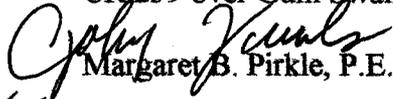


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0002227, Dodge County **OFFICE** Preconstruction
BR-0002-00(227)
CR 239 over Gum Swamp Creek **DATE** July 6, 2006

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.

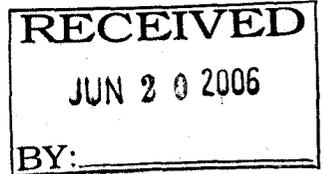
MBP/cj

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

DATE June 20, 2006

FROM Alan Smith, ^{DAS} District Design Engineer
TO Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT BR-0002-00 (227) Dodge County, P.I. # 0002227
Bridge replacement on CR 239 over Gum Swamp Creek
Revised Project Concept Report

Attached is the original copy of the Revised 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 a structurally deficient bridge on CR 239 over Gum Swamp Creek. C.R. 239 will be closed during construction while the bridge is being replaced.

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 6/20/06


State Transportation Planning Administrator

Distribution:

Brian Summers
Harvey Keepler
Keith Golden
Joe Palladi
Jamie Simpson

Need and Purpose: *Bridge project BR-0002-00(227) will replace the structurally deficient bridge located on County Road 239 over Gum Swamp Creek, 4.0 miles Northeast of Chauncey, Georgia. The bridge's sufficiency rating is 19.9. 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 239 is functionally classified as a rural local road. The posted speed limit along CR 239 is 55 mph. The section where the proposed bridge project improvement would take place is a school bus route. CR 239 is not part of the Statewide Bicycle Plan. The bridge is located 4.0 miles Northeast of Chauncey and was constructed in 1953. Sidewalks are not proposed on the new bridge. Trucks represent 3% of the traffic of CR 239. The Average Daily Traffic (ADT) along this section of highway for 2001 is 250. The projected (2027) ADT for this section of highway is 500. Currently no roadway improvements are in the Construction Work Program for CR 239 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.

Description of the proposed project: *The project consists of the bridge replacement on CR 239 (Jaybird Springs Road) over Gum Swamp Creek 4 miles northeast of Chauncey.*

PDP Classification: Minor Major

Federal Oversight: Full Oversight , Exempt , State Funded , or Other

Functional Classification: *Rural Local Road*

U. S. Route Number(s): *None* **State Route Number(s):** *None*
County Road Number(s): *239*

Traffic (AADT) as shown in the approved concept:
Current Year: *300 (2007)* Design Year: *500 (2027)*

Proposed Features to be revised:

Posted Speed
Speed Design

Describe the revised feature(s) to be approved:

The proposed speed design is currently 55 mph which matches the current posted speed of CR 239. There are existing advisory plates mounted on the road signs of 15 MPH in the area of Jaybird Springs Resort where a recreational park is located on both sides of CR 239. This recreational area is arranged such that pedestrians cross the road frequently to access pools and other areas of the park. This office has discussed this with the local government and the office of traffic operations and everyone agrees that a speed reduction through this area would greatly enhance safety for pedestrians and motorists through this congested area. We have also received approval from Dodge County to reduce the speed from 55 MPH to 25 MPH in 10 MPH increments.

Updated Traffic Data (AADT):

Current Year: 300 (2007)

Design Year: 500 (2027)

Programmed Schedule:

P.E. *Authorized*

R/W: 2006

Construction: 2008

Revised Cost Estimates:

- | | |
|--|-----------------------|
| 1. Construction costs including inflation and E&C: | \$2,272,979.37 |
| 2. Right of Way Cost: | NA - No R/W required |
| 3. Utility Costs: | NA - No utility costs |

Is the project in a Non-Attainment area?

Yes

No

Recommendation:

This office recommends that this revision to the Project Concept Report be approved as written.

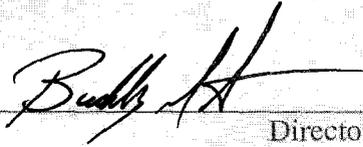
Attachments:

Sketch Map

Cost Estimate

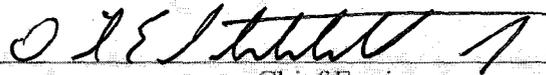
Approval letter from Dodge County to reduce Speed Limit

Concur:

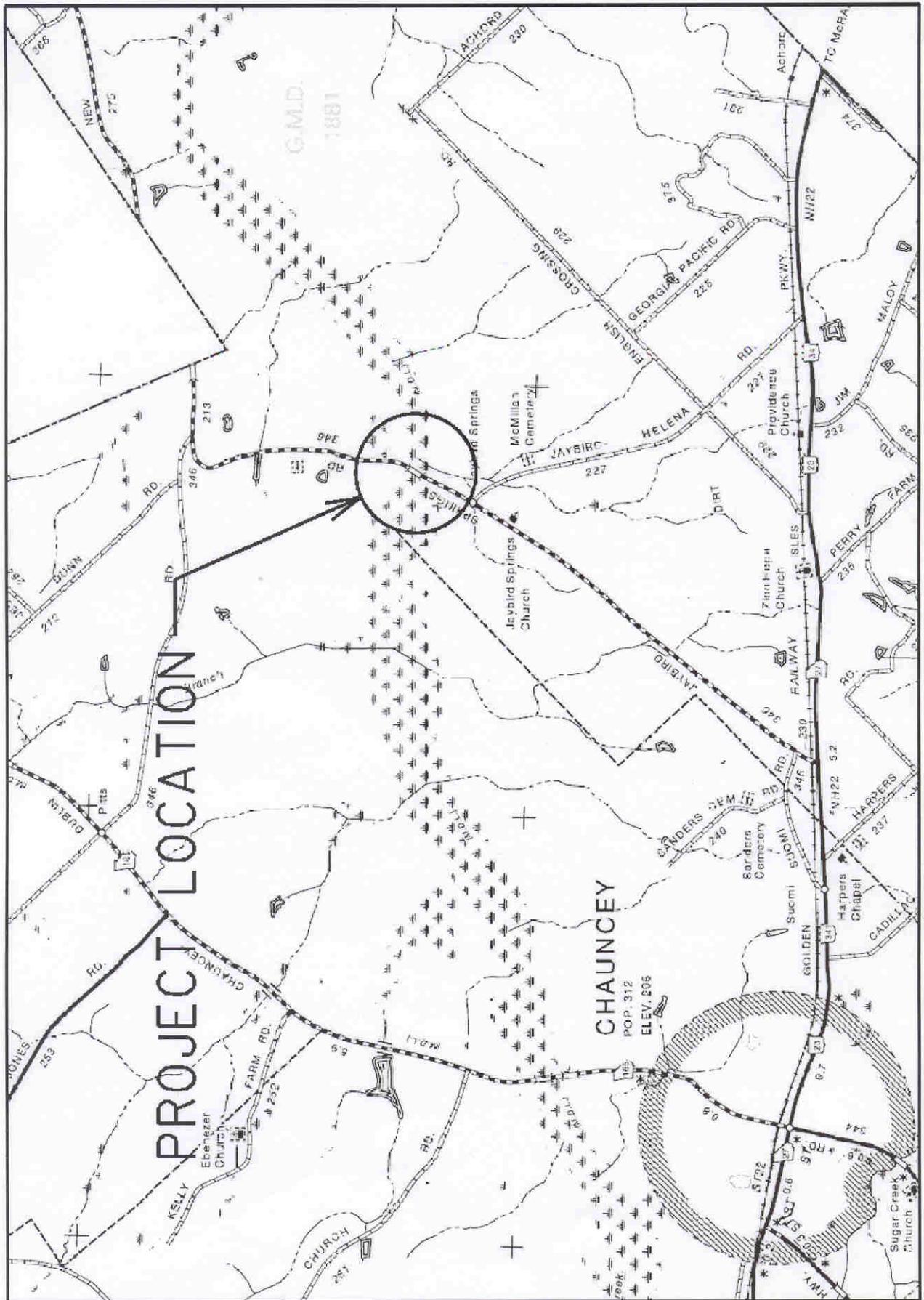


Director of Preconstruction

Approved:



Chief Engineer



Estimate Report for file "227_2006-05-31"

Section **** ROADWAY ****					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	Lump Sum	25000.00	TRAFFIC CONTROL-BR-0002-00(227)	25000.00
210-0100	1	Lump Sum	77000.00	GRADING COMPLETE-BR-0002-00(227)	77000.00
310-1101	1004	TN	15.68	GR AGGR BASE CRS, INCL MATL	15742.72
318-3000	50	TN	17.03	AGGR SURF CRS	851.50
402-1811	100	TN	49.57	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	4957.00
402-3140	239	TN	43.45	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	10384.55
402-3192	271	TN	52.16	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	14135.36
413-1000	97	GL	1.15	BITUM TACK COAT	111.55
433-1000	200	SY	138.48	REINF CONCRETE APPROACH SLAB	27696.00
446-1100	495	LF	5.58	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	2762.10
540-1101	1	LS	490050.00	REMOVAL OF EXISTING BR, STA NO -	490050.00
543-1100	1	LS	1170000.00	CONSTR OF BRIDGE - COMPLETE - TO BOTTOM OF CAP	1170000.00
641-1100	81	LF	31.47	GUARDRAIL, TP T	2549.07
641-1200	917	LF	14.47	GUARDRAIL, TP W	13268.99
641-5001	3	EA	501.14	GUARDRAIL ANCHOR, TP 1	1503.42
641-5012	3	EA	1596.05	GUARDRAIL ANCHOR, TP 12	4788.15
Section Sub Total:					\$1,860,800.41

Section **** EROSION CONTROL ****					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0240	19	TN	195.00	MULCH	3705.00
603-2181	423	SY	37.90	STN DUMPED RIP RAP, TP 3, 18 IN	16031.70
603-7000	423	SY	4.06	PLASTIC FILTER FABRIC	1717.38
700-6910	6	AC	799.17	PERMANENT GRASSING	4795.02
700-7000	12	TN	59.00	AGRICULTURAL LIME	708.00
700-7010	15	GL	18.92	LIQUID LIME	283.80
700-8000	7	TN	271.52	FERTILIZER MIXED GRADE	1900.64
700-8100	304	LB	1.60	FERTILIZER NITROGEN CONTENT	486.40
716-2000	1903	SY	1.06	EROSION CONTROL MATS, SLOPES	2017.18
Section Sub Total:					\$31,645.12

Section **** TEMPORARY EROSION CONTROL ****					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3	AC	475.29	TEMPORARY GRASSING	1425.87
163-0240	70	TN	195.00	MULCH	13650.00
163-0300	2	EA	1784.84	CONSTRUCTION EXIT	3569.68
163-0520	100	LF	12.98	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	1298.00
163-0530	2166	LF	2.83	CONSTR AND REMOVE BALED STRAW EROSION CHECK	6129.78
165-0030	2565	LF	1.22	MAINT OF TEMPORARY SILT FENCE, TP C	3129.30
165-0070	1083	LF	1.76	MAINTENANCE OF BALED STRAW EROSION CHECK	1906.08
165-0101	2	EA	459.51	MAINT OF CONSTRUCTION EXIT	919.02
167-1000	2	EA	1698.00	WATER QUALITY MONITORING AND SAMPLING	3396.00
167-1500	12	MO	874.52	WATER QUALITY INSPECTIONS	10494.24
171-0030	5129	LF	3.23	TEMPORARY SILT FENCE, TYPE C	16566.67
700-8000	1	TN	271.52	FERTILIZER MIXED GRADE	271.52
Section Sub Total:					\$62,756.16

Section **** SIGNS ****					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	18	SF	14.01	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	252.18

636-1031	73	SF	20.86	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	1522.78
636-2070	218	LF	7.12	GALV STEEL POSTS, TP 7	1552.16
652-5451	2480	LF	0.14	SOLID TRAFFIC STRIPE, 5 IN, WHITE	347.20
652-5452	683	LF	0.14	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	95.62
652-6502	1497	GLF	0.10	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	149.70
657-1054	1320	LF	3.53	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	4659.60
657-6054	502	LF	3.77	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1892.54
657-8054	818	GLF	2.78	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, YELLOW, TP PB	2274.04
Section Sub Total:					\$12,745.82

Total Estimated Cost: \$1,967,947.51

Subtotal Construction Cost	\$1,967,947.51
E&C Rate 10.0 %	\$196,794.75
Inflation Rate 5.0 % @ 1.0 Years	\$108,237.11
Total Construction Cost	\$2,272,979.37
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
Grand Total Project Cost	\$2,272,979.37



Department of Transportation

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EARL L. MAHFUZ
TREASURER
(404) 656-5224

April 26, 2006

Mrs. Kelly W. Bowen - County Administrator
Dodge County
P.O. Box 818
Eastman, Georgia 31023

Re: BR-0002-00 (227) Dodge County
P. I. No. 0002227
Bridge replacement on County Road 239 / Jaybird Springs Road over Gum Swamp Creek

Dear Mrs. Bowen:

The Department of Transportation is pleased to advise you that the above subject project intends to replace the structurally deficient bridge on CR 239 over Gum Swamp Creek. It has come to our attention that the posted speed limit in the area of Jaybird Springs recreational area is 15 MPH and the speed limit is not posted on either side of it making the speed for the rest of CR 239 55 MPH. The purpose of this letter is to request permission to reduce the speed limit on CR 239 from 55 MPH to 25 MPH through the area of Jaybird Springs. The speed limit would be dropped in increments of 10 MPH in accordance with current GDOT policy. Special signs would then be installed in the actual vicinity of the resort which indicate "RECREATIONAL AREA" with an advisory plate underneath them of 15 MPH. These signs would be constructed of highly reflective sheeting to warn approaching traffic of the pedestrian traffic crossing CR 239 in this area. Attached is a county map excerpt that defines the limits of the proposed speed zone change by milepost.

If you and the Dodge County Commissioners concur with this request, please sign this letter below and return it to this office for our files.

Kelly Bowen, County Manager
County Administrator

5-1-06