



ALABAMA DEPARTMENT OF TRANSPORTATION

FIRST DIVISION
OFFICE OF DIVISION ENGINEER
POST OFFICE BOX 550
GUNTERSVILLE, ALABAMA 35976
TELEPHONE: (256) 582-2254
1-800-819-7418
FAX: (256) 582-8922



Robert Bentley
Governor

John R. Cooper
Transportation Director



February 21, 2013

Mr. Ed Phillips
County Transportation Engineer
Alabama Department of Transportation
Montgomery, Alabama

Dear Sir:

Re: Functional Classification
Change Request
DCP 25-169-13
County Road No. 169
DeKalb County

Attached is the following data to initiate the subject project:

- (*) Resolution (Original)(Location Map)
(*) Letter of Justification and Traffic Count
(*) Safety Assesment Report

If additional information is needed, please let me know.

Sincerely,

Handwritten signature of Johnny L. Harris, PE/PLS
Johnny L. Harris, PE/PLS
Division Engineer



DMG
Attachment
pc: County Engineer
File

- (-) Awaiting submittal
(*) As Submitted by County
(**) As previously Submitted by County

RESOLUTION NO. 13-0212-03

**COUNTY OF DeKALB
STATE OF ALABAMA**

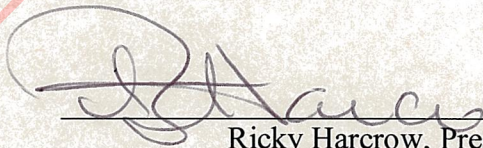
WHEREAS, The DeKalb County Commission is desirous that the Alabama Department of Transportation and the Federal Highway Administration reclassify County Road 169, from its intersection at State Road 75 to the Georgia State Line, comprising approximately 3.8 miles, as a Major Collector under the Highway Functional Classification System; and

WHEREAS, The DeKalb County Commission submits within the letter of transmittal and acknowledges a safety assessment report addressing the current conditions and recommendations listed in the *Alabama Department of Transportation County Road Design Policy* dated December 2006, Chapter 2 "Design Criteria for Resurfacing, Restoration, and Rehabilitation (RRR) of Existing County Roadways and Bridges for all Traffic Volumes", and

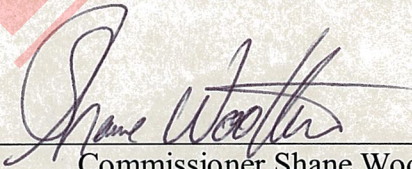
NOW, THEREFORE, BE IT RESOLVED that the President, and the DeKalb County Commission as the governing body, do request that County Road 169 between State Road 75 and the Georgia State Line be designated as a Major Collector under the Highway Functional Classification System.

ADOPTED AND APPROVED, this the 12th day of February, 2013.

**DeKalb County Commission
Governing Body**



Ricky Harcrow, President



Commissioner Shane Wootten



Commissioner Derek Caldwell



Commissioner Chris Kuykendall



Commissioner Dewitt Jackson

ATTESTED BY:



Matt G. Sharp
County Administrator





DeKalb County Engineer's Office

111 Grand Ave. S.W., Suite 115

Fort Payne, AL 35967

Phone: (256) 845-8584 Fax: (256) 845-8504



Benjamin P. Luther, P.E.
County Engineer

February 12, 2013

Mr. Johnny L. Harris, P.E.
First Division Engineer
Alabama Department of Transportation
P.O. Box 550
Guntersville, AL 35976

ATTN: Mr. David Godwin, P.E.

RE: DCP 25-169-13
County Road 169
From State Road 75 to the Georgia State Line
Request for Change in Functional Classification

Dear Mr. Godwin:

Please find enclosed the following information to support a request for a change in functional classification for the above referenced road which is to be submitted for consideration in the ATRIP Program:

- (X) Original Resolution
- (X) Letter of Justification with Location Maps & Traffic Counts
- (X) Safety Assessment Report

If you have any questions or need additional information, please advise.

Thank you.

Sincerely,

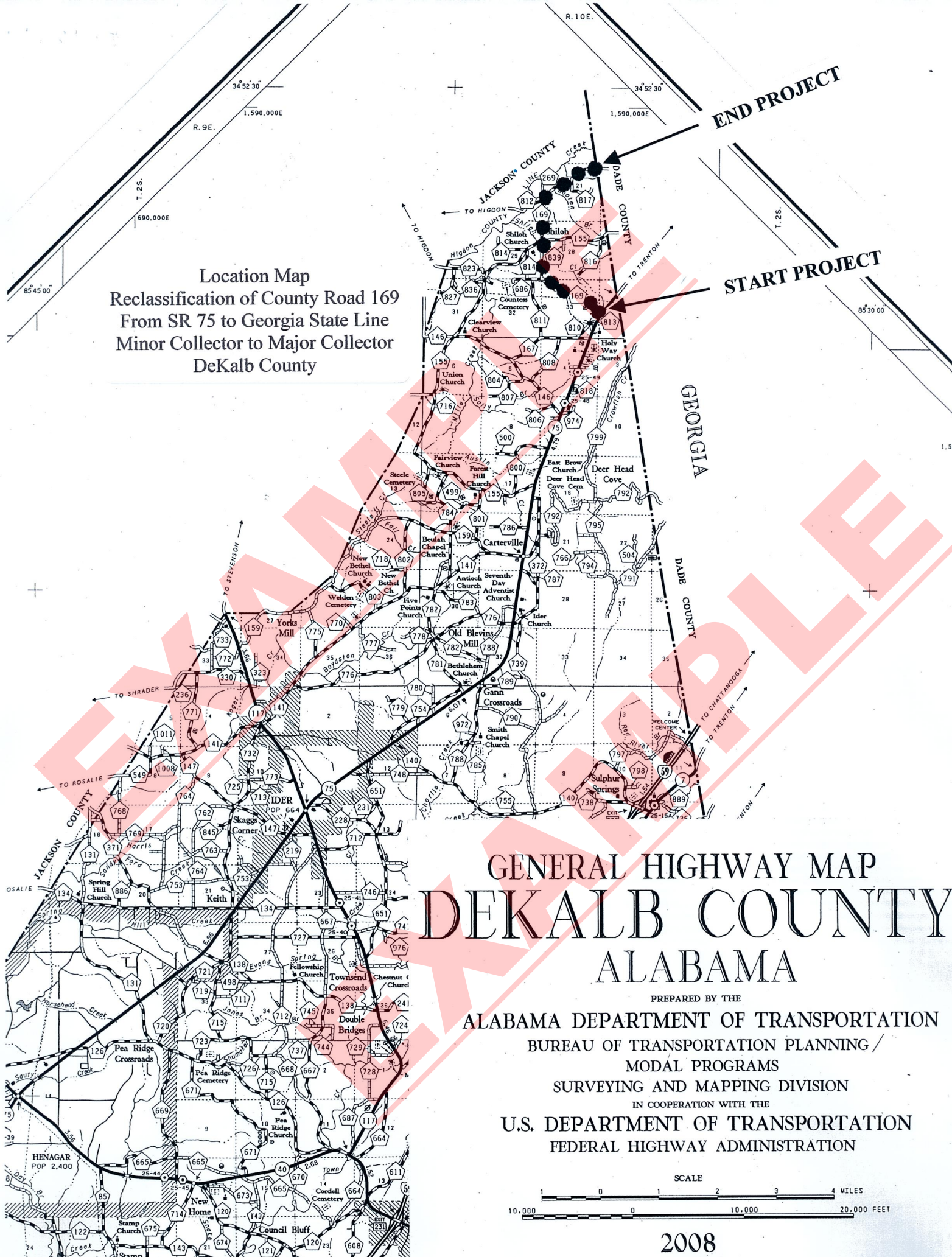
Benjamin P. Luther, P.E.
DeKalb County Engineer

BPL:bpl

Enclosures

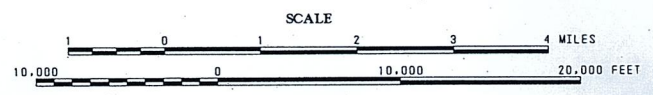
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Location Map
 Reclassification of County Road 169
 From SR 75 to Georgia State Line
 Minor Collector to Major Collector
 DeKalb County



GENERAL HIGHWAY MAP DEKALB COUNTY ALABAMA

PREPARED BY THE
 ALABAMA DEPARTMENT OF TRANSPORTATION
 BUREAU OF TRANSPORTATION PLANNING /
 MODAL PROGRAMS
 SURVEYING AND MAPPING DIVISION
 IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION



2008

HFC Map with Traffic Counts
 Reclassification of Co. Rd. 169
 From SR 75 to Georgia State Line
 DeKalb County

County Road 169
 North of County Road 155
 2012 ADT = 468
 6.8% Trucks

County Road 155
 East of County Road 169
 2012 ADT = 410
 5.0% Trucks

County Road 169
 At State Road 75
 2012 ADT = 351
 5.4% Trucks

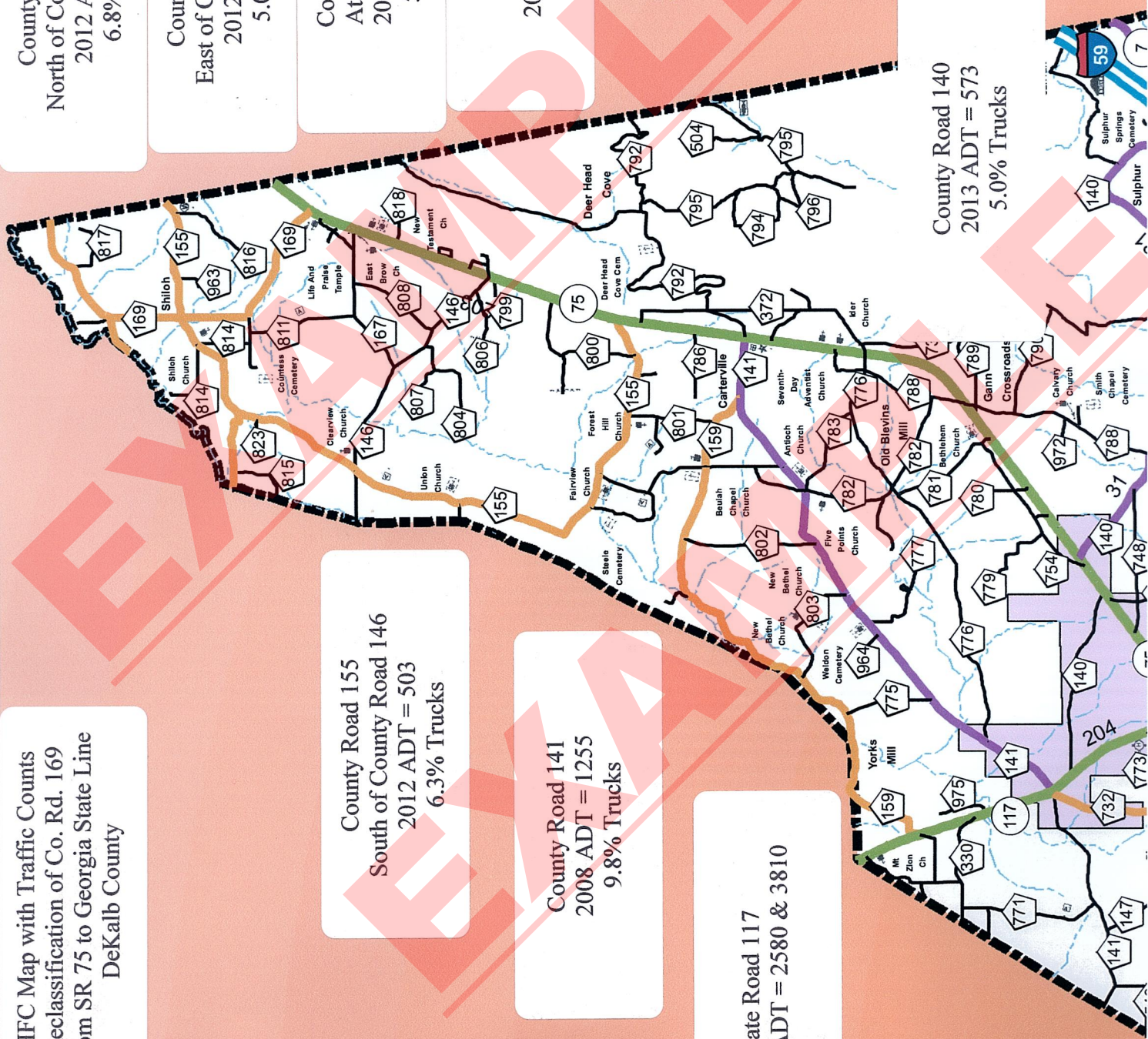
State Road 75
 2011 AADT = 3033

County Road 155
 South of County Road 146
 2012 ADT = 503
 6.3% Trucks

County Road 141
 2008 ADT = 1255
 9.8% Trucks

State Road 117
 2011 AADT = 2580 & 3810

County Road 140
 2013 ADT = 573
 5.0% Trucks



2-24 SADDISTERS

GEORGIA



DeKalb County Engineer's Office

111 Grand Ave. S.W., Suite 115

Fort Payne, AL 35967

Phone: (256) 845-8584 Fax: (256) 845-8504



Benjamin P. Luther, P.E.
County Engineer

January 23, 2013

Letter of Justification
Request for change in Functional Classification
County Road 169 from State Road 75 to the Georgia State Line
Minor Collector to Major Collector

The DeKalb County Commission respectfully requests the above section of roadway be reclassified as a major collector.

County Road 169, a minor collector, begins at State Road 75 just south of the Georgia State Line and travels in a mostly northern direction, passing through the Shiloh Community, before crossing into Georgia. This section of roadway is approximately 3.8 miles in length. There are approximately 80 residences along this section of roadway. There is one church, one flower shop, one auto sales, and several family farms.

County Road 169 has a 2012 ADT volume range of 351-468 vehicles per day with truck traffic ranging from 5.4% to 6.8%. There is one bridge culvert structure along the roadway and it is open to all legal traffic. A portion of the DeKalb County Highway Functional Classification Map is attached showing the traffic volumes of other classified roadways in the area. A location map is also attached.

There are currently no Major Collector roadways north of County Road 141 in DeKalb County.

If you have any questions or need additional information, please advise.

Thank you.

Sincerely,

Benjamin P. Luther, P.E.
DeKalb County Engineer

BPL:bpl

Attachments

Pc: File



ALABAMA DEPARTMENT OF TRANSPORTATION

Bureau of County Transportation
1409 Coliseum Blvd., Montgomery, Alabama 36110-2060
Phone: (334) 242-6207 FAX: (334) 353-6530
Internet: <http://www.dot.state.al.us>



Robert Bentley
Governor

John R. Cooper
Transportation Director

DATE: 1/23/2013

TRAFFIC REQUEST

TO: CHARLES W. TURNEY _____

FROM: D.E. PHILLIPS, JR., P.E.
STATE COUNTY TRANSPORTATION ENGINEER

BY: DEKALB CO.

PROJECT NUMBER: DCP 25-169-13, Co. Rd. 169

PLEASE COMPLETE OR VERIFY THE INFORMATION REQUESTED BELOW.

		YEAR
PRESENT TRAFFIC	351-468	2012
FUTURE (10 YRS.)		
FUTURE (20 YRS.)		

% TRUCK TRAFFIC 5.4 - 6.8

REMARKS: Request for change in Functional Classification

The traffic volumes provided by the County are in compliance with standards as outlined on page 12.62 of the Procedural Guidelines For County Projects, 2007 Edition.

Ben Gutter
County Engineer

DEP:KLW
PC: Division Engineer
County Engineer
File

COUNTY DEKALB
PROJECT NO. DCP 25-169-13
ROUTE County Road 169 from State Road 75 to Georgia State Line

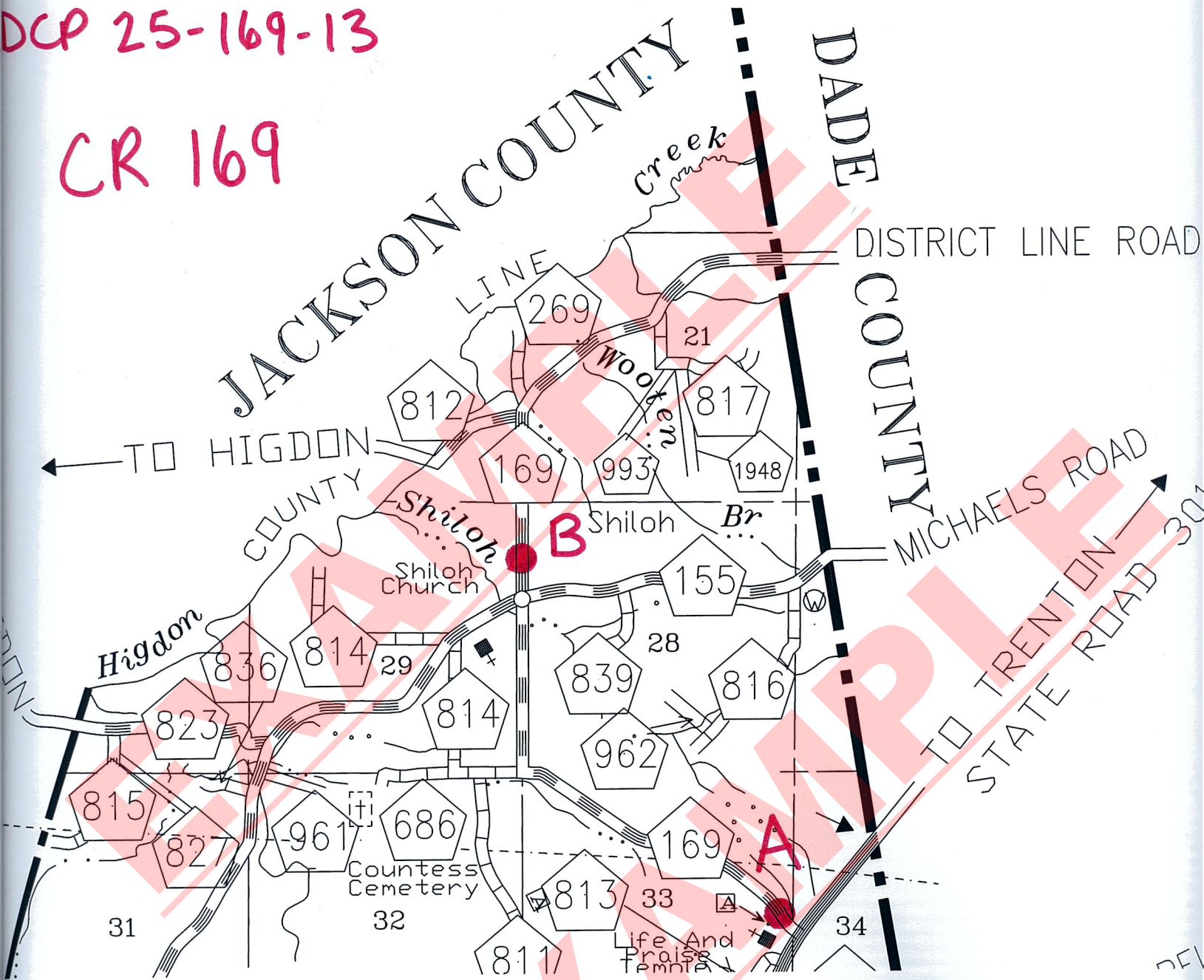
LOCATION	A	B				
AADT 2012	351	468				
AADT 2022						
AADT 2032						
TADT (%)	5.4	6.8				

EXAMPLE

EXAMPLE

DCP 25-169-13

CR 169





DeKalb County Engineer's Office

111 Grand Ave. S.W., Suite 115

Fort Payne, AL 35967

Phone: (256) 845-8584 Fax: (256) 845-8504



Benjamin P. Luther, P.E.

County Engineer

January 23, 2013

**Safety Assessment Report
Request for change in Functional Classification
County Road 169 from State Road 75 to the Georgia State Line
Minor Collector to Major Collector**

1) ASSESSMENT OF CURRENT CONDITIONS

The existing physical and operational conditions have been assessed by Ben Luther, County Engineer. The existing bituminous surface has minor to moderate cracking throughout, with base failure in several locations. The roadway cross section is uneven. Shoulder widths vary.

The accident data does not indicate any road defects contributing to any of the accidents. No public comments are on file or known regarding accidents or unsafe conditions.

2) DETERMINE PROJECT SCOPE

The roadway has been evaluated to determine if any action could be taken to further enhance safety. It has been determined that the roadway surface needs to be patched, leveled, and resurfaced. Aggregate surfacing is to be placed on the shoulders to eliminate any pavement edge drop-offs. Permanent traffic striping, pavement markers, and traffic control markings are to be installed. Any improper mailbox supports will be removed. All signs required by the MUTCD will be installed by DeKalb County at no cost to the project.

3) DETERMINE LANE AND SHOULDER WIDTH

The traffic volume for the roadway has a range of 351-468 vehicles per day in 2012, with 5.4% to 6.8% truck traffic. The projected traffic volume in 2022 has a range of 427-570 vehicles per day. The projected traffic volume in 2032 for ESALs has a range of 521-695 vehicles per day. The truck traffic should remain the same.

The existing pavement is 18 feet in width. It is proposed to patch, level, and resurface the roadway and maintain a 2 foot shoulder. This meets the criteria set forth for "Design Year ADT 1-750" with a design speed of 45 MPH or less and less than 10% truck traffic, according to the "ALDOT County Road Design Policy".

4) DETERMINE NORMAL PAVEMENT CROWN

The existing pavement crown is approximately 2% to 5%. The existing shoulder slope ranges from 4% to 6%. Normal ALDOT procedures specify the resurfaced pavement cross slope is to match the existing pavement cross slope. In most areas, the shoulder width exceeds the required 2 foot width.

5) DETERMINE HORIZONTAL CURVATURE AND SUPERELEVATION

•County Road 169 from State Road 75 to County Road 155 – Design Speed = 40 MPH:

There are a total of seven (7) horizontal curves along this portion of the project. Five (5) will meet or exceed the 40 MPH design speed. Of the remaining two (2) horizontal curves, one (1) curve will meet a 35 MPH design speed and one (1) will meet a 30 MPH design speed. There are no plans to reconstruct any of these horizontal curves.

•County Road 169 from County Road 155 to the Georgia State Line – Design Speed = 35 MPH:

There are a total of eleven (11) horizontal curves along this portion of the project. Eight (8) will meet or exceed the 35 MPH design speed. Of the remaining three (3) horizontal curves, one (1) curve will meet a 30 MPH design speed and the other two (2) will meet a 25 MPH design speed. There are no plans to reconstruct any of these horizontal curves.

6) DETERMINE VERTICAL CURVATURE AND STOPPING SIGHT DISTANCE

•County Road 169 from State Road 75 to County Road 155 – Design Speed = 40 MPH:

There are a total of fourteen (14) vertical curves along this portion of the project. Twelve (12) vertical curves will meet or exceed the 40 MPH design speed. The remaining two (2) crest vertical curves will meet a 35 MPH design speed. Since the accident data does not indicate any accidents related to vertical curvature, no additional improvements are proposed at these sites.

•County Road 169 from County Road 155 to the Georgia State Line – Design Speed = 35 MPH:

There are a total of nineteen (19) vertical curves along this portion of the project. Seventeen (17) vertical curves will meet or exceed the 35 MPH design speed. Of the remaining two (2) vertical curves, one (1) crest vertical curve will meet a 30 MPH design speed and one (1) crest vertical curve will meet a 25 MPH design speed. Since the accident data does not indicate any accidents related to vertical curvature, no additional improvements are proposed at these sites.

7) DETERMINE BRIDGE WIDTH

There is one (1) bridge culvert structure along the roadway. The County does not plan to replace this structure in the near future. The load carrying capacity of this structure is capable of taking the legal loads that use it according to the ALDOT Bridge Rating & Load Testing Section's "Structure Rating Sheet". No posted signs are required.

8) DETERMINE SIDE SLOPES AND CLEAR ZONE

Any necessary clearing to improve sight distance will be completed by County forces. All improper mailbox supports will be removed. All clear zone requirements will be met. The existing minor roadway drainage structures are of sufficient length and construction to cause no obstructions to traffic. Any unusual conditions, which might be considered hazardous, will be considered for elimination or protection.

9) GUARDRAIL NEED FOR EMBANKMENTS AND CULVERTS

All clear zone requirements will be met. The existing minor roadway drainage structures are of sufficient length and construction to cause no obstructions to traffic. Any unusual conditions, which might be considered hazardous, will be considered for elimination or protection.

10) DETERMINE PAVEMENT EDGE DROP AND SHOULDER TYPE

No pavement edge drop problems have been observed on this roadway that would require additional pavement widening. The existing shoulders are compacted topsoil with grass. Aggregate surfacing for the shoulders is planned.

11) DETERMINE INTERSECTION IMPROVEMENTS

Accident data from January 1, 2009 to December 31, 2011 indicated that no accidents were intersection related. Presently no intersection improvements are needed at any intersections along this roadway.

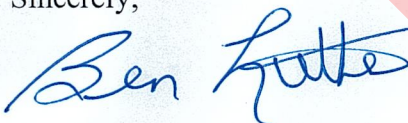
12) DOCUMENT THE DESIGN PROCESS

This report has been created as supportive documentation to reclassify this roadway from a minor collector to a major collector. The DeKalb County Commission plans to submit this project for consideration in the third round of the ATRIP program.

If you have any questions or need additional information, please advise.

Thank you.

Sincerely,



Benjamin P. Luther, P.E.
DeKalb County Engineer

BPL:bpl

Pc: File