

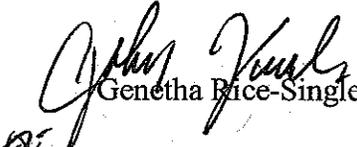
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 221975-, Dodge County  
STP00-0066-01(029)  
Northwest Eastman Bypass

**OFFICE** Preconstruction

**DATE** February 13, 2008

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO**  SEE DISTRIBUTION

**SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

Attachment

**DISTRIBUTION:**

Brian Summers  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Angela Alexander  
Paul Liles  
Tony Collins  
George Brewer  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

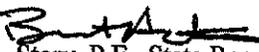
RECEIVED  
OCT 02 2007  
BY:

INTERDEPARTMENT CORRESPONDENCE

**FILE** STP-066-1(29) Dodge County  
PI No. 221975  
Northwest Eastman Bypass from  
US 341/SR 27 North on new location  
to US 23/SR 87

**OFFICE** Road Design  
Atlanta, Georgia

**DATE** October 1, 2007

**FROM**   
Brent A. Story, P.E., State Road & Airport Design Engineer

**TO** Genetha Rice-Singleton, Assistant Director of Preconstruction

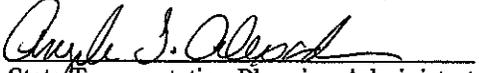
**SUBJECT** Revised Project Concept Report

Attached is the original copy of the Revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The original concept calls for four 12 foot lanes with a 44 foot depressed median. The right-of-way was to be 250 feet and the speed design was 55 mph. The revised concept proposes four 12 foot lanes with a 14 foot flush median. The right-of-way is proposed to be 150 feet and the speed design proposed at 45 mph. ✓

The revised concept as presented herein and submitted for approval is consistent with the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

10-3-07  
Date

  
State/Transportation Planning Administrator

BAS:CAC:TWM:drs

Attachments

cc: Brian Summers, Project Review Engineer  
Glenn S. Bowman, State Environmental/Location Engineer  
Keith Golden, State Traffic Safety and Design Engineer  
Angela T. Alexander, State Transportation Planning Administrator  
Jamie Simpson, State Transportation Financial Management Administrator  
Tony Collins, District Two Engineer  
Paul V. Liles, Jr., State Bridge Design Engineer

# REVISED PROJECT CONCEPT REPORT

**Need and Purpose:** US 23 / SR 87 is a Surface Transportation Assistance Act (STAA) Truck Route and was upgraded in 1992 to allow single and twin trailer trucks. US 23 / SR 87 serves as the main truck access between the cities of McRae and Cochran.

Projects MLP-87(43)(45) are proposed widening and improvements approximately 11 miles of US 23 / SR 87 through Bleckley and Dodge Counties. Project STP-066-1(29) is a project to extend the Eastman Bypass approximately two miles and tie into the southern end of these proposed widening projects.

It is anticipated that the widening of US 23 / SR 87 and the extension of the Eastman Bypass will help enhance the safety and operational characteristics of this route for trucks and passenger vehicles.

This project is needed to satisfactorily accommodate existing and future traffic demands on US 341 / SR 27 to US 23 / SR 87. The purpose of the proposed new location is to provide a facility that will adequately and safely serve current and future travel demand and provide interregional travel continuity for through traffic.

**Project location:** STP-066-1(29) is located in Dodge County and is proposed as a new bypass around the northwest side of Eastman. Four 12 foot lanes with a 14 foot flush median on 150 feet of right-of-way would be constructed between US 341 / SR 27 and US 23 / SR 87. The proposed roadway would begin at US 341 / SR 27, approximately 0.4 miles east of CR 78 / Orphan Cemetery Road, and extend northward onto new location for approximately 0.9 mile. It would then turn northeastward and intersect CR 138 / Fire tower road, CR 348 / Antioch Baptist Church Road, and end at US 23 / SR 87 approximately 0.2 mile south of CR 137 / Old Dodge High Road. The speed design is 45 mph and the total length of the project would be approximately 2.5 miles.

## Description of the approved concept:

**PDP Classification:** Major  Minor

**Federal Oversight:** Full Oversight ( ), Exempt (X), State Funded ( ), or Other ( )

**Functional Classification:** Rural Principal Arterial

**U. S. Route Number(s):** N/A

**State Route Number(s):** N/A

## Traffic (AADT) as shown in the approved concept:

Current Year: 2009 AADT: 1,900-2,900 Design Year: 2029 AADT: 3,550-5,300

**Proposed features to be revised:**

- Proposed typical section: Four 12 ft. wide lanes with a 44 ft. wide depressed grassed median
- Proposed design speed mainline: 55 mph
- Proposed right-of-way: Width: 250 feet
- Access: Partially controlled.

**Describe the revised feature(s) to be approved:**

- Proposed typical section: Four 12 ft. wide lanes with a 14 ft. flush median
- Proposed design speed mainline: 45 mph
- Proposed right-of-way: Width: 150 feet
- Access: By Permit

**Updated traffic data (AADT):**

Current Year: 2009 AADT: 1,900-2,900 Design Year: 2029 AADT: 3,550-5,300

**Programmed/Schedule:**

P.E. 1999 / \$332,000 R/W: 2009 / \$839,000 Construction: LR / \$7,000,000

VE Study Required Yes( ) No( X )

**Revised cost estimates:**

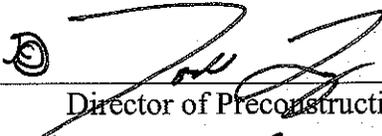
1. Construction cost including inflation and E&C,
2. Right-of-Way, and
3. Utilities

Is the project located in a Non-attainment area? .....Yes X.....No.

**Recommendation:** Recommend that the proposed revision to the concept be approved for implementation.

**Attachments:**

1. Sketch Map
2. Cost Estimate(s)
3. Typical Section

Concur:   
Director of Preconstruction

Approve:   
Chief Engineer

## PRELIMINARY COST ESTIMATE

PREPARED BY: Tim Matthews

PROJECT LENGTH: 2.5 miles

STP-066-1(29), PI. 221975, SR 841/NW Eastman BYP FM SR 27 NE to SR 87

<b>PROJECT COST</b>	
<b>A. RIGHT-OF-WAY:</b>	
1. PROPERTY (LAND & EASEMENT)	\$ 241,727.00
2. DISPLACEMENTS:	\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)	\$ 597,573.00
SUBTOTAL:A	\$ 839,300.00
<b>B. REIMBURSABLE UTILITIES:</b>	
1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 0.00
3. SERVICES	\$ 0.00
SUBTOTAL:B	\$ 0.00
<b>C. CONSTRUCTION:</b>	
<b>1. MAJOR STRUCTURES</b>	
a. BRIDGE	\$ 0.00
b. RE WALL	\$ 0.00
	\$
SUBTOTAL:C-1	\$ 0.00
<b>2. GRADING AND DRAINAGE:</b>	
a. EARTHWORK ( 282,500 cy @ \$4.00)	\$ 1,130,000.00
b. DRAINAGE:	\$ 350,000.00
SUBTOTAL:C-2	\$ 1,480,000.00
<b>3. BASE AND PAVING:</b>	
a. AGGREGATE BASE (69,567 tons @ \$15/ton)	\$ 1,043,505.00
b. ASPHALT PAVING:	

<b>PROJECT COST</b>		
12.5mm Superpave (8,696 tons @ \$80/ton)		\$ 695,680.00
19mm Superpave (11,595 tons @ \$75/ton)		\$ 869,625.00
25mm Superpave (17,392 tons @ \$70/ton)		\$ 1,217,440.00
Bituminous Tack Coat (7,379 GL @ \$0.80/GL)		\$ 5,904.00
	SUBTOTAL:C-3	\$ 3,832,154.00
<b>4. LUMP ITEMS:</b>		
a. GRASSING (20 acre @ \$5000/acre)		\$ 100,000.00
b. CLEARING AND GRUBBING (50 acres @ \$8,000/acre)		
c. LANDSCAPING		\$ 190,000.00
d. EROSION CONTROL (2.5 mile @ 200,000/mile)		\$ 500,000.00
e. TRAFFIC CONTROL		\$ 150,000.00
	SUBTOTAL:C-4	\$ 940,000.00
<b>5. MISCELLANEOUS:</b>		
a. LIGHTING		\$ 0.00
b. SIGNING - MARKING		\$ 67,000.00
	SUBTOTAL:C-5	\$ 67,000.00
<b>6. SPECIAL FEATURES:</b>		
	SUBTOTAL:C-6	\$ 0.00

<b>ESTIMATE SUMMARY</b>	
A. RIGHT-OF-WAY ( )	\$ 839,300.00

<b>ESTIMATE SUMMARY</b>	
<b>B. REIMBURSABLE UTILITIES</b>	\$ 0.00
<b>C. CONSTRUCTION</b>	
1. MAJOR STRUCTURES	\$ 0.00
2. GRADING AND DRAINAGE	\$ 1,480,000.00
3. BASE AND PAVING	\$ 3,832,154.00
4. LUMP ITEMS	\$ 940,000.00
5. MISCELLANEOUS	\$ 67,000.00
6. SPECIAL FEATURES	\$ 0.00
<b>SUBTOTAL CONSTRUCTION COST</b>	<b>\$ 6,319,154.00</b>
E. & C. (10%)	\$ 631,915.00 ✓
<b>TOTAL CONSTRUCTION COST</b>	<b>\$ 6,951,069.00</b> ✓
<b>GRAND TOTAL PROJECT COST</b>	<b>\$ 7,790,369.00</b>

# Department of Transportation State of Georgia

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Interdepartmental Correspondence

**FILE** R/W Cost Estimate **OFFICE** Atlanta  
**DATE** September 25, 2007

**FROM** Phil Copeland, Right of Way Administrator

**TO** Brent A. Story, P.E. / WDT., State Road and Airport Design Engineer

**ATTN:** Daniel R. Sabia III

**SUBJECT** **Preliminary Right of Way Cost Estimate**  
**Project: STP-0006-1(29)Dodge UPDATE**  
**PI. No.: 221875**  
**Description: SR 841 from SR 27 to SR 87**

As per your request, attached is a copy of the approved Revised Preliminary Right of Way Cost Estimate on the above referenced project.

Please note the area of Required R/W was furnished with your request. **Please include total Required R/W areas for the entire corridor in all future requests.**

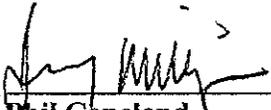
If you have any questions, please contact Jerry Milligan at the Chamblee Right of Way Office at (770) 986-1541.

PC:GAM

Attachments

cc: Brian Summers, Engineering Services  
Wes Brock, R/W  
Windy Bickers, Financial Management  
File

# Preliminary Right of Way Cost Estimate

  
**Phil Copeland**  
 Right of Way Administrator  
 By: Jerry Milligan

Date: September 25, 2007  
 Project: ~~STP-0086-1(29)~~Dodge UPDATED  
 Existing/Required R/W: Varies/Varies  
 Project Termini : SR 841 / NW Eastman Bypass from SR 27 to SR 87t  
 Project Description: SR 841 Widening Project

P.I. Number: 221975  
 No. Parcels: 12

Land: R/W Agricultural / Res.: 44.23 acres @ \$4,900 / acre \$ 216,727

Improvements : misc. site improvements 25,000

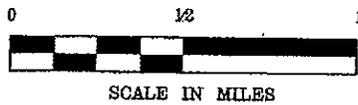
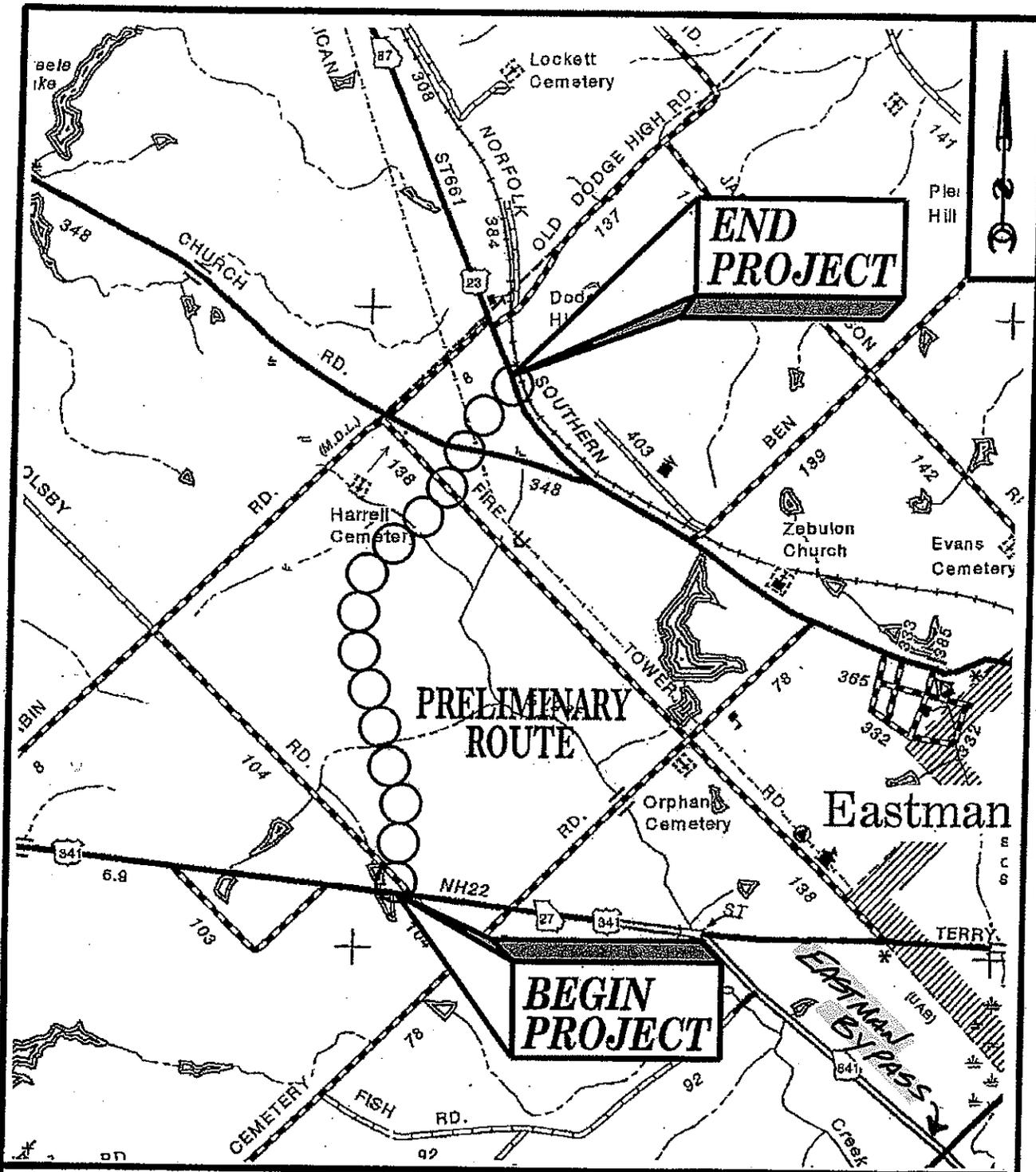
Relocation: Residential ( 0 )  
 Commercial ( 0 ) 0

Damage : Cost to Cure (0) parcel  
 Proximity ( 0 )parcel  
 Uneconomic Remnant 0

Net Cost \$ 241,727

Net Cost		\$ 241,727
Scheduling Contingency	55 %	132,950
Adm/Court Cost	60 %	224,806
Market Appreciation	40 %	<u>239,793</u>
		\$ 839,276,

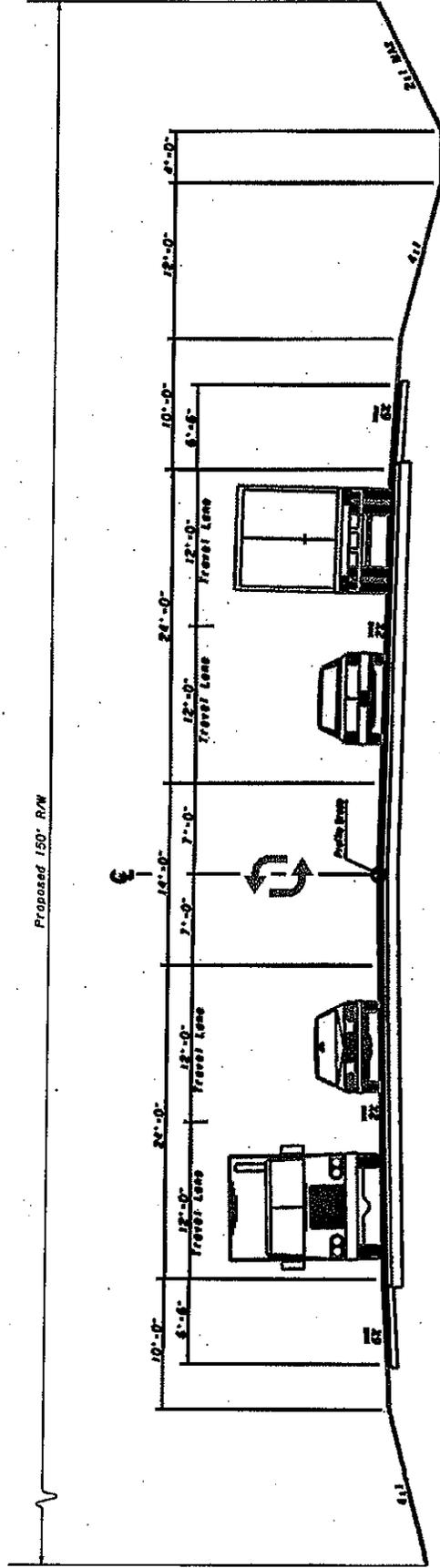
**Total Cost \$839,300**



STRIP MAP  
 STP-066-1(29)  
 NORTHWEST EASTMAN BYPASS  
 DODGE COUNTY

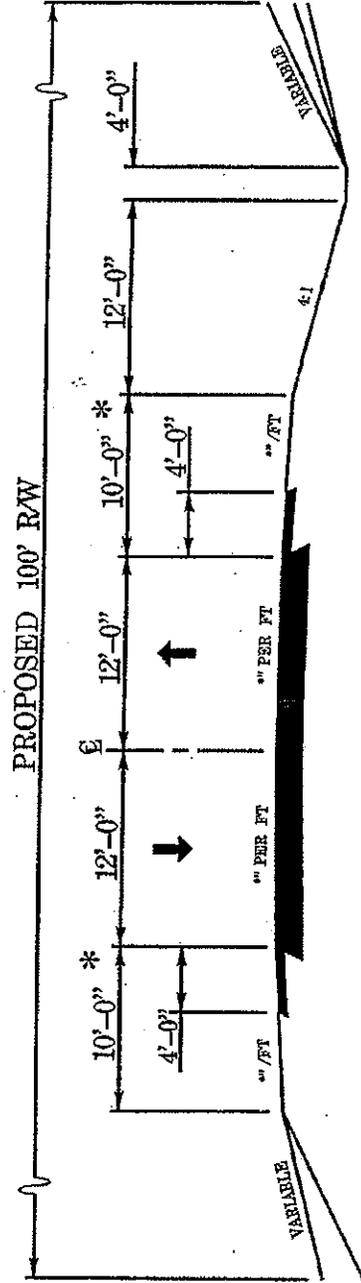
P.I.# 221975

SOURCE: GENERAL HIGHWAY MAP, DODGE CO., GEORGIA  
 PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1985



MAINLINE TYPICAL SECTION  
 NORTHWEST EASTMAN BYPASS  
 STP-066-1(29) DODGE COUNTY

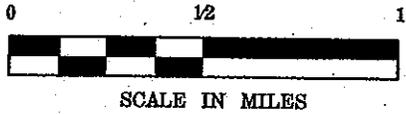
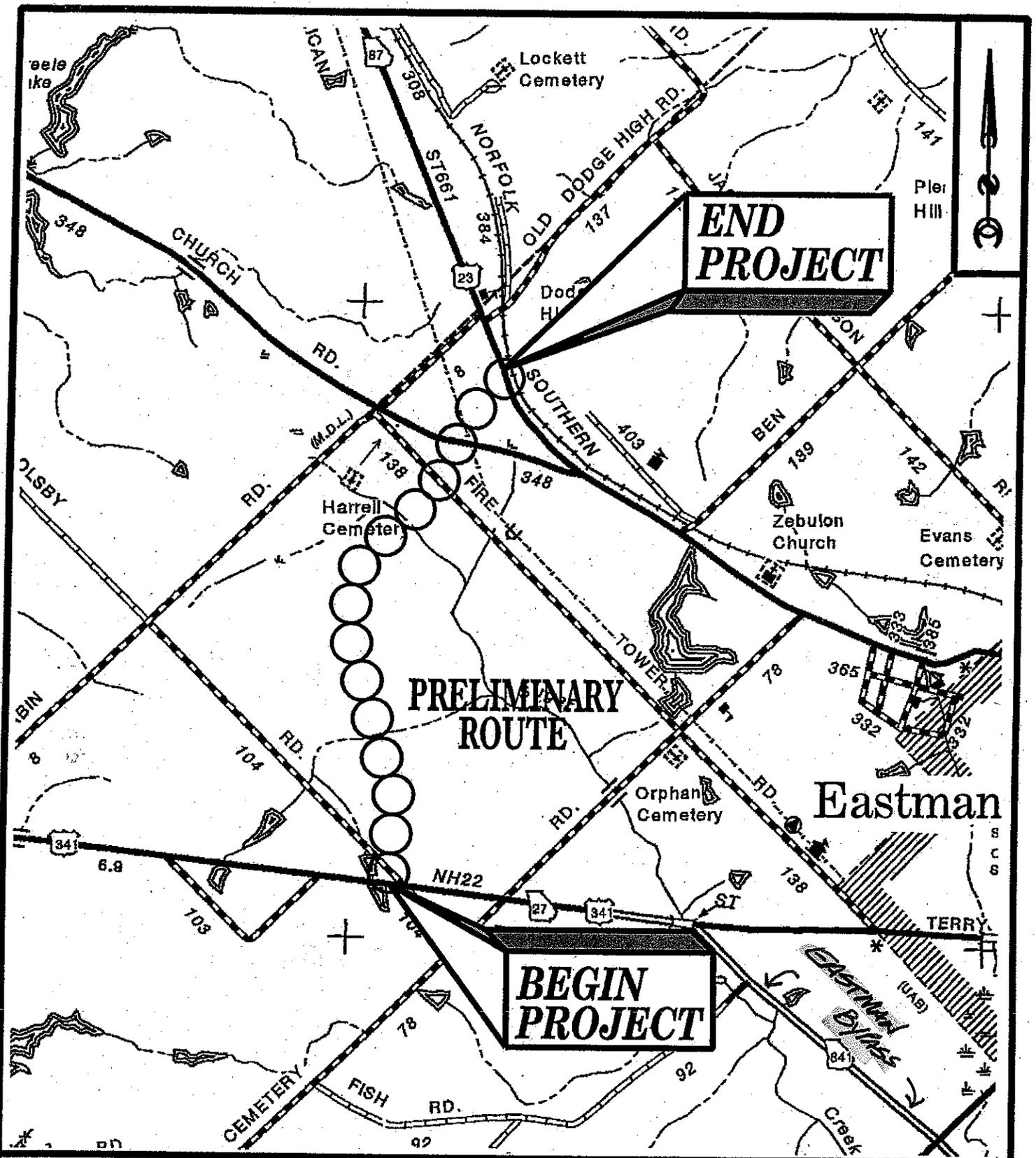
NOT TO SCALE



\* 15'-6" WGUARDRAIL

SIDEROADS TYPICAL SECTION  
 NORTHWEST EASTMAN BYPASS  
 STP-066-1(29) DODGE COUNTY

NOT TO SCALE



LOCATION

STRIP MAP  
STP-066-1(29)  
NORTHWEST EASTMAN BYPASS  
DODGE COUNTY

P.L.# 221975

SOURCE: GENERAL HIGHWAY MAP, DODGE CO., GEORGIA  
PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1986