



KENTUCKY TRANSPORTATION CABINET
FRANKFORT, KENTUCKY 40622
WWW.KENTUCKY.GOV

ERNIE FLETCHER
GOVERNOR

MAXWELL C. BAILEY
SECRETARY

MEMORANDUM

TO: Tim Choate, T.E.B.M.
Kentucky Transportation Cabinet – Dept. of Highways District 1

FROM: David M. Waldner, P.E., Director
Division of Environmental Analysis

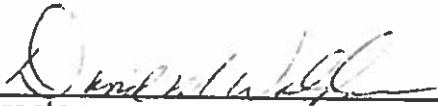
DATE: May 4, 2004

SUBJECT: State-Funded Project
Widen US 60 to 4 lanes from Bethel Church Road to KY 1154
Ballard and McCracken Counties, Kentucky Item # 1-115.1

The environmental documentation for the subject project has been independently evaluated by the Division of Environmental Analysis and determined to adequately and accurately describe the purpose, environmental impacts and effects of the proposed project along with any appropriate mitigation measures, if required. It is therefore determined that the subject project will have no significant impact on the human environment.

Phase 2 ust/haz assessment evaluations may be required if the 2 salvage yards are encroached upon by the project. The project may be advanced in a normal manner once the necessary programming and authorizations (USACE 404 #14 permit) are obtained.

If the scope of the project or the degree of environmental impact changes during further development more environmental study may be required.



Director
Division of Environmental Analysis

5-4-04

Date

DMW/TV

c: Program Management G. Bunch Files

State Funded/Overview Summary Sheet

I. PROJECT IDENTIFICATION

A. Route: US 60	Reviewed by: DEA	Date: 5/4/04
B. County: Ballard and McCracken	C. Item No.: 1-115.1	
D.		
1. Existing Conditions: NA		
2. Proposed Use: To widen US 60 to 4 lanes from Bethel Church Road to KY 1154		

II. IMPACT EVALUATION	SIG.	MIN.	NONE	COMMENTS
A. Traffic/Travel Pattern Changes			X	
B. Planned Growth Changes			X	
C. Land Use Changes			X	
D. Relocations			X	
E. 4(f) Lands			X	
1. Historic Site/District Effects			X	
2. Archaeological Site Effects			X	
3. Public Recreation Effects			X	
4. Wildlife/Waterfowl Refuge Effects			X	
F. Wetlands Effects			X	
G. Floodplain Effects			X	
H. Prime/Unique Farmland Effects			X	
I. Endangered Species/Habitat Effects			X	Indiana Bat habitat present; if possible disturbance should be limited to winter months
J. Air Quality Effects			X	
K. Noise Impacts			X	
L. Water Quality Impacts			X	
M. 401/404 Permits		X		401 and 404 NW #14 required due to stream disturbance; small wetland present- no permit required - USACE to be notified
N. Hazmat/UST Issues		X		Phase 2 assesement work recommended at 2 salvage yards prior to r-o-w if the 2 parcels are impacted (see attachment)
O. Other Issues (discuss):				

III. RECOMMENDATIONS/CONDITIONS/COMMENTS:

Best Management Practices and Emsion control measures will be used to minimize siltation and damage to the environment. Disturbance to Indiana Bat habitat is recommended for winter months (October-March). Phase 2 ust/haz assessment may be required

APPROVED:


Director, Division of Environmental Analysis

DATE: 4-May-2004

C: Files, D. Wade, R. Thomas, T. Vinegar

DEPARTMENT OF TRANSPORTATION KENTUCKY DIVISION OF HIGHWAYS PERMITTING DIVISION						
Item No.	1-115.10	County	McCracken	Route	US 60	
Project Description	4-LANE US-60 FROM BETHEL CHURCH ROAD TO KY-1154					
Date Assigned	12-20-2002	Date File Review Completed	3-31-2003	Completed By	DBD	
File Review Evaluation				N/A	Yes	No
A.	Additional Right-of-Way Required				X	
B.	Detour Required On-Site Off-Site					X
C.	Documented Archaeological Sites					X
Archaeological Survey Required						X
Area	Date Assigned	To	Completion Date	Project Status		
Archaeological						
Conditions met						No
Project Approved as CE				X		
If No, please note why						

DIVISION OF ENVIRONMENTAL ANALYSIS
 CULTURAL HISTORIC SECTION CHECKLIST
 CE PROJECT EVALUATION

Item No.	1-115.1	County	McCracken County	Route	US 60
Project Description	Widen US 60 between KY 1154 and Bethel Church Road				
Date Assigned	3-8-03	Date File Review Completed	12-11-03	Completed By	<i>RWT</i>

File Review Findings		N/A	Yes	No
A.	Additional Right-of-Way Required			X
B.	Detour Required On Site Off Site			X
C.	Documented Historic Sites			X
D.	Bridge Inventory			X

Recommendations		Yes	No
Cultural-Historic Survey Required			X

Survey Completed (if required)					
Open	Staff Assigned	To	Completion Date	Report/Memo Attached	
Cultural-Historic					

Condition (if any)		Yes	No
Project Approved as CE		Y	

If No, please note why	
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c: D.Wade, P. Rawlings, R.H.Turner, T. Vinegar, D-1(C. Kuntz), Reading File, Central File, Arch File



Commonwealth of Kentucky
Transportation Cabinet
Frankfort, Kentucky 40622

James C. Codell, III
Secretary of Transportation

Paul E. Patton
Governor

Clifford C. Linkes, P.E.
Deputy Secretary

MEMORANDUM:

TO: Central File
Division of Environmental Analysis

FROM: Chris Cummins, P.G., Remediation Coordinator
UST/HZMT Section

DATE: March 6, 2003

SUBJECT: McCracken County: Environmental Overview
US 60
Paducah, Kentucky
Item No. 1-115.10

Based on all available information and our field inspection, it appears there are two (2) parcels that would have a potential UST/Hazmat impact by widening US 60. The properties are:

Texas Automotive Salvage Yard
Located at the southwest corner of the intersection of US 60 and Lindamel Drive

Jerrell's Salvage Yard
Located at the southwest corner of the intersection of US 60 and Kingsway Drive

These properties have numerous junk cars and car parts scattered throughout the properties. Based on the drawings these properties appear to be within the proposed project limits. Therefore if these properties were to be disturbed we would recommend a Phase II Site Assessment be conducted prior to purchasing these properties.

We will be glad to begin Phase II activities at your request. If the plans change or other information is discovered we will be glad to reevaluate. Please call if you have any questions or need any additional information.

cc: T. Vinegar
M. Gevedon, R/W
D.Wade
Reading File



ECOLOGY WORKSHEET

KYTC Division of Environmental Analysis
125 Holmes Street
Frankfort, KY 40622
Ph: 502-564-7250

Status:

EO

PROJECT INFORMATION

ITEM #	01-0115.10
COUNTY	McCracken
ROUTE	US 60
LIMITS	From existing 4 lane to Bethel Church Rd. (appx Ballard Co. Line)

SCHEDULE

ROW PLAN	
LOADING PLAN	

REVIEWED BY	F. D. Noe
COMPLETION DATE	02/13/2003

Existing Data

QUADRANGLE

Heath

DRAINAGE

Ohio River

Ecological Review

Habitat Evaluation

small area of wetland inclusions to the north of existing US 60 and to the east of Roberts Road. Minimal bat habitat, forested areas quite small and isolated, streams with interrupted thin riparian zones deeply entrenched (ditched) flow. Site visit by FDN & BM on 2/10/02.

Substantive Ecological Issues/Compliance

Endangered Species USFWS

03-0669 NSL

Endangered Species Habitat

Present Marginal

Wetland Impact Assessment

<1 acre

Outstanding Commitments

Conditions of CE

N/A

Additional Information

Habitat Assessment Complete

Photo Record on File

Remarks

Awaiting USFWS reply.



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Deputy Secretary

MEMORANDUM

TO: Tony Vinegar, Branch Manager
Division of Environmental Analysis

FROM: Sharmista Dutta, Environmental Technologist II SD
Air Team

DATE: May 27, 2003

SUBJECT: Environmental Overview
Widen US 60 to four lanes from Bethel Church Rd to KY 1154
McCracken County
Item No. 1-115.10

The Air Team has performed an environmental overview based on the data provided. The project corridor is urban in nature with approximately 13 receptors. Existing (2002) traffic volumes along US 60 are 8280 ADT. Currently, McCracken County is designated as an attainment area with respect to all transportation related pollutants. With respect to carbon monoxide, exceedances of the one-hour standard of 35 ppm or the eight-hour standard of 9 ppm are not anticipated for existing or future conditions. With respect to conformity, the proposed project is located on page 157 of the latest conforming state transportation improvement program (Kentucky Statewide Transportation Improvement Program (STIP), Fiscal Years 2003-2008), approved September 2002.

SD

cc: Richard Davis, D-1
Files






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Transportation Cabinet
Frankfort, Kentucky 40622

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Deputy Secretary

MEMORANDUM

TO: David M. Waldner, P. E., Director 
Division of Environmental Analysis

FROM: Thomas A. Koos, Environmental Technologist II
Noise Team *TAK*

DATE: January 14, 2003

SUBJECT: Environmental Overview
US 60 Widening
McCracken County
Item No. 1-115.10

The Noise Team has performed an environmental overview based on the data provided. The project corridor is rural in nature with approximately 13 receptors. Existing (2002) traffic volumes along US 60 are 8280 ADT. The locations of the receptors are approximately 50 feet to over 300 feet from the centerline. Although there may be some impact due to the widening of the roadway and increased traffic volume, traffic noise levels should not increase significantly.

TK

Cc: Tony Vinegar
Richard Davis, D-1
Files



Ecological Assessment

**McCracken County, Kentucky
Item #01-115.10**

for

Kentucky Transportation Cabinet

April 29, 2004



www.thirdrockconsultants.com

Environmental Analysis & Restoration

Ecological Assessment

**McCracken County, Kentucky
Item #01-115.10**

for

**Kentucky Transportation Cabinet
Station: W5-22-02
200 Mero Street
Frankfort, Kentucky 40622**

April 29, 2004

Prepared by:

Reviewed by:

Tony Miller

Gerry Fister, PG



www.thirdrockconsultants.com

Environmental Analysis & Restoration

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I. PROJECT DESCRIPTION

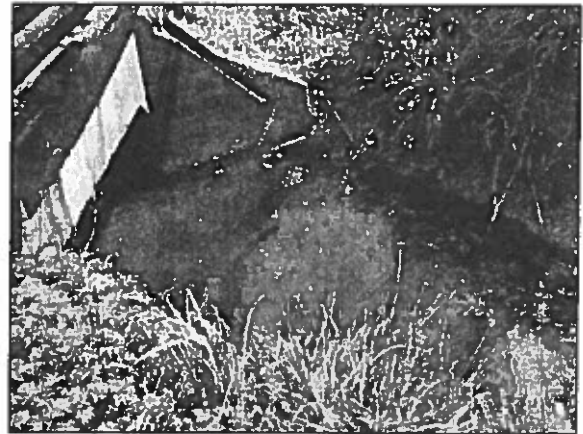
A highway improvement/bypass (KYTC Item No. 01-115.10) for US 60 is proposed west of the McCracken – Ballard County line in western Kentucky. The improvement would continue the widening of US 60 from a two-lane to a four-lane road and would begin a bypass around the town of Kevil. The area of the project corridor is a mix of rural residences with row crop and grazing farmland. The length of the corridor is approximately 1.8 miles.

II. FIELD INVESTIGATION

On April 20, 2004, personnel from Third Rock surveyed the project corridor for potential impacts posed to aquatic and terrestrial ecosystems as well as threatened and endangered species. The disturbance limits of the entire corridor were visually inspected for wetlands, streams, and potential habitat for federally listed species. The locations of the potential impacts found are shown on Exhibit 1.

III. STREAMS AND WETLANDS

Three blue line streams will be crossed at four locations by the proposed road improvement (Exhibit 1). Stream crossing 4 is a blue line stream, yet has been altered by farming activities. Two long sections of ephemeral "ditches", with definable bed and bank, would also be impacted by the proposed alternative. Total impacts for the streams in the project corridor are approximately 2,159 linear feet and 0.16 acres. From USGS topographic maps, blue line stream impacts are estimated to be 1,706 linear feet. This disturbance length for proposed stream impact would qualify for a section 401



Stream Crossing 1

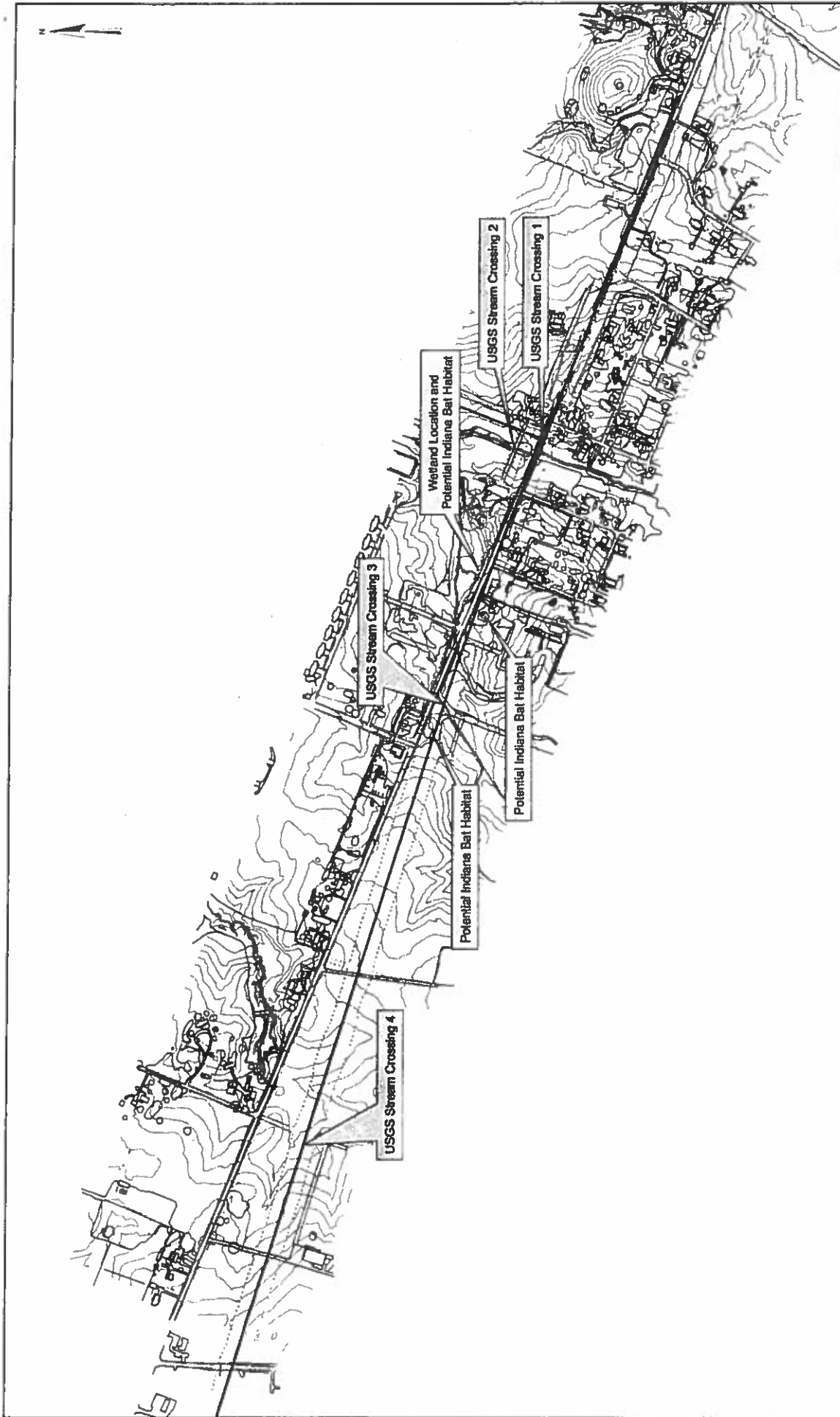


Exhibit 1
 US 60 Reconstruction
 KYTC Item No. 01-115.10
 Ballard and McCracken Counties, Kentucky

Legend
 — Alternative Centerline
 — Disturbance Limits

1 inch equals 600 feet

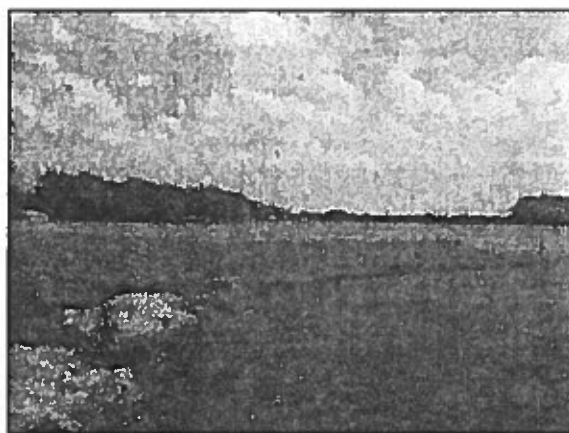


Stream Crossing 2

permit from Kentucky Division of Water (> 200 linear feet). The size of the total disturbance is large enough to possibly require a Nationwide 14 permit from the United States Army Corps of Engineers (USACE) (<0.5 ac, >0.1 ac). Information of this disturbance should be sent to the Louisville District USACE for external review.



Stream Crossing 3



Stream Crossing 4

No hydric soils were found on the county soils map, though one wetland area was found on the northeastern end of the project corridor (Exhibit 1). This area appeared to be created as a result of stream flow impairment from existing US 60. The wetland area was small (approximately 450 ft²) with a predominately forested overstory. Cattails (*Typha latifolia*) and rush (*Juncus effusus* var. *solutus*) were abundant in the understory.



Cattails in small wetland area at beginning of project corridor

Soils were mottled but not found to be hydric, which under natural conditions would not constitute the full definition of a wetland. Due to this wetland's anthropogenic creation and outlet channel, the USACE would most probably consider this wetland jurisdictional. Because its size is under 0.1 acre, this wetland would not require section 401 or 404 permits. Though not requiring a permit, notification of the impact should be included with the stream impacts notification when sent to the USACE.

IV. THREATENED AND ENDANGERED SPECIES

After review of United States Fish and Wildlife Service (USFWS) and Kentucky Nature Preserve's web sites, the only federally endangered species that has potential habitat in the project corridor is the Indiana bat (*Myotis sodalis*) (USFWS correspondence). Small areas of habitat for Indiana bats were found in and adjacent to the project corridor. A large tree snag was found adjacent to the wetland area (Exhibit 1), which could potentially serve as summer roost habitat. Additionally, two abandoned houses were found in the disturbance limits that could serve as roost habitat. If disturbance were limited to winter months, there would be no impact to the bats and it is probable that no further action would be required. If winter construction were not feasible, mist-netting would be required by USFWS to determine if Indiana bats are present.



Potential Indiana bat habitat

According to the USFWS several federally endangered mussels are known to exist in McCracken County. No stream habitat was found that would be suitable for these mussel species.

The predominant terrestrial disturbance in the project corridor would be to row crop farmland with some pasture. As a result, there is very little environmental concern for the project.



Row crop farmland in the disturbance



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