

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #222120-
EDS00-0545-00(029)
Jefferson County
GDOT District 2 - Tennille
SR 4/US 1 from Wadley Bypass to
Louisville Bypass including Bridges
Widening & Improvements

OFFICE Design Policy & Support

DATE 4/12/2016

FROM  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Hiral Patel, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Eric Duff, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Richard Cobb, Location Bureau Chief
Jimmy Smith, District Engineer
Todd Price for District Preconstruction Engineer
Gazell "Cissy" McNure, District Planning & Programming Engineer
Terrell McMillan, Area Engineer - D2, A3
Daniel Chastain, Project Manager
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. 222120-
EDS-0545-00(029)
Jefferson
SR4/US1 From Wadley Bypass To
Louisville Bypass-Including Bridges

OFFICE Office of Program Delivery

DATE 3/18/2016

Albert Shelby

FROM Albert V. Shelby III, State Program Delivery Engineer

TO Brent Story State Design Policy Engineer
Attn: Dave Peters State Conceptual Design Group Manager

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The proposed construction of project PI#222120 in Jefferson County would provide four, 12ft lanes with a 44ft depressed grassed median from the beginning of the project to CR 248. The typical section just north of the Ogeechee overflow bridge will transition from a 32' depressed median to a 14' flush median and continue to the northern terminus 1600' south of US 1/ SR 4 Bus. The north project terminus is 0.3 miles north of CR 326/ Nimrod Rd. From there, the median would taper to 14ft, continuing to the end of the project at the Louisville Bypass. The existing bridges over Ogeechee River and the Ogeechee River Overflow would be widened to 38ft and parallel 38ft wide bridges would be constructed to accommodate the new lanes. The existing culvert over Boggy Gut Creek would be extended to accommodate the US 1/SR 4 widening. The northern terminus of this project ties into project 222150- Jefferson County, with a similar typical section. Traffic would be maintained throughout construction.

Concept Approval Date: Approved 12/07/1998; Revised 10/12/2001

Concept Update: The outside paved shoulders have been reduced from 6.5' to 6' with the overall shoulder width of 10' remaining the same. The typical section just north of the Ogeechee overflow bridge will transition from a 32' depressed median to a 14' flush median and continue to the northern terminus 1600' south of US 1/ SR 4 Bus. The north project terminus is 0.3 miles north of CR 326/ Nimrod Rd.

Environmental Document:

Document Type: Document Type GEPA Type B Approval Date: Pending

Public Involvement: Public Information Open House summary:

A public information open house was held on 2/17/15. A total of 120 people attended the open house. Of the 51 respondents who formally commented, 15 were in support of the project, 3 were opposed, 1 was uncommitted, and 32 expressed conditional support.

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.

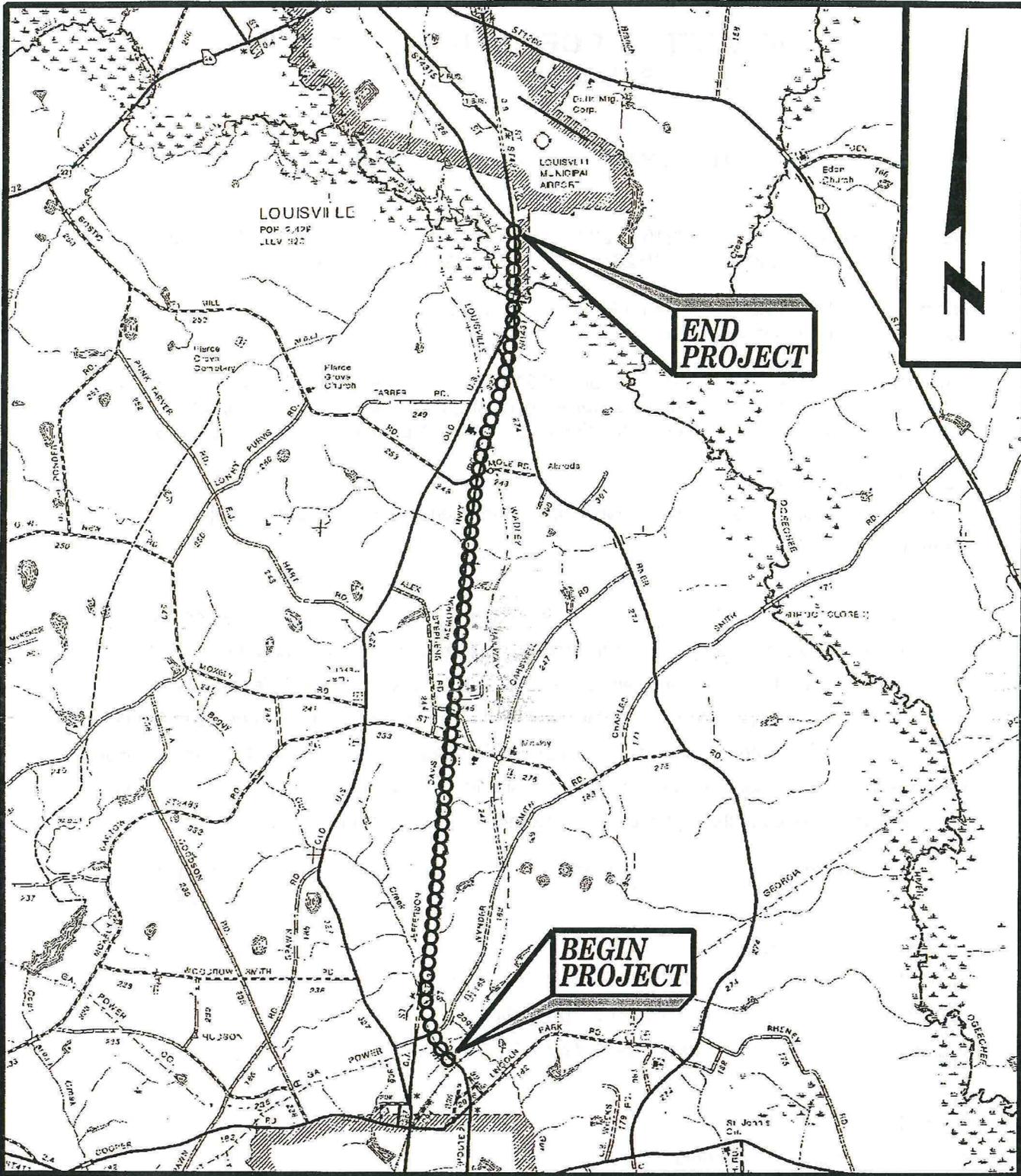
Concur: *Neil Patel*
GDOT Director of Engineering

Approve: *May B. Birkle, PE* *4/5/16*
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: *April 12, 2016*
(To be entered by State Conceptual Design Group Manager)

Attachments:

- Sketch Map
- Public Meeting Summary Letter
- Construction Cost Estimate
- Notice of Location and Design Approval



LOCATION

STRIP MAP

EDS-545(29)
US 1/ SR 4 IMPROVEMENTS
JEFFERSON COUNTY
P.I.# 222120

SOURCE: GENERAL HIGHWAY MAP, JEFFERSON CO., GEORGIA
PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1994

DISPOSITION OF COMMENTS:

Kimley-Horn and Associates, Inc. will respond to all comments on behalf of the Department of Transportation. The GDOT offices below are asked to review the responses attached by the consultant for the comments in their section. The project manager will review all responses.

Attached is a complete transcript of the comments received during the comment period and a copy of the public hearing open house handout for review. **Your input on the proposed responses is required by March 20, 2015.** Please direct your comments via email to Heather Dunn (heather.dunn@kimley-horn.com) and copy Zack Adriaenssens (ZAdriaenssens@dot.ga.gov), of this office.

If you have any questions about the comments, please either email or call Zack Adriaenssens at (404) 631-1650.

HP/hmd

Attachments

DISTRIBUTION:

Design
ROW
Planning
Traffic Operations
Environmental

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 222120 **OFFICE** Program Delivery

PROJECT DESCRIPTION

SR4/US1 From Wadley Bypass to Louisville Bypass Including Bridges

DATE December 9, 2015

From: Albert Shelby, State Program Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER Daniel Chastain **MGMT LET DATE** 2/15/2018
MGMT ROW DATE 5/20/2016

PROGRAMMED COSTS (TPRO W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION	\$	30,887,227.97	DATE	11/12/2014
RIGHT OF WAY	\$	5,682,000.00	DATE	11/12/2014
UTILITIES	\$	 	DATE	

REVISED COST ESTIMATES

CONSTRUCTION* \$ 28,273,583.23
RIGHT OF WAY \$ 5,682,000.00
UTILITIES \$

*Cost Contains 10 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

A detailed cost estimate was provided by the ROW office.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	23,521,651.08	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	1,176,082.55	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	2,469,773.36	Base Estimate (A) + E & I (B) x	10 %
			<u>See % Table in "Risk Based Cost Estimation" Memo</u>	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	1,106,076.23	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	28,273,583.23	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS:

- Detailed Cost Estimate Printout From TRAQS
- Liquid AC Adjustment Spreadsheet
- ROW cost estimate from Office of ROW

DETAILED COST ESTIMATE



Job: 222120

JOB NUMBER 222120

FED/STATE PROJECT NUMBER EDS00-0545-00(029)

SPEC YEAR: 13

DESCRIPTION: WIDENING AND RECONSTRUCTION OF US 1 / SR 4
FROM WADLEY BYPASS TO LOUISVILLE BYPASS

ITEMS FOR JOB 222120

001 - ROADWAY ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0004	210-0100	1.000	LS	\$1,750,000.00000	GRADING COMPLETE - LUMP SUM	\$1,750,000.00
0005	310-1101	125673.000	TN	\$15.99569	GR AGGR BASE CRS, INCL MATL	\$2,010,226.35
0010	402-3113	26363.000	TN	\$76.67992	RECYL AC 12.5MM SP,GP1/2,BM&HL	\$2,021,512.73
0015	402-3121	37210.000	TN	\$64.01876	RECYL AC 25MM SP,GP1/2,BM&HL	\$2,382,138.06
0020	402-3190	24026.000	TN	\$65.66218	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$1,577,599.54
0025	433-1000	836.000	SY	\$163.04685	REINF CONC APPROACH SLAB	\$136,307.17
0026	540-1102	1.000	LS	\$500,000.00000	REM OF EX BR, BR NO - REM EXIST BRDG - OGEECHEE	\$500,000.00
0030	540-1102	1.000	LS	\$500,000.00000	REM OF EX BR, BR NO - REM EXIST BRDG - OGEECHEE OVRFLW	\$500,000.00
0031	543-9000	1.000	LS	\$4,300,000.00000	CONSTR OF BRIDGE COMPLETE - CONSTR (580X41.25) BRDG -OGEECHEE LUMP	\$4,300,000.00
0036	543-9000	1.000	LS	\$3,300,000.00000	CONSTR OF BRIDGE COMPLETE - CONSTR (440X41.25) BRDG OGEECHEE OVRFLW	\$3,300,000.00
0041	634-1200	182.000	EA	\$97.71430	RIGHT OF WAY MARKERS	\$17,784.00
0046	641-1100	0.000	LF		GUARDRAIL, TP T	
0051	641-1200	3812.500	LF	\$16.00420	GUARDRAIL, TP W	\$61,016.01
0056	641-5001	7.000	EA	\$795.25987	GUARDRAIL ANCHORAGE, TP 1	\$5,566.82
0061	641-5012	7.000	EA	\$1,928.01176	GUARDRAIL ANCHORAGE, TP 12	\$13,496.08
SUBTOTAL FOR ROADWAY ITEMS:						\$18,575,646.76

002 - DRAINAGE ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0066	441-0204	0.000	SY		PLAIN CONC DITCH PAVING, 4 IN	
0071	500-3101	3939.000	CY	\$514.87224	CLASS A CONCRETE	\$2,028,081.75
0116	511-1000	70973.000	LB	\$0.88955	BAR REINF STEEL	\$63,134.03
0076	550-2180	7355.000	LF	\$23.62542	SIDE DR PIPE 18,H 1-10	\$173,764.96
0081	550-2240	1485.000	LF	\$28.77909	SIDE DR PIPE 24,H 1-10	\$42,736.95
0086	550-2300	455.000	LF	\$40.19948	SIDE DR PIPE 30,H 1-10	\$18,290.76
0096	550-3418	127.000	EA	\$444.37159	SAFETY END SECTION 18,SD,4:1	\$56,435.19
0101	550-3424	33.000	EA	\$645.83718	SAFETY END SECTION 24,SD,4:1	\$21,312.63
0106	550-3430	4.000	EA		SAFETY END SECTION 30,SD,4:1	
0121	603-2181	0.000	SY		STN DUMPED RIP RAP, TP 3, 18	
0126	603-7000	0.000	SY		PLASTIC FILTER FABRIC	
0146	668-2100	67.000	EA	\$1,789.12894	DROP INLET, GP 1	\$119,871.64
SUBTOTAL FOR DRAINAGE ITEMS:						\$2,523,627.91

DETAILED COST ESTIMATE



Job: 222120

003 - SIGNING AND MARKING ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0151	150-1000	1.000	LS	\$750,000.00000	TRAFFIC CONTROL - LUMP SUM	\$750,000.00
0156	653-1501	85332.000	LF	\$0.27097	THERMO SOLID TRAF ST 5 IN, WHI	\$23,122.41
0161	653-1502	68337.000	LF	\$0.32966	THERMO SOLID TRAF ST, 5 IN YEL	\$22,527.98
0166	653-1704	380.000	LF	\$6.13720	THERM SOLID TRAF STRIPE,24,WH	\$2,332.14
0171	653-3501	70645.000	GLF	\$0.17837	THERMO SKIP TRAF ST, 5 IN, WHI	\$12,600.95
0176	653-3502	18020.000	GLF	\$0.22501	THERMO SKIP TRAF ST, 5 IN, YEL	\$4,054.68
0181	653-6004	8604.000	SY	\$2.71391	THERM TRAF STRIPING, WHITE	\$23,350.48
0186	653-6006	243.000	SY	\$3.45288	THERM TRAF STRIPING, YELLOW	\$839.05
0201	657-5017	73.000	EA	\$603.26917	PRF PL PVT MKG,ARW TP2,WH,TPPB	\$44,038.65
0206	657-5020	30.000	EA	\$570.00000	PRF PL PVT MKG,ARW TP7,WH,TPPB	\$17,100.00
SUBTOTAL FOR SIGNING AND MARKING ITEMS:						\$899,966.34

004 - EROSION ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0211	163-0001	1.000	LS	\$400,000.00000	EROSION CONTROL, NON-REFUNDABLE DEDUCT	\$400,000.00
0229	201-1500	1.000	LS	\$300,000.00000	CLEARING & GRUBBING - LUMP SUM	\$300,000.00
SUBTOTAL FOR EROSION ITEMS:						\$700,000.00

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0214	163-0232	48.000	AC	\$62.72385	TEMPORARY GRASSING	\$3,010.74
0213	163-0240	1700.000	TN	\$123.44468	MULCH	\$209,855.96
0065	441-0016	78.000	SY	\$41.11191	DRIVEWAY CONCRETE, 6 IN TK	\$3,206.73
0075	500-3200	1785.000	CY	\$238.62074	CL B CONC	\$425,938.02
0130	636-1033	202.000	SF	\$16.69933	HWY SIGNS, TP1MAT,REFL SH TP 9	\$3,373.26
0131	636-1036	623.500	SF	\$20.00000	HWY SGN,TP1MAT,REFL SH TP 11	\$12,470.00
0136	636-1041	158.000	SF	\$35.74522	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$5,647.74
0140	636-2070	1182.000	LF	\$5.36665	GALV STEEL POSTS, TP 7	\$6,343.38
0141	636-2080	713.500	LF	\$8.60314	GALV STEEL POSTS, TP 8	\$6,138.34
0191	654-1001	102.000	EA	\$4.04433	RAISED PVMT MARKERS TP 1	\$412.52
0196	654-1003	1043.000	EA	\$2.97070	RAISED PVMT MARKERS TP 3	\$3,098.44
0219	700-6910	95.000	AC	\$892.01965	PERMANENT GRASSING	\$84,741.87
0224	700-7000	189.000	TN	\$44.61501	AGRICULTURAL LIME	\$8,432.24
0227	700-8000	67.000	TN	\$509.14016	FERTILIZER MIXED GRADE	\$34,112.39
0228	700-8100	9409.000	LB	\$1.66101	FERTILIZER NITROGEN CONTENT	\$15,628.44
SUBTOTAL FOR :						\$822,410.07

TOTALS FOR JOB 222120

ITEMS COST:	\$23,521,651.08
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$23,521,651.08
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$23,521,651.08

NOTICE OF LOCATION AND DESIGN APPROVAL
EDS00-0545-00(029) JEFFERSON COUNTY
P. I. NO. 222120-

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 and design approval is: April 12, 2016

The project is located in GMD 83 of Jefferson County.

The proposed construction of project PI# 222120- in Jefferson County would provide four, 12ft lanes with a 44ft depressed grassed median from the beginning of the project to CR 248. The typical section just north of the Ogeechee overflow bridge will transition from a 32' depressed median to a 14' flush median and continue to the northern terminus 1600' south of US 1/ SR 4 Bus. The north project terminus is 0.3 miles north of CR 326/ Nimrod Rd. From there, the median would taper to 14ft, continuing to the end of the project at the Louisville Bypass. The existing bridges over Ogeechee River and the Ogeechee River Overflow would be widened to 38ft and parallel 38ft wide bridges would be constructed to accommodate the new lanes. The existing culvert over Boggy Gut Creek would be extended to accommodate the US 1/SR 4 widening. The northern terminus of this project ties into project 222150- Jefferson County, with a similar typical section. Traffic would be maintained throughout construction.

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:

*Terrell McMillan, Area Engineer
tmcmillan@dot.ga.gov
2971 US Hwy 1 North
Louisville, Ga 30434
478-625-3681*

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:

*Albert V. Shelby III
Office of Program Delivery
Attn: Daniel Chastain
dchastain@dot.ga.gov
600 West Peachtree St. N.W. 25th Floor
706-604-6594*

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.