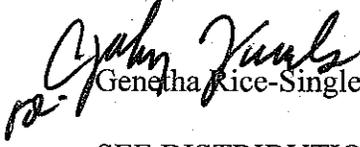


**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0002861, Camden County **OFFICE** Preconstruction  
NHS00-0002-00(861)  
SR 40 Widening from West of Grove Blvd  
To East of Truss Plant Road **DATE** September 8, 2008

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

**TO** SEE DISTRIBUTION

**SUBJECT** APPROVED REVISED PROJECT CONCEPT REPORT

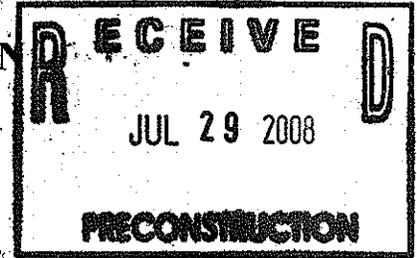
Attached for your files is the approval for subject project.

Attachment

**DISTRIBUTION:**

Brian Summers  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Paul Liles  
Glenn Durrence  
Brad Saxon  
Dennis Odom  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

**PROJECT** NHS-0002-00(861) Camden County      **OFFICE** Jesup, Design  
Widen S.R. 40 From West of Grove Blvd. to East of Truss Plant Rd.  
P.I. #: 0002861      **DATE** 7/18/08

**FROM** Glenn W. Durrence, P.E., District Engineer, Jesup *RJT*

**TO** Genetha Rice-Singleton, Asst. Director of Preconstruction

**SUBJECT** Revised Project Concept Report

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

The revision consists of the addition of a traffic signal at the intersection of S.R. 40 and North and South Grove Boulevard.

The revised 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).

*Angela J. Alexander*  
State Transportation Planning Administrator  
Date 7-25-08

If there are any further questions or if any additional information is needed, please contact the Project Manager, Cassius Edwards at (912) 427-5717 or e-mail at [cedwards@dot.ga.gov](mailto:cedwards@dot.ga.gov).

GWD:ADO: coe

cc:

Bradford W. Saxon, P.E., District Preconstruction Engineer  
Dennis Odom, District Design Engineer  
Brian Summers, Project Review Engineer  
Glenn Bowman, State Environmental/Location Engineer  
Keith Golden, State Traffic Safety and Design Engineer  
Angela Alexander, State Transportation Planning Administrator  
Jamie Simpson, State Financial Management Administrator  
General File Unit, Atlanta  
Jesup Files

## REVISED PROJECT CONCEPT REPORT

**Need and Purpose:** State Route 40 is a major east-west corridor in southeast Georgia connecting Folkston on the west with Kingsland, I-95 and St. Mary's on the east. For its entire length between Folkston and St. Mary's, SR 40 is identified for eventual widening due to its inclusion on the Governor's Road Improvement Program (GRIP) as a truck access route. The GRIP was initiated in the 1980's to address the importance of stimulating economic growth via an improved transportation network. SR 40 was added to the GRIP by the State Legislature and approved by the Governor.

One portion of the improvement of SR 40 is project P.I. 0002861 which proposes to widen SR 40 between milepost 13.77 (west of Grove Blvd.) and milepost 15.00 (east of Truss Plant Rd.) in Camden County.

Camden County's population grew by 44.7% between 1990 and 2000 to a total population of 43,664. The project is located in Camden County Census tract 103.02, which had minority populations of 38.2% and 32.9% in the year 2000, respectively. By comparison, in the year 2000, Camden County had a minority population of 25%; while the statewide average was 34.9% (the U.S. Census defines a minority population as Black/African-American, Hispanic/Latino, Asian/Pacific Islander, or American Indian/Alaska Native). The U.S. Census Bureau estimated that 20.9% of Charlton County residents and 10.1% of Camden County residents lived below the poverty level in 1997, compared to a statewide average of 14.7%.

Year 2006 average daily traffic within the project limits 11,000 vehicles per day (VPD). The collisions data for years 2002, 2003, 2004 and 2005 indicate a high rate of angle and rear end crashes. Improving SR 40 to a multi-lane facility with separate turning lane will remove turning conflicts by providing refuge from the through traffic and should increase safety.

**Project Location:** The proposed project proposes to rehabilitate the existing roadway from Mile Post 13.77 to Mile Post 13.85. The remaining portion is to widen the existing section between Mile Point 13.85 and Mile Point 15.00 in Camden County.

**Description of the approved concept:** The existing section on SR 40/E Kings Ave is a four lane undivided section. The proposed project proposes to rehabilitate the existing roadway from Mile Post 13.77 to Mile Post 13.85. The remaining portion is to widen the existing section between Mile Point 13.85 and Mile Point 15.00 in Camden County to the four lane divided urban section with a 14 foot two-way left turn lane. Five foot sidewalks are also proposed on both sides of the road. The side streets at the intersection of North and South Grove Blvd will be realigned to improve the geometrics. The project will be designed to incorporate a future 20 foot raised median. The total project length is 1.23 miles.

**PDP Classification:**

Full Oversight( ), Exempt (X), SF ( ), Other ( )

**Functional Classification:** Principle Arterial / Urban

U.S. Route Number(s): None State Route Number(s): 40 County Route Number(s) N/A

**Traffic (AADT) as shown in the approved concept:**

Current Year: (2006) 11,000 Base Year: (2012) 14,200 Design Year: (2032) 23,000

**Proposed features to be revised:**

- Intersection, The current intersection of S.R. 40 and North and South Grove Boulevard will be revised to include a traffic signal. The original traffic AADT did not warrant the need for a traffic signal. However, current development in the area required a new traffic study to be performed. As a result, the new traffic study recommends a traffic signal be installed at the above location.

**Describe the revised feature(s) to be approved:**

Intersection: The current intersection of S.R. 40 and North and South Grove Boulevard will be revised to include a traffic signal. The collisions data indicate a high rate of angle and rear end crashes. Adding a traffic signal would improve the safety of the intersection of SR 40 and North and South Boulevard.

**Updated traffic data (AADT):**

Current Year: (2008) 12400 Base Year: (2015) 16250 Design Year: (2035) 24150

**Programmed/Schedule:**

PE 8/15/2005 R/W: 2009 Construction: Long Range

**Revised cost estimates:**

1. Construction cost including inflation and E&C,
2. Right-of-way, and
3. Utilities

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

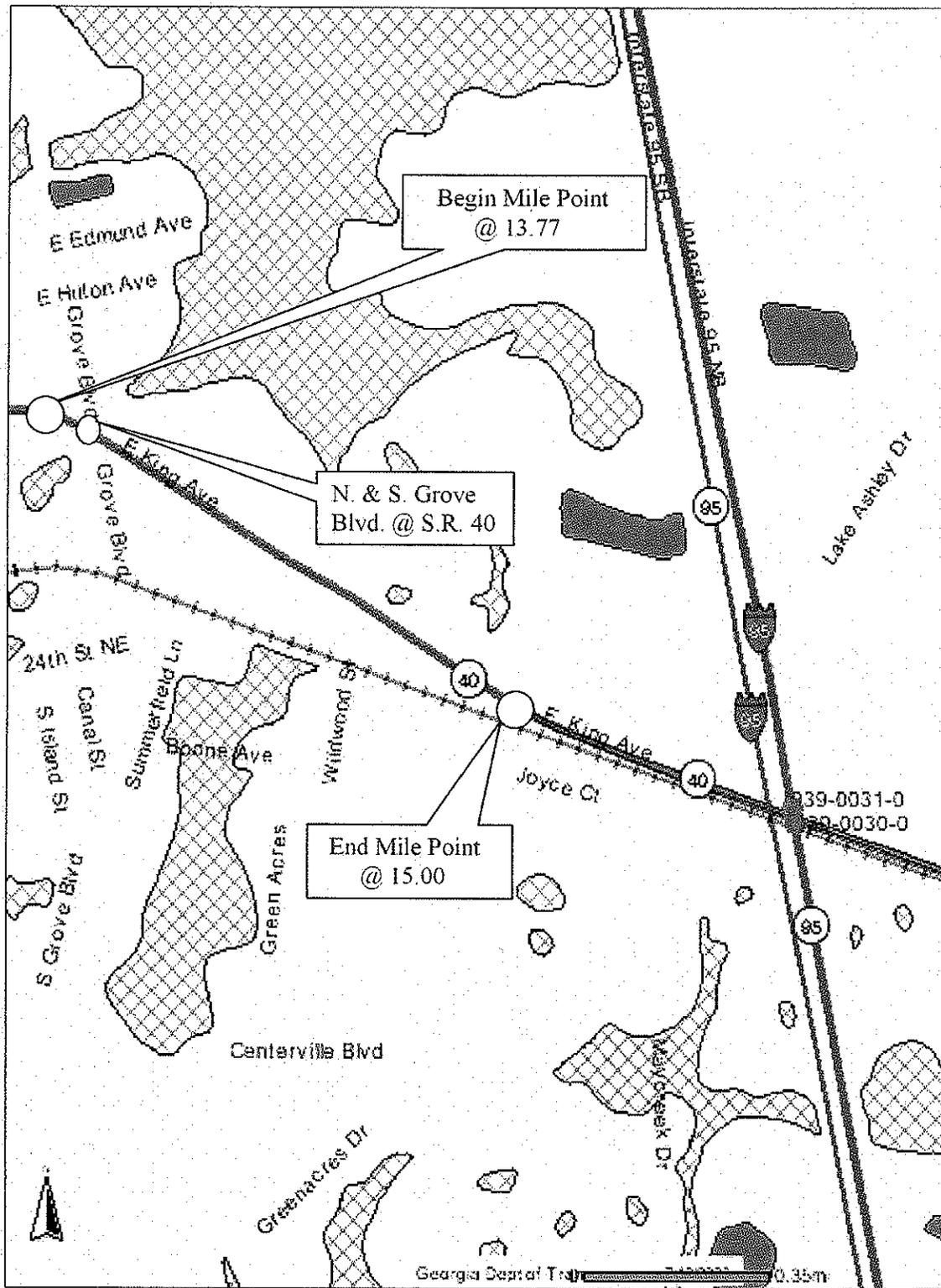
**Recommendation:** Recommend that the proposed revision to the concept be approved for implementation.

**Attachments:**

1. Sketch Map
2. Cost Estimate

Concur: *Benita R. [Signature]* <sup>to Disch</sup>  
Director of Preconstruction

Approve: *Dalton [Signature]*  
Chief Engineer





## PRELIMINARY COST ESTIMATE

DATE: 7/18/08

PROJECT NUMBER: NHS00-0002-00(861), Camden County

P.I. NUMBER: 0002861

PROJECT DESCRIPTION: SR 40 add center turn lane

PROPOSED CONCEPT: widening to include a two-way 14' left turn lane

TRAFFIC: S.R. 40 2008 Current: 12400 AADT 2015 Base: 16250 AADT 2035 Design: 24150 AADT

Program Process ( ) Concept Development (X) Project Development ( )

### PROJECT COSTS

**A. RIGHT OF WAY:**

1. PROPERTY ( LAND & EASEMENTS)	\$2,000,110
2. DISPLACEMENTS \$ RELOCATIONS -	\$65,000
3. OTHER COSTS (ADM./COURT/INFLATION) -	\$3,056,390
SUBTOTAL =====	\$5,121,500

**B. NON-REIMBURSABLE UTILITIES:**

1. TELEPHONE -	\$65,000
2. POWER - DISTRIBUTION -	\$160,000
3. WATER & SEWER -	\$400,000
4. CABLE -	\$30,000
5. GAS -	\$20,000
SUBTOTAL =====	\$675,000

**C. MAJOR STRUCTURES:**

1. WALLS -	\$0
2. BRIDGE- stream crossing - @ \$53/SF	
3. BRIDGE - over/underpass	\$0
4. BOX CULVERTS -	\$0
SUBTOTAL =====	\$0

**D. GRADING AND DRAINAGE:**

**1. EARTHWORK**

Grading Complete	\$150,000
unclas excavation -	\$35,000

**2. DRAINAGE**

a. CROSS DRAIN PIPES (exc. Box culverts) - 816' of 18" @ \$40.19 / LF	\$32,796
960' of 24" @ \$46.13 / LF	\$44,285
816' of 30" @ \$64.57 / LF	\$52,690

Safety End Sections - 2 @ \$909.06 EA.	\$1,819
2 @ \$1007.03 EA.	\$2,015
2 @ \$1918.88 EA.	\$3,838
Backfill, Type II - 11500 CY @ \$50.40/CY	\$579,600
<b>b. CURB &amp; GUTTER - 18480 LF X \$16.62 /LF</b>	<b>\$307,138</b>
<b>c. LONGITUDINAL SYSTEM ( incl. Catch Basins)</b>	
2165 LF of 18" SDP @ \$26.64 /LF	\$57,676
2165 LF of 24" SDP @ \$34.41 /LF	\$74,498
2165 LF of 30" SDP @ \$49.91 /LF	\$108,056
6 EA Drop Inlets @ \$2402.61 / EA	\$14,416
48 EA Catch Basins @ \$2552.53 / EA	\$122,522
SUBTOTAL =====	\$1,586,349
<b>E. BASE AND PAVING:</b>	
1. AGGREGATE BASE -16610 SY / 8" GAB @ \$16.10	\$267,421
2. ASPHALT PAVING - SUPERPAVE	
Leveling - 3465 TN of 12.5 MM @ \$65.59	\$227,270
12.5MM - 5015 TN @ \$80.50	\$403,710
19MM - 2010 TN @ \$64.17	\$128,985
25MM - 3010 TN @ \$59.60	\$179,396
Tack - 3165 GAL @ \$1.90	\$6,015
3. CONCRETE PAVING -	\$0
4. OTHER (driveways, mill existing paving, etc.)	
Milling 1 1/2" Depth - 38700 SY @ \$3.89 /SY	\$150,543
SUBTOTAL =====	\$1,363,340
<b>F. LUMP SUM ITEMS:</b>	
1. EROSION CONTROL -	\$20,000
2. CLEARING & GRUBBING -	\$0
3. TRAFFIC CONTROL -	\$75,000
4. LANDSCAPING -	\$0
5. DETOURS (incl Temp. bridges) -	\$0
SUBTOTAL =====	\$95,000
<b>G. MISCELLANEOUS:</b>	
1. LIGHTING -	\$0
2. SIGNING & STRIPING - \$ 10,000/mi X 1.5 mi -	\$15,000
3. GUARDRAIL -	\$0

4. TRAFFIC SIGNAL UPGRADE -	\$180,000
5. CONCRETE SIDEWALK - 6045 SY @ \$26.00/SY	\$157,170
SUBTOTAL =====	<u>\$352,170</u>

ESTIMATE SUMMARY

A. RIGHTS-OF-WAY -----	\$5,121,500
B. NON-REIMBURSABLE UTILITIES -----	\$675,000

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES -----	\$0
D. GRADING AND DRAINAGE -----	\$1,586,349
E. BASE AND PAVING -----	\$1,363,340
F. LUMP SUM ITEMS -----	\$95,000
G. MISCELLANEOUS -----	\$352,170
SUBTOTAL CONSTRUCTION COST -----	<u>\$3,396,859</u>
ENG. & INSP. (5%) -----	\$169,843
CONTINGENCY (5%) -----	\$169,843
TOTAL CONSTRUCTION COST =====	<u>\$3,736,545</u>
GRAND TOTAL PROJECT COST =====	\$9,533,045

Cost Estimate Prepared by: Cassius O. Edwards, DE II

pg 3 of 3

*OK*  
*DEP*  
*7/3/2008*

# Department of Transportation State of Georgia

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Interdepartmental Correspondence

**FILE** R/W Cost Estimate **OFFICE** Atlanta  
**DATE** July 2, 2008  
**FROM** Phil Copeland, Right of Way Administrator  
**TO** Cassius Octavius Edwards District 5 Jesup Design

**SUBJECT** Preliminary Right of Way Cost Estimate  
Project: NHS-002-00(861)Camden  
P.I. No.: 0002861  
Description: SR 40 Widening

As per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimates on the above referenced projects.

Please note the area of Required R/W was furnished with your request.  
**Please include total Required R/W areas for the entire corridor in all future requests.**

If you have any questions, please contact Jerry Milligan at the West Annex Right of Way Office at (770) 986-1541.

PC:GAM

Attachments

c: Brian Summers, Engineering Services  
Wes Brock, R/W  
Windy Bickers, Financial Management  
File



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**  

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**INTERDEPARTMENTAL CORRESPONDENCE**

FILE: NHS00-0002-00(861) Camden  
PI # 0002861

OFFICE: Utilities

DATE: July 14, 2008

FROM: ~~Karon Avery~~, District Utilities Engineer

TO: Dennis Odom, District 5 Design Engineer

ATTENTION: Rebecca Thigpen, District 5 Design  
Squad Leader / Cassius Octavius Edwards, Design  
Engineer II

SUBJECT: Utility Cost Estimate- SR 40 FM W OF CS 481/GROVE BLVD TO E OF PR 718/TRUSS  
PLANT

Per a request received June 26, 2008, a field visit and review of the preliminary plans was made by this office and the following utilities were found to be located within the project limits:

Telephone	Camden Telephone/TDS
Water & Sewer	City of Kingsland
CATV	Kingsland Cable TV
Power	Georgia Power Company-Distribution
Power	Georgia Power Company-Transmission
Gas	Atlanta Gas Light

This project consists of widening existing portions of SR 40 from (MP 13.64) 1,350 feet west of the intersection of Grove Road to (MP 14.88) at the divided grass median 600 feet east of Truss Plant Road.

All existing facilities appear to be on existing R/W with the exception of Georgia Power-Transmission which has facilities on their own easements.

This estimate is based upon a field visit and updated DGN files.

Continued.....

FILE: NHS00-0002-00(861) Camden, PI # 0002861 continued

## TELEPHONE

The existing telecommunication facilities that appear to be in conflict belong to **Camden Telephone/TDS**;

**Camden Telephone/TDS** facilities at the following locations;

From the beginning of the project west of CS 481 **Camden Telephone/TDS** has 6,550 LF of buried phone cable, including 1 cabinet, 11 pedestals and underground facilities, if these need to be relocated. The estimated cost to **Camden Telephone/TDS** is \$65,000.00.

These are the known facilities belonging to **Camden Telephone/TDS**, the estimated non-reimbursable cost amounts to \$65,000.00.

## Water & Sewer

The water and sewer facilities that may be in conflict belong to the City of Kingsland and anticipate that they will seek Utility Aid and may wish to have any items that need to be relocated included in the contract.

### Water

The water facilities that appear to be in conflict belong to **City of Kingsland**.

**City of Kingsland** facilities at the following locations;

From west of CS 481, **City of Kingsland** has 6,500 LF of underground water facilities consisting of 6" and 8" water mains, fire hydrants and valves that may need to be relocated and/or adjusted. The estimated cost to **City of Kingsland** is \$375,000.00.

These are the known water facilities belonging to **City of Kingsland** in this project; the estimated non-reimbursable cost is \$375,000.00.

### Sewer

The sewer facilities that appear to be in conflict belong to **City of Kingsland**.

**City of Kingsland** facilities at the following locations;

From west of CS 481, **City of Kingsland** has 700 LF of underground sewer facilities consisting of 8" sewer mains, and 5 sanitary sewer manholes that may need to be relocated and/or adjusted. The estimated cost to **City of Kingsland** is \$25,000.00.

These are the known water facilities belonging to **City of Kingsland** in this project; the estimated non-reimbursable cost is \$25,000.00.

Continued.....

### CATV

The existing cable TV facilities that appear to be in conflict belong to **Kingsland Cable TV**.

**Kingsland Cable TV** facilities at the following locations;

From west of CS 481, **Kingsland Cable TV** has 3,000 LF of aerial facilities consisting of coaxial and fiber optic cable attached to GPC poles that may need to be adjusted. The estimated cost to **Kingsland Cable TV** is \$30,000.00.

These are the known facilities belonging to **Kingsland Cable TV** in this project; the estimated non-reimbursable cost is \$30,000.00.

### POWER

The existing power facilities that appear to be in conflict on this project belong to **Georgia Power Company-Distribution**;

**Georgia Power Company-Distribution** facilities at the following locations;

From west of CS 481, **Georgia Power Company-Distribution** has 3,000 LF of 3 phase aerial distribution with 16 poles, appear to be on our existing right of way and are not reimbursable to them, but is estimated to cost them \$160,000.00 to relocate.

The estimated cost to **Georgia Power Company-Distribution** is \$160,000.00.

These are the known facilities belonging to **Georgia Power Company-Distribution** in this project; the estimated non-reimbursable cost is \$160,000.00.

**Georgia Power Company-Transmission** has facilities consisting of a substation, 230KV and 115KV lines at this time do not appear to be in conflict, nor are they anticipated to be impacted.

### Gas

The existing gas facilities that appear to be in conflict belong to **Atlanta Gas Light**.

**Atlanta Gas Light** facilities at the following locations;

From west of CS 481, **Atlanta Gas Light** has 500 LF of underground gas facilities consisting of 2" gas main that may need to be relocated and/or adjusted. The estimated cost to **Atlanta Gas Light** is \$20,000.00.

These are the known facilities belonging to **Atlanta Gas Light** in this project; the estimated non-reimbursable cost is \$20,000.00.

Continued.....

**FILE:** NHS00-0002-00(861) Camden, PI # 0002861 continued

The total estimated non-reimbursable cost for this project is \$675,000.00.

The total estimated reimbursable cost for this project is \$0.00.

The total estimated non-reimbursable and reimbursable cost for this project is \$675,000.00.

If there are any questions please contact George Shenk at [gshenk@dot.ga.gov](mailto:gshenk@dot.ga.gov) or (912) 427-5859.

Copy:

Jamie Simpson, Office of Financial Management (via e-mail)

Harvey Keeper, Office of Environment/Location (via e-mail)

District Office files

Utility Office Files

**PRECONSTRUCTION STATUS REPORT FOR PI:0006899,323005-0007592,0002861,752075-0006723**

PROJ ID: 0002861  
 COUNTY: Camden  
 LENGTH (MI): 1.23  
 PROJ NO.: NHS00-0002-00(861)  
 PROJ MGR: Odorn, Dennis  
 OFFICE: District 5  
 CONSULTANT: No Consultant, GDOT In-House Design  
 SPONSOR: GDOT  
 DESIGN FIRM:

SR 40 FM W OF CS 481/GROVE BLVD TO E OF PR 718/TRUSS PLANT  
 MPO: Not Urban  
 TIP #: 5  
 MODEL YR.: Interchange  
 TYPE WORK: Interchange  
 CONCEPT: Reconstruction/Rehabilitation  
 PROJ TYPE: Reconstruction/Rehabilitation  
 BOND PROJ.:

MGMT LET DATE: Dec-10  
 MGMT ROW DATE: Jul-09  
 SCHED LET DATE: 11/22/2012  
 WHO LETS?: GDOT Let  
 LET WITH:

SCHED		ACTIVITY		ACTUAL		PROGRAMMED FUNDS		STIP AMOUNTS	
START	FINISH	START	FINISH	START	FINISH	Phase	Approved	Proposed	Cost
8/26/2008	10/9/2008	Concept Development	1/18/2008	5/25/2006	1/18/2008	PE	2006	2006	150,000.00
9/8/2008	9/8/2008	Concept Meeting	7/18/2007	7/18/2007	7/18/2007	ROW	2009	2009	6,233,000.00
8/25/2008	5/28/2010	PM Submit Concept Report	10/17/2007	10/17/2007	10/17/2007	CST	LR	LR	7,130,000.00
1/11/2010	3/5/2010	Receive Preconstruction Concept Approval	10/26/2007	1/10/2008	1/18/2008				
		Management Concept Approval Complete							
		Value Engineering Study							
		Public Information Open House Held							
		Environmental Approval							
		Pub Hear Held/Comm Resp (EA/FONSI, GEPA)							
		Mapping							
		Field Surveys/SDE							
10/14/2008	7/20/2009	Preliminary Plans	7/20/2006			PE			
8/25/2008	1/2/2009	Underground Storage Tanks				ROW			1,509,000.00
10/6/2008	12/19/2008	404 Permit Obtainment				CST			0.00
6/21/2010	6/22/2010	PFPR Inspection							
6/23/2010	10/12/2010	R/W Plans Preparation							
10/13/2010	11/15/2010	R/W Plans Final Approval							
11/16/2010	9/26/2012	L & D Approval							
4/8/2011	4/21/2011	R/W Acquisition		1/10/2008	1/18/2008				
1/20/2009	1/21/2010	Soil Survey							
7/28/2010	8/24/2011	Final Design							
12/15/2011	12/16/2011	PFPR Inspection							
12/30/2011	1/12/2012	Submit PFPR Responses (OES)							

**DD:** JUN01 LR: ASSIGNED DISTRICT 5  
**Design:** NO BRIDGE REQUIRED  
**EIS:** 3N-Submitted revised concept report.  
 SMART /CE/OnSchedROW(2-23-08)  
**LGPA:** NOTIFICATION LETTER SENT TO KINGLAND 5-26-06.  
 District  
**Location:** PE STIP AMENDMENT #30 8-05  
**Prog. Develop:** ADDED BY PNR  
**Programming:** CYP: D5 TO CMLT S&M - Send plans when 50%\* complete  
**Traffic Op:** NEED 1ST SUBMISSION PLANS FOR UTILITY OWNERS  
**Utility:** 2140 (H85(94)-E/V88)  
**EMG:**

**Acquired by:** DOT  
**Acquisition MGR:**  
**R/W Cert Date:**

**Cond. Filed:**  
**Relocations:**  
**Acquired:**

**Total Parcel in ROW System:**  
**Options - Pending:**  
**Condemnations- Pend:**

**19**

**District Comments:**  
 TAS/3-31-05/turning lane project/4-6-05/not an interchange project/3-2-06/project was flowntJan-06;  
 OEL to begin mapping/  
 4-11-06/limits of project sent to OEL/  
 7-6-06/Env needs concept/  
 9-12-06/N & P has been requested from Planning/3-7-07/  
 Initial Concept Mtg 3-21-07;  
 ADO/01-18-08/Concept Report approved  
 RT/Pre-Survey Mtg held 2/26/08;  
 RTY/5-7-08/Need to revise concept and incorporate traffic studies;  
 ADO/7-21-08/Revised concept report submitted;