

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-074-2(21) & BHF-074-2(22) OFFICE Preconstruction
Fayette-Clayton Counties
P.I. Nos. 721290 & 721295 DATE September 29, 1988

FROM *R. L. Alston*
R. L. Alston, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - SR 85 Reconstruction

Attached for your files is the approval for subject project. Please note comments by Alton L. Dowd on page 2 of the cover letter.

RLA/cj

Attachment

DISTRIBUTION:

Alton L. Dowd, Jr.
Robert E. Humphrey
Frank Danchetz
Gene Skeen
Walker Scott
Floyd Hardy (ATTN: Herman Griffin)
Charles Lewis
Ron Colvin
Paul Mullins

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-074-2(21) & BHF-074-2(22) OFFICE Preconstruction
Fayette-Clayton Counties
P.I. Nos. 721290 & 721295 DATE September 16, 1988

FROM Alton L. Dowd, Jr., Director of Preconstruction

TO Hal Rives, Commissioner

SUBJECT PROJECT CONCEPT REPORT - SR 85 Reconstruction

This project is the reconstruction of SR 85 from SR 279 to one (1) mile north of SR 138 at Roberts Drive (4.1 miles) in Fayette-Clayton Counties. The traffic is stop and go and additional capacity is needed now. The existing road is two, 12' travel lanes in each direction (asphalt) divided with a 40' depressed grass median and paved shoulders, 4' in the median and 10' outside. The typical section is open ditch and curb and gutter on approximately 170' right-of-way. Existing bridges are at Camp Creek (twin bridges). The northbound lane bridge is 25.8' x 162' (sufficiency rating 51.9) and the southbound lane bridge is 40.8' x 162' (sufficiency rating 89.4). The estimated traffic for this project is 52,690 ADT (1992) and 86,960 ADT (2012).

It is proposed to reconstruct the existing road to provide for three, 12' lanes in each direction by adding one, 14' lane on the outside, each side, with 12' shoulders and open ditch on approximately 200' right-of-way. Curb and gutter will be used back of shoulder in some cases to reduce impacts. Two additional feet on each side with full depth paving is needed to allow for future additional lanes in the median with a 20' raised median. Acceleration and deceleration lanes are to be added on the outside and in the median. The bridges are proposed to be widened (full width) as follows: northbound lane bridge (52' x 162') and southbound lane bridge (52' x 162'). The northbound lane bridge is to be widened under BHF-074-2(22). The access control for this project is by permit and median control.

This project is programmed to begin at the Fayette County line (Camp Creek) and end at Bethsaida Road in Riverdale (3.8 miles). For proper traffic handling and lane drops/continuity, the termination has been extended to SR 279 on the south and ending at Roberts Road on the north where the existing six lanes section begins, for a total length of 4.1 miles.

The estimated cost of this project is:

	CURRENT ESTIMATE		APPROVED ESTIMATE	
	FR-074-2(21)	BHF-074-2(22)		
Construction (includes E&C and inflation)	\$3,146,000	\$294,000	\$4,840,000	FY91
Right-of-Way	\$1,600,000	-0-		
Utilities	LGPA	LGPA	LGPA	

Hal Rives
Page 2
September 16, 1988

FR-074-2(21) & BHF-074-2(22) Fayette-Clayton Counties

This is a preprogram project for FY 91.

Alternates considered for this project are: (1) Alternate "A": Addition of one lane in each direction on the outside of the existing lanes and widen existing bridges; (2) Alternate "B": No-build; and (3) Alternate "C": Addition of one lane in the median in each direction and widen bridges in the median. This alternate is not recommended since it would leave a 16' median and this is not adequate for a left turn lane with curb and gutter.

An Environmental Assessment and a public hearing will be required for this project. Officials from Clayton County attended the concept meeting and are in agreement with the concept. They further would like to extend the project to include intersection improvements at Valley Hill Road (SR 139), which is one-half mile north of the end of this project. Accident statistics at this intersection are the second highest of its kind in the county (61 in 1987).

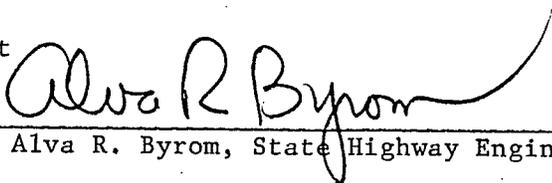
It is recommended that we approve this project concept report and that this project be programmed for implementation when funds are available. It is further recommended that Alternate "A" consisting of one, 14' lane addition in each direction on the outside with bridge widening at Camp Creek be approved.

It is further recommended that the intersection at Valley Hill Road (SR 139) and SR 85 be studied by Traffic and Safety and a separate project be prepared for this location since this is a high accident location (see accident data attached).

ALD:RLA/cj

Attachment

CONCUR


Alva R. Byrom, State Highway Engineer

APPROVE


Hal Rives, Commissioner

* Design Allows future expansion in median
for 7th & 8th lanes JED

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-074-2 (21)
 BHF-074-2 (22) Fayette/Clayton Counties **OFFICE** Atlanta, Georgia
 P.I. No. 721290, 721295
 Widening SR 85 **DATE** August 25, 1988

FROM Robert E. Humphrey, P.E., Project Review Engineer

TO Alton L. Dowd, Jr., P.E., State Road and Airport Design Engineer

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project and have the following comments.

The "BHF" project includes the bridge work to enclose the median between the existing bridges and the outside shoulder widening for the northbound lanes. The "FR" project includes all the roadway work and the widening of the outside shoulder on the southbound lanes. Consider including all of the bridge work in the "BHF" project.

We have received signed cover sheets from the following offices:

1. Bridge Design
2. Traffic and Safety - with comments.
3. District Engineer

This report is satisfactory for approval.

The estimated costs of this project are as follows:

	<u>FR-074-2 (21)</u>	<u>BHF-074-2 (22)</u>	
Construction	\$2,600,000	\$430,000	
Inflation (5% per year)	260,000	43,000	
E & C (10%)	286,000	47,300	
Preliminary Engineering (5%)	130,000	22,500	
Right of Way	?	?	
Utilities	?	?	

Bridge widen BHF
30' x 162' x 50'/ft²
243,000
24,300
26,730

DTM/jmf

Attachments

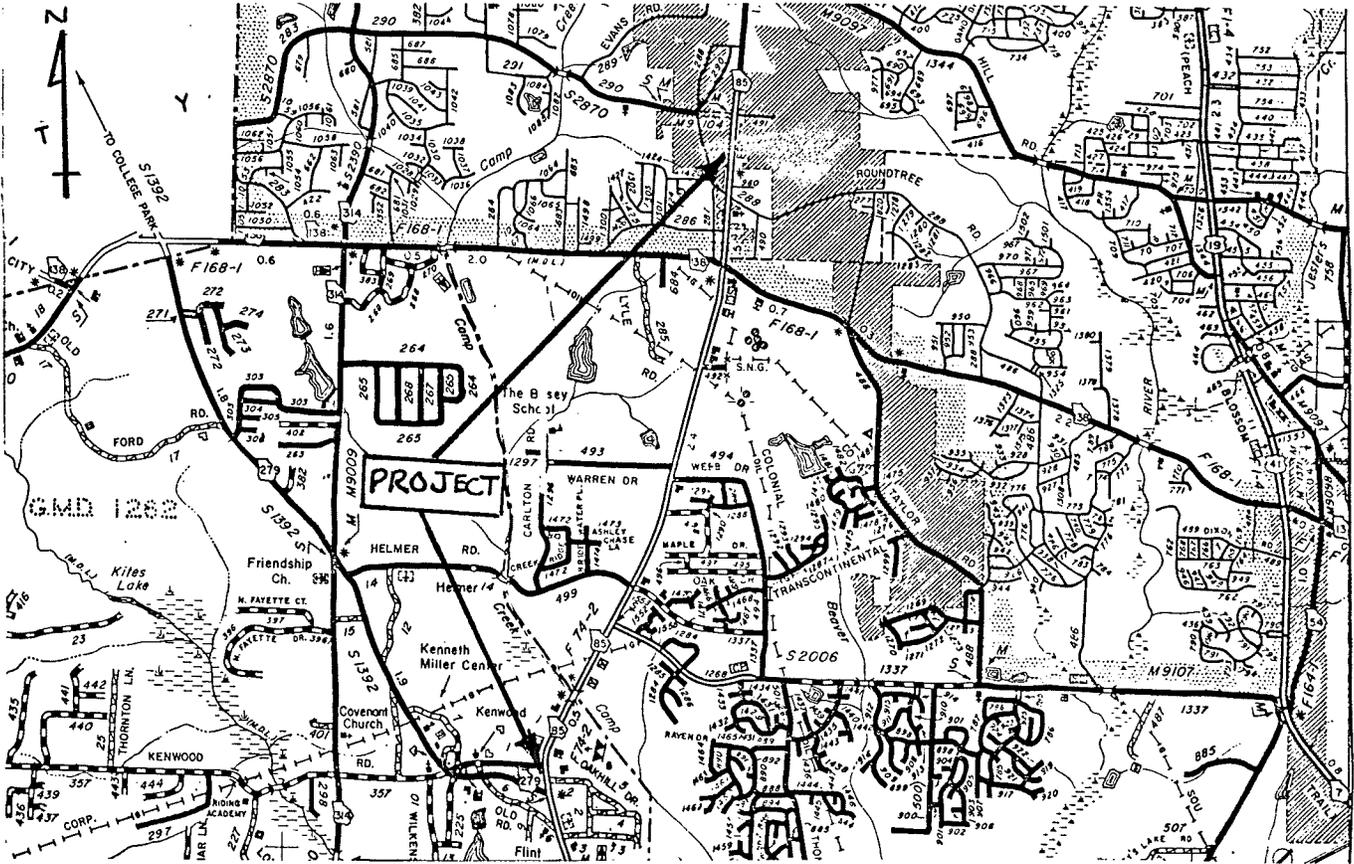
c: Walker W. Scott, Jr.

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
 PROJECT CONCEPT REPORT



FR-074-2(21) Fayette/Clayton Counties
 BHF-074-2(22) Fayette/Clayton Counties
 P.I. NOs. 721290 & 721295

S.R. 85



Date of Report: 07/26/88

RECOMMENDATION FOR APPROVAL

7.27.88
 DATE

Walter W. Scott
 State Road & Airport Design Engineer

DATE

State Environmental/Location Engineer

DATE

State Traffic & Safety Engineer

DATE

State Bridge/Structural Design Engineer

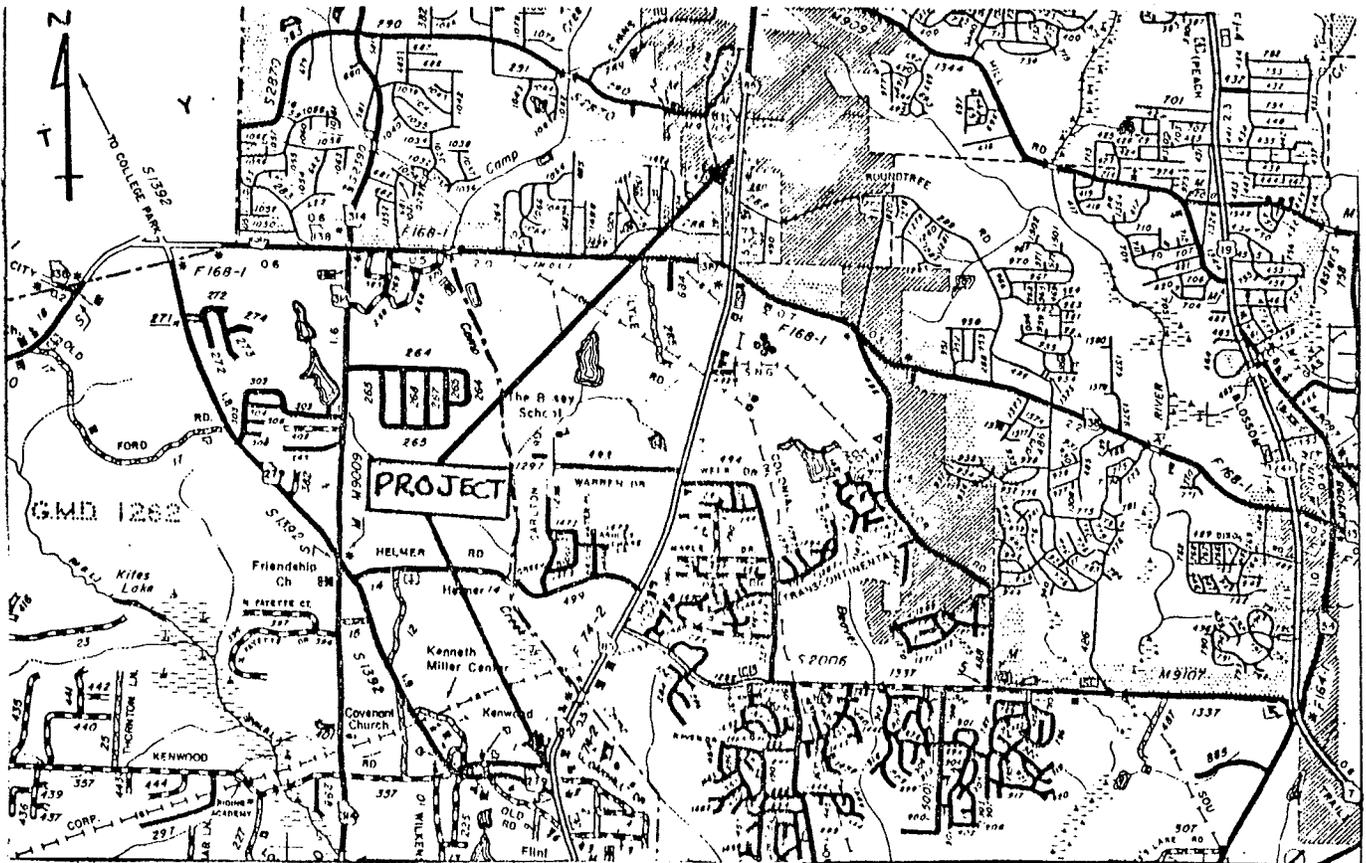
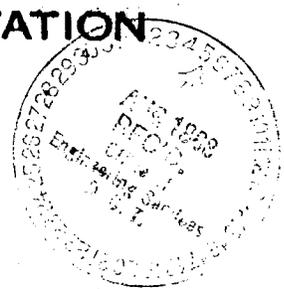
DATE

District Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**
PROJECT CONCEPT REPORT

FR-074-2(21) Fayette/Clayton Counties
BHF-074-2(22) Fayette/Clayton Counties
P.I. NOs. 721290 & 721295

S.R. 85



Date of Report: 07/26/88

RECOMMENDATION FOR APPROVAL

DATE 7.27.88

W. W. W. W.
State Road & Airport Design Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic & Safety Engineer

DATE 8/5/88

G. C. Lewis
State Bridge/Structural Design Engineer

DATE _____

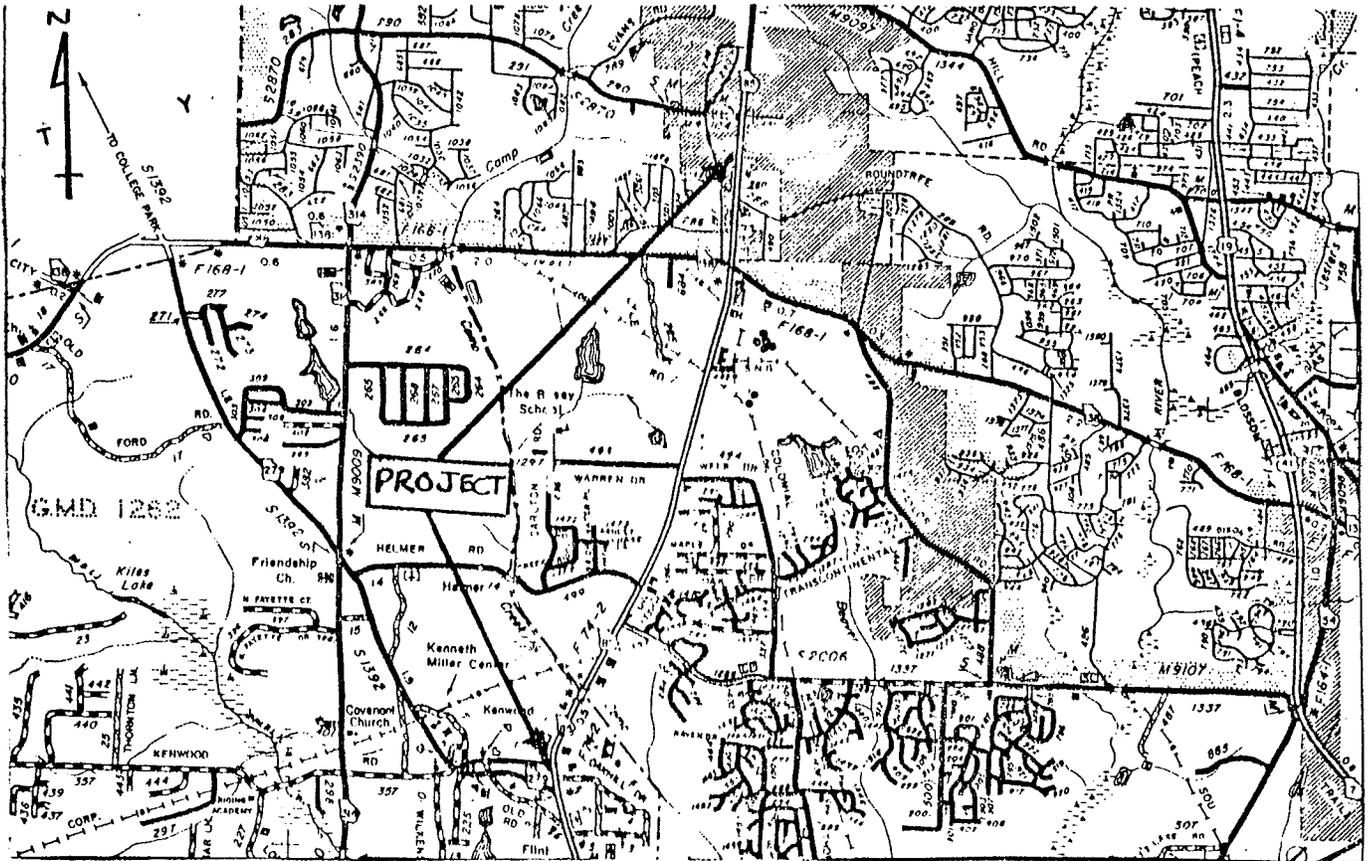
District Engineer

DEPARTMENT OF TRANSPORTATION
 STATE OF GEORGIA
 PROJECT CONCEPT REPORT



FR-074-2(21) Fayette/Clayton Counties
 BHF-074-2(22) Fayette/Clayton Counties
 P.I. NOs. 721290 & 721295

S.R. 85



Date of Report: 07/26/88

RECOMMENDATION FOR APPROVAL

7.27.88
 DATE

Walter W. Scott
 State Road & Airport Design Engineer

Aug 3, 1988
 DATE

State Environmental/Location Engineer
Ron Collins
 State Traffic & Safety Engineer

DATE

State Bridge/Structural Design Engineer

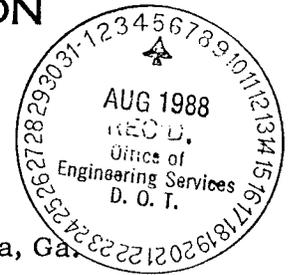
DATE

District Engineer

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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE FR-074-2 (21)
BHF-074-1 (22)
Fayette-Clayton County
P.I. No. 721290 & 721295

OFFICE Atlanta, Ga

DATE August 3, 1988

FROM *R. Colvin* Ron Colvin, P.E., State Traffic & Safety Engineer

TO Robert E. Humphrey, P.E., Project Review Engineer

SUBJECT **Project Concept Report Review**

We have reviewed the concept report on the above projects. Project BHF-074-2 (22) will provide for widening of the existing northbound lanes bridge on S.R. 85 at Camp Creek. Project FR-074-2 (21) will consist of adding one 14' wide travel lane on S.R. 85 in each direction on the outside of the existing four lane facility, retain the 40' wide median, provide shoulder widths to meet current design specifications and widening of the southbound lane bridge at Camp Creek. The project begins at S.R. 279 on S.R. 85 in Fayette County and extends northward 4.1 miles to Roberts Drive in Clayton County.

We note that a "sight distance problem exists for the southbound lane drop at S.R. 279. Efforts should be made to improve the horizontal and vertical alignment at this intersection.

The median openings for this project should be spaced in accordance with our current design policy. It is requested to close the existing median openings that do not meet minimum spacing requirements. It is strongly recommended that the left turn lanes for all median openings that are constructed on this project be placed in accordance with the current "Detail for Construction of Median Cross-overs". This will place the left turn lanes for all median openings as far to the left as practical. This prevents the left turn vehicle from decreasing the sight distance of the opposing vehicle.

We would consider the project concept report to be satisfactory subject to the above comments.

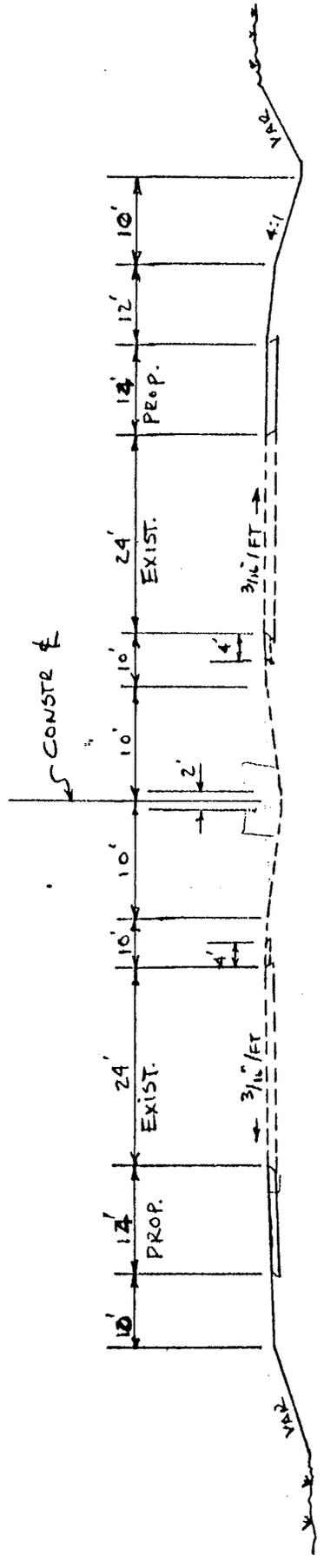
JJD:LEO:lw

Attachment (signature page)

cc: Walker W. Scott, Jr., State Road & Airport Design Engineer
Paul Mullins, District Engineer - Chamblee

FR-074-2 (21)
Project No: BHF-074-2(22)
County: FAYETTE-CLAYTON

TYPICAL SECTION



NOTE: NO OVERLAY REQD ON EXIST. PAVT

ACCIDENT DATA TRAFFIC AND SAFETY

Clayton County

① SR 85 @ Valley Hill Rd. (SR 139) @ ML 4.02

② SR 139 @ Church St. (CR 289) @ ML .17

1987 Data

① SR 85 @ ML 4.02 : #Acc #Inj. #Fat.
 61 11 0

Type Acc. Breakdown
 Angle Entered - 23 acc.
 Rear end - 32 acc.
 Sideswipe - same dir $\frac{6}{61}$ 6 acc.

② SR 139 @ ML .17 : #Acc #Inj #Fat.
 26 7 0

Type Acc. Breakdown
 Angle Entered - 7 acc.
 Rear end - 7 acc.
 Sideswipe - same dir $\frac{12}{26}$ 12 acc.

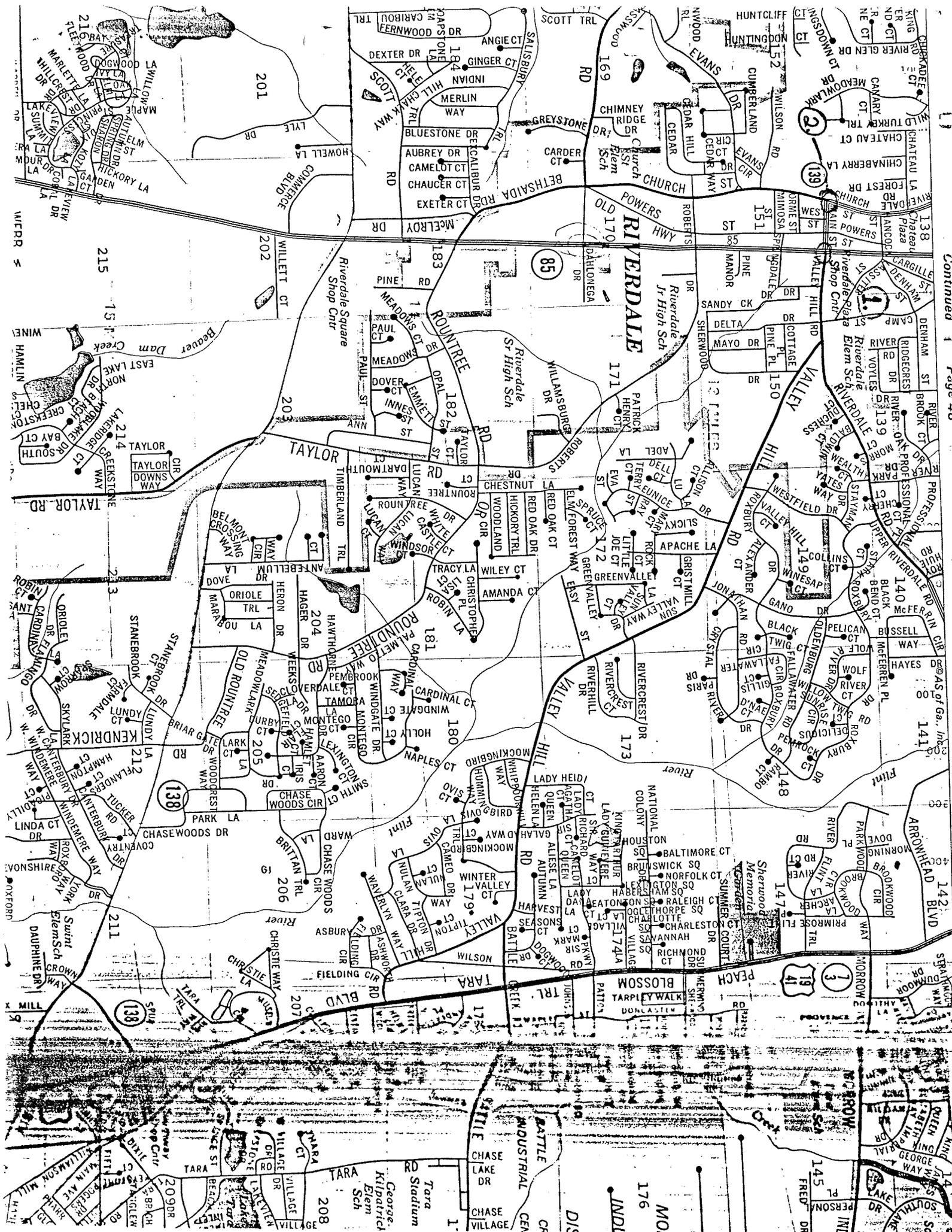
1986 Data

① SR 85 @ ML 4.02 : #Acc #Inj. #Fat.
 51 14 0

Angle Entered - 19 acc.
 Rear end 25 acc.
 Sideswipe - same 5 acc.
 Struck object $\frac{2}{51}$ 2 acc.

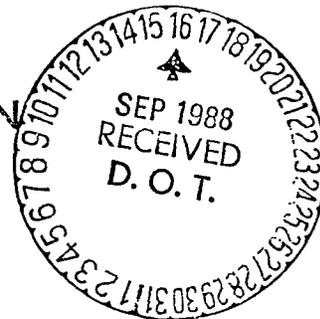
② SR 139 @ ML .17 #Acc. #Inj. #Fat.
 7 0 0

Angle Entered 3 acc
 Sideswipe - same 3 acc
 Struck object $\frac{1}{7}$ 1 acc



Map labels include street names (e.g., Taylor Rd, Roundtree Rd, Valley Hill Rd, Peach Rd, Tara Blvd), landmarks (e.g., Church, School, Sherwood Memorial Church), and road numbers (e.g., 138, 176, 201, 141, 142, 143, 144, 145). The map also shows geographical features like the Chattahoochee River and a dam.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE OFFICE Atlanta
DATE September 15, 1988
FROM *RC* Ron Colvin, P.E., State Traffic & Safety Engineer
TO Bob Alston, Assistant Director of Pre-Construction
SUBJECT Accident Data

As per your request, the following is the accident data requested:

SR 85 at Valley Hill Road (SR 139) Clayton County

	<u>Accidents</u>	<u>Injuries</u>	<u>Fatalities</u>
1987	61	11	0
1986	51	14	0

The statewide average for this type intersection (state route w/ state route, urban, signalized) is 10.5 accidents. This intersection was number 2 in Clayton County in 1987 based on frequency.

SR 139 at Church St., Clayton County

	<u>Accidents</u>	<u>Injuries</u>	<u>Fatalities</u>
1987	26	7	0
1986	7	0	0

The statewide average for this type intersection (state route w/ other route, urban, signalized) is 13.7.

The accidents at these intersections are high in comparison with statewide averages. It is recommended that improvements for those locations be implemented. If it is desired to implement the improvements with HES funds, or if we can be of further assistance, please advise.

RC/DG:me