

P.I. No. 0008690
Request for Location & Design Approval

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**



INTERDEPARTMENT CORRESPONDENCE

FILE: CSMSL-0008-00(690), Chatham County
PI No.0008690
Jimmy Deloach Connector from SR 307/Bourne
Avenue to Jimmy Deloach Parkway
Darryl D. VanMeter
FROM: Darryl D. VanMeter, P.E., State Innovative Program Delivery Engineer
OFFICE: Innovative Program Delivery
DATE: July 18, 2011
TO: Brent A. Story, P.E., State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager
SUBJECT: Request for Location & Design Approval

Description and Project Proposal: This project proposes the construction of the Jimmy Deloach Connector (JDC), a new roadway alignment that will begin at SR 307/ Bourne Avenue and terminate at the existing eastern end of Jimmy Deloach Parkway. The project is primarily located in Port Wentworth, Chatham County, Georgia. New interchanges will be constructed at SR 307/Bourne Ave, Grange Road and Pierce Ave. The proposed project will be approximately 3.1 miles in length. The typical section of this proposed limited access roadway will consist of four 12-ft wide travel lanes (two in either direction) separated by a median barrier with 4-ft wide inside shoulders, and 10-ft wide outside shoulders (6.5-ft paved). From north of Bonnybridge Road to Jimmy Deloach Parkway, northbound and southbound lanes will be separated by a depressed median varying in width up to 250-ft. The posted speed limit will be 55 miles per hour. Proposed JDC will have a functional classification of Rural Principal Arterial. This project is currently scheduled for the November 2011 letting.

Concept Approval Date: December 1, 2010

Concept Update: There have been no changes to the concept since the Concept Report Approval.

Environmental Document Type, Approval Date & any Reevaluations: Notice of Decision was approved June 22, 2011. No reevaluation has been done at this time.

Public Involvement:

- Location & Design Public Information Open House (PIOH) was held on April 23, 2009 at Robert Groves High School in Garden City, Georgia
 - A total of 70 people attended
 - A total of 15 people commented with 10 in support, zero opposed, two uncommitted and three expressed conditional support
 - Officials at this meeting included: Glenn Jones, Mayor of Port Wentworth; Eben Hardie, SPG; Jud Bowers, Port Wentworth City Council; Rep. Bob Bryant, Georgia Legislator; James Curry, Port Wentworth
- A second PIOH was held on September 9, 2010 at Port Wentworth City Hall.
 - A total of 100 people attended
 - A total of 32 commented with 13 in support, six opposed, five uncommitted and eight expressed conditional support

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- Officials at this meeting included: Glenn Jones, Mayor of Port Wentworth; Gary Norton, Port Wentworth City Council; James Dasher, Effingham County Board of Education; Leo Danon; Jud Bowers, Port Wentworth City Council; and Carl Smith
- A Public Hearing Open House was held on March 22, 2011 at the Port Wentworth Elementary School at which a synopsis of the environmental document was given.
 - A total of 106 people attended
 - A total of eight people commented with five in support, one uncommitted and two expressed conditional support. The Public Hearing transcript did not identify any public officials who may have attended.
- The major concerns raised at the above public meetings were:
 - Noise abatement
 - Relocation of businesses and homes
 - Minimize impacts to the natural environment, include wildlife and vegetation
 - Access to specific properties
 - Increase of vehicular and truck traffic throughout Port Wentworth
- No major changes to the project were made as a result of the public meetings. However, a noise study was conducted in May 2010 and a noise barrier analysis was performed for specific areas. A significant reduction in noise was not realized so noise walls were not recommended. Fencing was added along the corridor to deter wildlife crossing and stipulations for protecting migratory birds in the area was included within the Environmental Assessment. To address some of the access concerns, access to Pierce Ave has been maintained and an access road has been added for Flannel Street properties.

Consistency with Approved Planning:

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

Recommendations: This Office recommends that the Location and Design for the project be approved and that the attached Notice be approved for advertising.

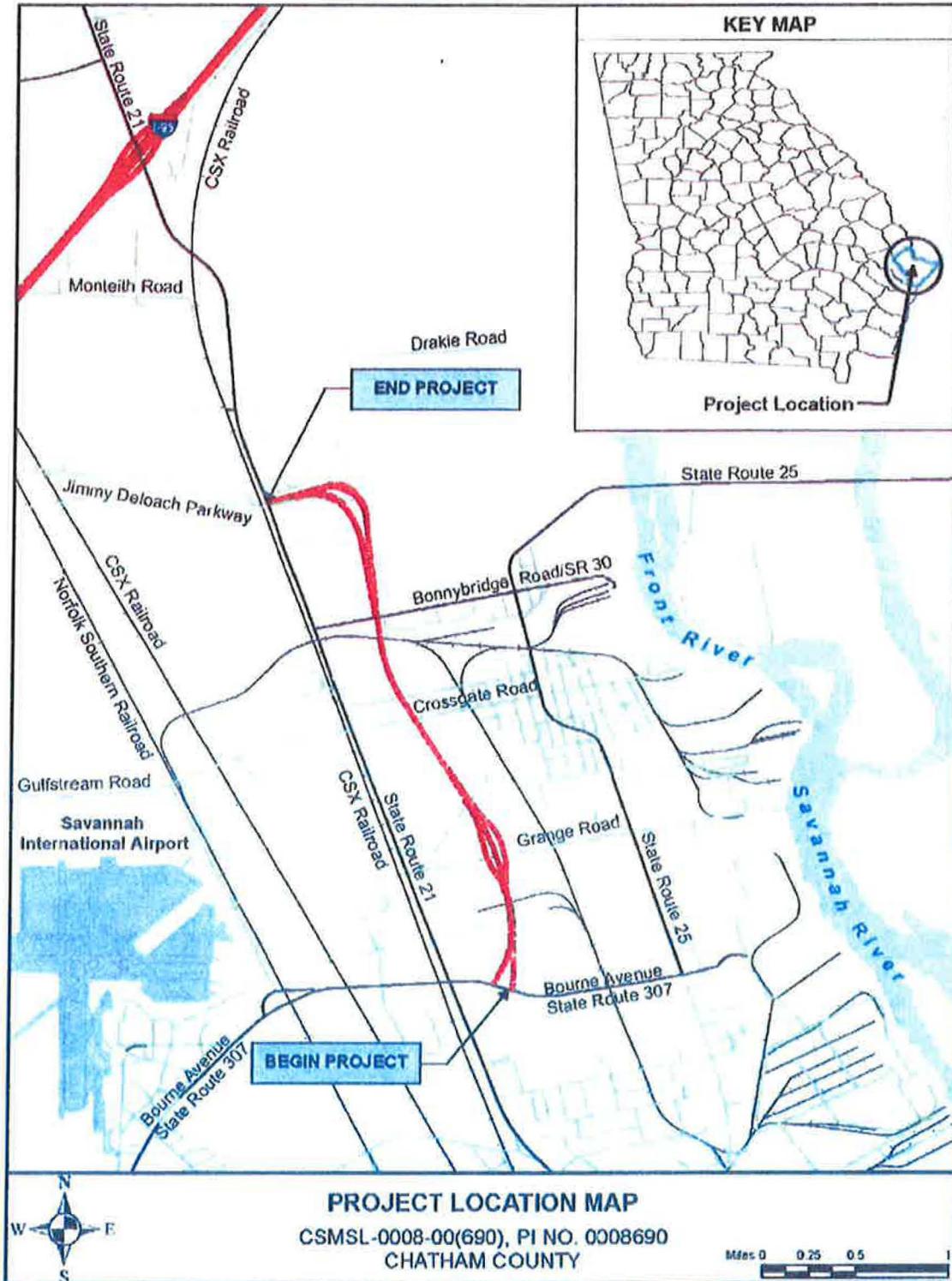
RECOMMEND: Bill R McManis
Director of Engineering

APPROVE: [Signature] 7/27/2011
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: August 1, 2011
(To be entered by the State
Conceptual Design Group Manager)

Attachments:

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval



STATE HIGHWAY AGENCY

DATE : 07/18/2011

PAGE : 1

JOB DETAIL ESTIMATE

JOB NUMBER : 008690 TEST SPEC YEAR: 01
 DESCRIPTION: JIMMY DELOACH CONN. FM BOURNE AVENUE/SR 307 TO EXIST JDP
 CSMSL-0008-00(690)

ITEMS FOR JOB 008690 TEST

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - CSMSL-0008-00(690)	1.000	150000.00	150000.00
0010	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	58711.69	58711.70
0015	201-1500		LS	CLEARING & GRUBBING - CSMSL-0008-00(690)	1.000	3500000.00	3500000.00
0020	205-0001		CY	UNCLASS EXCAV	34673.000	7.33	254284.85
0025	206-0002		CY	BORROW EXCAV, INCL MATL	2192831.000	11.00	24121141.00
0030	310-1101		TN	GR AGGR BASE CRS, INCL MATL	170355.000	14.24	2427149.90
0035	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	5299.000	69.24	366915.21
0040	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	38091.000	64.22	2446328.20
0045	402-3192		TN	RECYL AC 19 MM SP,GP 1OR 2,INCL BM	2118.000	65.00	137670.00
0050	402-4510		TN	RECYL AC 12.5 MM SP,GP2ONLY,INC P-MBM&HL	1085.000	81.45	88381.70
0055	413-1000		GL	BITUM TACK COAT	9650.000	2.38	23036.00
0060	430-0220		SY	PLN PC CONC PVMT/CL1C/ 12" TK	214718.000	65.00	13956670.00
0065	433-1000		SY	REINF CONC APPROACH SLAB	1372.000	151.99	208533.55
0067	433-1300		SY	REF CONC APPR SL/INCL BARRIER	2093.000	200.00	418600.00
0070	436-1000		LF	ASPH CONC CURB - 5 IN	3443.000	8.49	29240.78
0075	621-3020		LF	CONCRETE BARRIER, TYPE 20	7228.000	68.03	491758.86
0080	621-3021		LF	CONCRETE BARRIER, TYPE 21	3614.000	75.00	271050.00
0085	634-1200		EA	RIGHT OF WAY MARKERS	143.000	90.33	12917.99
0090	641-1100		LF	GUARDRAIL, TP T	290.000	44.59	12932.15
0095	641-1200		LF	GUARDRAIL, TP W	3153.000	15.76	49716.60
0100	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	1.000	679.00	679.01
0105	641-5012		EA	GUARDRAIL ANCHORAGE, TP 12	15.000	1762.14	26432.13
0110	643-4000		LF	WOVEN WIRE FENCE	33045.000	4.33	143195.88
0112	648-1350		EA	IMPACT ATT UNIT, TP-P- -	2.000	17786.75	35573.51
0115	207-0203		CY	FOUND BKFILL MATL, TP II	1200.000	40.97	49173.96
0120	441-0301		EA	CONC SPILLWAY, TP 1	11.000	1961.53	21576.87
0130	500-3101		CY	CLASS A CONCRETE	200.000	623.56	124713.56
0135	511-1000		LB	BAR REINF STEEL	16000.000	0.88	14152.16
0140	513-9000		LS	PRECAST CONCRETE ARCH CULVERT	1.000	300000.00	300000.00
0145	550-1180		LF	STM DR PIPE 18",H 1-10	6220.000	27.91	173645.30
0150	550-1240		LF	STM DR PIPE 24",H 1-10	605.000	41.87	25331.85
0155	550-1300		LF	STM DR PIPE 30",H 1-10	1117.000	52.26	58383.26
0160	550-1360		LF	STM DR PIPE 36",H 1-10	781.000	58.93	46027.63
0165	550-1420		LF	STM DR PIPE 42",H 1-10	975.000	56.10	54700.24
0170	550-1480		LF	STM DR PIPE 48",H 1-10	630.000	84.25	53077.58
0175	550-2180		LF	SIDE DR PIPE 18",H 1-10	3500.000	21.27	74446.89
0180	550-3418		EA	SAFETY END SECTION 18",SD,4:1	20.000	581.71	11634.32
0185	550-4218		EA	FLARED END SECT 18 IN, ST DR	4.000	706.65	2826.63
0190	550-4224		EA	FLARED END SECT 24 IN, ST DR	10.000	590.21	5902.10
0195	550-4230		EA	FLARED END SECT 30 IN, ST DR	14.000	844.02	11816.37
0200	550-4236		EA	FLARED END SECT 36 IN, ST DR	9.000	1021.15	9190.39

JOB DETAIL ESTIMATE

0205	550-4242	EA	FLARED END SECT 42 IN, ST DR	11.000	1517.33	16690.67
0210	576-1015	LF	SLOPE DRAIN PIPE, 15 IN	1000.000	21.45	21451.37
0215	603-2018	SY	STN DUMPED RIP RAP, TP 1, 18"	163.000	50.17	8177.87
0220	603-2180	SY	STN DUMPED RIP RAP, TP 3, 12"	647.000	56.62	36634.60
0225	603-7000	SY	PLASTIC FILTER FABRIC	810.000	3.91	3171.90
0230	668-2100	EA	DROP INLET, GP 1	6.000	1925.16	11551.02
0235	668-2200	EA	DROP INLET, GP 2	2.000	2864.73	5729.46
0240	668-2231	EA	DROP INLET,GP 1,MOD TP M-1	72.000	2000.00	144000.00
0245	668-4300	EA	STORM SEW MANHOLE, TP 1	4.000	2329.16	9316.64
0250	668-5000	EA	JUNCTION BOX	5.000	2065.53	10327.65
0255	668-7024	EA	DRAIN INLET, 24 IN	1.000	2000.00	2000.00
0265	163-0232	AC	TEMPORARY GRASSING	43.500	131.26	5709.88
0270	163-0240	TN	MULCH	424.500	161.98	68763.33
0275	163-0300	EA	CONSTRUCTION EXIT	6.000	1279.42	7676.52
0280	163-0520	LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	3000.000	13.00	39010.53
0285	163-0527	EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	273.000	174.71	47698.36
0290	163-0529	LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	15950.000	2.72	43499.00
0295	163-0531	EA	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO- VARIOUS	4.000	7314.20	29256.83
0300	163-0541	EA	CONSTR & REM ROCK FILTER DAMS	26.000	395.33	10278.72
0305	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	83.000	179.83	14926.01
0315	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	43850.000	0.64	28391.12
0320	165-0041	LF	MAINT OF CHECK DAMS - ALL TYPES	273.000	1.38	379.22
0325	165-0060	EA	MAINT OF TEMP SEDIMENT BASIN,STA NO -	4.000	1027.81	4111.27
0330	165-0071	LF	MAINT OF SEDIMENT BARRIER - BALED STRAW	15950.000	0.60	9634.28
0335	165-0101	EA	MAINT OF CONST EXIT	6.000	362.81	2176.91
0340	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	83.000	66.25	5498.81
0345	165-0110	EA	MAINT OF ROCK FILTER DAM	26.000	152.17	3956.48
0350	167-1000	EA	WATER QUALITY MONITORING AND SAMPLING	4.000	227.46	909.88
0355	167-1500	MO	WATER QUALITY INSPECTIONS	48.000	1162.66	55808.11
0360	170-1000	LF	FLOAT SILT RETENTION BARRIER	15000.000	12.44	186647.70
0365	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	43850.000	3.15	138287.55
0370	441-0204	SY	PLAIN CONC DITCH PAVING, 4 IN	1200.000	35.41	42492.70
0375	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	18000.000	1.74	31348.80
0380	700-6910	AC	PERMANENT GRASSING	87.000	511.40	44491.89
0385	700-7000	TN	AGRICULTURAL LIME	174.000	45.15	7857.08
0390	700-7010	GL	LIQUID LIME	217.500	18.38	3999.51
0395	700-8000	TN	FERTILIZER MIXED GRADE	60.900	446.13	27169.80
0400	700-8100	LB	FERTILIZER NITROGEN CONTENT	8700.000	2.29	20004.00
0405	716-2000	SY	EROSION CONTROL MATS, SLOPES	136074.000	1.20	164109.33
0410	500-3101	CY	CLASS A CONCRETE	70.000	805.66	56396.33
0415	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	280.000	14.06	3938.98
0420	636-1029	SF	HWY SGN,TP2 MATL,REFL SH TP 3	540.000	15.24	8233.82
0425	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	60.000	22.04	1322.66
0430	636-1041	SF	HWY SIGNS,TP 2MAT,REFL SH TP 9	2040.000	28.19	57515.60
0435	636-1072	SF	HWY SIGNS,ALUM EXTRD PNLS, RS TP 3	1540.000	29.78	45864.96
0440	636-2070	LF	GALV STEEL POSTS, TP 7	1320.000	8.03	10605.43
0445	636-2080	LF	GALV STEEL POSTS, TP 8	1930.000	9.96	19233.78
0450	636-3000	LB	GALV STEEL STR SHAPE POST	6020.000	3.48	20997.46
0455	636-3010	EA	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	80.000	606.11	48489.47

JOB DETAIL ESTIMATE

0459	636-9094	LF	P-IN-PL,SIGNS,STL H,HP 12 X 53	110.000	66.42	7306.36
0460	639-2001	LF	STEEL WIRE STRAND CABLE, 1/4"	100.000	1.56	156.82
0465	639-3003	EA	STEEL STRAIN POLE, TP III	2.000	7076.45	14152.91
0470	647-1000	LS	TRAF SIGNAL INSTALLATION NO - VARIOUS	1.000	200000.00	200000.00
0475	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	70.000	67.53	4727.35
0480	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	75700.000	0.24	18877.31
0485	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	61900.000	0.22	14129.29
0490	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	800.000	3.44	2755.10
0495	653-1810	LF	THER SLD TRAF STRIPE, 10 IN, W	14100.000	0.92	12986.66
0500	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	64400.000	0.14	9146.09
0505	653-6004	SY	THERM TRAF STRIPING, WHITE	500.000	2.93	1468.03
0510	653-6006	SY	THERM TRAF STRIPING, YELLOW 6' SUB STRUCTURE DEPTH	500.000	2.93	1469.29
0515	654-1001	EA	RAISED PVMT MARKERS TP 1 6' SUB STRUCTURE DEPTH	150.000	3.45	518.73
0520	654-1003	EA	RAISED PVMT MARKERS TP 3 6' SUB STRUCTURE DEPTH	2260.000	2.68	6067.26
0525	655-5000	EA	PVMT ARROW THERM W/R REFLECTOR 6' SUB STRUCTURE DEPTH	4.000	328.34	1313.38
0530	657-1054	LF	PRF PL SD PVMT MKG,5",WH,TP PB 6' SUB STRUCTURE DEPTH	3700.000	3.48	12889.06
0535	657-3054	GLF	PRF PL SK PVMT MKG,5",WH,TP PB 6' SUB STRUCTURE DEPTH	3700.000	2.51	9289.55
0540	657-6054	LF	PRF PL SD PVMT MKG,5",YW,TP PB 6' SUB STRUCTURE DEPTH	3700.000	3.30	12239.08
0545	543-9000	LS	CONSTR OF BRIDGE COMPLETE - CSMSL-0000-00(860)	1.000	11872683.00	11872683.00
0550	627-1000	SF	MSE WALL FACE, 0 - 10 FT HT, WALL NO - VARIOUS	75200.000	53.23	4003572.05
0555	627-1010	SF	MSE WALL FACE, 10 - 20 FT HT, WALL NO - VARIOUS	54900.000	48.15	2643770.99
0560	627-1020	SF	MSE WALL FACE, 20 - 30 FT HT, WALL NO - VARIOUS	30450.000	39.19	1193531.60
0565	627-1030	SF	MSE WALL FACE, GTR 30 FT HT, WALL NO - VARIOUS	25950.000	42.98	1115356.17
0570	627-1100	LF	COPING A, WALL NO - VARIOUS	5210.000	82.87	431770.05
0575	627-1140	LF	TRAFFIC BARRIER V, WALL NO - VARIOUS	5210.000	201.82	1051520.08
0580	627-1180	CY	ADDITIONAL MSE BACKFILL	4800.000	44.69	214533.55
0585	005-0004	*\$*	WETLAND MITIGATION	1.000	2670000.00	2670000.00
0590	999-2010	LS	DESIGN COMPLETE	1.000	6471220.02	6471220.02

ITEM TOTAL

87361470.26

INFLATED ITEM TOTAL

87361470.26

TOTALS FOR JOB 008690_TEST

ESTIMATED CONSTRUCTION COST:

80890250.24

ESTIMATED DESIGN COST:

6471220.02

CONTINGENCY PERCENT (0.0):

0.00

ESTIMATED TOTAL:

87361470.26

NOTICE OF LOCATION AND DESIGN APPROVAL

CSMSL-0008-00(690), Chatham County P.I. # 0008690

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is **August 1, 2011**.

The project is primarily located in Port Wentworth, Chatham County, with a small portion being located in Savannah. The project is located 100% within G.M.D. 8 and Congressional District 12.

Project CSMSL-0008-00(690) proposes the construction of the Jimmy Deloach Connector, a new limited access roadway that will begin at SR 307/ Bourne Avenue and terminate at the existing eastern end of Jimmy Deloach Parkway. New interchanges will be constructed at SR 307/ Bourne Ave, Grange Road, and Pierce Ave. The proposed project will be approximately 3.1 miles in length. The typical section would consist of four 12-ft wide travel lanes (two in either direction) separated by a median barrier with 4-ft wide inside shoulders, and 10-ft wide outside shoulders (6.5-ft paved). From north of Bonnybridge Road to existing Jimmy Deloach Parkway, northbound and southbound lanes would be separated by a depressed median varying in width up to 250-ft. Jimmy Deloach Connector will have a functional classification of Rural Principal Arterial. The construction would consist of multiple new bridges and walls, as well as ramps at the new interchanges.

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:

Troy Pittman
trpittman@dot.ga.gov
630 West Boundary Street,
Savannah, Georgia 31402
912-651-2144

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:

Darryl VanMeter, P.E.,
Office of Innovative Program Delivery
dvanmeter@dot.ga.gov
600 West Peachtree St, 19th Floor
Atlanta, Georgia 30308
404-631-1703

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.