

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: STP00-0004-00(206) Peach County

P.I. No.: 0004206

SR 49 @ Old Macon Rd. /Chapman Rd. & SR 49
@ Industrial Dr.

OFFICE: Traffic Operations

DATE: February 18, 2010

FROM: *KZXP*
Kathy Zahul P.E., Assistant State Traffic Engineer

TO: Genetha Rice-Singleton, Program Control Administrator

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: This project is located at the intersections of SR 49 and Old Macon/Chapman Road and SR 49 and Industrial Dr. in the City of Byron Ga.

The intersection of SR 49 at Chapman Road/Old Macon road will be closed and a new roadway will be constructed approximately 1200 ft. to the west, aligned between SR 49 at C.S. 585/Industrial Drive and C.S. 500/Old Macon Road at C.S. 505/Woodland Road. The length of the project is .123 miles. There will be a stop and go traffic signal installed at the intersection of SR 49 and Industrial Drive.

Concept Approval Date: 1/16/02.

Concept Update: No changes have been made to the Project Concept Report since it was approved.

Estimated Costs:	Construction	\$ 1,754,166.24
	Rights-of-Way	\$ 296,000.00
	Utilities	\$ 35,000.00
	Total	\$ 2,085,166.24

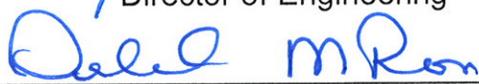
Environmental Assessment Approval Date: A Categorical Exclusion was approved on November 2, 2009. No reassessment of the environmental document has been completed since the original approval date.

Public Involvement: A Public Information Open House (PIOH) was held on April 24, 2008 at the Byron Middle School. A total of 61 people attended the meeting; a total of 30 responses were received, with 15 comments and one petition in support of the project, four comments opposed to the project and nine comments and one petition expressed conditional support for the project.

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

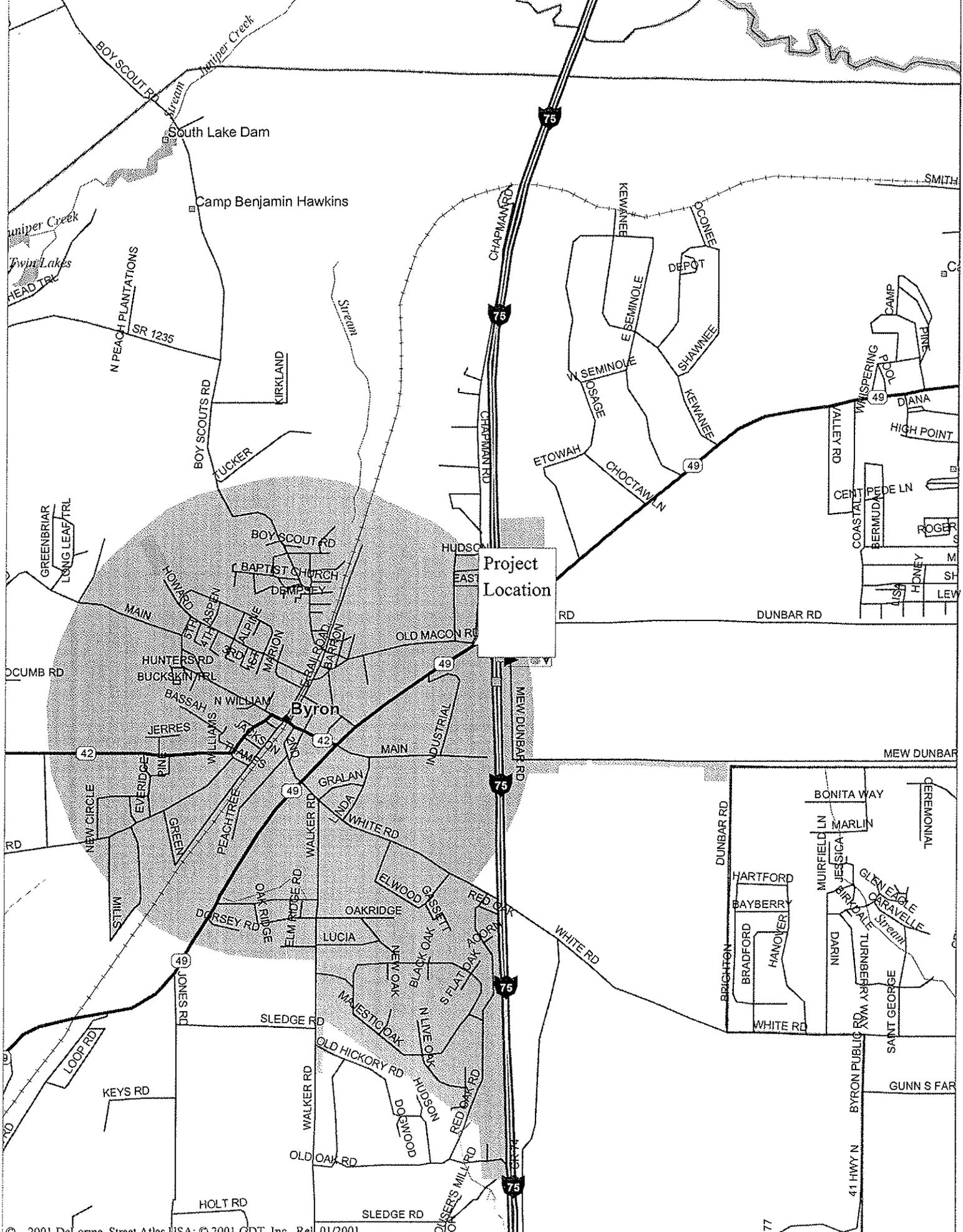
Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Recommend: 
Director of Engineering

Approval: 
Chief Engineer

03/01/2010 *DKP*
~~2/29/2010~~
Date of Approval

KZ:DC:pb
Attachments: Sketch Map
Cost Estimate
Notice of Location and Design Approval



Project
Location

Estimate Report for file "SR 49 @ INDUSTRIAL BLVD_2009-10-20"

Section Roadway Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	150000.0	TRAFFIC CONTROL - STP-0004-00(206)	150000.0
153-1300	1	EA	61424.9	FIELD ENGINEERS OFFICE TP 3	61424.9
201-1500	1	LS	100000.0	CLEARING & GRUBBING - STP-0004-00(206)	100000.0
207-0203	42	CY	31.48	FOUND BK FILL MATL, TP II	1322.16
210-0100	1	LS	100000.0	GRADING COMPLETE - STP-0004-00(206)	100000.0
310-5120	8020	SY	24.23	GR AGGR BASE CRS, 12 INCH, INCL MATL	194324.6
318-3000	100	TN	17.75	AGGR SURF CRS	1775.0
402-3121	2647	TN	75.0	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	198525.0
402-3130	1116	TN	75.0	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	83700.0
402-3190	884	TN	75.0	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	66300.0
413-1000	754	GL	2.0	BITUM TACK COAT	1508.0
432-5010	5505	SY	1.19	MILL ASPH CONC PVMT, VARIABLE DEPTH	6550.95
441-0104	2268	SY	25.36	CONC SIDEWALK, 4 IN	57516.47
441-0740	26	SY	23.89	CONCRETE MEDIAN, 4 IN	621.14
441-5002	95	LF	11.94	CONCRETE HEADER CURB, 6 IN, TP 2	1134.3
441-6022	4473	LF	11.41	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	51036.93
446-1100	473	LF	3.75	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	1773.75
500-3201	150	CY	415.51	CLASS B CONCRETE, RETAINING WALL	62326.5
634-1200	34	EA	83.88	RIGHT OF WAY MARKERS	2851.92
Section Sub Total:					\$1,142,691.63

Section Drainage Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1180	3144	LF	28.35	STORM DRAIN PIPE, 18 IN, H 1-10	89132.40
550-4218	3	EA	434.05	FLARED END SECTION 18 IN, STORM DRAIN	1302.15
668-1100	23	EA	2111.6	CATCH BASIN, GP 1	48566.79
668-2100	2	EA	1748.17	DROP INLET, GP 1	3496.34
Section Sub Total:					\$142,497.69

Section Traffic Signal					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
615-1200	270	LF	8.4	DIRECTIONAL BORE - 2 IN	2268.0
636-1041	60	SF	30.95	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	1857.0
639-4004	4	EA	5442.95	STRAIN POLE, TP IV	21771.8
647-1000	1	LS	150000.0	TRAFFIC SIGNAL INSTALLATION NO - 1	150000.0
Section Sub Total:					\$175,896.80

Section Erosion Control Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	261.57	TEMPORARY GRASSING	523.14
163-0240	49	TN	142.78	MULCH	6996.22
163-0300	2	EA	996.97	CONSTRUCTION EXIT	1993.94
163-0503	1	EA	396.92	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	396.92
163-0527	9	EA	177.28	CONSTRUCT AND REMOVE RIP RAP CHECK DAMS, STONE PLAIN RIP RAP/SAND BAGS	1595.52
163-0550	26	EA	153.21	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	3983.46
165-0010	773	LF	0.53	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	409.69
165-0087	1	EA	116.66	MAINTENANCE OF SILT CONTROL GATE, TP 3	116.66
165-0101	2	EA	494.91	MAINTENANCE OF CONSTRUCTION EXIT	989.82
165-0105	26	EA	55.99	MAINTENANCE OF INLET SEDIMENT TRAP	1455.74
167-1000	2	EA	415.46	WATER QUALITY MONITORING AND SAMPLING	830.92
167-1500	12	MO	521.51	WATER QUALITY INSPECTIONS	6258.12
171-0010	1544	LF	1.41	TEMPORARY SILT FENCE, TYPE A	2177.04
700-6910	4	AC	672.29	PERMANENT GRASSING	2689.16
700-7000	5	TN	55.58	AGRICULTURAL LIME	277.9
700-7010	12	GL	19.03	LIQUID LIME	228.36
700-8000	2	TN	402.52	FERTILIZER MIXED GRADE	805.04
700-8100	172	LB	2.31	FERTILIZER NITROGEN CONTENT	397.32
Section Sub Total:					\$32,124.97

Section Signing and Pavement Marking Items

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1033	84	SF	18.31	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	1538.04
636-2080	173	LF	8.9	GALV STEEL POSTS, TP 8	1539.7
653-0120	13	EA	67.92	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	882.96
653-1501	1598	LF	0.33	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	527.34
653-1502	5767	LF	0.33	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	1903.11
653-1704	211	LF	3.53	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	744.82
653-1804	2092	LF	1.68	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	3514.56
653-3501	1401	GLF	0.24	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	336.24
653-6004	63	SY	2.58	THERMOPLASTIC TRAF STRIPING, WHITE	162.54
653-6006	172	SY	2.67	THERMOPLASTIC TRAF STRIPING, YELLOW	459.24
Section Sub Total:					\$11,608.56

Total Estimated Cost: \$1,504,819.65**Subtotal Construction Cost \$1,504,819.65**

E&C Rate 15.0 % \$225,722.95

Inflation Rate 0.0 % @ 0 Years \$0.00

Total Construction Cost \$1,730,542.60

Right Of Way 0.00

ReImb. Utilities 0.00

Grand Total Project Cost \$1,730,542.60

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. STP00-0004-00(206) Peach Co.
Intersection Improvement
P.I. No. 0004206

OFFICE Traffic Operations

DATE 12/31/2009

FROM Kathy Zahul, P.E., Assistant State Traffic Engineer

TO Ron Wishon, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Derrick Cameron

MNGT LET DATE 8/15/2011

MNGT R/W DATE 8/15/2010

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$1,784,720.00

DATE 11/21/2008

RIGHT OF WAY \$ 766,763.00

DATE 11/21/2008

UTILITIES

DATE Select Date

REVISED COST ESTIMATES

CONSTRUCTION* \$ 1,754,166.24

RIGHT OF WAY \$ 296,000.00

UTILITIES**

* Costs contain 5% Engineering and Fuel and Liquid AC Adjustments.

** Costs contain 0% contingency.

REASON FOR COST INCREASE

Preliminary Right of Way Cost Estimate



Phil Copeland
 Right of Way Administrator
 By: LaShone Alexander

Date: December 3, 2009
Project: STP-0004-00(206) Peach
Existing/Required R/W: Varies/Varies
Project Termini : SR 49 @ CR 145/CHAPMAN; OLD MACON
Project Description: SR 49 @ CR 145/CHAPMAN; OLD MACON

P.I. Number: 0004206
No. Parcels: 5

Land:

Agricultural/ Industrial/Commercial RW
 1.3 acres @ \$ 75,000.00/acre

\$ 97,500.00

\$ 97,500.00

Improvements : landscaping, misc. site improvements

\$ 30,000.00

Relocation: Residential (0) \$ 0
 Commercial (0) 0

\$

Damage : Proximity (0) \$ 0
 Cost to Cure (0) \$ 0

\$

Net Cost

\$ 127,500.00

Net Cost		\$ 127,500.00
Scheduling Contingency	55 %	70,125.00
Adm/Court Cost	60 %	197,625.00
		\$ 295,125.00

Total Cost \$296,000.00

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.

Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)

ENTER FPL DIESEL	2.707
ENTER FPM DIESEL	6.091

ENTER FPL UNLEADED	2.508
ENTER FPM UNLEADED	5.643

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS		
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15				
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15				
GAB paid as specified by the ton under Section 310 (TON)	2800.000	0.29	812.00	0.24	672.00			
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71				
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	4647.000	2.90	13476.30	0.71	3299.37			
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20				
BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class ___ Concrete (CY) Section 500				8.00		1.50		
Class ___ Concrete (CY) Section 500				8.00		1.50		
Class ___ Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class ___ (CY) Section 500				8.00		1.50		
Superstru Con Class ___ (CY) Section 500				8.00		1.50		
Superstru Con Class ___ (CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		
BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50		
PSC Beams _____ (LF) Section 507				8.00		1.50		
PSC Beams _____ (LF) Section 507				8.00		1.50		
PSC Beams _____ (LF) Section 507				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		
Stru Reinf <u>Plan Quantity</u> (LB) Section 511				8.00		1.50		

Bar Reinf Steel (LB) 511	Section				8.00		1.50		
Piling ____ inch (LF) 520	Section				8.00		1.50		
Piling ____ inch (LF) 520	Section				8.00		1.50		
Piling ____ inch (LF) 520	Section				8.00		1.50		
Piling ____ inch (LF) 520	Section				8.00		1.50		
Piling ____ inch (LF) 520	Section				8.00		1.50		
Piling ____ inch (LF) 520	Section				8.00		1.50		
Drilled Caisson, ____ (LF) Section 524					8.00		1.50		
Drilled Caisson, ____ (LF) Section 524					8.00		1.50		
Drilled Caisson, ____ (LF) Section 524					8.00		1.50		
Pile Encasement, ____ (LF) Section 547					8.00		1.50		
Pile Encasement, ____ (LF) Section 547					8.00		1.50		
SUM QF DIESEL=		14288.30		SUM QF UNLEADED=		3971.37			
DIESEL PRICE ADJUSTMENT(\$)				\$44,480.19					
UNLEADED PRICE ADJUSTMENT(\$)				\$11,454.23					

TMT =

TMT =

REMARKS:

REMARKS:

MONTHLY PRICE ADJUSTMENT(\$)

MISSING APL OR APM

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)

DIESEL PRICE ADJUSTMENT(\$) \$44,480.19

UNLEADED PRICE ADJUSTMENT(\$) \$11,454.23

ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125%
MAX) \$1,624.43

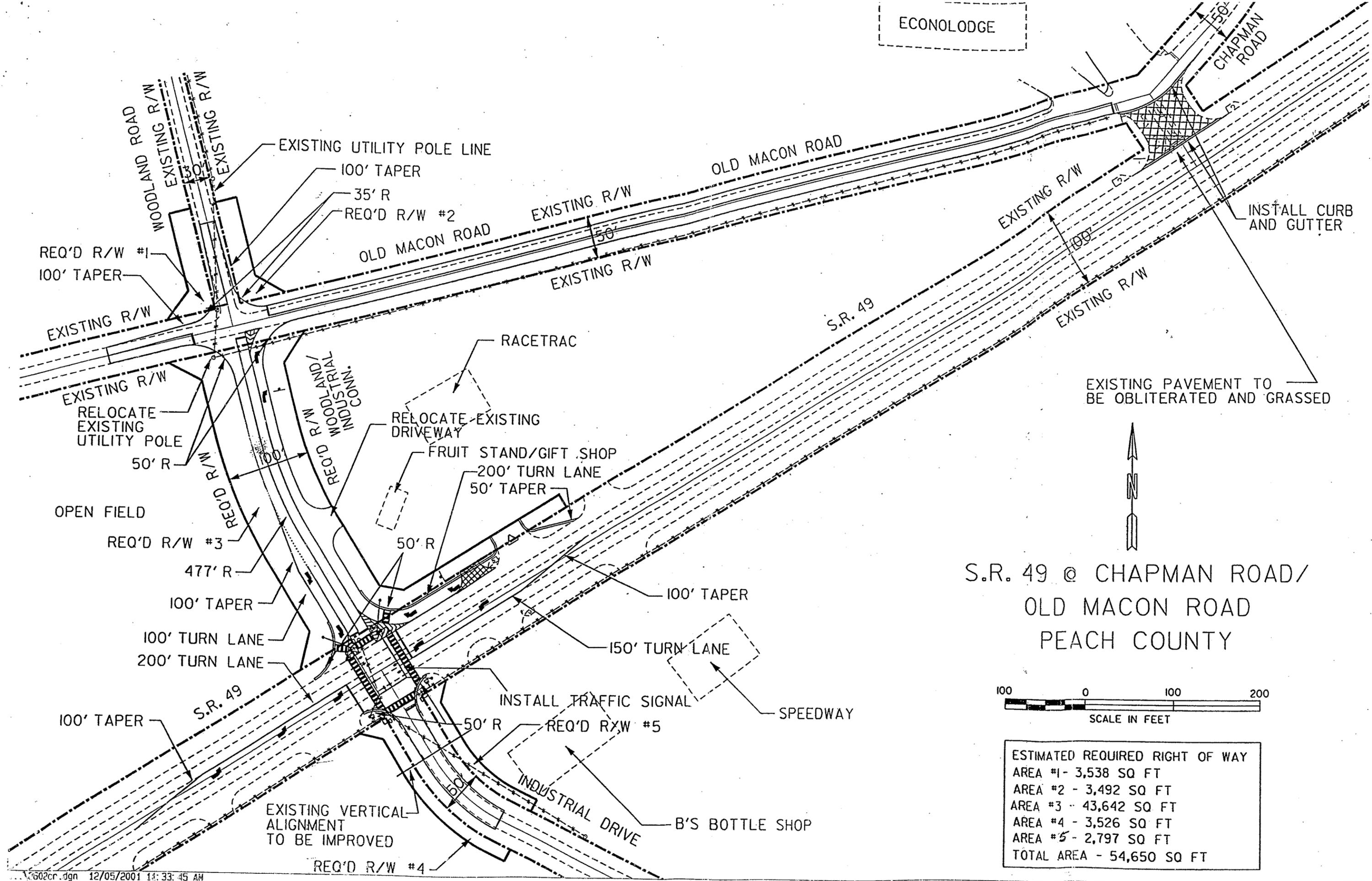
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX \$116,546.76

ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK
COAT(Surface Treatment 125% MAX) MISSING APL OR APM

REMARKS:

TOTAL ADJUSTMENTS

\$174,105.61



S.R. 49 @ CHAPMAN ROAD/
 OLD MACON ROAD
 PEACH COUNTY



ESTIMATED REQUIRED RIGHT OF WAY	
AREA #1 -	3,538 SQ FT
AREA #2 -	3,492 SQ FT
AREA #3 -	43,642 SQ FT
AREA #4 -	3,526 SQ FT
AREA #5 -	2,797 SQ FT
TOTAL AREA -	54,650 SQ FT

NOTICE OF LOCATION AND DESIGN APPROVAL

STP00-0004-00(206) Peach County

P.I. Number: 0004206

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 this project.

Date of Location and Design Approval: *March 3, 2010*

This project is located at the intersections of SR 49 and Old Macon/Chapman Road and SR 49 and Industrial Dr. in the City of Byron Ga. The project lies within Land District 5, Land Lots 22 and 31 and GMD 1817.

The intersection of SR 49 at Chapman Road/Old Macon road will be closed and a new roadway will be constructed approximately 1200 ft. to the west, aligned between SR 49 at C.S. 585/Industrial Drive and C.S. 500/Old Macon Road at C.S. 505/Woodland Road. There will be a stop and go traffic signal installed at the intersection of SR 49 and Industrial Drive.

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

**Brink Stokes, Area Engineer
Georgia Department of Transportation
200 Julianne Street
Perry, Georgia 31069
Phone (478) 988-7161**

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

**Kathy Zahul P.E., Assistant State Traffic Engineer
Traffic Operations
935 E. Confederate Avenue, Bldg. No. 24
Atlanta, Georgia 30316
Phone (404) 635-8115**

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.