



# INTEROFFICE MEMORANDUM

April 17, 2020

**TO:** Master Files

**FROM:** *for* John Fleming, Division Head, Environmental Division *JF*

**SUBJECT:** Job Number 061610  
FAP Number NHPP-0043(35)  
I-40 Str. & Apprs. (Hwy. 15) (S)  
Route 15, Section 11  
Lonoke County  
Tier 1 Categorical Exclusion

After appropriate environmental review, it has been determined that the subject job is a Tier 1 Categorical Exclusion as described by the ARDOT/FHWA Programmatic Agreement on Categorical Exclusion Documentation and Processing. A public hearing will not be offered for this project.

The purpose of this project is to replace the overpass bridge (#A3224) on Highway 15 crossing Interstate 40 in Lonoke County. Total length of the project is 0.33 mile. A project location map is attached.

The existing 308'x42' bridge will be replaced by a bridge constructed on new location adjacent to the existing structure. The existing roadway consists of two 10-foot wide paved travel lanes with 10-foot wide paved shoulders. Proposed improvements include two 12-foot wide travel lanes with 8-foot wide paved wide shoulders. Up to 0.1 acre of additional right of way may be required for this project.

Design data for this project is as follows:

Design Year	Average Daily Traffic	Percent Trucks	Design Speed
2021	5,600	3	55 mph
2041	6,200	3	55 mph

The project will not involve relocations, underground storage tanks, hazardous materials, floodplains, any environmental justice issues, or cultural resources. This project has been determined to generate minimal air quality impacts for Clean Air Act criteria pollutants and has not been linked with any special mobile source air toxic concerns. Up to 0.1 acre of Prime Farmland may be impacted. Form NRCS-CPA-106 and the State Historic Preservation Officer clearance are attached.

Based on the ARDOT noise policy, a noise analysis is not required for this project. The bridge replacement will not involve adding capacity, substantially changing the roadway alignment, or exposing noise sensitive land uses to traffic noise sources. In compliance with federal guidelines, local authorities will not require notification.

The official species list obtained from the US Fish and Wildlife Service's Information for Planning and Consultation website identified the Piping Plover (*Charadrius melodus*), Eastern Black Rail (*Laterallus jamaicensis*), Red Knot *Calidris canutus* and Whooping Crane (*Grus Americana*) as federally listed species potentially occurring within the project area. Due to the lack of suitable habitat and distance to known species occurrences, it has been determined that the proposed project will have "no effect" on the aforementioned federally listed species.

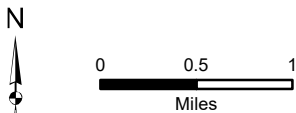
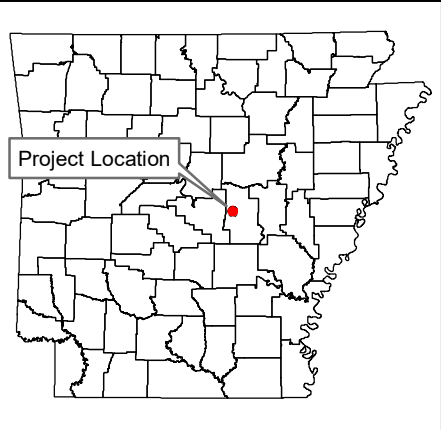
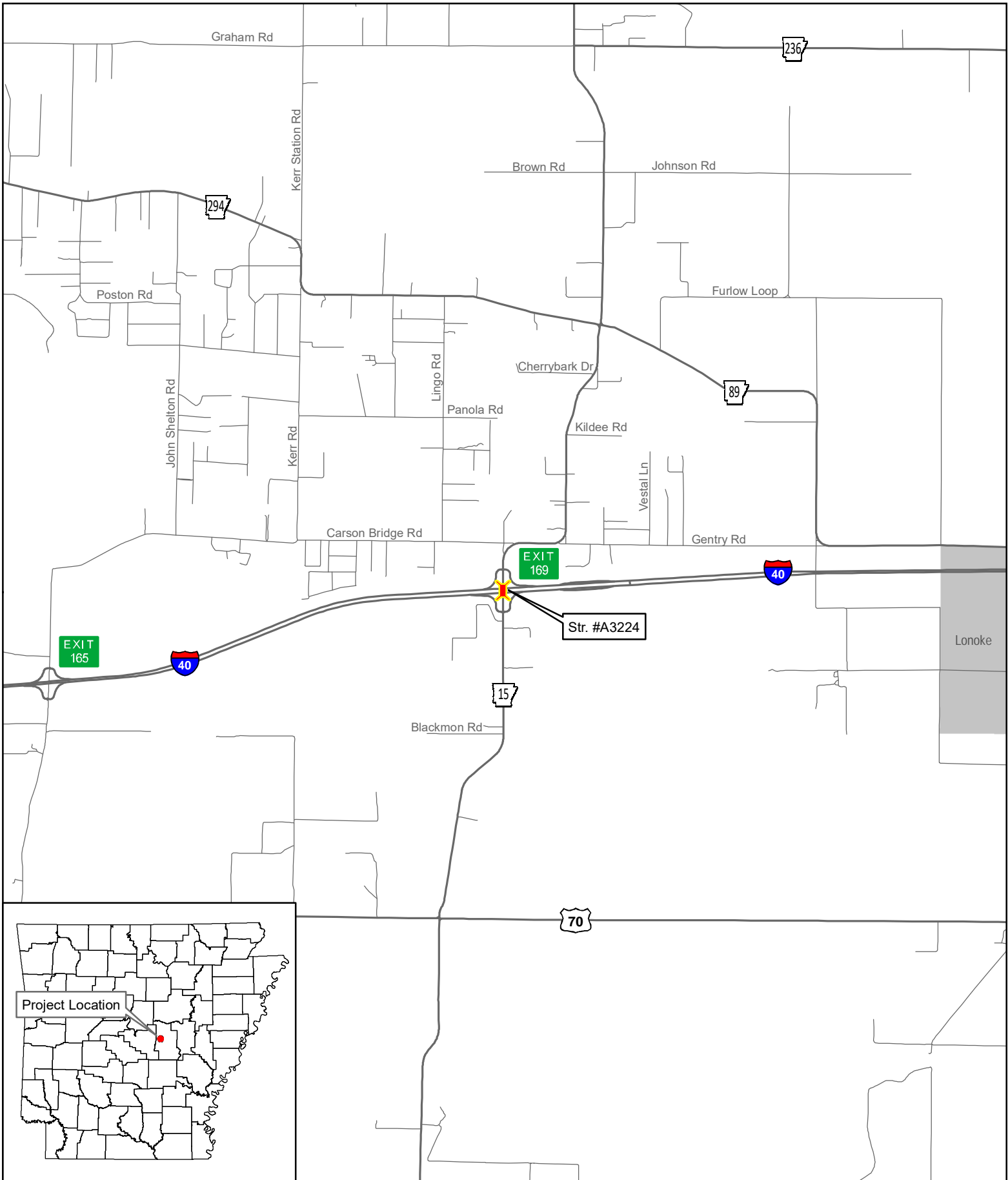
Total impacts to waters of the United States are estimated at less than 0.1 acre. Construction should be allowed under the terms of a Section 404 Nationwide Permit 14 for Linear Transportation Projects as defined in Federal Register 82 (4):1860-2008. A pre-construction notification is not required.

JF:JG:am

Attachments:

- Project Location Map
- SHPO Clearance
- NRCS-CPA-106 form
- Environmental Study Checklist
- Design Criteria form

c: Program Management  
Right of Way  
Roadway Design  
District 6  
FHWA





ARKANSAS DEPARTMENT OF TRANSPORTATION

ArDOT.gov | IDriveArkansas.com | Lorie H. Tudor, P.E., Director

ENVIRONMENTAL DIVISION

10324 Interstate 30 | P.O. Box 2261 | Little Rock, AR 72203-2261 | Phone: 501.569.2281 | Fax: 501.569.2009

April 13, 2020

Secretary Stacy Hurst  
Arkansas Historic Preservation Program  
1100 North Street  
Little Rock, AR 72201


Date 4.14.20  
No known historic properties will be affected by this undertaking. This effect determination could change should new information come to light.  
for Earl Mills  
Arkansas State Historic Preservation Officer

RE: Job Number 061610  
I-40 Str. & Apprs. (Hwy. 15) (S)  
Route 15, Section 11  
Lonoke County

Dear Secretary Hurst:

Enclosed for your review is a Project Identification Form (PIF) regarding the above referenced project. Please provide your effect finding as soon as possible. If you have any questions, contact Richard Jenkins of my staff at 569-2357.

Sincerely,

  
for John Fleming  
Division Head  
Environmental Division

Enclosure  
PIF

JF:KB:RJ:cb

**FARMLAND CONVERSION IMPACT RATING  
FOR CORRIDOR TYPE PROJECTS**

<b>PART I (To be completed by Federal Agency)</b> Job 061610	3. Date of Land Evaluation Request	4. Sheet 1 of _____
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1. Name of Project	5. Federal Agency Involved
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2. Type of Project	6. County and State
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<b>PART II (To be completed by NRCS)</b>	1. Date Request Received by NRCS	2. Person Completing Form
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3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form). YES <input type="checkbox"/> NO <input type="checkbox"/>	4. Acres Irrigated   Average Farm Size
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5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: _____ % _____	7. Amount of Farmland As Defined in FPPA Acres: _____ % _____
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8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS
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<b>PART III (To be completed by Federal Agency)</b>	<b>Alternative Corridor For Segment</b>			
	Corridor A	Corridor B	Corridor C	Corridor D

A. Total Acres To Be Converted Directly				
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B. Total Acres To Be Converted Indirectly, Or To Receive Services				
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C. Total Acres In Corridor				
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<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
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A. Total Acres Prime And Unique Farmland				
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B. Total Acres Statewide And Local Important Farmland				
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C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
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D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value				
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<b>PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)</b>				
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<b>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</b>	<b>Maximum Points</b>			
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1. Area in Nonurban Use	15			
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2. Perimeter in Nonurban Use	10			
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3. Percent Of Corridor Being Farmed	20			
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4. Protection Provided By State And Local Government	20			
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5. Size of Present Farm Unit Compared To Average	10			
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6. Creation Of Nonfarmable Farmland	25			
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7. Availability Of Farm Support Services	5			
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8. On-Farm Investments	20			
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9. Effects Of Conversion On Farm Support Services	25			
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10. Compatibility With Existing Agricultural Use	10			
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TOTAL CORRIDOR ASSESSMENT POINTS	160			
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<b>PART VII (To be completed by Federal Agency)</b>				
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Relative Value Of Farmland (From Part V)	100			
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Total Corridor Assessment (From Part VI above or a local site assessment)	160			
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<b>TOTAL POINTS (Total of above 2 lines)</b>	<b>260</b>			
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1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used?  YES <input type="checkbox"/> NO <input type="checkbox"/>
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5. Reason For Selection:
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Signature of Person Completing this Part:	DATE
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*Joshua Graham*

NOTE: Complete a form for each segment with more than one Alternate Corridor

**ARDOT ENVIRONMENTAL VERIFICATION CHECKLIST  
FOR CONSIDERATION OF POTENTIAL IMPACTS**

ARDOT Job Number 061610 FAP Number NHPP-0043-(35)

Job Title I-40 Str. & Apprs. (Hwy. 15) (S)

Environmental Resource	None	Minimal	Major	Comments-required for each item
Air Quality	X			No air quality/MSAT impacts
Cultural Resources	X			SHPO clearance attached
Economic	X			No adverse impacts
Endangered Species	X			"No effect" determination
Environmental Justice/Title VI	X			EJ populations impacts not anticipated
Fish and Wildlife		X		Temporary impacts during construction
Floodplains	X			Not affected by project
Forest Service Property	X			None in project area
Hazardous Materials/Landfills	X			No sites in project area
Land Use	X			Will not be impacted by project
Migratory Birds		X		Migratory Bird SP included
Navigation/Coast Guard	X			No navigable waterways involved
Noise Levels	X			No increases anticipated
Prime Farmland		X		Up to 0.1 acre of Prime Farmland converted, NRCS form attached
Protected Waters	X			None occur in project area
Public Recreation Lands	X			None in project area
Public Water Supply/WHPA		X		Wellhead Protection SP included
Relocates	X			No relocations
Section 4(f)/6(f)	X			4f resources not present
Social	X			No impacts to the social environment
Underground Storage Tanks	X			No USTs in project area
Visual	X			No changes to visual environment
Streams		X		Nationwide Permit 14
Water Quality		X		Temporary impacts during construction
Wetlands	X			None in the project area
Wildlife Refuges	X			None in the project area

Section 401 Water Quality Certification Required? No  
 Short-term Activity Authorization Required? Yes  
 Section 404 Permit Required? Yes Type Nationwide Permit 14

Remarks:

A pre-construction notification is not required.

Signature of Evaluator  Date 4/16/2020



**PROJECT DESIGN CRITERIA**

DATE: September 24, 2019  
REV.: \_\_\_\_\_

JOB NO: 061610 ROUTE / SECTION: 15 / 11 LENGTH: 0.33 mlie COUNTY: Lonoke  
 JOB NAME: I-40 Str. & Apprs. (Hwy. 15) (S) MIN ORDER: 2018-080  
 2021 ADT: 5,600 2041 ADT: 6,200 TRUCK: 3% 4-LANE GRID SYSTEM: No  
 APHN: Yes INCENTIVE/DISINCENTIVE: Yes FUNCTIONAL CLASSIFICATION: Principal Arterial

**EXISTING CONDITIONS**

ROADWAY WIDTH: 40' WIDTH OF TRAVELED WAY: 20' SHOULDERS (WIDTH/TYPE): 10' Paved  
 BIKE/PED ACCOMMODATIONS: No CRASH RATE: 3.06 STATEWIDE CRASH RATE: 1.07

**BRIDGE INFORMATION**

Bridge No.	Log Mile	Length x Width	Structure Type	BCI	Deck/Culvert Rating	Superstructure Rating	Substructure Rating	Posted
A3224	2.76	308.0' x 42.0'	Steel Multi-Beam	76.24	5	6	5	5

\* Refer to PDC Bridge Information Codes

**RECOMMENDED CRITERIA**

NO. OF LANES: 2 WIDTH: 12' SHOULDERS (WIDTH/TYPE): 8' Paved  
 DIVIDED: No MEDIAN WIDTH: N/A PARKING: No  
 BRIDGE WIDTHS: 40' DESIGN SPEED - RURAL: 55 mph URBAN: N/A  
 DEGREE OF ACCESS CONTROL: Fully Controlled (Within Interchange) CLEAR ZONE: 30' @ 4:1/ 24' @ 6:1  
 LOCATION OF INTERCHANGES: I-40 / Highway 15 (Existing) CHANNELIZED INTERSECTION: Yes  
 TRAFFIC SIGNALS: As Warranted RR X-ING PROTECTION: N/A  
 BIKE/PED ACCOMMODATIONS: No  
 PREVIOUS PLANNING STUDY: No  
 STUDY FINDING: N/A

RECOMMENDED TYPE FUNDS: NHPP  
 PRELIM COST ESTIMATE: ROADWAY: \$800,000 BRIDGE: \$1,800,000 TOTAL: \$2,600,000

**REMARKS:**

Bridge Replacement  
Use AASHTO Green Book

**RECOMMENDED BY:**

Charles Ellis: Charles R. Ellis  
Date: 9-30-19

Trinity Smith: Trinity Smith  
Date: 9/27/19

**APPROVED BY:**

Mike Fugett: [Signature] Date: 10-3-19  
ACE-Design

(ATTACH NEW PROJECT MEMO, LOCATION MAP, AND CRASH ANALYSIS)