

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0008370, Houston County **OFFICE** Preconstruction
CSMLP-0008-00(370)
SR 11/US 41 Widening **DATE** June 21, 2007

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

TO *GRS* SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

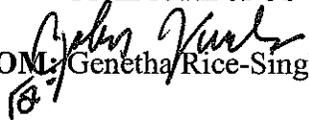
DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
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Keith Golden
Angela Alexander (file copy)
Babs Abubakari
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BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0008370 Houston County **OFFICE:** Preconstruction
CSMLP-0008-00(370)
Widening of SR 11/US 41-
From south of CS 727/Osigian Blvd to CR 75/White Rd **DATE:** June 12, 2007

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the widening and reconstruction of SR 11/US 41 from south of CS 727/Osigian Boulevard to CR 75/White Road. SR 11/US 41 within the project limits is an urban minor arterial. This section of SR 11/US 41 run north-south through the western portion of Houston County and parallel to the I-75 corridor. The existing roadway has two lanes that vary in width between 11.5' and 12'. Houston County is one of Georgia's fastest growing counties. The county population increased over 24% between 1990 and 2000 and has increased an additional 16,000 residents between 2000 and 2005. The base year traffic (2010) along the project corridor is 14,000 VPD. By 2030, the ADT is projected to be 27,700 VPD. The corridor is presently operating at Level-of-Service (LOS) "C" to "D". With no improvements to the corridor, the corridor will operate at LOS "E" to "F". Widening SR 11/US 41 will improve the LOS to "D".

The project will provide an urban 3-lane section with a 14' flush median from Osigian Blvd. to Watson Blvd. and an urban 4-lane section with a 14' flush median from Watson Blvd. to White Road. Traffic will be maintained during construction.

Environmental concerns include requiring a COE 404 permit; GEPA documentation will be prepared; a Public hearing is not required; Time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C And inflation)	\$ 7,468,000	\$ 7,800,000	MLP	2009
Right-of-way & Utilities*	Local	Local		

*Notification letter sent to Centerville & Houston 1-08-2007.

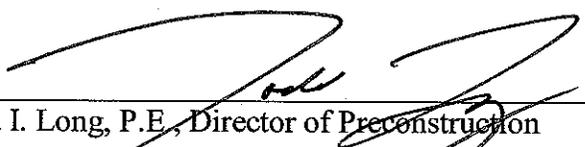
P.I. No. 0008370, Houston County
June 12, 2007

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR



Todd I. Long, P.E., Director of Preconstruction

APPROVED



David E. Studstill, Jr., P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSMLP-0008-00(370) Houston County **OFFICE:** Engineering Services
P.I. No. 0008370
Widening SR 11/US 41

DATE: May 18, 2007

FROM: ^{BKS} Brian K. Summers, P.E., Project Review Engineer

TO: Genetha Rice-Singleton Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report received May 8, 2007 from Jim Hoskins, and have no comments.

The costs for this project are:

Construction	\$6,789,028
E & C	\$ 678,903
Reimbursable Utilities	\$1,615,000
Right of Way	\$2,000,000

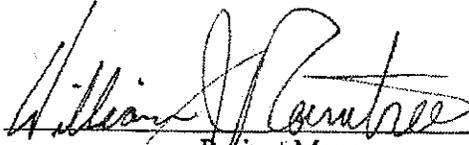
BKS

c: Thomas Howell, Attn.: Jim Hoskins

Project Concept Report page 2
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

Recommendation for approval:

DATE 5/4/07


Project Manager

DATE 5/8/07


Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

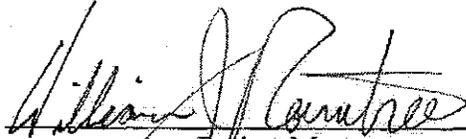
DATE 5/18/07


Project Review Engineer

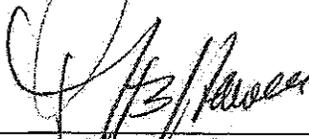
Project Concept Report page 2
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P. I. Number: 0008370
County: Houston

Recommendation for approval:

DATE 5/4/07


Project Manager

DATE 5/8/07


Office Head/District Engineer

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DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE 5-31-07


State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

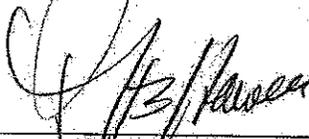
Project Concept Report page 2
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

Recommendation for approval:

DATE 5/4/07


Project Manager

DATE 5/8/07

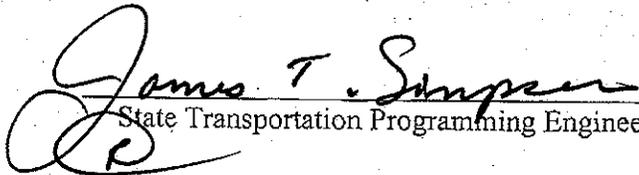

Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 5.15.07


State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

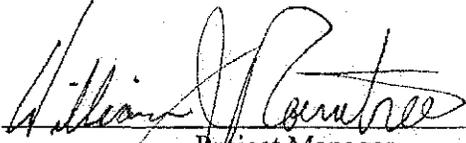
DATE _____

Project Review Engineer

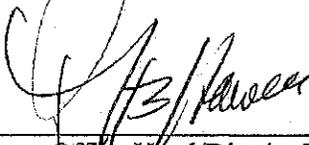
Project Concept Report page 2
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

Recommendation for approval:

DATE 5/4/07

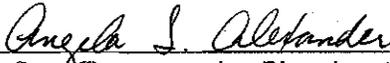

Project Manager

DATE 5/8/07


Office Head/District Engineer

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

DATE 5-24-07


State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0008370

OFFICE: Environment/Location

DATE: June 14, 2007

FROM:


Harvey D. Keeper, State Environmental/Location Engineer

TO:

Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT:

**PROJECT CONCEPT REPORT
CSMLP-0008-00(370) / Houston County
Widening of SR 11 / US 41 from South of CS 727 /
Osigan Blvd. to CR 75 / White Road**

The above subject concept report has been reviewed. Statement on Page 11, which says, "State Fund project will allow for less stringent requirements" should be deleted.

If you have any questions, please contact me at (404) 699-4401.

HDK/lc

Attachment

cc: Brian Summers
Thomas Howell
Keith Golden
Angela Alexander
Jamie Simpson
Paul Liles

Project Concept Report page 2
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

Recommendation for approval:

DATE 5/4/07


Project Manager

DATE 5/8/07


Office Head/District Engineer

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

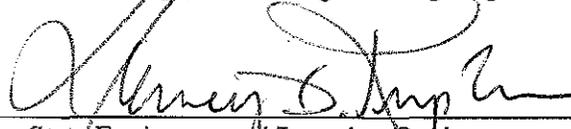
DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE 6.12.07


State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

Project Concept Report page 24
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

NOTICE OF LOCATION AND DESIGN APPROVAL

CSMLP-0008-00(370), Houston County
P. I. No. 0008370

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The date of location approval is JUNE 21, 2007

The proposed improvements entail the widening of the SR 11 / US 41 from South of CS 727/Osigian Blvd to CR 75/White Road. This section of SR 11 / US 41 runs north-south through the Western Portion of Houston County and runs parallel to the Interstate 75 corridor. The scope of this project is primarily in unincorporated Houston County, but briefly crosses into the city limits of Warner Robins near Watson Blvd (SR 247C) and Centerville near Gunn Road.

This project will change the present two lanes of the SR 11 / US 41 to four lanes with a 4' bike shoulder with curb and gutter with a 5' sidewalk. The widening project on SR 11 / US 41 for 1.8 miles begins at mile post 23.30 and continues to mile post 25.10. The project begins in the city of Warner Robins and leaves the city of Warner Robins at mile post 23.57 and continues in Houston County until mile post 24.37. The project exits the City of Centerville at mile post 24.83 and continues in Houston County until the projects end.

Drawings, maps or plats of the proposed project, as approved, are on file and are available for inspection at the Georgia Department of Transportation:

Brink Stokes, Area Engineer
Department Of Transportation
Brink.Stokes@dot.state.ga.us
200 Julianne Street
Perry, Georgia 31069
(478) 988-7151

Any interested party may obtain a copy of the drawings, maps or plats, or portions thereof, by paying a nominal fee and requesting in writing to:

William J. Rountree, P.E., District Design Engineer
Department Of Transportation
bill.rountree@dot.state.ga.us
715 Andrews Drive
Thomaston, Georgia 30286-4524
(706) 646-6604

Any written request or communication in reference to this project or notice SHOULD include the Project and P.I. Numbers as noted at the top of this notice.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

DISTRICT 3

PROJECT CONCEPT REPORT

Widening of the SR 11 / US 41 from South of CS 727/Osigan Blvd to CR 75/White Road.

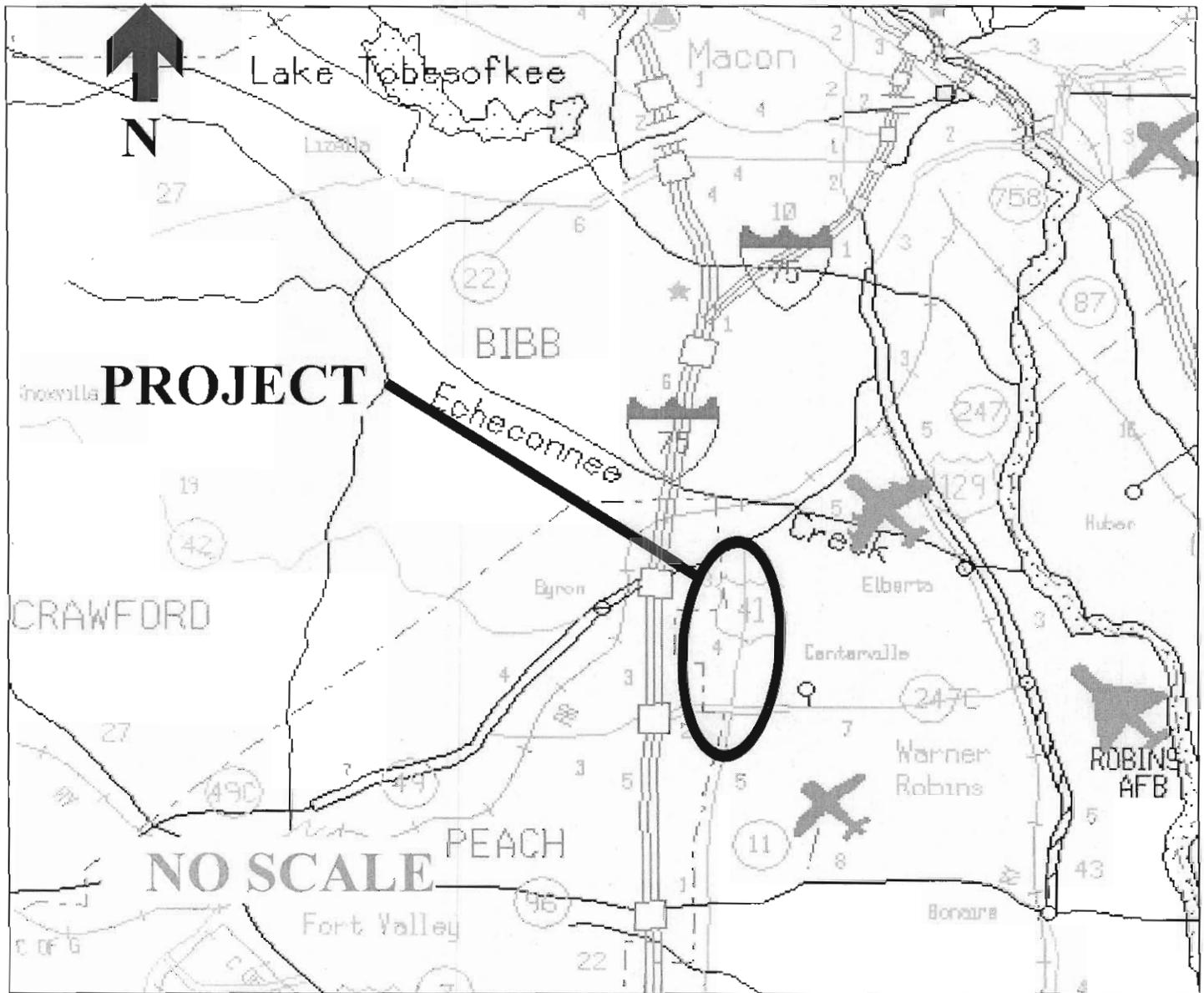
Project Number: CSMLP-0008-00(370)

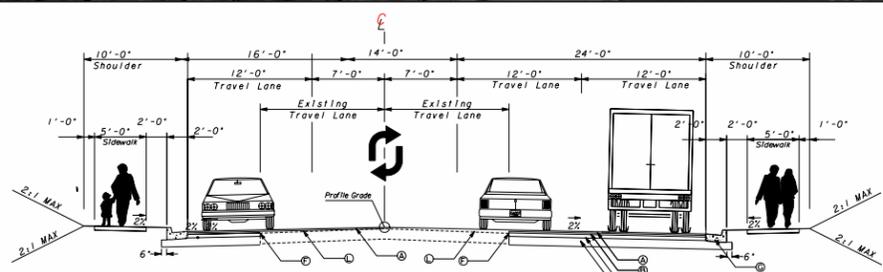
County: HOUSTON

P. I. Number: 0008370

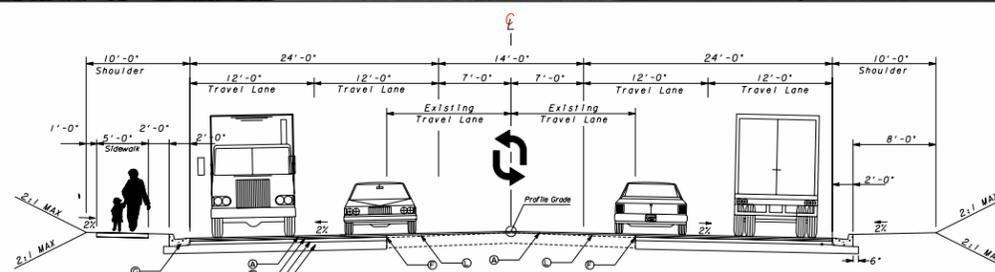
Federal Route Number: 41

State Route Number: 11

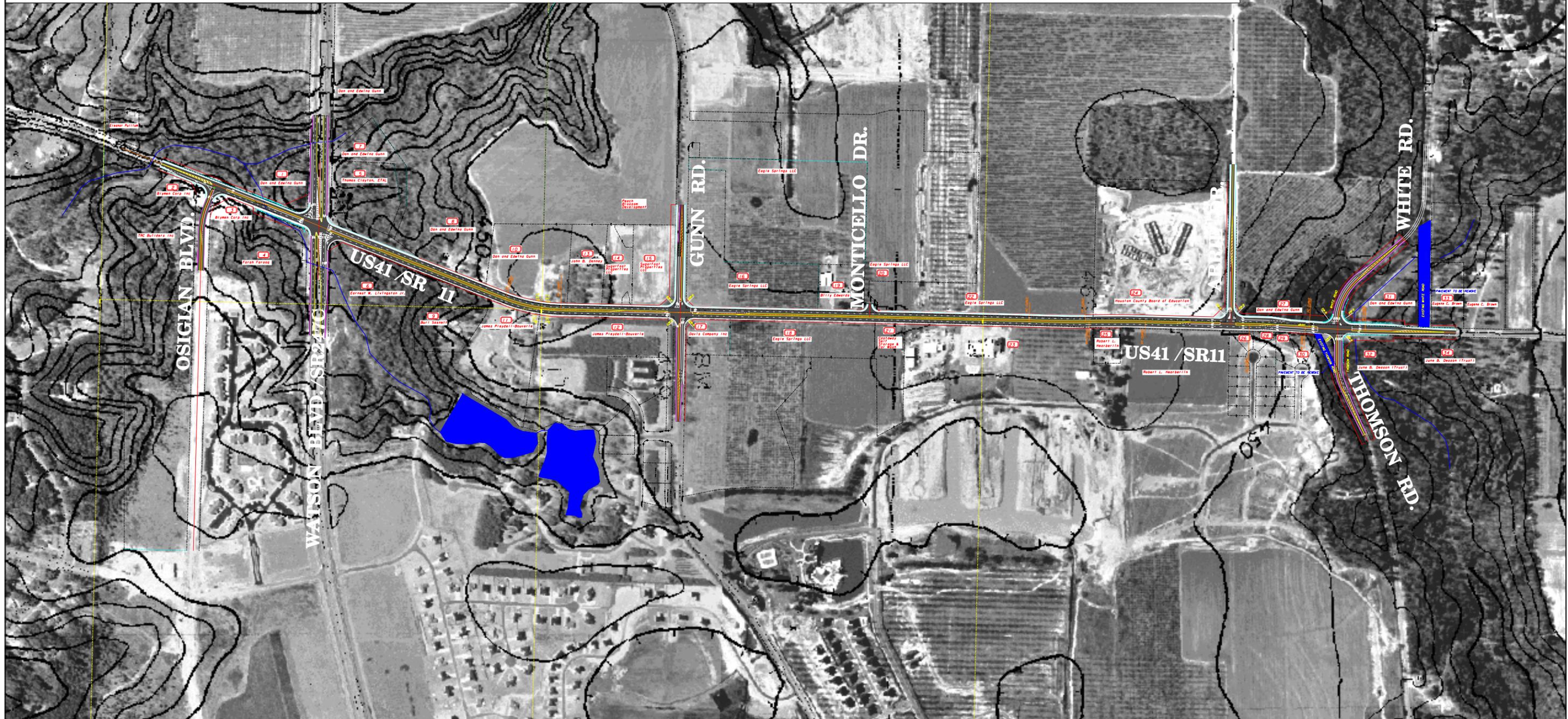
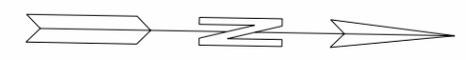




Typical Section between Osigian and Watson Blvd.
Urban 3-Lane 14' Flush Median



Typical Section between Watson Blvd. and White Rd.
Urban 4-Lane 14' Flush Median



- CONSTRUCTION CENTERLINE
- PROPOSED EDGE OF TRAVEL WAY
- PROPOSED EDGE OF PAVED SHOULDER
- EXISTING EDGE OF PAVEMENT
- SIDEWALK
- EXISTING RIGHT OF WAY / PROPERTY LINE
- PROPOSED RIGHT OF WAY
- POTENTIAL DISPLACEMENT

CONCEPT LAYOUT

STATE ROUTE 11 / US 41

FROM OSIGIAN ROAD TO WHITE ROAD



HOUSTON COUNTY
P. I. NO. 0008370
CSMLP-0008-00(370)

Project Concept Report page 2
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

Recommendation for approval:

DATE 5/4/07


Project Manager

DATE 5/8/07


Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

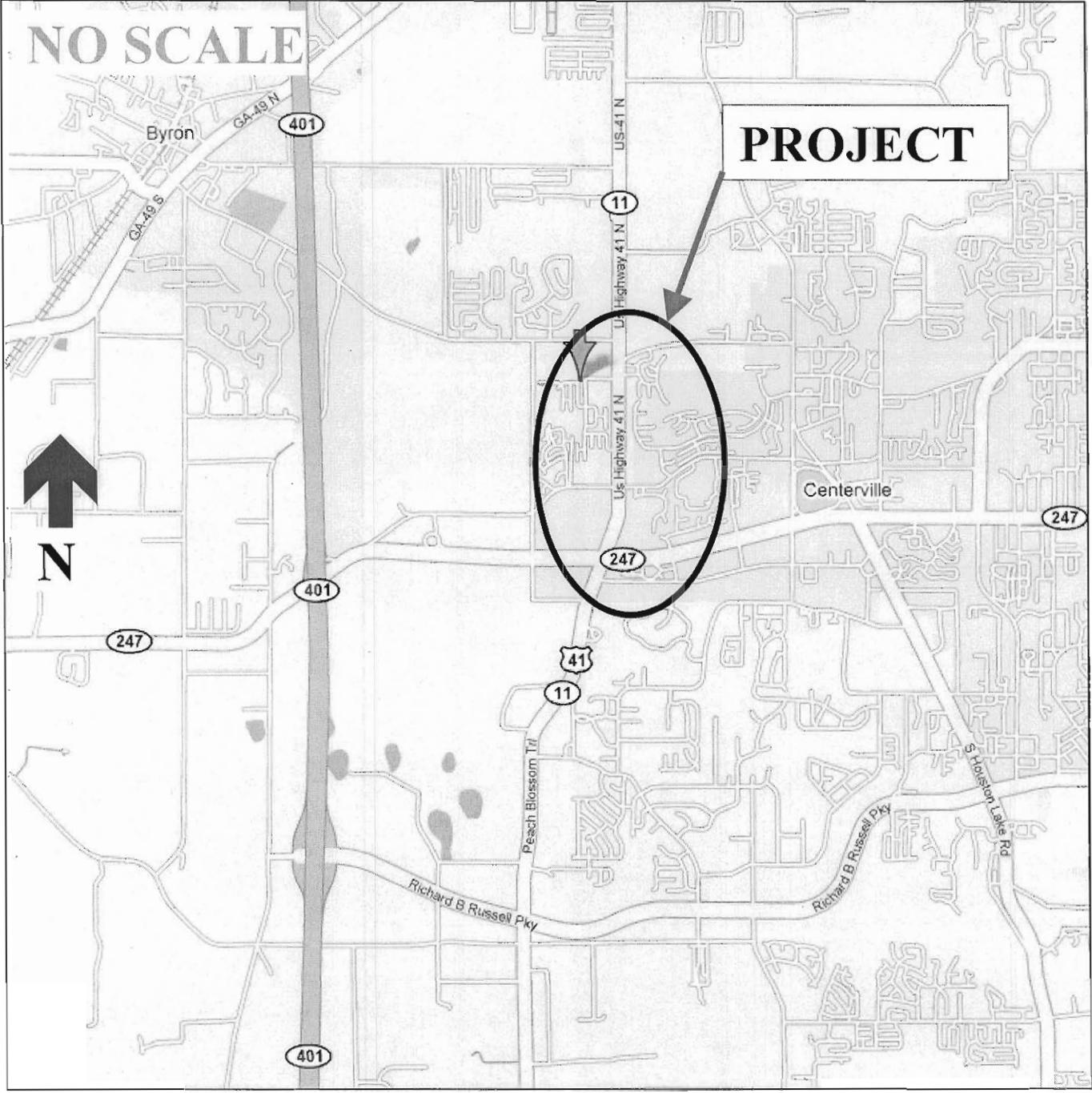
State Traffic Safety & Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer



Need and Purpose

Background:

The proposed improvements entail the widening of the SR 11 / US 41 from South of CS 727/Osigan Blvd to CR 75/White Road. This section of SR 11 / US 41 runs north-south through the Western Portion of Houston County and runs parallel to the Interstate 75 corridor (see Map of US 41 / SR 11 Corridor in the Attachments). The scope of this project is primarily in unincorporated Houston County, but briefly crosses into the city limits of Warner Robins near Watson Blvd (SR 247C) and Centerville near Gunn Road. The Preliminary engineering phase of this project PI# 0008370 is scheduled for 2007. The Right of Way phase is scheduled for 2007, and the construction phase is scheduled for 2009.

Houston County is one of Georgia's fastest growing counties. The county increased by over 24% between 1990 and 2000 and has increased an additional 16,000 residents between 2000 and 2005. The city of Warner Robins has experienced similar rates of growth by having an 11% growth rate between 2000 and 2005. These trends are forecasted to continue with Georgia's influx of residents and economic development.

Eagle Springs Elementary School is the major activity center and traffic generator located on the northern end of the project on SR 11 / US 41 near Arrie Drive. The GDOT PM along with local officials have expressed that this school zone is causing a congestion problem along this section of two-lane road during AM/PM peak hours. Left and Right turn lanes already exist in both directions entering the school. Thomson Middle School is also new school that is located on Thomson Road one half (1/2) mile east of the northern terminus of the project corridor. This school is also a local traffic generator affected by the project.

Existing Route Conditions:

The existing roadway has two lanes that vary in width between 11.5 and 12 feet. The posted speed limit is 45 mph along this route. The functional classification for US 41 / SR 11 within the scope of this project is Urban Minor Arterial. The percentage of trucks of the US 41 / SR 11 corridor is estimated at ten percent (10%).

Existing and Project Traffic Conditions:

Level-of-Service (LOS) is a measure used to describe operational conditions within a traffic stream. There are six identified LOS at which a roadway can operate. A letter "A" through "F" identifies each of the six. LOS "A" represents free flow traffic where drivers are virtually unaffected by the presence of other vehicles; whereas, LOS "F" represents operating conditions in which demand exceeds capacity.

Table 1 below shows the current LOS according to design traffic (see map on page 5) along US 41 / SR 11, as well as estimated future LOS for the year 2030. The “build” scenario assumes additional capacity is added to the corridor, while the “no-build” column shows LOS if no improvements are made.

TABLE 1		2030 Statistics			
Route	Location	2006		2030 Design Traffic	NO - BUILD LOS
		Design Traffic	Current LOS		
US 41 / SR 11	Watson Blvd – SR247C	8,400	C	19,000	E
		2 Lanes			
US 41 / SR 11	Just South of White Rd	12,800	D	29,400	F
		2 Lanes			

Note: Traffic data from Design Traffic - provided to Planning on 1/29/2007

The current (2006) design traffic for the US 41 / SR 11 corridor between Osigian Blvd and Gunn Road (including SR 247C / Watson Blvd intersection) is 8,400 Vehicles per day with a LOS ‘C’. It is anticipated that the LOS will deteriorate to LOS ‘D’ by next year (2007). The 2030 design traffic indicates that without improvements this portion of US 41 / SR 11 is projected to experience a LOS ‘E’.

The current (2006) design traffic for the US 41 / SR 11 corridor between Gunn Road and White Road is 6,530 Vehicles per day. This indicates a current LOS ‘D’. It is anticipated that the LOS will deteriorate to LOS ‘E’ as soon as the year 2013. The 2030 design traffic indicates that without improvements this portion of US 41 / SR 11 is projected to experience a LOS ‘F’.

Logical Termini:

For the SR 11 / US 41 corridor, the southern terminus is Osigian Blvd (just south of SR 247C Watson Blvd). Osigian Blvd will provide a secondary access road to the major artery (Watson Blvd). Both Osigian and Watson run parallel to the east towards the large commercial district of Warner Robins (see Map of SR 11 / US 41 Corridor in the Attachments). Osigian Blvd will provide relief to the major artery increased and add additional connectivity to the area which relies solely on Watson Blvd for local East-West access.

The northern terminus of this widening project is White Road / Thomson Road. On the north end, White and Thomson Roads will be realigned as part of this project to intersect with each other at SR 11 / US 41. White Road (leading to the West) provides direct access to the nearby town of Byron (see Map of SR 11 / US 41 Corridor in the Attachments) due to the overpass over Interstate 75. Thomson Road (to the East) provides connectivity to numerous subdivisions that have been recently constructed in the area between SR 11 / US 41 and North Houston Lake Blvd (see Map of SR 11 / US 41 Corridor in the Attachments). The Thomson Middle School was just opened in 2006 located along Thomson Road just east of SR 11 / US 41. Additional peak hour school traffic will be turning East of this project to access the new middle school.

The logical termini for the project are Osigian Blvd on the southern terminus and White Road / Thomson Road on the northern terminus. It is anticipated that a significant traffic drop will occur at the proposed termini. It is also anticipated that capacity adding improvements would not create the need for future roadway projects; any additional capacity would have independent utility.

Project Linkage:

As listed in Table 2 below, PI# 342340 is located on SR247C (Watson Blvd.), the major east-west arterial. The western terminus of this proposed project intersects with this SR 11 / US 41 project (PI # 0008370). The widening of SR247C will increase ADT on both roadways (SR247C and SR 11 / US 41).

Table 2: Projects in the Vicinity

Project No.	Project Description	Project Schedule
PI No. 342340	SR 247C FM SR 11 / US 41 TO SR 247	PE -Auth. ROW - 2009 CST - LR

Environmental Justice

Of the 110,765 residents of Houston County, the ethnic groups consist of 70.6% White and 24.8% African American, 3% Hispanic, and 1.6% Asian. The minority population density along this project corridor was well under the state average. The median household income along this project corridor was above \$34,000 while the Houston County average income was reported to be \$46,316 (2003).

Land Use

The land use along this route is partially developed with additional residential subdivisions continuing to be added. Additional new schools (one elementary: Eagle Springs Elementary School / one middle school: Thomson Middle School) have been added to the area. There are new commercial developments on the corridor. The primary commercial district of Warner Robins, on SR 247C / Watson Blvd is intersecting the project corridor.

Bike and Pedestrian Facilities

The SR 11 / US 41 corridor is identified in the Middle Georgia Regional Develop Center's (RDC) Bike and Pedestrian plan as already being designated part of the "Central Route Corridor #15" bike route. In the Middle Georgia 5 Year plan, White Road has been designated for the addition of a bike route with signage and a potential 4 foot bike lane. Thomson Road has also been identified in the RDC's Long Range plan for an additional bike route.

Accident Data

Table 3 (on page 4) shows 2003, 2004, and 2005, the latest years that complete accident data is available for the US 41 / SR 11 (PI# 0008370) project corridor. A review of Table 3 (on Page 4) shows that the accident and injury rates for PI# 0008370 on US 41 / SR 11 is higher than the statewide average for all three years 2003, 2004, and 2005. Only the fatality rate was lower than the statewide average in all three years.

The significant proportion of accidents occurred at the following locations: The intersection of SR 247C / Watson Blvd (41% in 2003, 53% in 2004, and 33% in 2005), the intersection of Gunn Road, and near the intersections of Thomson Road and White Road. The prominent types of accidents along this route are "rear end" and "angle" collisions which indicative of congestion and / or significant turning movements along a roadway.

Table 3: Accidents / Accident Rates for the US 41 / SR 11
 From Osigian Blvd to White Road

US 41 / SR 11	2003		2004		2005	
	SR 11	State	SR 11	State	SR 11	State
Accidents	56	-----	57	-----	51	-----
Accident Rate	1341	212	1247	243	1210	181
Injury Accidents	39	-----	20	-----	30	-----
Injury Rate	934	113	438	80	712	63
Fatal Accidents	0	-----	0	-----	0	-----
Fatality Rate	0	2.56	0	2.43	0	2.48

Table 4: Accidents Type for the US 41 / SR 11
 From Osigian Blvd to White Road
 During the years 2003, 2004, and 2005

Type of Accident	2003	2004	2005	Total	Percent
Rear End	28	31	26	85	52%
Angle	17	19	14	50	30%
Side Swipe	1	2	2	5	3%
Head On	1	0	1	2	1%
Not a Collision w/a Vehicle	8	6	8	22	13%
Sub-total	55	58	51	164	100%

Need and Purpose

This project is needed to satisfactorily accommodate future traffic demands. Potential benefits of the project include improved safety along the SR 11 / US 41 and improved access to schools and commercial districts.

Description of the proposed project:

The proposed widening project on SR 11 / US 41 is 1.8 miles long and begins at mile post 23.30 and continues to mile post 25.10. The project begins in the city of Warner Robins at mile post 23.30 and leaves the city of Warner Robins at mile post 23.57 and continues in Houston County until mile post 24.37. The project enters City of Centerville at mile post 24.37. The project later exits the City of Centerville at mile post 24.83 and continues in Houston County until the projects end at mile post 25.10. The existing roadway US 41 / SR 11 has two lanes that vary in width between 11.5 and 12 feet with grass shoulders which vary in width between 2 to 6 feet. The width of the existing right of way varies from 60' to 160'. The posted speed limit is 45 mph along this route. The functional classification for US 41 / SR 11 within the scope of this project is Urban Minor Arterial. The percentage of trucks of the US 41 / SR 11 corridor is estimated at ten percent (10%). The proposed roadway US 41 / SR 11 has four 12 feet lanes and a center lane with a 14 feet width. The proposed roadway will have 10 feet shoulders including curb, gutter and a sidewalk. The project will improve safety along the SR 11 / US 41 and improved access to schools and commercial districts.

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

PDP Classification: Major Minor X .

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

Functional Classification: Urban Minor Arterial

U. S. Route Number(s): 41 State Route Number(s): 11

Traffic (AADT):

Streets	AADT	
	2010	2030
SR 11/ US 41	14,000	27,700
Osigian Blvd	1,800	5,600
Watson Blvd	32,100	63,400
Gunn Road	5,800	11,500
Monticello Drive	1,400	2,700
Arrie Drive	1,400	2,700
Thomson Road	2,800	5,400
White Road	12,000	23,400

K = 8%
D = 77%
T = 8%
24 HR T = 10%

Existing design features:

EXISTING DESIGN FEATURES - TYPICAL SECTION						
Streets	No. of Lanes	Lane Width	Turn lanes	Curb and gutter	Sidewalk	Width of R/W
SR 11/ US 41	2	11.5-12	none	none	none	60'-160'
Osigian Blvd	NA	NA	NA	NA	NA	NA
Watson Blvd	4	12.5	left	none	none	300'
Gunn Road	2	9.5	none	none	none	50'-80'
Monticello Drive	2	11.5	none	none	none	80'
Arrie Drive	2	11.5	11' left	none	none	80'
Thomson Road	2	10	none	none	none	60'
White Road	2	11	none	none	none	80'

- Posted speed 45 mph
- Minimum radius of curve: 600 ft.
- Maximum grade:
 - Mainline 6%
 - Cross Roads 8%
 - Driveways 6%
- Major structures: None
- Major interchanges or intersections along the project:
 - A. SR 11/ US 41 and Watson Blvd.
 - B. SR 11/ US 41 and Gunn Road
 - C. SR 11/ US 41 and White Road
- Existing length of roadway segment and the beginning mile logs for each county segment.
 - SR 11/ US 41 mile 23.30 to mile 25.10, Total = 1.80 miles
 - Watson Blvd. / SR 247C mile 0.10 to mile 0.37, Total = 0.27 miles
 - Gunn Road / CS 1118 mile 0.00 to mile 0.14, Total = 0.14 miles
 - Gunn Road / CS 096003 mile 1.23 to mile 1.37, Total = 0.14 miles
 - Monticello / CS 1022 mile 0.00 to mile 0.03, Total = 0.03 miles
 - Arrie Drive / CS 1052 mile 0.00 to mile 0.15, Total = 0.15 miles
 - White Road / CR 75 mile 1.07 to mile 1.22, Total = 0.15 miles
 - Thomson Road / CR 78 mile 0.00 to mile 0.15, Total = 0.15 miles
 - Osigian / CS727 mile 1.86 mile 1.91, Total = 0.05 miles

Proposed Design Features:

PROPOSED DESIGN FEATURES - TYPICAL SECTION						
Streets	No. of Lanes	Lane Width (FT)	Turn lanes	Curb and gutter	Sidewalk	Width of R/W (FT)
SR 11/ US 41	5	12 & 14 CENTER LANE	LEFT & RIGHT	YES	YES	105 - 120
Osigian Blvd	3	12	LEFT & RIGHT	none	none	80
Watson Blvd	4	12	LEFT & RIGHT	none	none	300
Gunn Road	2	12	LEFT & RIGHT	none	none	100
Monticello Drive	2	12	NONE	YES	none	80
Arrie Drive	2	12	LEFT & RIGHT	YES	none	100
Thomson Road	2	12	LEFT & RIGHT	none	none	100
White Road	2	12	LEFT & RIGHT	none	none	100

Project Concept Report page 11
 Project Number: CSMLP-0008-00(370)
 P. I. Number: 0008370
 County: Houston

- Proposed Design Speed Mainline 45 mph
- Proposed Maximum grade Mainline 5 %
- Maximum grade allowable 7 %.
- Proposed Maximum grade Side Street 8 %
- Maximum grade allowable 7 %.
- Proposed Maximum grade driveway 10 %
- Proposed minimum radius of curve: 1100'
- Right of Way:
 - Easements: Driveway (X), Permanent (X), Utility (X), Other ()
 - Type of access control: Full (), Partial (), By Permit (X), Other ()
 - Number of parcels: 34 Number of displacements:
 - Business: NONE
 - Residences: NONE
 - Mobile homes: NONE

- Structures:
 - Bridges: NONE
 - Retaining walls: Potential wall along SR 11/ US 41 across from Arrie Drive
- Major intersections and interchanges:
 - SR 11/ US 41 and Watson Blvd.
 - SR 11/ US 41 and Gunn Road
 - SR 11/ US 41 and White Road
- Traffic control during construction: No Detours Required
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

- Design Variances; Potential Design Variance for no sidewalk on east side
- Design Variances; Sign bike route along State Bike Route 15 which is SR 11/ US 41
- Environmental concerns: GEPA document will be completed. ~~State fund project will allow for less stringent requirements.~~ *Jell 6/12/07*
 - Ecology: Two creeks headwater may be a potential impact, the study is in the early stages.

- History: Old Peach Packing Shed along the route was in built 1931. Houston County officials said the owner was in the process of removing the Old Peach Packing Shed. Old Store with Underground storage tanks just south of Gunn Road.
- Underground Storage Tanks:
 - Old gas station between Watson Blvd. and Gunn Road.
 - Two new service stations at the intersection of Gunn Road and SR11 /US 41
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - GEPA documentation (X),

- Utility involvements:

Mr. Gary Ryle, Manager
BellSouth Telecommunications, Inc.
1237 Guy Paine Road
Macon, Georgia 31206

Mr. Tommy Stalnaker
Houston County Water System
2018 Kings Chapel Road
Perry, Georgia 31069

Ms. Marianne Golmitz, P.E., Utility Engineer
City of Warner Robins Utility Department
P.O. Box 1488
95 Glenn Drive
Warner Robins, Georgia 31099

Mr. Wayne James,
Superintendent
Jointly Owned Natural Gas
97 Glenn Drive
Warner Robins, Georgia 31093

Mr. George Harvey, Construction Supervisor
Cox Communications, Inc.
6601 Hawkinsville Road
Macon, Georgia 31206

Mr. Robbie Watson
Watson Cable Company
1127 Leverette Road
Warner Robins, Georgia 31088

Mr. Roger Jones
Flint EMC
900 Highway 96
Warner Robins, Georgia 31088

Mr. Dale Mills, Staff Representative
Georgia Power Company - Transmission
960 Key Street
Macon, Georgia 31204

Mr. Carl Gooch
Windstream Communications (f/k/a Alltel)
P.O. Box 868
750 N. Jefferson Street
Milledgeville, Georgia 31061

Project Concept Report page 13
Project Number: CSMLP-0008-00(370)
P. I. Number: 0008370
County: Houston

Project responsibilities:

- Design: Houston County
- Right of Way Acquisition: Houston County
- Relocation of Utilities: Houston County
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Contractor
- Providing detours: None Required

Coordination

- Initial Concept Meeting date and brief summary; May 3, 2006, Houston County US 41 / SR 11 Widening Project, see attached minutes.
- Concept team meeting minutes, County Commissioner Office, 201 Perry Parkway, (New Court House), Perry, Georgia, Tuesday, April 10, 2007, see attached minutes.
- Local government comments. Houston County very much wants the project and needs it as soon as possible.
- PI# 342340 on SR247C (Watson Blvd.) is a project located near the project PI# 0008370 (SR 11 / US 41 Corridor)

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete the Section 404 Permit: 8 Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 18 Months.
- Major item that will affect the project schedule: Relocate Utilities 12 Months.

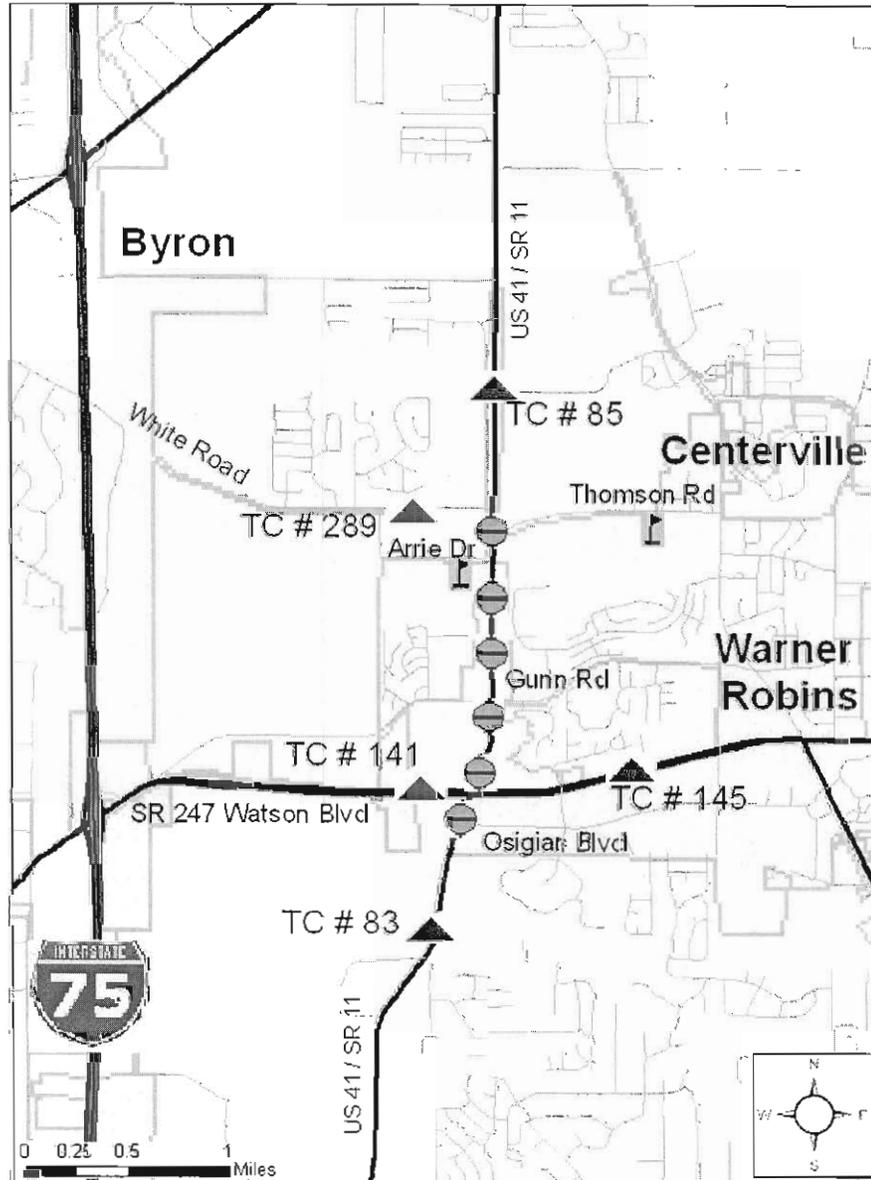
Other alternates considered: Build or No Build

Attachments:

1. Need and Purpose, Map of SR 11 / US 41 Corridor
2. Cost Estimates:
3. Typical sections,
4. Accident summaries,
5. Capacity analysis,
6. Minutes of Initial Concept Meetings, May 3, 2006, Houston County US 41 / SR 11 Widening Project
7. Concept team meeting minutes, County Commissioner Office, 201 Perry Parkway, (New Court House), Perry, Georgia, Tuesday, April 10, 2007
8. Location and Design Notice

Map of SR 11 / US 41 Corridor Northwestern Houston County

PI # 0008370 Need & Purpose (Houston Co.)



● = Project Area ▮ = Schools ▲ = Traffic Count Stations

Project Concept Report page 15
 Project Number: CSMLP-0008-00(370)
 P. I. Number: 0008370
 County: Houston

PRELIMINARY COST ESTIMATE

PREPARED BY: Bill Rountree

PROJECT LENGTH: 1.70 miles

ESTIMATED LETTING DATE: None

()PROGRAMMING PROCESS (X)CONCEPT DEVELOPMENT ()DURING PROJECT DEV.

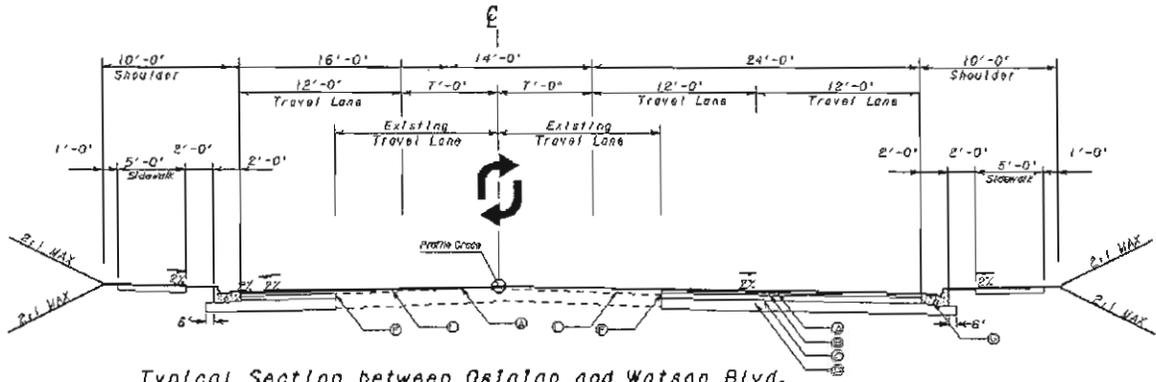
PROJECT COST		
A. RIGHT-TO-WAY:		
1. PROPERTY (LAND & EASEMENT 8 ac @ varies see estimate		\$963,700.00
2. DISPLACEMENTS; RES: 0, BUS: 0, M.H.: 0		\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)		\$651,300.00
	SUBTOTAL:A	\$1,615,000.00
B. REIMBURSABLE UTILITIES:		
1. RAILROAD		\$
2. TRANSMISSION LINES		\$1,000,000.00
3. SERVICES		\$1,000,000.00
	SUBTOTAL:B	\$2,000,000.00
C. CONSTRUCTION:		
1. MAJOR STRUCTURES		\$0.00
a. OVERPASSES		
b. CULVERT		
1) CLASS A CONCRETE 140 CY \$500.00 PER CY		\$70,000.00
2) REINFORCING STEEL 16,200 LB \$0.80 PER LB		\$12,960.00
	SUBTOTAL:C-1	\$82,960.00
2. GRADING AND DRAINAGE:		
a. EARTHWORK 46,000 CY \$9.00 PER CY		\$414,000.00
b. DRAINAGE:		
1) Cross Drain Pipe 8 EA \$4,800.00 PER EA		\$38,400.00
2) Curb and Gutter (26,700 ft @ \$15.00/ft)		\$400,500.00
3) Longitudinal System(include catch basins)		\$1,000,000.00
	SUBTOTAL:C-2	\$1,852,900.00
3. BASE AND PAVING:		

PROJECT COST		
a. AGGREGATE BASE (37,600Ton @ \$20.00/ Ton)		\$752,000.00
b. ASPHALT PAVING: Surface (6,500 Ton @ \$100.00/ Ton)	\$650,500.00	
Binder (6,200 Ton @ \$100.00/ Ton)	\$620,000.00	
Base (12,300 Ton \$55.00/ Ton)	\$1,230,000.00	
SUBTOTAL:C-3.b		\$2,500,000.00
c. CONCRETE PAVING		
d. OTHER (Bituminous Tack: 4,700 Gal @ \$2.00/ Gal)		\$9,400.00
SUBTOTAL:C-3		\$3,262,200.00
4. LUMP ITEMS:		
a. GRASSING (13 ac @ \$1,600/ ac)		\$26,000.00
b. CLEARING AND GRUBBING (33 ac @ \$5,000/ ac)		\$165,000.00
c. LANDSCAPING		\$0.00
d. EROSION CONTROL (LUMP)		\$500,000.00
e. TRAFFIC CONTROL		\$100,000.00
SUBTOTAL:C-4		\$791,000.00
5. MISCELLANEOUS:		
a. LIGHTING ()		\$0.00
b. SIGNING - 50 EA \$560.00 PER EA		\$28,000.00
c. PAVEMENT MARKING 13,400 LF \$1.52 PER LF		\$20,368.00
d. GUARDRAIL - (400 ft @ \$24.00/ ft)		\$9,600.00
e. SIDEWALK (12,400 yd ² @ \$35.00/ yd ²)		\$434,000.00
f. CROSS DRAIN PIPE RIP RAP - 8 EA \$1000.00 PER EA		\$8,000.00
f. TRAFFIC SIGNAL - 3 EA \$100,000.00 PER EA		\$300,000.00
SUBTOTAL:C-5		\$799,968.00
6. SPECIAL FEATURES: NONE		
SUBTOTAL:C-6		\$ 0.00

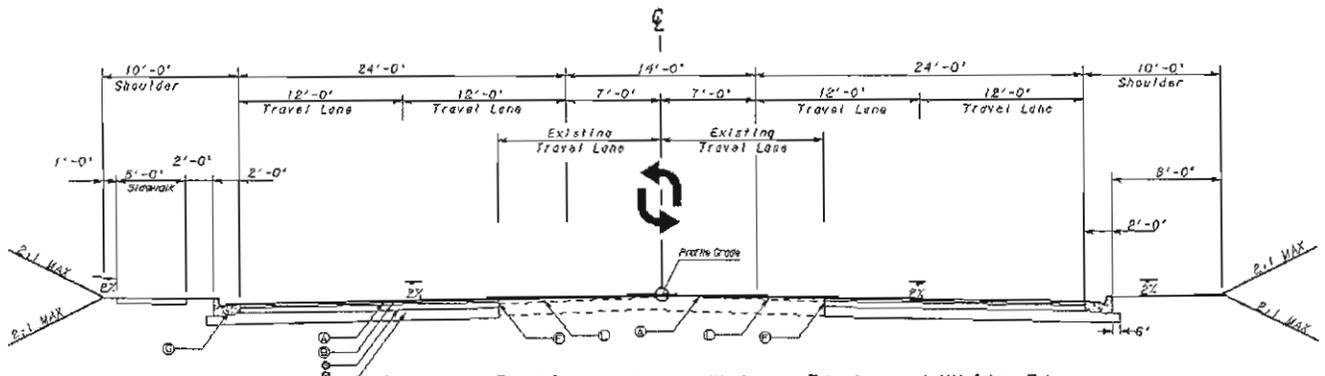
ESTIMATE SUMMARY	
A. RIGHT-OF-WAY ()	\$1,615,000.00
B. REIMBURSABLE UTILITIES	\$2,000,000.00
C. CONSTRUCTION	
1. MAJOR STRUCTURES	\$82,960.00
2. GRADING AND DRAINAGE	\$1,852,900.00
3. BASE AND PAVING	\$3,262,200.00
4. LUMP ITEMS	\$791,800.00
5. MISCELLANEOUS	\$799,968.00
6. SPECIAL FEATURES	\$0.00
SUBTOTAL CONSTRUCTION COST	\$6,789,028.00
E. & C. (10%)	\$678,902.80
INFLATION (5% PER YEAR)	\$0.00
NUMBER OF YEARS	0
TOTAL CONSTRUCTION COST	\$7,467,930.80
GRAND TOTAL PROJECT COST	\$11,082,930.80

This project is 100 percent in congressional district 3.

TYPICAL SECTIONS



Typical Section between Osiglan and Watson Blvd.
 Urban 3-Lane 14' Flush Median
 Tangent



Typical Section between Watson Blvd. and White Rd.
 Urban 4-Lane 14' Flush Median
 Tangent

Accident Summaries

Accidents / Accident Rates for the US 41 / SR 11
 From Osigian Blvd to White Road

US 41 / SR 11	2003		2004		2005	
	SR 11	State	SR 11	State	SR 11	State
Accidents	56	-----	57	-----	51	-----
Accident Rate	1341	212	1247	243	1210	181
Injury Accidents	39	-----	20	-----	30	-----
Injury Rate	934	113	438	80	712	63
Fatal Accidents	0	-----	0	-----	0	-----
Fatality Rate	0	2.56	0	2.43	0	2.48

Accidents Type for the US 41 / SR 11
 From Osigian Blvd to White Road
 During the years 2003, 2004, and 2005

Type of Accident	2003	2004	2005	Total	Percent
Rear End	28	31	26	85	52%
Angle	17	19	14	50	30%
Side Swipe	1	2	2	5	3%
Head On	1	0	1	2	1%
Not a Collision w/a Vehicle	8	6	8	22	13%
Sub-total	55	58	51	164	100%

CAPACITY ANALYSIS

TABLE 1		2030 Statistics			
Route	Location	2006		2030 Design Traffic	NO - BUILD LOS
		Design Traffic	Current LOS		
US 41 / SR 11	Watson Blvd – SR247C	8,400	C	19,000	E
		2 Lanes			
US 41 / SR 11	Just South of White Rd	12,800	D	29,400	F
		2 Lanes			

Note: Traffic data from Design Traffic - provided to Planning on 1/29/2007

Minutes of Initial Concept Meetings
May 3, 2006
Houston County US 41 / SR 11 Widening Project Meeting Minutes

Present: Thomas Howell, David Millen, Kerry Gore, Bill Rountree, Robert O'Rourke, Robbie Dunbar, Van Harrington, Johnny Brooks

Meeting Highlights:

- Use a symmetrical section except possible shift just south of the new Thomson/White Road intersection to avoid impacts to new houses.
- Signal will exist at Thomson/White Road intersection; Houston County will re-align this intersection, but will not do any widening to US 41/SR 11; it will remain 2-12' lanes.
- Use a free-flowing right from Osigian to US 41/SR 11 to open up two northbound lanes.
- Make Watson @ US41/SR11 a Type B median cross-over.
- Use 24" Curb and Gutter instead of 30"
- Use 4-12' lanes, 24" C&G, 2' Grass, 5' sidewalk typical section. It was determined that a 4' bike shoulder needs to be added to each side after the meeting due to the road being on a State Bike Route
- Poles will have to move at Gunn Road (transmission line)
- School accel/decel was built symmetrical to the west. We will install a right turn lane at the school entrance and Arrie Drive along SB US41/SR11.
- Use a free flowing right turn lane off White Road to US41/SR11 to open up two southbound through lanes.
- Program a project \$8,600,000
- Write a PFA
- Use mast arms at Thomson Road and Gunn Road
- The signal at Watson and US41/SR11 will have box and strain poles
- There is a water line under US 41 @ Osigain that is now under construction that will be relocated.
- A Speed Ordinance Change process to 45 MPH will be pursued by District Traffic Operations (Scott Parker) when the project is closer to being let to contract.
- Install a new EB right turn lane from Watson to US41/SR11
- There will need to be extra easement established for the transmission line on the west side of US41/SR11 beginning at Gunn Road. The South side of Gunn Road has a transmission line as well that will need a replacement easement.
- The right US41/SR11 southbound through lane will end in a trap right turn lane at Watson Blvd.
- The right US41/SR11 northbound through lane will end in a trap right at the Thomson / White Road intersection.
- Three lanes will taper back to two 650' north of the Thomson/White Road intersection. Design will be attempted to prevent lengthening the culvert under US41/SR11 just north of the intersection.
- Three lanes will taper back to two 550' south of Osigian Road.
- Thomas Howell commissioned Right of Way, Utilities, and design to have RW, Utilities, and Construction Estimates completed as soon as possible. Try to stay within the \$8,600,000.00.

CONCEPT TEAM MEETING MINUTES
CSMLP-0008-00(370), HOUSTON
P. I. NO. 0008370

LOCATION: County Commissioner Office, 201 Perry Parkway, (New Court House), Perry, Georgia

DATE/TIME: Tuesday, April 10, 2007, 10:00 a.m.

The concept team meeting for the Georgia D.O.T. project was held at 10:00 a.m. with Bill Rountree, District Design Engineer, officiating. Team members present were:

Paul Roberts - Flint E.M.C.
Bart Hardwick - Flint E.M.C.
Tommy Stalnaker -- Houston County
Robbie Dunbar -- Houston County
Ronnie Heald -- Houston County
Joe Samples -- Houston County
Johnny Brooks -- Houston County
Griff Clements -- City of Warner Robins
Jessica Swecker -- City of Warner Robins
John Kilko -- City of Warner Robins
Walter Gray -- City of Warner Robins
Jesse Fountain -- WRATS / Warner Robins
Mike Brumfield -- City of Centerville
Keith Grace -- City of Centerville
Dale Mills -- Ga. Power
Alan McEver - Windstream
Carl Gooch -- Windstream
Bill McDaniel -- City of Byron
Carlene Moore -- Representative for DOT Board Member Larry Walker
Steve Manley -- R/W Consultant -- General Office
Debra Pruitt -- GDOT District 3 Environmental
Ken Robinson - GDOT District 3 Maintenance Engineer
Glenn A. Williams -- GDOT District 3 Utilities
Brink Stokes -- GDOT Area Engineer
Scott Parker -- GDOT District 3 Traffic
Audrey Gooch -- GDOT District 3 Local Govt.
Tommy Cleveland -- GDOT District 3 Location Engineer
Bill Rountree -- GDOT District 3 Design Engineer
Jim Hoskins -- GDOT District 3 Designer

The following constitutes the minutes for the concept team meeting held on April 10, 2007. These minutes are a summary in nature and do not attempt to document every item discussed nor statement made. Should your recollection differ from what is contained herein or you wish to add something, please contact Bill Rountree at (706) 646-6604, or via email at bill.rountree@dot.state.ga.us.

- I. The meeting began at approximately 10:00 a.m. Bill Rountree provided everyone with an Agenda Sheet and a Draft Copy of the Project Concept Report of the project.
- II. Tommy Stalnaker welcomed everyone and described the meeting facilities. Tommy stated that Houston County very much wants the project and needs it as soon as possible.
- III. Bill then requested that everyone introduce themselves.

- IV. Bill Rountree described the project.
- a) Project was introduced at May 2006 meeting.
 - b) Survey has been performed
 - c) State and local funds are to be used on the project. Federal guidelines are being followed in case federal money is to be used on the project in the future.
 - d) Houston requested that only one side of the project have a side walk.
 - e) Three signal are on the project
 - i) Upgrade the signal at Watson Blvd.
 - ii) New signal at Gunn Road
 - iii) New signal at White Road
- V. The Draft Project Concept Report was discussed as a group, and minor changes were noted.
- VI. Comments were received from the individual offices, as follows:
- a) **GDOT Planning** – No representative was present from this office.
 - b) **GDOT Office of Financial Management** – No representative was present from this office.
GDOT Environmental – Debra Pruitt spoke: GEPA document will be completed. State fund project will allow for less stringent requirements.

Ecology: Two creeks headwater may be a potential impact, the study is in the early stages.

History: Old Peach Packing Shed built along the route was in built 1931. Houston County officials said the owner was in the process of removing the Old Peach Packing Shed. Old Store with Underground storage tanks just south of Gunn Road.

Underground Storage Tanks:

- i. Old gas station between Watson Blvd. and Gunn Road.
 - ii. Two new service stations at the intersection of Gunn Road and SR11 /US 41
- c) **GDOT Utilities** – Glenn Williams discussed moving project alignment to the east to miss the major transmission line on the west. Discussion developed about the commercial facilities along the east side of the project. District 3 Design and Houston County Engineers have been working to move the Right of Way in to miss commercial buildings and a gas station on the east side. Also project alignment is already moving toward the west side to miss residential residents on the east side near Eagle Springs Elementary School.
District 3 Utilities anticipates replacement easements for Georgia Power Transmissions. GDOT needs to confirm LGPA if GDOT or Houston County is going to pay for Utilities on the project.
- City of Warner Robins has a water line near Osigian Blvd. that may have to be moved if the intersection stays at 90 degrees.
- d) **GDOT Local Government** – Audrey Gooch said federal guide lines are to be followed in the right of way acquisition procedures.
 - e) **GDOT Traffic Operations** – Scott Parker said there would be upgrades the signal at Watson Blvd. Two new signals will designed at the two intersections at Gunn Road and White Road. The project will include phone drops and CCTV's to the three signalizations. He said the project existing speed limit was 45 mph. Scott suggested that sidewalks be placed in the radius with curb ramps that meets ADA guide lines at all the signalized intersections.
 - f) **GDOT Construction and Maintenance** –Ken Robinson had no comments.
 - g) **GDOT Location**- Tommy Cleveland had no comments.
 - h) **Houston County** – Robbie Dunbar from Houston County asks if bike lanes could be dropped due to Right of Way issues. Bill Rountree stated that the project was on a designated bike route and according to GDOT policy bike lanes will be added.

VII. The meeting adjourned at approximately 11:30 a.m.

NOTICE OF LOCATION AND DESIGN APPROVAL

CSMLP-0008-00(370) Houston County

P. I. No. 0008370

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

The date of location approval is June 21, 2007.

The proposed improvements entail the widening of the SR 11 / US 41 from South of CS 727/Osigian Blvd to CR 75/White Road. This section of SR 11 / US 41 runs north-south through the Western Portion of Houston County and runs parallel to the Interstate 75 corridor. The scope of this project is primarily in unincorporated Houston County, but briefly crosses into the city limits of Warner Robins near Watson Blvd (SR 247C) and Centerville near Gunn Road.

This project will change the present two lanes of the SR 11 / US 41 to five lanes with curb and gutter with a 5' sidewalk. The widening project on SR 11 / US 41 for 1.8 miles begins at mile post 23.30 and continues to mile post 25.10. The project begins in the city of Warner Robins and leaves the city of Warner Robins at mile post 23.57 and continues in Houston County until mile post 24.37. The project exits the City of Centerville at mile post 24.83 and continues in Houston County until the projects end. .

Drawings, maps or plats of the proposed project, as approved, are on file and are available for inspection at the Georgia Department of Transportation:

Brink Stokes, Area Engineer
Department Of Transportation
Brink.Stokes@dot.state.ga.us
200 Julianne Street
Perry, Georgia 31069
(478) 988-7151

Any interested party may obtain a copy of the drawings, maps or plats, or portions thereof, by paying a nominal fee and requesting in writing to:

William J. Rountree, P.E., District Design Engineer
Department Of Transportation
bill.rountree@dot.state.ga.us
715 Andrews Drive
Thomaston, Georgia 30286-4524
(706) 646-6604

Any written request or communication in reference to this project or notice SHOULD include the Project and P.I. Numbers as noted at the top of this notice.

SCORING RESULTS AS PER TOPPS 2440-2

Project Number:	County:	PI No.:	
Report Date:	Concept By:		
	DOT Office:		
<input type="checkbox"/> CONCEPT			
	Consultant:		
Project Type: Choose One From Each Column	<input type="checkbox"/> Major <input type="checkbox"/> Minor	<input type="checkbox"/> Urban <input type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous
FOCUS AREAS	SCORE	RESULTS	
Presentation			
Judgment			
Environmental			
Right of Way			
Utility			
Constructability			
Schedule			