

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

---

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** STP-034-3(24) Bibb County **OFFICE** Preconstruction  
P. I. No. 350560  
*CW Hutto* **DATE** May 24, 1999  
**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:

Walker Scott  
Bobby Mustin  
David Studstill (ATTN: Harvey Keeper)  
Jerry Hobbs  
Herman Griffin  
Georgene Geary (ATTN: Michael Henry)  
Marion Waters  
Marta Rosen  
Joe Street  
Joe Palladi

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE STP-034-3(24) Bibb County  
SR 87 PioNono Ave.  
P.I. No.350560

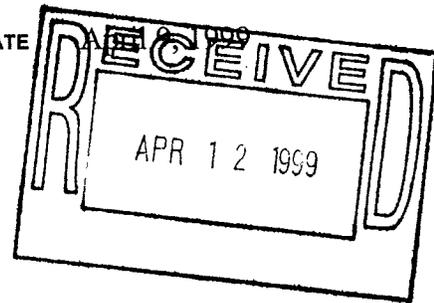
OFFICE Atlanta, Georgia

FROM *Joseph P. Palladi*  
Joseph P. Palladi, P.E., State Urban Design Engineer

DATE

TO Wayne Hutto, Asst. Director of Preconstruction

SUBJECT **Revised Concept Report**



The approved concept is the widening of Pio Nono Avenue for 1.1 miles beginning at SR 49 (U.S. 129) and ending at the I-75 interchange.

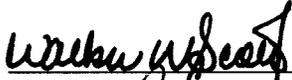
The approved typical section consists of three twelve-foot lanes in each direction and a twenty-foot raised median with left turn lanes as required. A twelve-foot shoulder was proposed in both the rural and urban sections. A three-way intersection exists at the beginning or southern most portion of the project. This intersection consists of Broadway, Pio Nono Avenue and Houston Avenue. The approved concept does not address any major changes to this intersection.

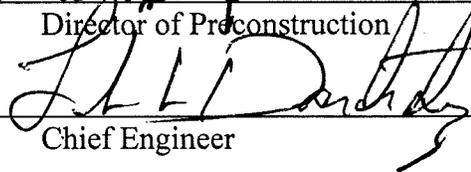
The approved concept is to be revised as follows:

- The typical section is revised to include a four-foot bike lane in each direction. An eleven-foot lane width will be used on the two inside lanes. Also, ten-foot shoulders will be used in both the rural and urban sections. Therefore, the bike lane will be included in the project without increasing the approved right-of-way width. The proposed typical sections are attached.
- The intersection of Broadway, Pio Nono Avenue and Houston Avenue is revised to tie Broadway into Pio Nono at a signalized intersection at its existing location. Houston Avenue will be relocated to a location approximately 900 ft. from the intersection of Broadway and Pio Nono. This will decrease the occurrence of accidents and congestion caused by the existing three-way intersection.
- The project beginning is adjusted by approximately 300 feet south of the existing intersection of Pio Nono and Broadway to tie the proposed roadway section. Likewise the project terminus is extended 200 feet beyond I-75.

<u>Estimated Cost:</u>	<u>Proposed</u>	<u>Approved</u>	<u>Program Date</u>
Construction (Including Infl. & E&C)	\$5,882,000	\$3,885,000	1999
Right-of-Way	\$2,057,510	\$1,547,000	
Utilities	Local	Local	

Recommendation: This Office recommends the proposed revision be approved for implementation.

Concur:   
 Director of Preconstruction

Approved:   
 Chief Engineer

Attachment: Sketch Map, Cost Estimate

By copy of this signed concept revision, the office of programming is requested to revise the approved construction and right-of-way cost. If you have any questions, please contact Angela T. Alexander at (404) 656-5444.

JPP:ATA  
 Attachment

CC: David Studstill, w/attachment  
 Bobby Mustin, w/attachment  
 Marion Waters, w/attachment  
 Joe Street, w/attachment  
 Marta Rosen, w/attachment

**PRELIMINARY COST ESTIMATE**  
**URBAN DESIGN OFFICE**

<b>DATE:</b>	3/30/99	<b>PREPARED BY:</b>	A. Alexander
<b>PROJECT NO:</b>	STP-034-3(24)	<b>FILE NAME:</b>	pio nono cost est.xls
<b>P.I. NO:</b>	321715	<b>MILES</b>	1.3 miles

**PROJECT DESCRIPTION:** The widening of Pio Nono Avenue from South of Houston Avenue to the I-75 interchange.

**EXISTING ROADWAY:** 4-lane rural roadway

<b>TRAFFIC: TWO WAY -</b>	<b>CURRENT ADT</b>	<b>PROJECTED ADT</b>
<b>VERNON ROAD</b>	32890 (1985)	44680 (2005)
( )	PROGRAMMING PROCESS	
( )	CONCEPT DEVELOPMENT	
( X )	DURING PROJECT DEVELOPMENT	

**PROJECT COSTS**

A. RIGHT OF WAY	1 LUMP SUM		\$2,057,510.00
		<b>SUBTOTAL</b>	<b>\$2,057,510.00</b>

B. UTILITIES	0 LUMP SUM	BY LOCALS	\$0.00
		<b>SUBTOTAL</b>	<b>\$0.00</b>

C. CLEARING AND GRUBBING	29 AC@	\$8,000.00	\$232,000.00
		<b>SUBTOTAL</b>	<b>\$232,000.00</b>

D. EARTHWORK			
<i>Per mile cost</i>			
1.3 MILES	185,000 PER MILE	<b>SUBTOTAL</b>	<b>\$240,500.00</b>

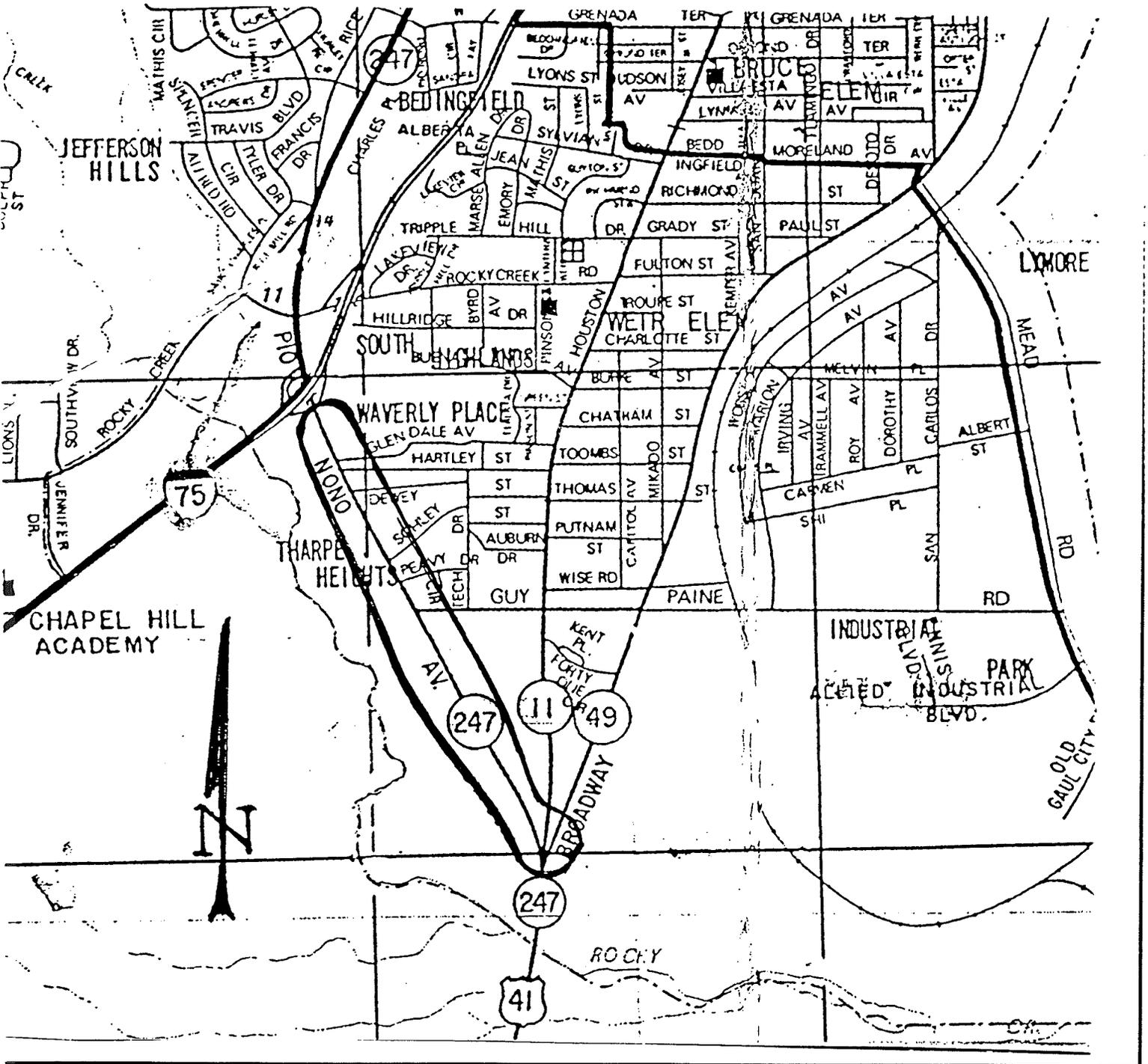
E. BASE AND PAVING			
<i>Aggregate Base</i>			
Graded Aggregate 200 mm	53349 TN@	\$16.00	\$853,584.00
<i>Asphalt Paving</i>			
12.5mm Asph Conc	6670 TN@	\$34.00	\$226,780.00
19mm Asph Conc	8893 TN@	\$40.00	\$355,720.00
25 mm Asph Conc	16866 TN@	\$33.00	\$556,578.00
Leveling	324 TN@	\$42.00	\$13,608.00
Tack Coat	3315 GAL@	\$1.50	\$4,972.50
		<b>SUBTOTAL</b>	<b>\$2,011,242.50</b>

F. DRAINAGE						
<i>Longitudinal / Cross Drain System</i>						
15" Conc. Pipe		4053	FT@	\$27.00	\$109,431.00	
18" Conc. Pipe		4140	FT@	\$28.00	\$115,920.00	
24" Conc. Pipe		326	FT@	\$35.00	\$11,410.00	
30" Conc. Pipe		1760	FT@	\$43.00	\$75,680.00	
36" Conc. Pipe		738	FT@	\$56.00	\$41,328.00	
42 " Conc. Pipe		485	FT@	\$75.00	\$36,375.00	
48 " Conc. Pipe		1215	FT@	\$81.00	\$98,415.00	
72 " Conc. Pipe		470	FT@	\$275.00	\$129,250.00	
<i>Flared End Section</i>						
15" Conc. Pipe F.E.S.		35	EA @	\$325.00	\$11,375.00	
18" Conc. Pipe F.E.S.		12	EA @	\$365.00	\$4,380.00	
24" Conc. Pipe F.E.S.		2	EA @	\$450.00	\$900.00	
30" Conc. Pipe F.E.S.		6	EA @	\$575.00	\$3,450.00	
36" Conc. Pipe F.E.S.		2	EA @	\$730.00	\$1,460.00	
48" Conc. Pipe F.E.S.		2	EA @	\$890.00	\$1,780.00	
<i>Drainage Structures</i>						
Catch Basins		52	EA @	\$1,608.00	\$83,616.00	
Drop Inlets		8	EA @	\$1,150.00	\$9,200.00	
Manholes		14	EA @	\$1,295.00	\$18,130.00	
					<b>SUBTOTAL</b>	<b>\$752,100.00</b>
G. CONCRETE WORK						
Curb and gutter Type 7		13874	FT@	\$9.00	\$124,866.00	
Curb and gutter Type 2		10262	FT@	\$10.00	\$102,620.00	
6 in Concrete Median		4562	SY@	\$30.00	\$136,860.00	
					<b>SUBTOTAL</b>	<b>\$364,346.00</b>
H. TRAFFIC CONTROL						
			1	LUMP SUM	\$250,000.00	\$250,000.00
					<b>SUBTOTAL</b>	<b>\$250,000.00</b>

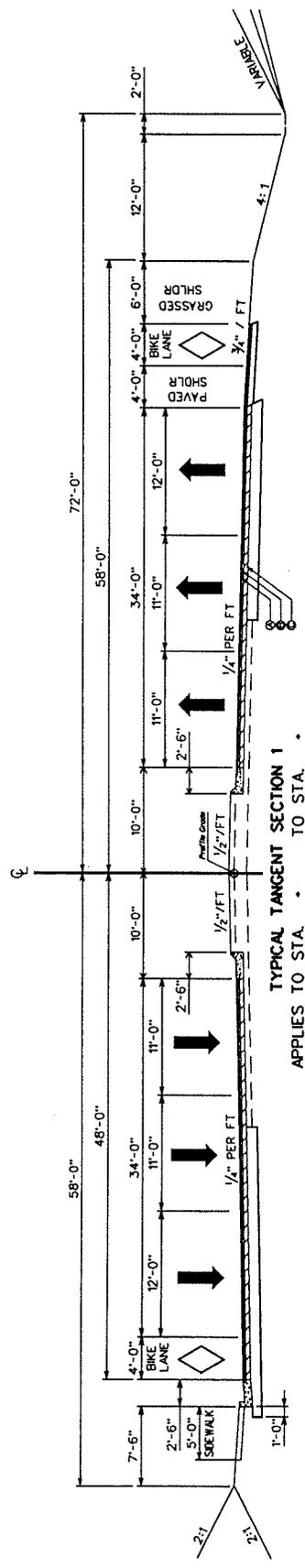
I.	EROSION CONTROL		1 LUMP SUM	\$115,000.00	\$115,000.00
				<b>SUBTOTAL</b>	<b>\$115,000.00</b>
J.	GUARDRAIL				
	W-Beam Rail		150 FT@	\$12.00	\$1,800.00
	T-Beam Rail		150 FT@	\$39.00	\$5,850.00
	Type 1 Anchors		2 EA @	\$425.00	\$850.00
	Type 11 Anchors		2 EA @	\$1,680.00	\$3,360.00
				<b>SUBTOTAL</b>	<b>\$11,860.00</b>
K.	SIGNS, STRIPING, SIGNALS, LIGHTING				
	Striping		1 LUMP SUM	\$75,000.00	\$75,000.00
	Signing and Marking		1 LUMP SUM	\$100,000.00	\$100,000.00
	Overhead Signs w/Lights		0 EA @	\$60,000.00	\$0.00
	Traffic Signal		6 EA @	\$34,000.00	\$204,000.00
				<b>SUBTOTAL</b>	<b>\$379,000.00</b>
L.	GRASSING/LANDSCAPING		6 AC@	\$600.00	\$3,600.00
				<b>SUBTOTAL</b>	<b>\$3,600.00</b>
M.	MISCELLANEOUS				
	Field Engineer Office (Type 2)		1 EA@	\$30,267.00	\$30,267.00
	Right-of-Way Markers		85 EA@	\$65.00	\$5,525.00
				<b>SUBTOTAL</b>	<b>\$35,792.00</b>
N.	MAJOR STRUCTURES				
	Bridges		0 SF@	\$500.00	\$0.00
	Retaining Walls		0 SF@	\$485.00	\$0.00
	<u>Box Culverts</u>				
	Concrete		0 CY@	\$406.00	\$0.00
	Bar Reinf. Steel		0 LB@	\$1.00	\$0.00
				<b>SUBTOTAL</b>	<b>\$0.00</b>

<b>ESTIMATE SUMMARY</b>			
A. Right of Way			\$2,324,000.00
B. Reimbursable Utilities			\$0.00
<b>CONSTRUCTION COST SUMMARY</b>			
C. Clearing And Grubbing			\$232,000.00
D. Earthwork			\$241,000.00
E. Base and Paving			\$2,012,000.00
F. Drainage			\$753,000.00
G. Concrete Work			\$365,000.00
H. Traffic Control			\$250,000.00
I. Erosion Control			\$115,000.00
J. Guardrail			\$12,000.00
K. Signs, Striping, Signals, Lighting			\$379,000.00
L. Grassing/Landscaping			\$4,000.00
M. Miscellaneous			\$36,000.00
<b>ROADWAY SUBTOTAL</b>			<b>\$4,399,000.00</b>
N. Major Structures			\$0.00
<b>CONSTRUCTION TOTAL</b>			<b>\$4,399,000.00</b>
4 years of inflation at 5%			\$948,011.99
10% E & C			\$534,701.20
<b>CONSTRUCTION ESTIMATE SUBTOTAL</b>			<b>\$5,881,713.19</b>
<b>TOTAL CONSTRUCTION ESTIMATE</b>			<b>\$5,882,000.00</b>

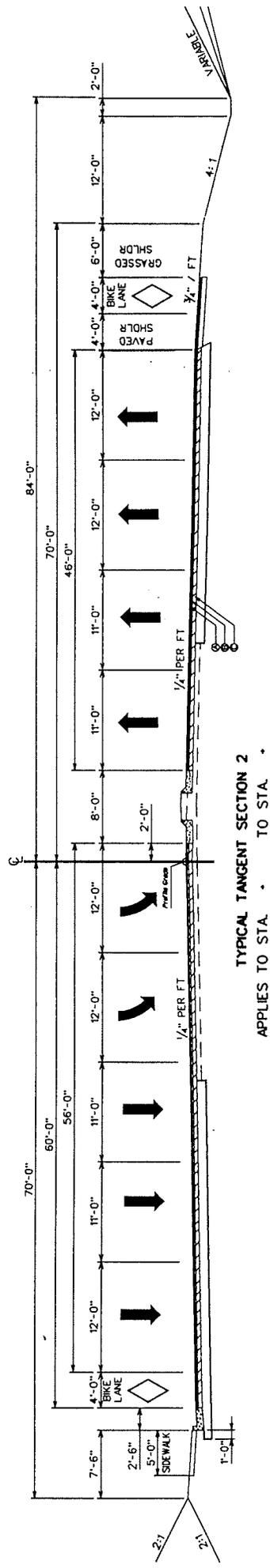
# LOCATION SKETCH



STATE	PROJECT NUMBER	SHEET NO.
GA	STP-034-3(24)	24
	REVISION DATES	



TYPICAL TANGENT SECTION 1  
APPLIES TO STA. . . TO STA. .



TYPICAL TANGENT SECTION 2  
APPLIES TO STA. . TO STA. .



PROJECT NUMBER/COUNTY: STP-034-3(24) BIBB

P. I. NUMBER: 350560

This project concept is contained in the Transportation Improvement Program (TIP) and/or in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the TIP and/or the STIP.

*Marta V. Rosen*

STATE TRANSPORTATION PLANNING ADMINISTRATOR

DATE: 5/06/99