
From Sturgis to Morganfield

General Information

County: Union
Route: US 60 **Beg MP:** 5.671 **End MP:** 16.300
Item No: 8102
Description: Programming Study for US 60 from Sturgis to Morganfield.

Area Development District (ADD): Green River ADD
Bike Route: No
Coal Haul Route: Yes
Defense Highway: No
Highway District: District 2
Functional Classification: Rural Minor Arterial
National Truck Network: Yes
National Highway System (NHS): No
Number of Bridges: 2 (Lengths 134 and 107 feet)
Pavement type: Mixed
Scenic Byway: No
State System: State Primary (Other)
Truck Weight Class: AAA (80,000 lb. Gross load limit)
Type of Road: Undivided Highway
Type of Terrain: Rolling

Level of Service Calculations

Begin Milepoint	End Milepoint	2002 Average Daily Traffic	Annual Growth Rate	2030 Average Daily Traffic	% Trucks	Lane Width (Feet)	Shoulder Width (Feet)	2002 Level of Service	2030 Level of Service No Improvements.
5.671	5.848	6630	2.4%	12900	6.4%	12	0	C	D
5.848	6.200	6980	2.4%	13600	6.4%	12	0	C	D
6.200	7.197	6130	2.4%	11900	6.4%	12	3	C	D
7.197	10.515	5360	2.4%	10400	6.4%	11	3	C	D
10.515	13.289	6520	2.4%	12700	6.4%	11	3	C	D
13.289	15.412	4500	2.4%	8700	6.4%	11	3	C	D
15.412	16.265	4500	2.4%	8700	6.4%	12	3	C	D
16.265	16.300	8520	2.4%	16600	6.4%	14	0	D	E

Milepoint Descriptions

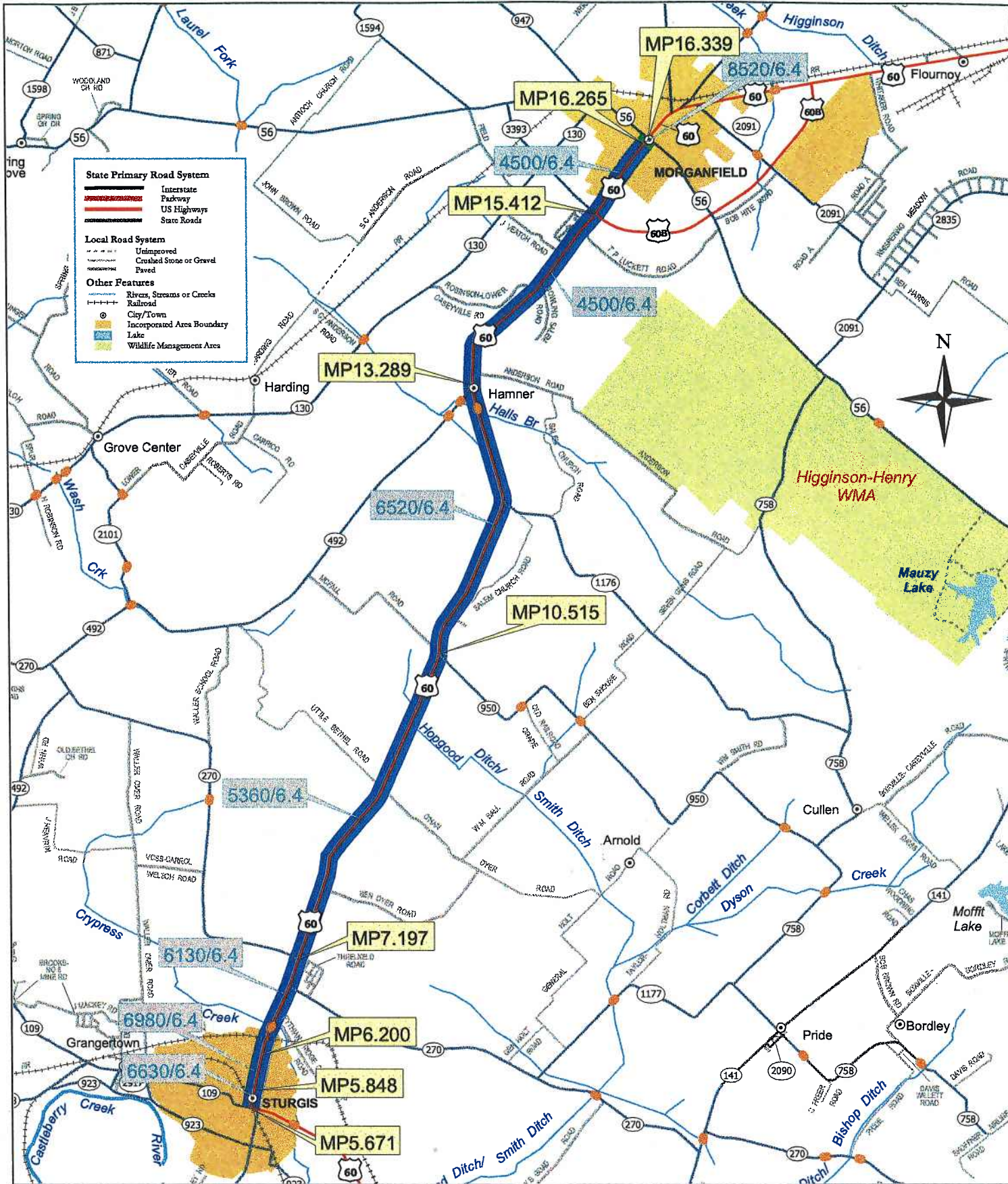
5.671	KY 109 (Main Street in Sturgis)
5.848	7th Street
6.200	12th Street
7.197	KY 270 West
10.515	KY 950/ McFall Road
13.289	KY 492 (Hamner-Henshaw Road)
15.412	US 60 Bypass
16.265	O'Bannon Drive
16.300	Truitt Street

Note:

Level of Service (LOS) is used to describe traffic conditions and includes consideration of speeds, travel time, freedom to maneuver, traffic interruptions, comfort, and convenience. LOS is given letter designations from A to F with LOS A representing free flow conditions and LOS F representing severe congestion. Typically, a minimum LOS D is acceptable in urban areas and LOS C in rural areas.

Exhibit 1 on the next page shows a visual representation of the current LOS on US 60 between Sturgis and Morganfield.

Exhibit 2 shows a visual representation of the projected LOS in the year 2030 on an unimproved US 60 between Sturgis and Morganfield.



2002 LOS

- C or better
- D

2002 ADT/TRUCK %

MP0.000 MILE POINT

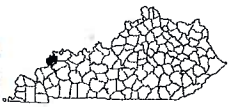


EXHIBIT 1
YEAR 2002
TRAFFIC AND LEVEL
OF SERVICE
Union County, US 60
From Sturgis to
Morganfield
Item No. 02-8102.00

State Primary Road System

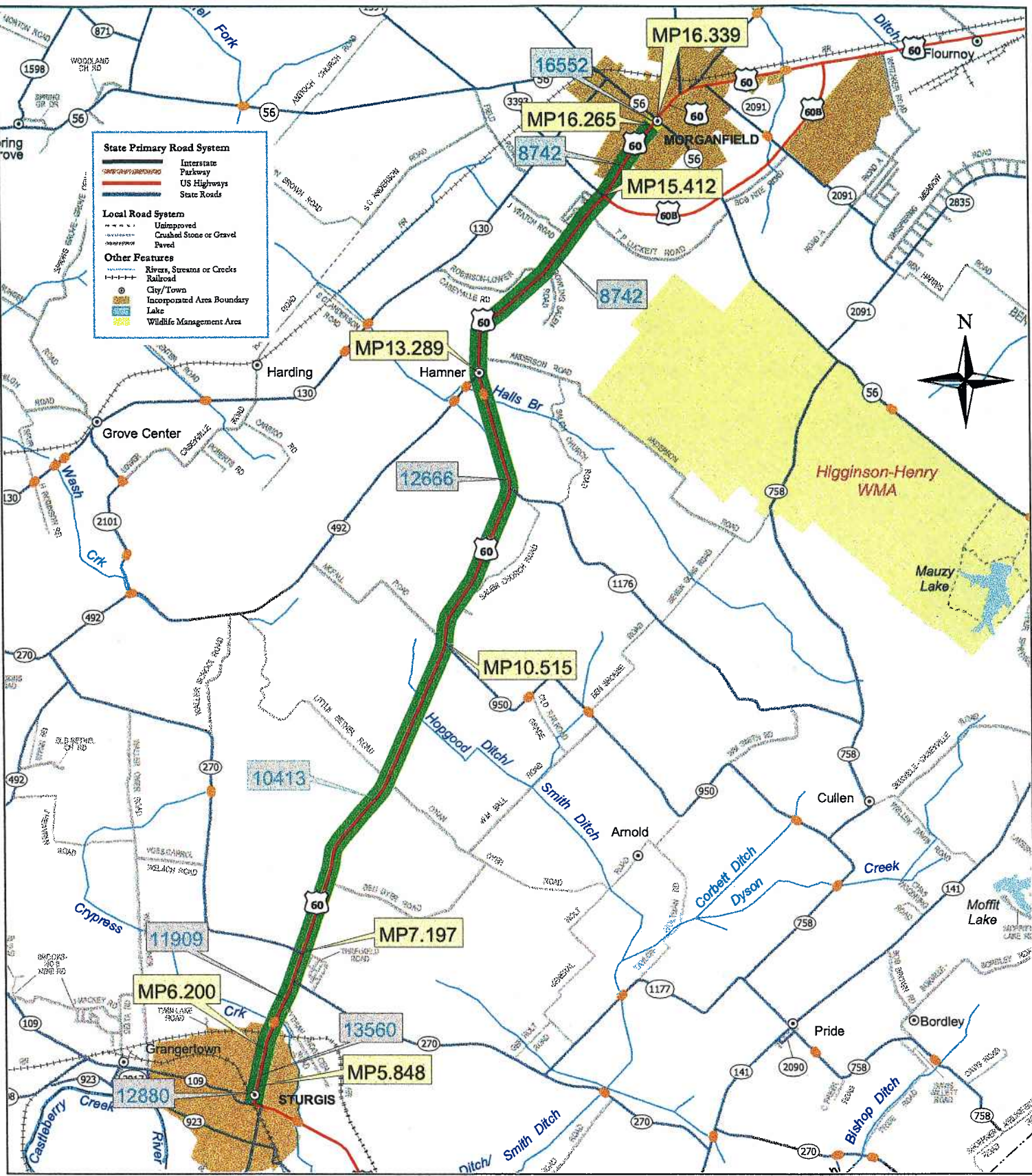
- Interstate
- Parkway
- US Highways
- State Roads

Local Road System

- Unimproved
- Crushed Stone or Gravel
- Paved

Other Features

- Rivers, Streams or Creeks
- Railroad
- City/Town
- Incorporated Area Boundary
- Lake
- Wildlife Management Area



2030 LOS

- D (Green)
- E (Yellow)

2030 ADT

MP0.000 MILE POINT



**EXHIBIT 2
YEAR 2030
TRAFFIC AND LEVEL
OF SERVICE**

Union County
US 60
From Sturgis to
Morganfield
Item No. 02-8102.00

Crash Analysis							
Begin Milepoint	End Milepoint	Average Daily Traffic	Crashes				Critical Rate Factor
			Fatal	Injury	Property Damage Only	Total	
January 1, 2000 to December 31, 2002 Crash Data for Segments							
5.671	5.847	6630	0	1	4	5	0.599
5.848	6.199	6980	0	1	5	6	0.430
6.200	7.196	6130	0	3	10	13	0.466
7.197	10.514	5360	0	14	15	29	0.429
10.515	13.288	6520	1	17	25	43	0.627
13.289	15.411	4500	1	17	36	54	1.348
15.412	16.264	4500	0	11	26	37	1.902
16.265	16.300	8520	0	4	9	13	3.552
January 1, 2000 to December 31, 2002 Crash Data for Spots							
16.000	16.300	4980	0	10	28	38	3.843
14.800	15.100	4500	0	7	19	26	2.817
14.300	14.600	4500	0	4	5	9	0.975

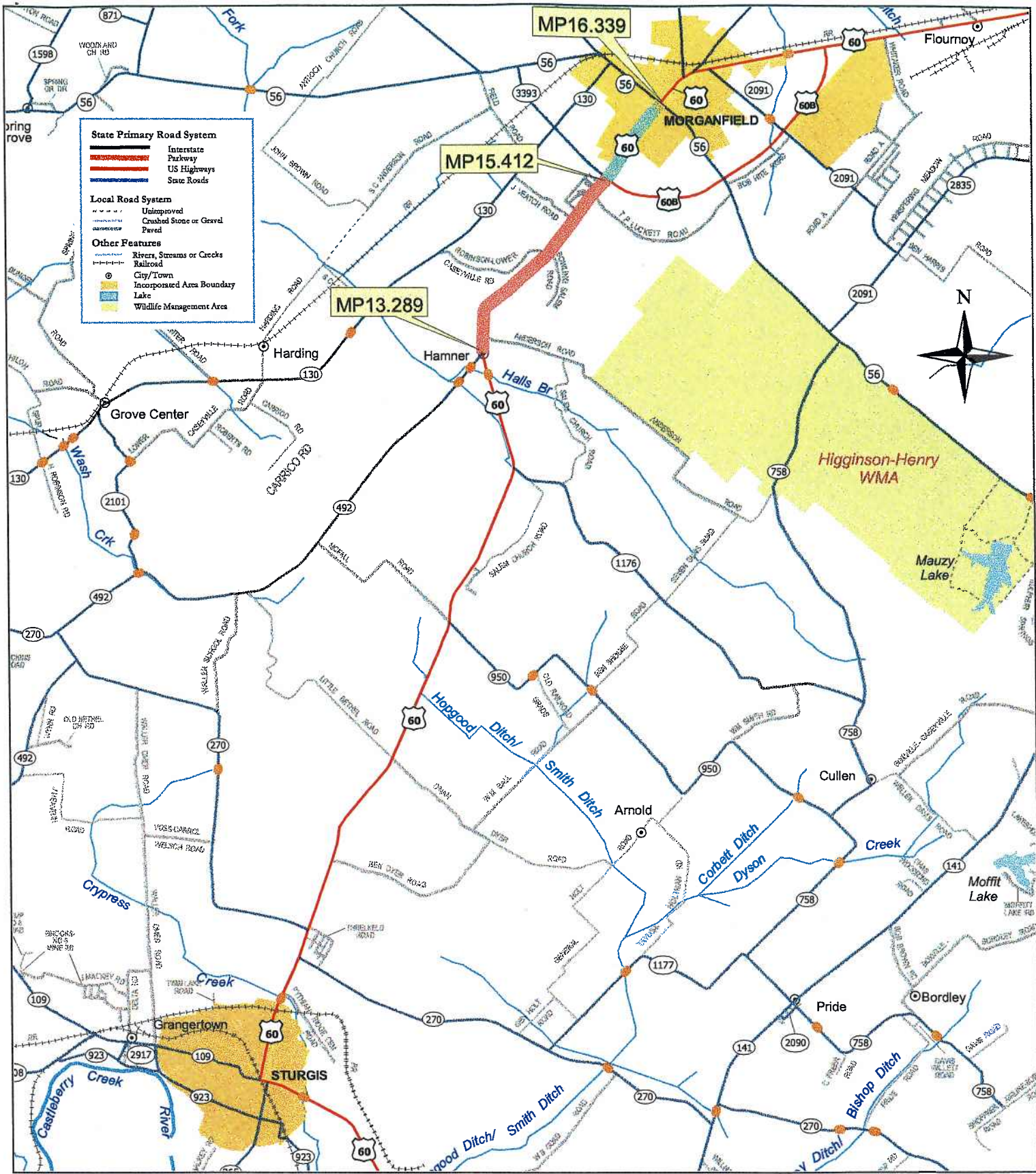
Milepoint Descriptions

5.671	KY 109 (Main Street in Sturgis)
5.848	7th Street
6.200	12th Street
7.197	KY 270 West
10.515	KY 950/ McFall Road
13.289	KY 492 (Hamner-Henshaw Road)
15.412	US 60 Bypass
16.265	O'Bannon Drive
16.300	Truitt Street

Note:

When a spot or segment has a Critical Rate Factor (CRF) greater than 1.00, it indicates that crashes at that location may not be occurring randomly.

Exhibit 3 on the next page shows a visual representation of the high accident segments of US 60 between Sturgis and Morganfield.

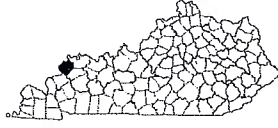


- State Primary Road System**
- Interstate
 - Parkway
 - US Highways
 - State Roads
- Local Road System**
- Unimproved
 - Crushed Stone or Gravel
 - Paved
- Other Features**
- Rivers, Streams or Creeks
 - Railroad
 - City/Town
 - Incorporated Area Boundary
 - Lake
 - Wildlife Management Area

1 0 1 2 Miles

MP0.000 MILE POINT

HIGH ACCIDENT SEGMENTS	
	CRF 1.348
	CRF 1.902
	CRF 3.552



**EXHIBIT 3
HIGH ACCIDENT
SEGMENTS**

Union County
US 60
From Sturgis to
Morganfield
Item No 02-8102.00