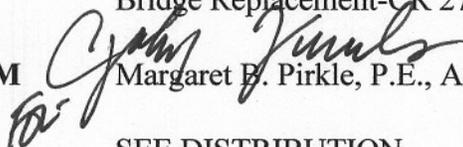


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0002226, Dodge County **OFFICE** Preconstruction
BR-0002-00(226)
Bridge Replacement-CR 275 over Joiner Creek **DATE** December 7, 2005

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

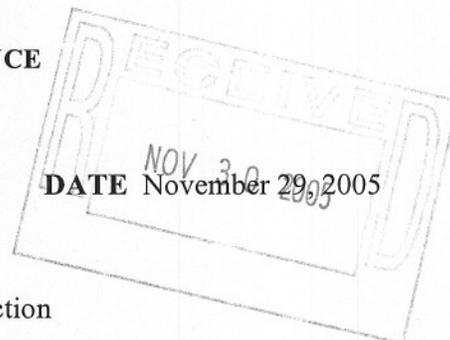
Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Babs Abubakari
Mike Thomas
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE



FROM Alan Smith, District Design Engineer

TO Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

**SUBJECT BR-0002-00 (226) Dodge County, P.I. # 0002226
Project Concept Report**

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

The above mentioned project consists of the replacement of the structurally deficient bridge on CR 275 over Joiner Creek. The road will be closed during construction. The typical section will consist of 2 - 12-ft. travel lanes with 6-ft. grassed shoulders. The project limits will be from MP 3.07 to MP 3.61

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

DATE 11/29/05



State Transportation Planning Administrator

Distribution:

- David Mulling
- Harvey Keepler
- Keith Golden
- Joe Palladi
- Jamie Simpson

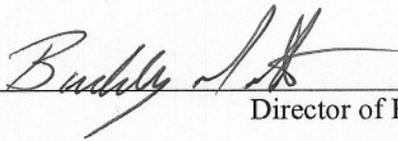
Page Two
Revised Concept
BRST-0002-00 (226) Dodge County

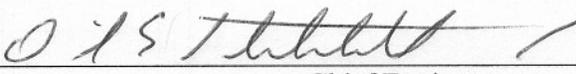
Recommendation:

This office recommends that this concept revision be approved for implementation.

Attachments:

- Cost Estimate*
- Need and Purpose Statement*
- Typical Section*
- Location Sketch*
- Traffic Counts*
- Environmental Comments*

Concur: 
Director of Preconstruction

Approved: 
Chief Engineer

BRST-0002-00 (226) Dodge County, P.I. # 0002226

Bridge replacement on Cr 275 over Joiner Creek

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	10000.00	TRAFFIC CONTROL - BR-0002-00 (226)	10000.00
210-0100	1	LS	160000.00	GRADING COMPLETE - BR-0002-00 (226)	160000.00
318-3000	300	TN	16.15	AGGR SURF CRS	4845.00
402-1811	275	TN	48.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	13200.00
402-3110	562	TN	48.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	26976.00
402-3112	725	TN	48.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	34800.00
413-1000	332	GL	0.99	BITUM TACK COAT	328.68
433-1000	217	SY	147.41	REINF CONC APPROACH SLAB	31987.97
446-1100	295	LF	5.73	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	1690.35
550-1180	56	LF	29.63	STORM DRAIN PIPE, 18 IN, H 1-10	1659.28
550-1240	28	LF	35.21	STORM DRAIN PIPE, 24 IN, H 1-10	985.88
550-2180	104	LF	24.14	SIDE DRAIN PIPE, 18 IN, H 1-10	2510.56
550-2240	64	LF	29.57	SIDE DRAIN PIPE, 24 IN, H 1-10	1892.48
550-3618	4	EA	522.02	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	2088.08
550-3618	1	EA	546.43	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	546.43
550-3624	2	EA	881.82	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	1763.64
550-4118	2	EA	251.64	FLARED END SECTION 18 IN, SIDE DRAIN	503.28
550-4124	2	EA	341.72	FLARED END SECTION 24 IN, SIDE DRAIN	683.44
550-4224	2	EA	490.70	FLARED END SECTION 24 IN, STORM DRAIN	981.40
634-1200	26	EA	87.38	RIGHT OF WAY MARKERS	2271.88
641-1100	83	LF	30.37	GUARDRAIL, TP T	2520.71
641-1200	1275	LF	13.25	GUARDRAIL, TP W	16893.75
641-5001	2	EA	469.61	GUARDRAIL ANCHORAGE, TP 1	939.22
641-5012	2	EA	1525.97	GUARDRAIL ANCHORAGE, TP 12	3051.94
668-2100	1	EA	2758.35	DROP INLET, GP 1	2758.35
668-5000	2	EA	1540.28	JUNCTION BOX	3080.56
Section Sub Total:					\$328,958.88

Section EROSION CONTROL - TEMPORARY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	4	AC	483.10	TEMPORARY GRASSING	1932.40
163-0240	102	TN	205.25	MULCH	20935.50
163-0300	3	EA	1173.35	CONSTRUCTION EXIT	3520.05
163-0530	2600	LF	2.47	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	6422.00
165-0010	432	LF	1.04	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	449.28
165-0030	3150	LF	1.12	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	3528.00
165-0070	1300	LF	1.32	MAINTENANCE OF BALED STRAW EROSION CHECK	1716.00
165-0101	3	EA	385.72	MAINTENANCE OF CONSTRUCTION EXIT	1157.16
167-1000	2	EA	1837.51	WATER QUALITY MONITORING AND SAMPLING	3675.02
167-1500	12	MO	817.56	WATER QUALITY INSPECTIONS	9810.72
171-0010	864	LF	1.84	TEMPORARY SILT FENCE, TYPE A	1589.76
171-0030	6300	LF	3.15	TEMPORARY SILT FENCE, TYPE C	19845.00
700-8000	2	TN	257.90	FERTILIZER MIXED GRADE	515.80
710-9000	140	SY	4.39	PERMANENT SOIL REINFORCING MAT	614.60
715-2200	2455	SY	2.03	BITUMINOUS TREATED ROVING, WATERWAYS	4983.65
Section Sub Total:					\$80,694.94

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	24	SF	13.52	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	331.24
636-1031	70	SF	16.78	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	1174.60
636-2070	70	LF	6.61	GALV STEEL POSTS, TP 7	462.70
652-5451	5685	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, WHITE	739.05
652-5452	5685	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	739.05
652-5701	42	LF	2.28	SOLID TRAF STRIPE, 24 IN, WHITE	95.76
657-1054	600	LF	3.34	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	2004.00
657-6054	600	LF	3.59	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	2154.00
Section Sub Total:					\$7,700.40

Section BRIDGE

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	1	LS	103299.80	REMOVAL OF EXISTING BR, STA NO - 25+55	103299.80
543-1100	1	LS	468000.00	CONSTR OF BRIDGE	468000.00
603-2024	360	SY	42.42	STN DUMPED RIP RAP, TP 1, 24 IN	15271.20
603-7000	360	SY	3.93	PLASTIC FILTER FABRIC	1414.80
Section Sub Total:					\$587,985.80

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	7	AC	772.50	PERMANENT GRASSING	5407.50
700-7000	14	TN	58.37	AGRICULTURAL LIME	817.18
700-7010	17	GL	18.58	LIQUID LIME	325.15
700-8000	4	TN	257.90	FERTILIZER MIXED GRADE	1083.18
700-8100	350	LB	1.48	FERTILIZER NITROGEN CONTENT	518.00
716-2000	35575	SY	1.12	EROSION CONTROL MATS, SLOPES	39844.00
Section Sub Total:					\$47,995.01

Total Estimated Cost: \$1,053,335.03

Subtotal Construction Cost	\$1,053,335.03
E&C Rate 10.0 %	\$105,333.50
Inflation Rate 5.0 % @ 2 Years	\$118,763.52
<hr/>	
Total Construction Cost	\$1,277,432.06
Right Of Way	\$0.00
Relmb. Utilities	\$0.00
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Grand Total Project Cost	\$1,277,432.06

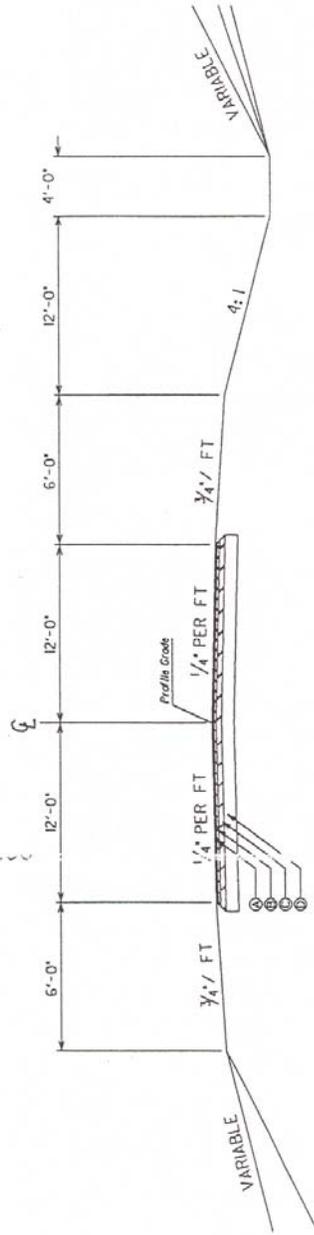
Need and Purpose Statement
Project BR-0002-00(226) Dodge County
PI No. 0002226
Bridge Replacement on CR 275 (Bethel Church Rd.)
Over Joiner Creek

Bridge project BR-0002-00(226) will replace the structurally deficient bridge located on County Road 275 over Joiner Creek, 9.0 miles Northeast of Chauncey, Georgia. The bridge's sufficiency rating is 20.5. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge.

County Road 275 is functionally classified as a rural minor collector. The posted speed limit along CR 275 is 55 mph. The section where the proposed bridge project improvement would take place, is not a school bus route. CR 275 is not part of the Statewide Bicycle Plan. The bridge is located 9.0 miles Northeast of Chauncey and was constructed in 1940. Sidewalks are not proposed on the new bridge. Trucks represent 8% of the traffic of CR 275. The Average Daily Traffic (ADT) along this section of highway for 2007 is 300. The projected (2027) ADT for this section of highway is 400. Currently no roadway improvements are in the Construction Work Program for CR 275 in this vicinity.

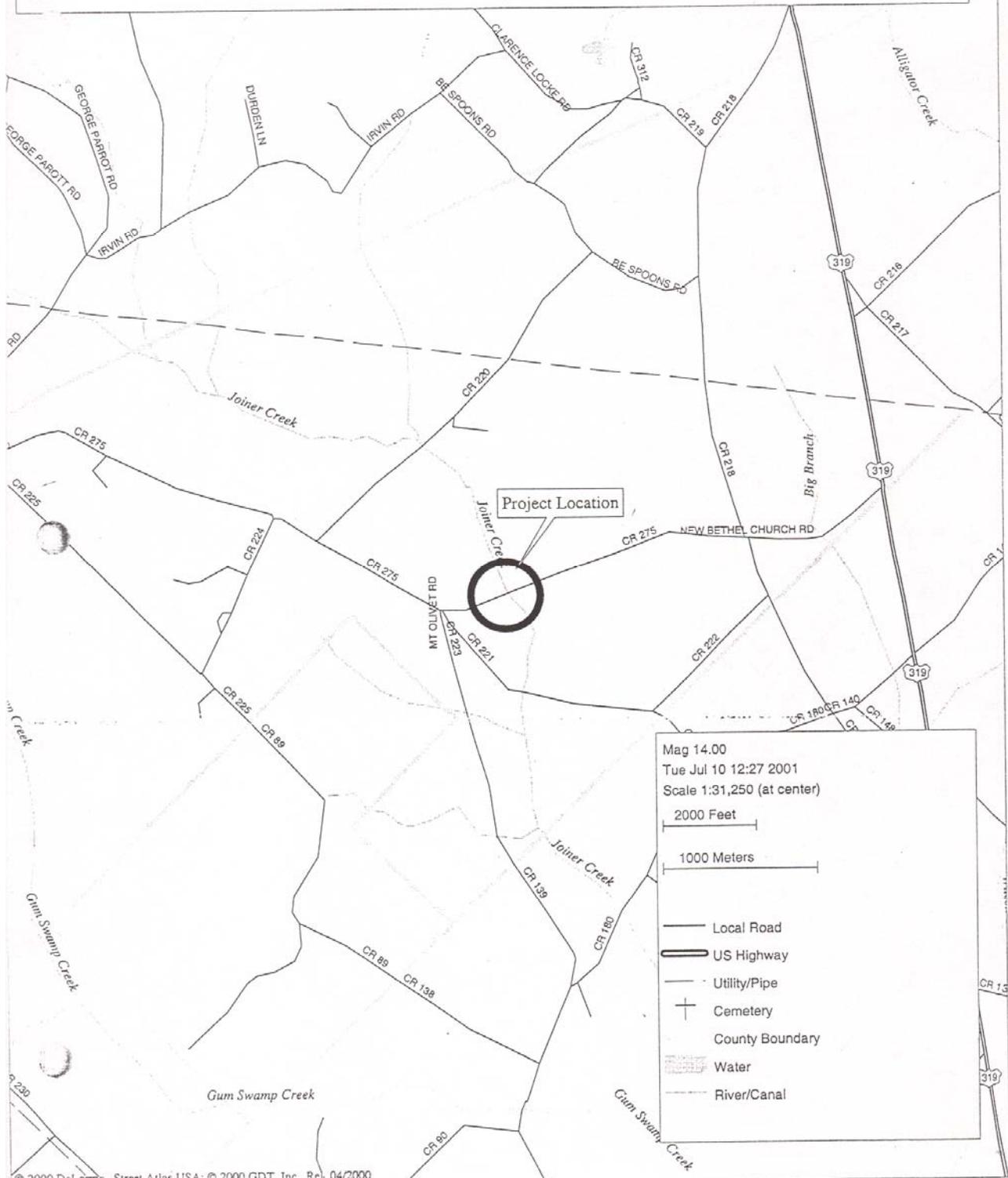
Replacing this bridge will bring it up to current design standards and in doing so will improve the operation and safety of this roadway.

TYPICAL SECTION



BR-0002-00(226)
DODGE

BR-0002-00(226) Dodge



Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0002-00(226) Dodge
P. I. No. 0002226

OFFICE Environment/Location
DATE January 8, 2002

FROM Harvey D. Keeper, State Environmental/Location Engineer

TO Mike Thomas, P.E., District Engineer, Tennille
Attn: George Brewer

SUBJECT CR 275/New Bethel Church Rd. @ Joiner Creek

We are furnishing estimated traffic assignments for the above project as follows:

Existing 2001 ADT = 200
2007 ADT = 250
2027 ADT = 400
K = 9%
D = 60%
T = 5%
24 HR T = 7%
SU = 4%
COMB = 3%

If you have any questions concerning this information please contact
Teresa Williamson at (404)699-4458.

HDK/TJW

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I No. 0002226 OFFICE: Environment/Location

DATE: February 20, 2002

FROM: 
Harvey D. Keeper, State Environmental/Location Engineer

TO: Wayne Hutto, P.E., Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
BR-0002-00(226), DODGE COUNTY

The above subject concept report has been reviewed. Replacing a bridge with a culvert will require stream mitigation in an area of the state where we do not own any and there are no commercial banks. Need to avoid, if possible.

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

HDK/rtt

Attachment

cc: David Mulling
George Brewer