

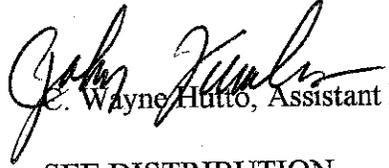
ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0004-00(146) Newton County **OFFICE** Preconstruction
P. I. No. 0004146 **DATE** June 4, 2002

FROM  C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

- David Mulling
- Harvey Keepler
- Jerry Hobbs
- Herman Griffin
- Michael Henry
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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: STP-0004-00(146), Newton County
P.I. No. 0004146
Safety/Intersection Improvements

OFFICE: Traffic Safety and Design
Atlanta, Georgia
DATE: April 5, 2002


FROM: Phillip M. Allen, State Traffic Safety and Design Engineer

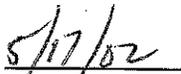
TO: Wayne Hutto, P.E., Assistant Director of Preconstruction

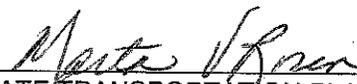
SUBJECT: **REVISED PROJECT CONCEPT REPORT- SR 81 @ CR 309/653 & SR 162 Conn.**

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

The proposed changes to the approved concept would be the closure of CS 574 and CS 573 due to their locations, CS 575 will be relocated to tie in with CR 653. These changes will reduce the amount of required right-of-way that will be needed as well as increasing the construction cost for this project.

The revise concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTIP) and/or the State Transportation Improvement Program (STIP).


DATE:


STATE TRANSPORTATION PLANNING ADMINISTRATOR

Distribution:

David Milling
Harvey Keepler
Herman Griffin
Mike Thomas, District Engineer-Tennille
MARTA ROSEN

REVISED PROJECT CONCEPT REPORT

Need and Purpose: Accident history for this intersection shows only four accidents at this location for a four year period ('95 – '98) two angle intersecting & two rear ends. The geometric improvements and the installation of a stop and go traffic signal will greatly enhance the operational efficiency of this intersection. To improve the safety and orderly progression of the traffic through the intersection, these improvements are recommended.

Project Location: The intersection of SR 81 @ CR 309/653 & SR 162 Connector is located approximately 0.11 miles northeast of the southwest City Limits and 1.44 miles southwest of the northeast City Limits on SR 81 in the City of Porterdale, Newton County.

Description of Approved Concept: SR 81 @ CR 309/653 & SR 162 Connector intersection will be widened 6 ft. symmetrically to provide for left turn lanes on all approaches, CS 574 and CS 573 will be closed due to their location. SR 162 Connector will remain as is with curb and gutter and sidewalk, CS 575 will be relocated to tie in with CR 653.

PDP Classification: Minor Existing

Functional Classification:

SR 81	-----	Rural Minor Arterial
SR 162 Conn.	-----	Rural Minor Arterial
CR 309	-----	Rural Local
CR 653	-----	Rural Major Collector
CS 574	-----	Rural Local
CS 575	-----	Rural Local
CS 573	-----	Rural Local

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

State Route Number(s): 81 & 162 Conn.

Traffic (AADT) as shown in the approved concept:

Current Traffic

SR 81	Year: 1999	AADT: 7,700
SR 162 Conn.	Year: 1999	AADT: 2,800
CR 309	Year: 1999	AADT: 480
CR 653	Year: 1999	AADT: 4,940
CS 574	Year: 1999	AADT: 770
CS 575	Year: 1999	AADT: 550
CS 573	Year: 1999	AADT: 770

Proposed feature to be revised:

- CS 574 and CS 573 will be closed due to their locations, CS 575 will be relocated to tie in with CR 653.
- Construction Cost will increase due to additional construction items; however right of way will be reduced.
- Curb & Gutter with sidewalk has been added.

Descriptions of Revised features to be approved:

- CS 575/Backally will be relocated to form a 90 degree tie-in with CR 653/Jackson Road Conn. The City and District Office requested that CS 574/South Broad Street and CS 573/Elm Street be closed due to potential operational problems with the intersection of SR 81 and CR 653/309.

Updated Traffic Data (AADT): N/A

Programmed/Schedule:

P.E.: N/A

R/W: N/A

Construction: N/A

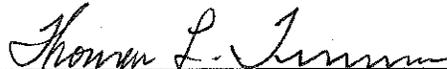
Revised Cost Estimate:

Construction:	\$587,230
Traffic Signal:	\$50,000
E & C 10%:	<u>\$63,723</u>
Total:	\$700,953

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

Recommendations: It is recommend that the proposed revisions to this concept be approved for implementation.

PMA/kms

Concur: 
Tom Turner, Director of Preconstruction

Approved: 
Frank Danchetz, Chief Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

NEWTON COUNTY
CITY OF PORTERDALE

FEDERAL ROUTE NO:
STATE ROUTE NO: 81 & 162 Conn.
GADOT P.I. NO:

SEE ATTACHED
LOCATION SKETCH

Revised Date of Report: April 5, 2002

Date of Report: April 25, 2001

RECOMMENDED: 5/10/01
DATE

Marion H. [Signature]
STATE TRAFFIC OPERATIONS ENGINEER

RECOMMENDED: 5/24/01
DATE

Michael L. Thomas
DISTRICT ENGINEER

RECOMMENDED: 10/10/01
DATE

[Signature]
CHIEF ENGINEER

APPROVED: _____
DATE

[Signature]
COMMISSIONER

PROJECT CONCEPT REPORT

P.I. No.:

Project No.:

City of Porterdale, Newton County

Route No.: SR 81

- SR 162 Connector
- CR 309/Crowell Road
- CR 653/Jackson Road
- CS 574/South Broad Street
- CS 573/Elm Street

Location: The intersection of SR 81 @ CR 24/653 is located approximately 0.11 miles northeast of the southwest City Limits and 1.44 miles southwest of the northeast City Limits on SR 81 in the City of Porterdale, Newton County.

Description: SR 81 @ CR 309/653 intersection will be widened symmetrically to provide left turn lanes on all approaches. Because of the location of CS 574 and CS 573 will be closed. Left and right turn lanes will also be provided for SR 162 Connector.

Traffic – Current ADT:

SR 81 -----	7,700 (1999 ADT)
SR 162 Conn -----	2,800 (1999 ADT)
CR 309 -----	480 (1999 ADT)
CR 653 -----	4,940 (1999 ADT)
CS 574 -----	480 (1999 ADT)
CS 573 -----	770 (1999 ADT)

- Existing Typical:** SR 81: 2 – 12 ft. travel lanes, one in each direction, with grassed shoulders.
 SR 162 Conn: 2 – 12 ft travel lanes, one in each direction, with grassed shoulders.
 CR 309: 2 – 11 ft travel lanes, one in each direction, with grassed shoulders.
 CR 653: 2 – 12 ft travel lanes, one in each direction, with grassed shoulders.
 CS 574: 2 – 11 ft travel lanes, one in each direction, with grassed shoulders.
 CS 573: 2 – 11 ft travel lanes, one in each direction, with grassed shoulders.

Existing Right of Way:

SR 81 -----	45' & 100' (Estimated)
SR 162 Conn -----	60' (Estimated)
CR 309 -----	60' (Estimated)
CR 653 -----	130' (Estimated)
CS 574 -----	60' (Estimated)
CS 573 -----	60' (Estimated)

Existing Traffic Control: The intersection is controlled by double indicated 4-way stop, stop ahead and stop bars. A flashing beacon is operating at this location with double red indications on all approaches.

Existing Major Structures: None.

Statement of Need & Purpose: Accident history for this intersection shows only four accidents at this location for a four year period ('95 - '98) two angle intersection & two rear ends. The geometric improvements and the instillation on a stop and go traffic signal will greatly enhance the operational efficiency of this intersection. To improve the safety and orderly progression of traffic through the intersection, these improvements are recommended.

Bicycle & Pedestrian Considerations: None.

Length: 0.54 miles

<u>Termini:</u>	- SR 81 -	- SR 162 Co -	- CR 309 -	- CR 653 -	- CS 574 -	- CS 573 -
<u>From M.P.:</u>	7.28	1.45	0.00	6.09	0.00	0.00
<u>To M.P.:</u>	7.54	1.48	0.10	6.21	0.02	0.02

PDP Class: Minor Existing

<u>Functional Class:</u>	SR 81 -----	Rural Minor Arterial
	SR 162 Conn -----	Rural Minor Arterial
	CR 309 -----	Rural Local
	CR 653 -----	Rural Major Collector
	CS 574 -----	Rural Local
	CS 573 -----	Rural Local

Max Degree of Curve: +/- 1.0 Degrees

Max Grades: +/- 3.5 %

Design Speed: 45 & 55 mph.

Proposed Typical Section: SR 81: 2 - 12 ft travel lanes, one in each direction, with 12 ft left & right turn lanes. Shoulders will be 4 ft paved, 6 ft grassed.

SR 162 Conn: 2 - 12 ft travel lanes, one in each direction. Radii will be improved.

CR 309 & 653: 2 - 12 ft travel lanes, one in each direction, with 12 ft left & right turn lanes. Shoulders will be 2 ft paved, 6 ft grassed.

CS 574: Will be closed.

CS 573: Will be closed.

Proposed major structures: None.

Type Access: By Permit.

Traffic Control During Construction: Existing operation shall be maintained during construction.

Right-of-Way Requirement: The City of Porterdale and/or Newton County shall be responsible for the acquisition of all Required Right-of-Way.

Utilities: The City of Porterdale and/or Newton County shall be responsible for all Utility adjustments.

Estimated Cost:

<u>Item</u>	<u>Total Amount</u>
R/W -----	\$ 989,500 (By City/County LGPA)
Utilities -----	\$ 54,190 (By City/County LGPA)
Estimated LGPA Total -----	\$ 1,043,960
Construction -----	\$ 587,230
Traffic Signal -----	\$ 50,000
Railroad Equipment -----	\$ 0
E & C 10% -----	\$ 63,723
Total Construction -----	\$ 700,953

Permits Required: Stop & Go Traffic Signal.

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

Time Saving Procedures Appropriate: Yes (X) No ()

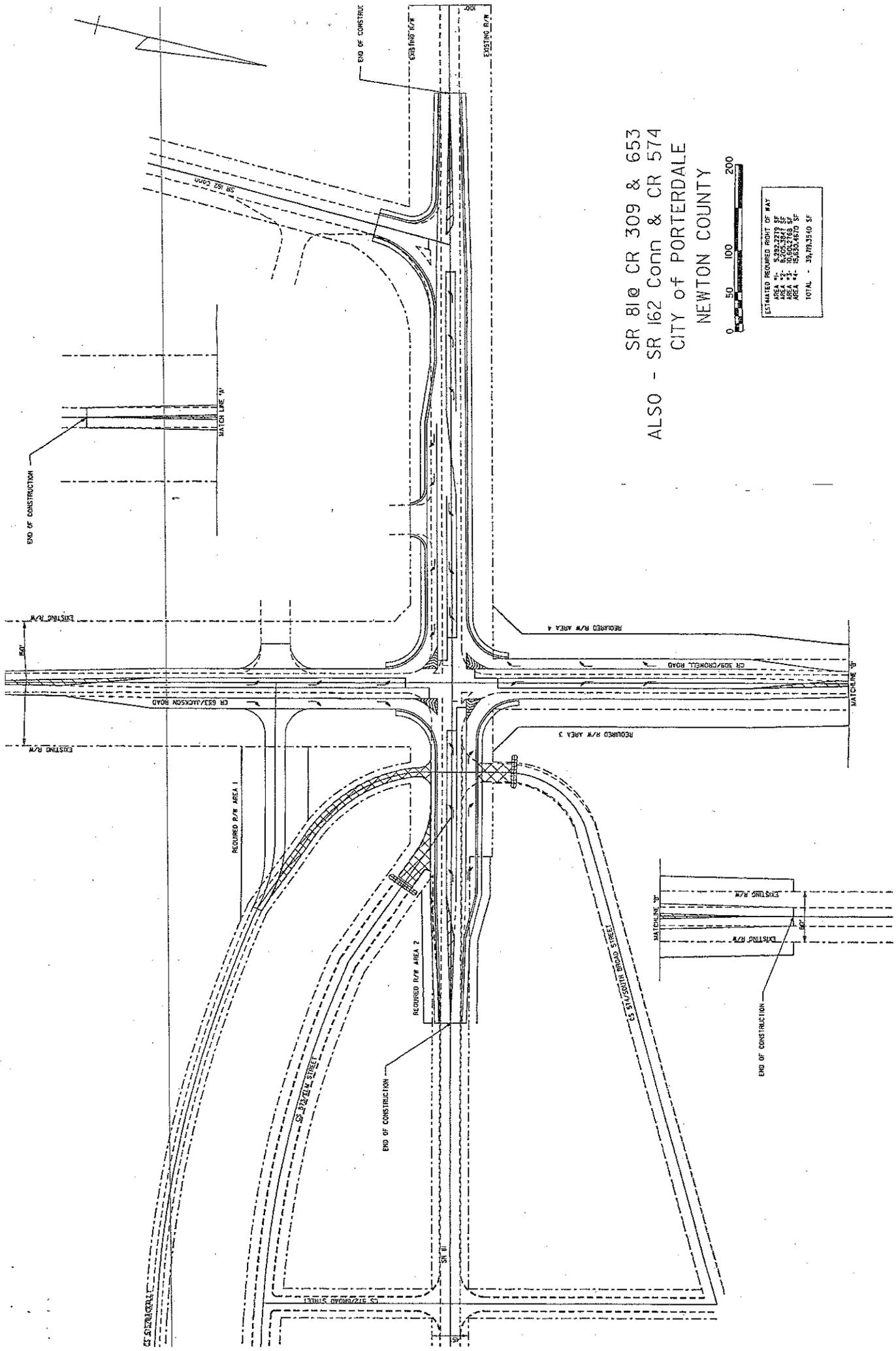
Design Variances Required: None.

Alternates Considered: None.

Comments:

Prepared By:

Ken Werho



SR 810 CR 309 & 653
 ALSO - SR 162 Conn & CR 574
 CITY OF PORTERDALE
 NEWTON COUNTY



ESTIMATED REQUIRED RIGHT OF WAY	
AREA #1 -	8,205,877 SF
AREA #2 -	2,025,877 SF
AREA #3 -	10,004,768 SF
AREA #4 -	2,550,467 SF
TOTAL -	22,787,035 SF

