

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE MR-9108(5) Clayton County OFFICE Preconstruction  
P.I. No. 751775  
DATE February 7, 1991

FROM *CWH*  
C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - BATTLECREEK ROAD

Attached for your files is the approval for subject project.

CWH/se

Attachment

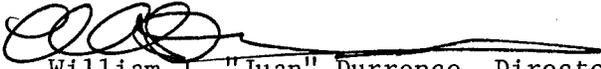
DISTRIBUTION:

- Juan Durrence
- Robert E. Humphrey
- Frank Danchetz
- Gene Skeen
- Walker Scott
- Darrell Elwell
- Ron Colvin
- Paul Mullins

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE MR-9108(5) Clayton County OFFICE Preconstruction  
 P.I. No. 751775 DATE January 24, 1991

FROM   
 William J. "Juan" Durrence, Director of Preconstruction

TO Hal Rives, Commissioner

SUBJECT BATTLECREEK ROAD - PROJECT CONCEPT REPORT

This project is the widening of Battlecreek Road from Valley Hill Road east to Southlake Parkway in Morrow for a project length of 2.05 miles(±). The existing road has variable 22' to 24' of pavement and variable 4' to 6' shoulders on 60' of right-of-way. There is a bridge at Jesters Creek which will be replaced under Project BRMLB-9108(3), P.I. No. 751730 and will be coordinated with subject project. Current and future traffic is 13,300 VPD (1995) and 23,700 VPD (2015).

The proposed project will widen Battlecreek Road between above termini to have an urban section with 4-12' lanes w/20' raised median. This project will tie into Project MR-9108(4) which has a similar typical section. Median openings will be provided at selected locations. Additional right-of-way will be acquired by the County. It is anticipated that one crest vertical will have to be improved to meet the 45 MPH design speed. Traffic will be maintained on existing road during construction. The estimated cost of the project is:

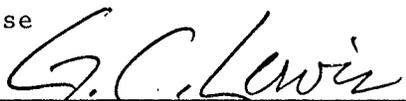
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>LET DATE</u>
Constr(Infl&E/C)	\$4,089,000**	\$1,789,000	FY 93
Right-of-way	LGPA*	LGPA	Preprogram
Utilities	LGPA*	LGPA	

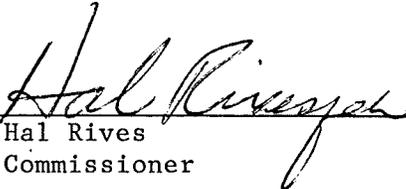
\*LGPA to be sent after concept approval

\*\*Original and proposed cost estimates were prepared by the County, however, the original estimate was based upon a 5 lane rural section with a lesser pavement design and did not include inflation or E/C costs.

I recommend that we approve this project concept report, that the project be removed from Preprogram Status and added to the Construction Work Program. A public hearing will be held by the County.

WJD/WLP/se

CONCUR:   
 G. C. Lewis  
 State Highway Engineer

APPROVED:   
 Hal Rives  
 Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

RECEIVED

JAN 14 1991

INTERDEPARTMENT CORRESPONDENCE

PRECONSTRUCTION

**FILE** MR-9108 (5) Clayton County  
P.I. No. 751775  
Battlecreek Road

**OFFICE** Atlanta, Georgia

**DATE** January 11, 1991

**FROM** Robert E. Humphrey, Project Review Engineer **REH:mj0**

**TO** William J. Durrence, Director of Preconstruction

**SUBJECT** PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project and have the following comment:

The Report states that Utility relocations and Right of Way acquisitions will be the responsibility of local government, however, a Local Government Project Agreement was not included with the Report.

We have received signed cover sheets from the following offices:

1. Traffic and Safety
2. Environmental
3. District Engineer
4. Road Design

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$3,379,000
Inflation (5% per year) x 2 yrs.	337,900
E & C (10%)	371,690
Preliminary Engineering (5%)	185,850
Right of Way	LGPA
Utilities	LGPA

MJB/jmf

Attachments

c: Don Watson



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

**9108**

**FILE** MR-9018(5), Clayton  
P.I.# 751775  
Battle Creek Road

**OFFICE** District Seven  
Chamblee, Georgia

**DATE** December 13, 1990

**FROM** Donald G. Watson, Metro District Engineer

**TO** Robert E. Humphrey, P.E., Project Review Engineer - Engineering Services

**SUBJECT** MINOR REVISION OF CONCEPT REPORT

The concept report on the above project which was submitted to your office on November 2, 1990, requires a minor revision pertaining to the project limits.

It was noticed by our office that the project limits for the above project on Battle Creek Road and the adjoining project to the east [MR-9018(5)] for the widening of Mount Zion Boulevard overlap by 0.37 miles.

After further investigation it was determined that project MR-9108(5) for Battle Creek Road should end at the intersection with Southlake Parkway. Therefore please revise the limits for the previously submitted concept report on the above project before submission for final approval. Project length should be 2.05 miles after this revision.

If you have any questions please contact Joe Leoni at 986-1050.

Sincerely,

Donald G. Watson  
Metro District Engineer

*Joseph A. Leoni*

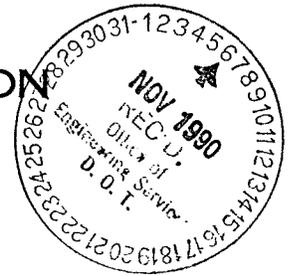
BY: Joseph A. Leoni  
District Design Engineer

xc: Walker Scott  
Frank Danchetz  
Ron Colvin  
Wayne Hutto  
Wade Brannan, Clayton County Engineer

DGW:JAL:kmp



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE MR-9108(5), Clayton  
Battlecreek Road  
P.I.# 751775

OFFICE District Seven  
Chamblee, Georgia  
DATE November 2, 1990

FROM Paul V. Mullins, P.E., Metro District Engineer

TO Robert Humphrey, P.E., Project Review Engineer - Engineering Services

SUBJECT PROJECT CONCEPT REPORT

Attached please find the proposed project concept report for your review and further handling.

If you have any questions please advise.

Danny H. Godwin  
District Preconstruction Engineer

Attachment

xc: Walker Scott  
Frank Danchetz  
Ron Colvin

PVM:DHG:kmp





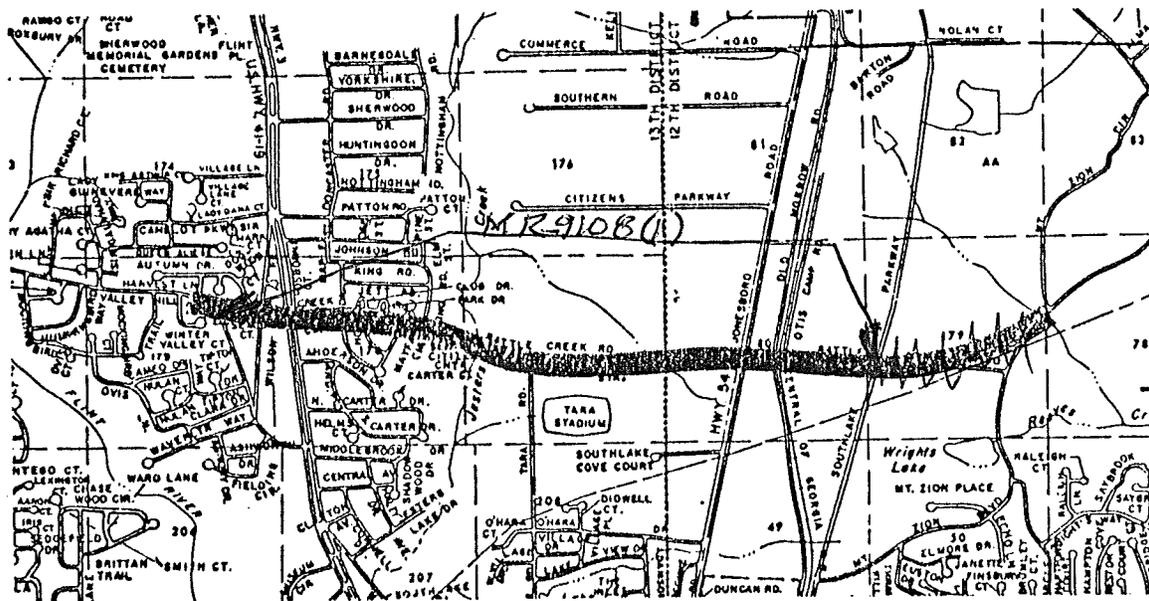
DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

--- BATTLECREEK ROAD ---  
MR-9108(5)

STATE ROUTE NO. N/A  
GADOT PI NO. 751775



DATE OF REPORT: August 15, 1990

RECOMMENDATION FOR APPROVAL

8-15-90  
DATE

*Wade Brannon*  
COUNTY ENGINEER, CLAYTON COUNTY

11/8/90  
DATE

*Wade Brannon*  
ROAD & AIRPORT DESIGN ENGINEER

DATE

ENVIRONMENTAL / LOCATION ENGINEER

DATE

TRAFFIC & SAFETY ENGINEER

11/1/90  
DATE

*Paul W. Mullin*  
DISTRICT ENGINEER

DATE

PROJECT REVIEW ENGINEER

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE MR-9108(5) Clayton County  
P.I. No. 751800

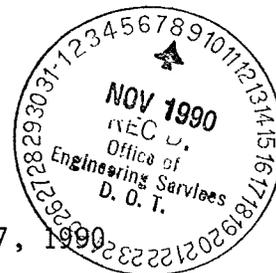
OFFICE Atlanta

DATE November 7, 1990

FROM *Walker W. Scott*  
Walker W. Scott, P.E., State Road & Airport Design Engineer *R.H.*

TO Robert E. Humphrey, Project Review Engineer

SUBJECT Project Concept Report



We have reviewed the concept report for the above project. This report is satisfactory for approval. Attached is a signed cover sheet for your use.

WWS:MG:bc  
Attachment

!

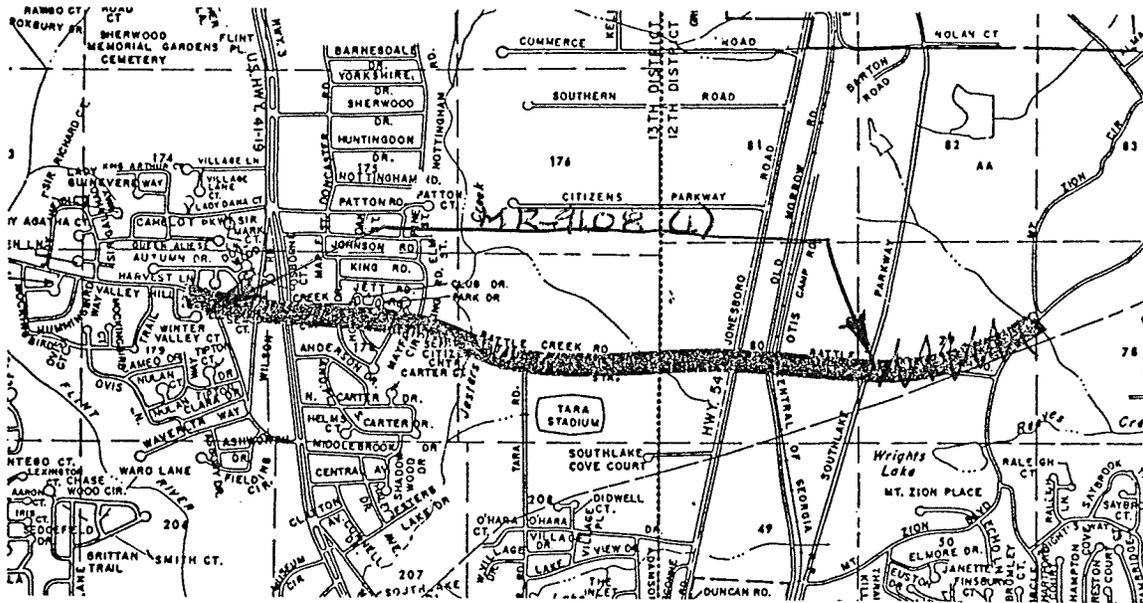
DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

---- BATTLECREEK ROAD ----  
MR-9108(5)

STATE ROUTE NO. N/A  
GADOT PI NO. 751775



DATE OF REPORT: August 15, 1990

RECOMMENDATION FOR APPROVAL

8-15-90  
DATE

Wade Brannan  
COUNTY ENGINEER, CLAYTON COUNTY

DATE

ROAD & AIRPORT DESIGN ENGINEER

DATE

ENVIRONMENTAL / LOCATION ENGINEER

11/8/90  
DATE

Don Colvin  
TRAFFIC & SAFETY ENGINEER

11/1/90  
DATE

Paul V. Mullin  
DISTRICT ENGINEER

DATE

PROJECT REVIEW ENGINEER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE MR-9108 (5)  
Clayton County  
P.I. No. 751775

OFFICE Atlanta, Ga.  
DATE November 8, 1990

FROM *RC* Ron Colvin, P.E., State Traffic & Safety Engineer  
TO Robert E. Humphrey, Project Review Engineer

SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project for the proposed widening of Battle Creek Road from Valley Hill Road to Mt. Zion Blvd. The existing two lane roadway will be widened to a four lane urban section with a 20 ft. raised median. While we believe this concept will improve safety and operational capacity along this roadway, we recommend increasing the minimum right-of-way width from 90 ft. to 100 ft. to allow for a 12 ft. lateral clearance to the face of utility poles and strain poles. With this, we find this report satisfactory for approval.

RC:CKE:lw  
Attachment (signature page)  
cc: Danny Godwin; Paul Mullins - Chamblee

Date:

PROJECT CONCEPT REPORT

PROJECT NO.: MR 9108 (5)

CLAYTON COUNTY

P.I. NO.: 751775

ROUTE NO.: CR 1342

LOCATION: Beginning at the intersection of Battlecreek Road and Valley Hill Road and proceed easterly to the intersection of Battlecreek Road and Mt Zion Blvd.

TRAFFIC:

CURRENT ADT: 13,300 ADT (1995)

DESIGN ADT: 23,710 ADT (2015)

EXISTING TYPICAL SECTION: Two lane rural section with curb & gutter near some major driveways. 22 - 24 feet asphalt paved surface with 4 - 6 foot grass shoulders. 60 Rt. Right of Way.

EXISTING MAJOR STRUCTURES: Bridge over Jester's Creek.

POSTED SPEED: 40 mph

ACCIDENT DATA: Not available at this time.

STATEMENT OF NEED AND PURPOSE: To increase Capacity and safety by providing increased number of lanes, proper road shoulders and controlled left turn movements by installation of a 20 foot raised median.

PROJECT CONCEPT

2.05 mfb (see attached letter dated 12-13-81 from Dan Wasson)

LENGTH: 12,000 lf = 2.27 miles.

BEGINNING: Intersection of Battlecreek Road and Valley Hill Road

ENDING: Intersection of Battlecreek Road and ~~Mt Zion Blvd.~~ Southlake Pkwy.

PDP CLASSIFICATION: Major

FUNCTIONAL CLASSIFICATION: Urban Collector

MAX DEG OF CURVE:  
5.5 degree

MAX GRADES  
7 %

DESIGN SPEED: 45 mph

PROPOSED TYPICAL SECTION: Four 12 foot lanes with 20 foot raised median. Left turn median openings in approved locations; asphaltic concrete paving; shoulder width will be 10 feet including 30" concrete curb & gutter. 90 Ft. Right of Way

MAJOR STRUCTURES: Bridge @ Jester's Creek, to be widened under project No. BRMLB-9108(3), P.I. NO.751730.  
Culvert extension @ branch of Jester's Creek.

TYPE ACCESS: By County permit only.

TRAFFIC CONTROL DURING CONSTRUCTION: Traffic will be maintained at all times by lights, barricades and flagmen. A minor detour inside the proposed right-of-way may be required.

ESTIMATED COST:

R/W	\$	0	Acquired by Clayton County
UTILITIES	\$	0	By Clayton County
CONSTRUCTION	\$	3,191,010	
E & C (10%)	\$	319,101	
INFLATION (5%) 2 yrs.	\$	<u>319,101</u>	
TOTAL CONST COST	\$	3,829,212	

PERMITS REQUIRED: 404 permit possibly required

DISPLACEMENT: None anticipated

LEVEL OF ENVIRONMENT ANALYSIS: Environmental Accessment

LEVEL OF PUBLIC INVOLVEMENT: Public Hearing

TIME SAVINGS PROCEDURES APPROPRIATE: YES ( ) NO (x)

DESIGN EXCEPTIONS REQUIRED: None

ALTERNATES CONSIDERED: 1) Build      2) No Build

OTHER PROJECTS IN AREA:

Project No. FR-164-1(28)ST, PI # 751295; Hwy 54 from Oxford Drive in the City of Morrow to Hwy. 138 Bypass in the City of Jonesboro.

Project No. PR-1550-2(063), PI # 762140; Southlake Pkwy. from Mt. Zion Road to N. McDonough Street.

Project No. MR-9108(4), PI # 751770; Mt. Zion Blvd. from Battlecreek Road to Lake Harbin Road.

CONCEPT TEAM MEETING HELD: August 15, 1990

PRESENT: See attached minutes.

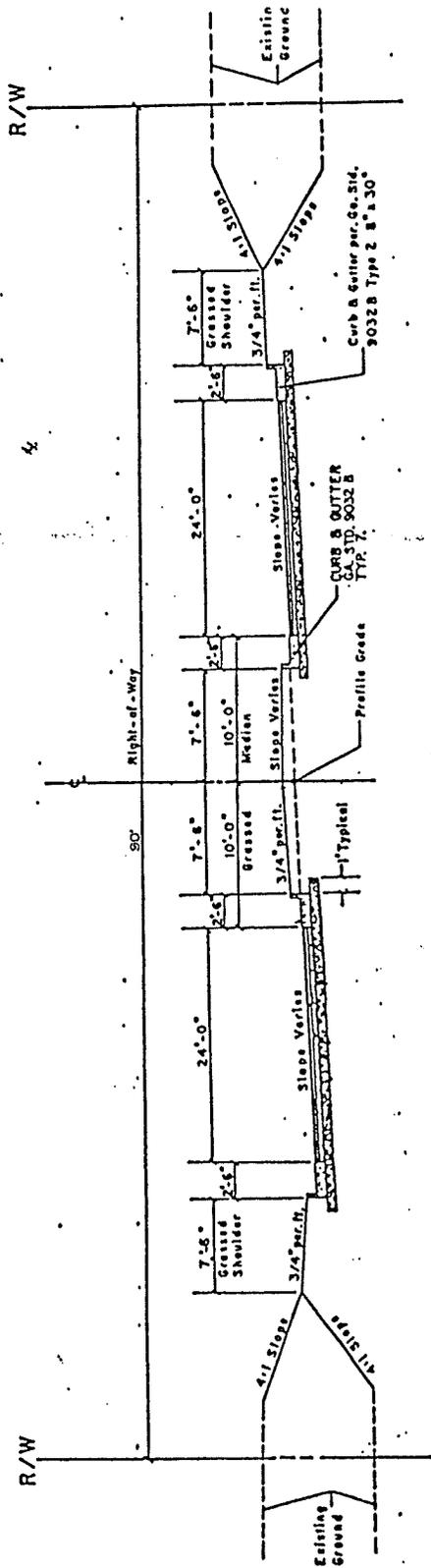
FIELD REVIEW HELD: August 10, 1990

COMMENTS:

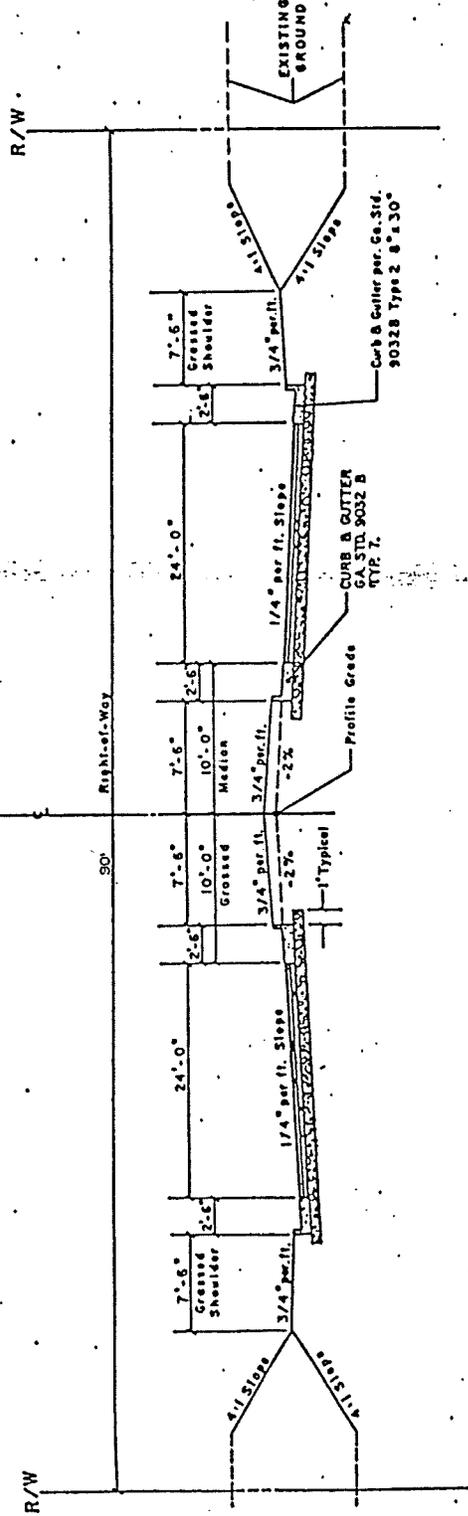
Southern Railway tracks cross Battlecreek Road just east of State Route 54.

At least one vertical crest will require lowering to obtain the speed design.

ATTACHMENTS: Concept team meeting minutes, Estimate, Typical Section, Traffic Diagrams.



TYPICAL SECTION  
Superelevation



TYPICAL SECTION  
Normal Crown

EXAMPLE:  
NOT TO BE USED FOR  
PLAN PREPARATION.

# BATTLECREEK ROAD



TRAFFIC ASSIGNMENT DIAGRAM

For Design Purposes

Year 1995 (2015) Route Section M.P. 1.35  
BATTLECREEK RD. @ JONESBORO  
RD. / S. R. 54

1995 ADT  
 (2015 ADT)

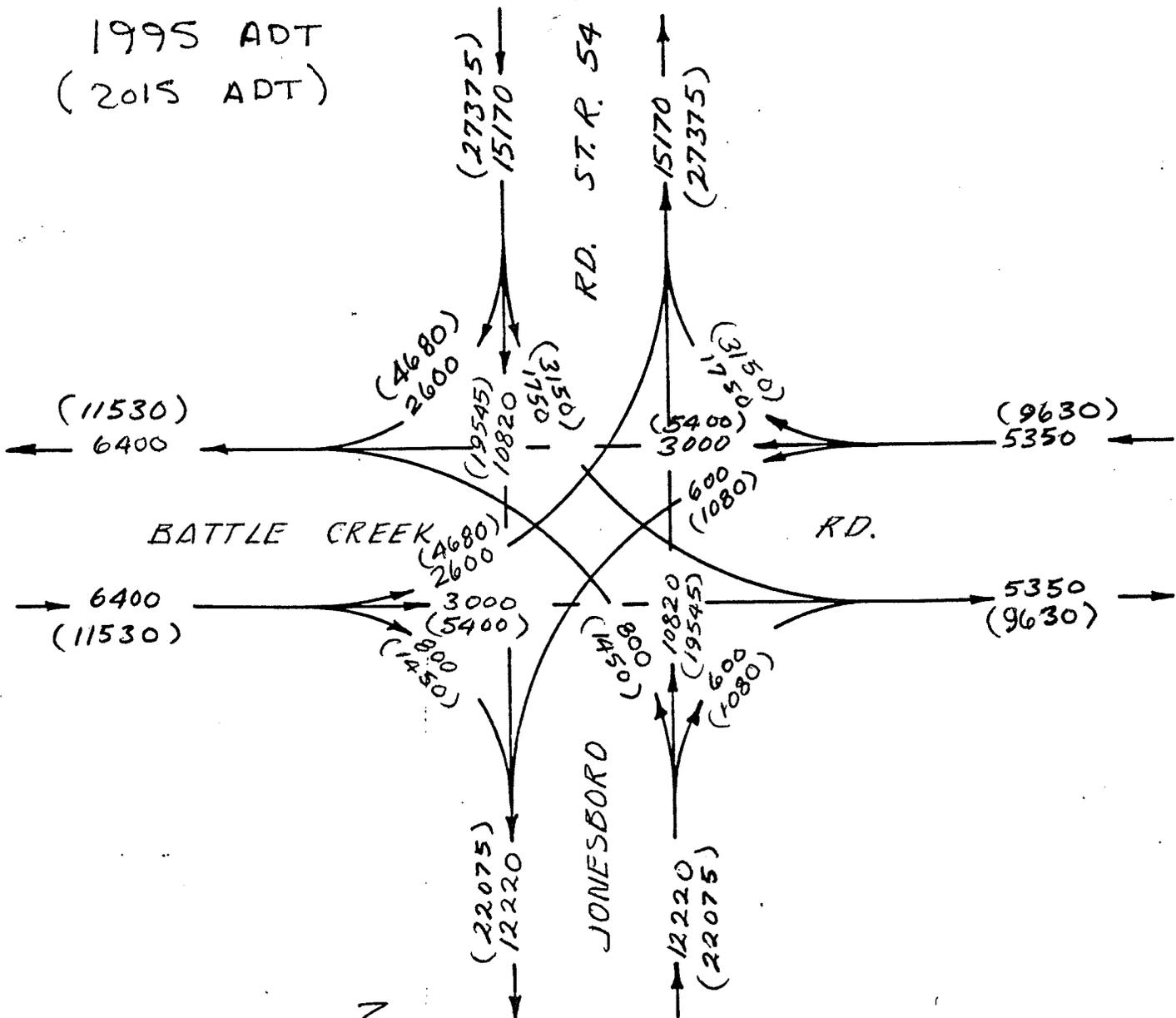


DIAGRAM NO. 2

DATE 10-90

REVISED \_\_\_\_\_



TRAFFIC ASSIGNMENT DIAGRAM

For Design Purposes

Year 1995(2015) Route Section M.P. 3.01  
BATTLE CREEK RD. @ MT. ZION RD.

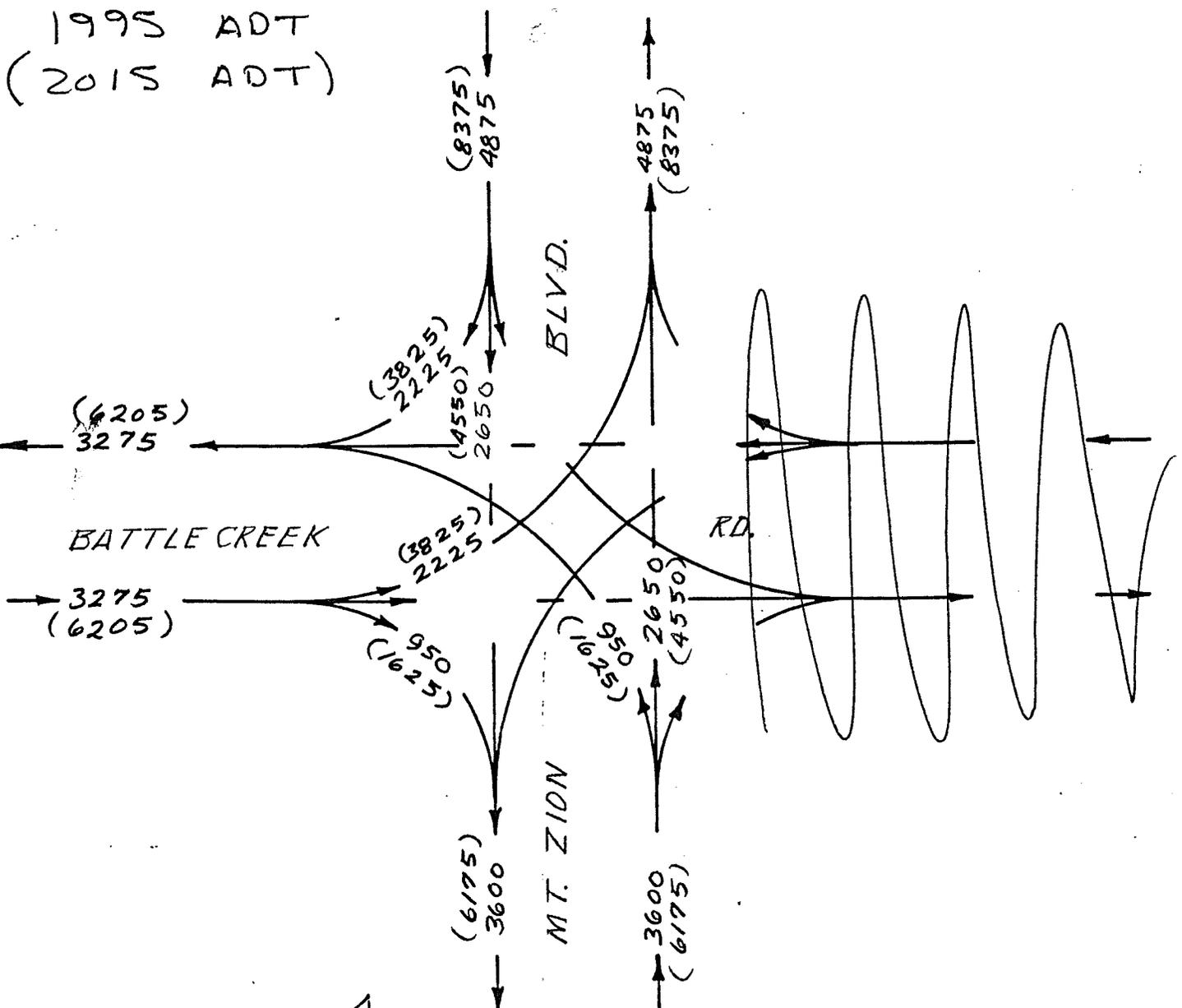


DIAGRAM NO. 4

DATE 10-90

REVISED \_\_\_\_\_

CONCEPT TEAM MEETING MINUTES

DATE OF MEETING: Aug. 15, 1989

PLACE: District Seven Preconstruction Office

PROJECT No. MR9108(5) Clayton

P.I.No. 751775

PROGRAMMED DESCRIPTION: Widen and Reconstruct Battle Creek Rd.  
from Valley Hill Rd. to Mt. Zion Blvd.

PROJECT LENGTH: <sup>2.05</sup>~~2.42~~ miles

TRAFFIC DATA: 13,300 (1995 ADT) 23,710 (2015)

APPROX EXISTING ROADWAY WIDTH/TYPE PAVEMENT:  
Two Lane rural section, 22-24 feet Asphalt pavement with 4-6 foot  
grass shoulders.

PROPOSED DESIGN SPEED: 45 mph

EXISTING STRUCTURES: Bridge Replacement at Jester's Creek under  
Project BRMLB-9108(3) P.I.No.751730.

PROPOSED ROADWAY WIDTH: Four 12 foot Lanes with 20 foot raised  
median, URBAN Section.

PROPOSED R/W: 90'

ENVIRONMENTAL REQUIREMENTS: Environmental Accessment

COST ESTIMATE (AS PROGRAMMED): \$ 1,789,000

(AS ESTIMATED): \$ 3,561,010 (does not include  
E.& C.or inflation)

LGPA: R/W and Utilities by County

RAILROAD INVOLVEMENT: Battle Creek Rd. crosses Southern Rlwy.

PERSONNEL PRESENT:

<u>NAME</u>	<u>DEPARTMENT</u>
Danny Godwin	District 7 Preconstruction
Ken Estes	Traffic & Safety - G.O.
Mike Gannaway	Road Design - G.O.
Andy Rikard	District 7 Utilities
Jason McCook	District 7 Preconstruction
Robert Crawford	District 7 Preconstruction
Debi Gibby	District 7 Preconstruction
Andrew Adams	Clayton County
Gus Sawhney	Clayton County

The following Comments were made.  
See Attachment

Environmental: No Report

Right of Way: To be accuired by Clayton County.

Utilities: The following Utilities will be involved. Ga. Power, Southern Bell, Atlanta Gas Light Co., Wometco Cable TV of Clayton Co., Clayton Co. Water authority, Trans Continental Gas. Coordination with Southern Rlwy. should begin as soon as possible.

TRAFFIC & SAFETY:

- Concept drawing should be submitted to Traffic and Safety to review median openings.
- Driveways to Williams Bros Concrete should be shifted easterly from railroad.
- Obtain Hazard Index for Railroad Crossing.

Road Design:

Dual left turns may be required at Tara Blvd. (U.S.41).

DISTRICT: Bridge Replacement Project will need to be coordinated with this project.

PRELIMINARY COST ESTIMATE

DATE: August 15, 1990

PROJECT NO. MR 9108 (5)

P.I. NO. 751775

PROJECT DESCRIPTION: Construct a four 12 foot lanes facility with a 20 foot raised median. Left turn median openings will be in approved locations; asphaltic concrete paving; shoulder width will be 10 feet with 30" concrete curb & gutter.

PROPOSED CONCEPT: Four 12 foot lanes with 20 foot raised median. Median openings in approved locations; asphaltic concrete paving; shoulder width will be 10 feet with 30" concrete curb & gutter.

EXISTING ROADWAY: Two lane rural section with curb & gutter near some major driveways. 22 - 24 feet asphalt paved surface with 4 - 6 foot grass shoulders.

TRAFFIC: 13,300 ADT (1995)

DESIGN: 23,710 ADT (2015)

( ) PROGRAMMING PROCESS; ( ) CONCEPT DEVELOPMENT; ( ) DURING PROJECT DEV

PROJECT COSTS

A. RIGHT OF WAY:

1. PROPERTY (Land & Easements)	\$ 0
2. DISPLACEMENTS & RELOCATION	\$ 0
3. OTHER COSTS (Adm./Court, Inflation)	\$ 0
subtotal	\$ 0

B. REIMBURSABLE UTILITIES:

1. RAILROAD	\$ 99,600
2. TRANSMISSION LINES	\$ 0
3. SERVICES (Colonial Pipeline)	\$ 0
subtotal	\$ 99,600

C. MAJOR STRUCTURES:

1. WALLS (900 lf; 434 cy @ \$321/cy)	\$ 139,314
2. BRIDGE STREAM CROSSINGS	\$ 0
3. BRIDGE OVER/UNDERPASS	\$ 0
4. BOX CULVERTS	\$ <del>139,314</del> 0
subtotal	\$ <del>139,314</del>



H. SPECIAL FEATURES: \$ 0

ESTIMATE SUMMARY

A. RIGHT OF WAY \$ 0  
B. REIMBURSABLE UTILITIES \$ 99,600

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES \$ 139,314  
D. GRADING & DRAINAGE ~~\$ 1,200,069~~ <sup>\$ 913,069</sup> 1,070,219  
E. BASE & PAVING \$1,731,750  
F. LUMP ITEMS \$ ~~357,077~~ <sup>284,077</sup> 314,077  
G. MISCELLANEOUS \$ 122,800  
H. SPECIAL FEATURES \$ 0

SUBTOTAL CONSTRUCTION COST ~~\$3,191,010~~ <sup>\$3,561,010</sup> 3,378,160<sup>00</sup>  
E. & C. (10%) \$ ~~319,101~~ <sup>319,101</sup> 356,010 Use 3,379,000  
INFLATION (5% per year) 2 YRS. \$ ~~319,101~~ <sup>319,101</sup> 356,010  
TOTAL CONSTRUCTION COST = ~~\$4,273,212~~ <sup>\$3,829,212</sup>  
GRAND TOTAL PROJECT COST = ~~\$4,273,212~~ <sup>\$3,829,212</sup>