ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0006476, Dodge-Laurens Counties
CSSTP-0006-00(476)
Safety Enhancements on SR 117

OFFICE Preconstruction

DATE May 24, 2005

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

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Paul Liles
Babs Abubakari
Mike Thomas
BOARD MEMBER

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0006476, Dodge/Laurens Counties
CSSTP-0006-00(476)
Safety Enhancements on SR 117

OFFICE Preconstruction

DATE May 16, 2005

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

TO David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project consists of roadway safety improvements at 20 sites along SR 117 between the city of Eastman in Dodge County to SR 29/US 441 in Laurens County. The existing roadway consists of two, 12' travel lanes with rural shoulders. The horizontal and vertical alignment appear to meet current AASHTO guidelines; however, there are 20 areas that have side slopes that are steeper than 4:1 with fill heights that exceed 6' in height. Most of these areas are located near drainage structures where there is limited right-of-way. This route serves as a connecting corridor between the city of Dublin and the city of Eastman. The current capacity of the route is adequate to handle the traffic volumes predicted and the accident history does not indicate that additional lanes are needed.

The construction proposes safety enhancements including extensions of major structures, flattening slopes, and guardrail installations along SR 117 from the city of Eastman to SR 29/US 441 in Laurens County. Traffic will be maintained during construction.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing open house is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	$2,263,000	$2,263,000	Q21	Lump
Right-of-Way	$ 50,000	$ 50,000	Q21	Lump
Utilities	-----	-----		

I recommend this project concept be approved and alternative "A" be implemented.

MBP:JDQ/cj

Attachment

CONCUR _____
Buddy Gratton, P.E., Director of Preconstruction

APPROVE _____
David E. Studstill, Jr., P.E., Chief Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: *CSSTP-0006-00 (476)*
County: *Dodge - Laurens*
P. I. Number: *0006476*

Federal Route Number: *None*
State Route Number: 117
County Road Number: *None*

Recommendation for approval:

DATE 3-25-05 Douglas Alan Smith
Project Manager

DATE 3-25-05 Michael L Thomas
District Engineer

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

DATE _____ _____
State Transportation Planning Administrator

DATE _____ _____
State Transportation Programming Engineer

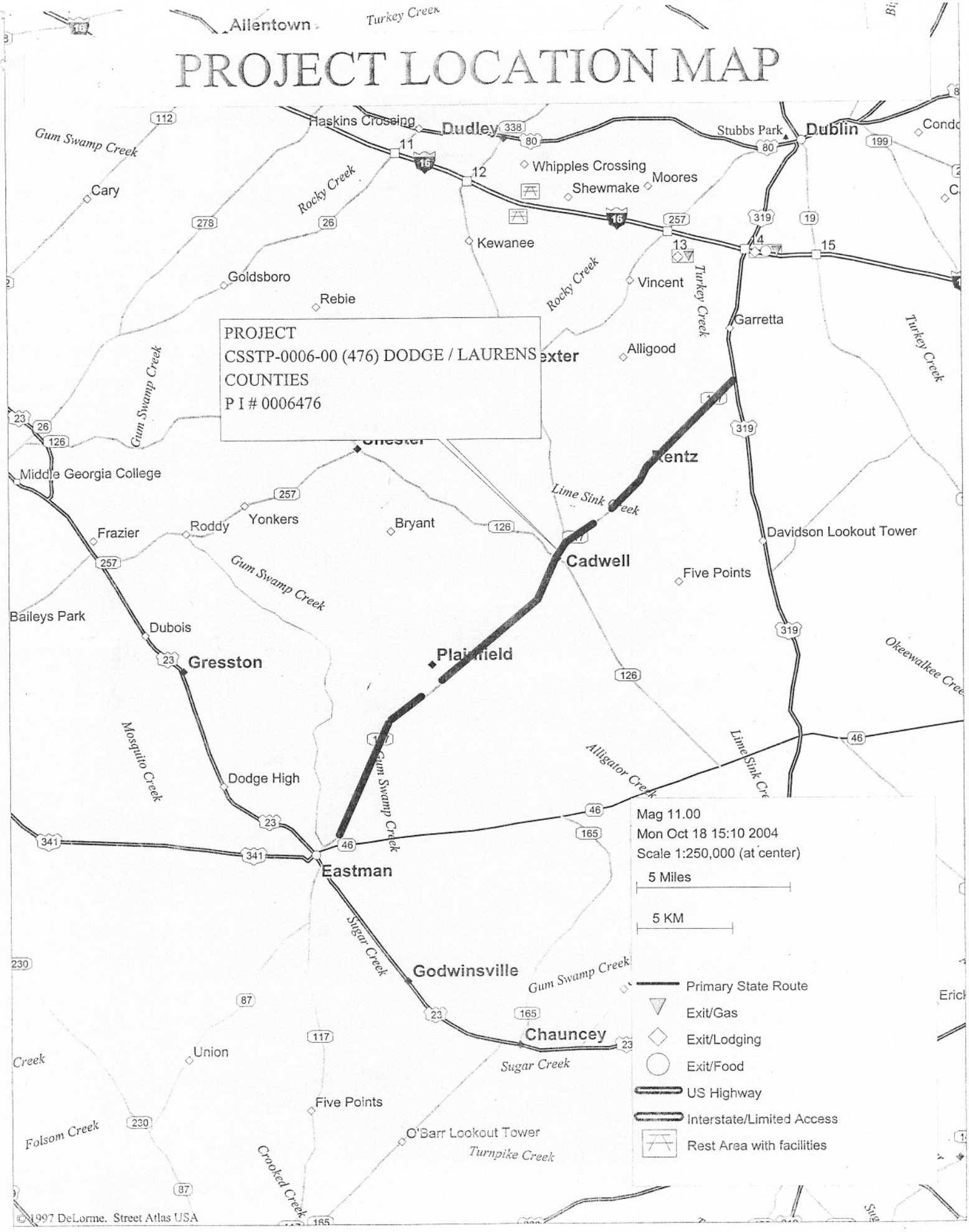
DATE _____ _____
State Environmental/Location Engineer

DATE _____ _____
State Traffic Safety and Design Engineer

DATE _____ _____
Project Review Engineer

DATE _____ _____
State Bridge & Structural Design Engineer

PROJECT LOCATION MAP



Need and Purpose: *See Attached Sheets*

Description of the proposed project: *Roadway safety improvements at various locations along S.R. 117 between the City of Eastman and S.R. 29 / U.S. 441 in Laurens County.*

Is the project located in a Non-attainment area? ☐ **Yes** ☒ **No**

PDP Classification:

Full Oversight ☐, Exempt ☒, State Funded ☐, or Other ☐

Functional Classification: *Rural Minor Arterial*

U. S. Route Number(s): *None* **State Route Number(s):** *117*
County Road Number(s): *None*

Traffic (AADT):

Current Year: *3300 (2009)* Design Year: 4600*(2029)*

Existing design features:

- Typical Section: *2 - 12 foot asphalt travel lanes with 5 foot grassed shoulders.*
- Posted speed: 55 MPH Maximum degree of curvature: *6 Degree*
- Maximum grade: 5%
- Width of right of way: *100 feet*
- Major structures: *Site # 2 - Triple 10'x10' Culvert, Site # 3 - Quadruple 10'x6' Culvert, Site # 5 - Triple 10'x5' Culvert, Site # 6 - Triple 10'x5' Culvert, Site # 9 - Triple 9'x8' Culvert, Site # 10 - Triple 10'x7' Culvert, Site # 15 - Triple 9'x6' Culvert, Site # 18 - Triple 9'x6' Culvert*
  Sufficiency Rating: NA
- Major interchanges or intersections along the project: *None*
- Existing length of roadway: *20.74 miles*

Proposed Design Features:

- Proposed typical section(s): *2 - 12 foot Asphalt travel lanes with 10 foot grassed shoulders (4 foot paved w/ rumble strips)(15.5' with guardrail)*
- Proposed Design Speed Mainline: *55 MPH*
- Proposed Maximum grade Mainline: *5%*
- Maximum grade allowable Mainline: *5%*
- Proposed Maximum grade Side Street: *7%*
- Maximum grade allowable on Side Streets: *7%*
- Proposed Maximum grade driveway: *N/A*
- Proposed Maximum degree of curve: *6 Degree*
- Maximum degree allowable: *6 Degree*
- Right of way
  - Width: 100 Feet
  - Easements: Temporary ☒, Permanent ☐, Utility ☐, Other ☐.
  - Type of access control: Full ☐, Partial ☐, By Permit ☒, Other ☐.
  - Number of parcels: *24* Number of displacements: *0*
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - Bridges: *None*
  - Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: *Traffic will be maintained on the existing route during construction.*
- Design Exceptions to controlling criteria anticipated:

	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	☐	☐	☒
ROADWAY WIDTH:	☐	☐	☒
SHOULDER WIDTH:	☐	☐	☒
VERTICAL GRADES:	☐	☐	☒
CROSS SLOPES:	☐	☐	☒
STOPPING SIGHT DISTANCE:	☐	☐	☒
SUPERELEVATION RATES:	☐	☐	☒
HORIZONTAL CLEARANCE:	☐	☐	☒
SPEED DESIGN:	☐	☐	☒
VERTICAL CLEARANCE:	☐	☐	☒
BRIDGE WIDTH:	☐	☐	☒
BRIDGE STRUCTURAL CAPACITY:	☐	☐	☒

- Design Variances: *None*
- Environmental concerns: *None*

- Anticipated Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ☒, No ☐,
  - Categorical exclusion ☐,
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ☐, or
  - Environmental Impact Statement (EIS) ☐.
- Utility involvements:
  - Telephone - *BellSouth Telecommunications, Inc.*
  - *Power – Georgia Power Company*
  - *Water – Town of Cadwell*
  - *Sewer – None*
  - *Gas – Atlanta Gas Light Company*
  - *Cable TV – None*

Project responsibilities:

- Design: *GDOT - District Two*
- Right of Way Acquisition: *GDOT - District Two*
- Relocation of Utilities: *GDOT - District Two*
- Letting to contract: *GDOT - Contracts Administration*
- Supervision of construction: *GDOT - Dublin Area Engineer's Office*
- Providing material pits: *In Contract*
- Providing detours: *In Contract*

Coordination

- Concept meeting date: *March 11, 2005*
- P. A. R. meetings: *N/A*
- FEMA, USCG, and/or TVA: *N/A*
- Public involvement: *N/A*
- Local government commitments: *The local governments will be sent a LGPA asking them to participate in any utility relocation costs.*
- Other projects in the area: *None*

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: *6 months*
- Time to complete preliminary construction plans: *6 months*
- Time to complete right of way plans: *3 months*
- Time to complete the Section 404 Permit: *1 year*
- Time to complete final construction plans: *6 months*
- Time to complete to purchase right of way: *6-9 months*

Other alternates considered:

1. *No Build*

AND ALT "A"

Comments: *This office recommends that this concept report be approved ~~for~~ implementation.*

Attachments:

1. Work Summary
2. Need & Purpose
3. Traffic Counts
4. Cost Estimates:
    a. Construction including E&C
    b. Utilities
5. Typical sections
6. Location and Design Notice

CSSTP-0006-00 (476) Dodge - Laurens County, P.I. # 0006476		
Site Number	**Description of Work - Alternate A**	**Description of Work - Alternate B**
1 (MP 20.32) Dodge	Extend the existing 30" and Dbl. 42" RCP and add Flared End Sections. Avoid installing guardrail by constructing 10'-0" shoulders and 4:1 side slopes to meet AASHTO clear zone requirements	Extend existing 30" and 42" pipes- Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - install W Beam Guardrail with Anchors.
2 (MP 20.69) Dodge	Extend the existing Triple 10'x10' Box Culvert and construct 15'-6" shoulders each side of S.R. 117. Construct 2:1 side slopes each side.	Same Concept
3 (MP 23.00) Dodge	Extend the existing Quadruple 10' x 6' concrete culvert and reconstruct shoulders to 10'-0" each side with 4:1 front slopes to meet AASHTO clear zone requirements to avoid installation of guardrail	Extend the existing Quad 10'x6' concrete bridge culvert and reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail with Anchors
4 (MP 24.20) Dodge	Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail with Anchors to current standard lengths for bridge approaches with 6" asphalt curb and conc flumes.	Same Concept
5 (MP 25.80) Dodge	Extend the existing Triple 10'x5' Bridge Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept
6 (MP 28.10) Dodge	Extend the existing Triple 10'x5' Bridge Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept
7 (M.P. 0.00) Laurens	Extend the existing Double 8'x8' Concrete Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept
8 (M.P. 0.10) Laurens	Extend existing Single 8'x8' Box Culvert structure - Avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend the existing Single 8'x8' Concrete Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors
9 (M.P. 1.20) Laurens	Extend the existing Triple 9'x8' Concrete Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept
10 (MP 1.60) Laurens	Extend the existing Triple 10'x7' Bridge Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept
11 (MP 1.90) Laurens	Extend existing Single 6'x5' Box Culvert structure - Avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend existing 6'x5' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - install W Beam Guardrail with Anchors.

12 (MP 2.26) Laurens	Extend existing Single 6'x5' Box Culvert structure - Avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend existing 6'x5' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - install W Beam Guardrail with Anchors.
13 (MP 2.80) Laurens	Extend the existing single 4'x4' Box Culvert and avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend existing 4'x4' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - install W Beam Guardrail with Anchors.
14 (MP 5.30) Laurens	Extend the existing Double 8'x6' Box Culvert - and avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend the existing Double 8'x6' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors
15 (MP 6.36) Laurens	Extend the existing Single 9'x5' Box Culvert - and avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend the existing Single 9'x5' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors
16 (MP 6.70) Laurens	Extend the existing Single 6'x4' Box Culvert and avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend existing 6'x4' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - install W Beam Guardrail with Anchors.
17 (MP 8.90) Laurens	Extend the existing Single 8'x6' Box Culvert and avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend the existing Single 8'x6' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors
18 (MP 9.60) Laurens	Extend the existing Triple 9'x6' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept
19 (MP 9.80) Laurens	Extend the existing Single 4'x4' Box Culvert - Avoid installing guardrail by reconstructing shoulders to 10'-0" with 4:1 front slopes to meet AASHTO Clear Zone requirements.	Extend existing 4'x4' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - install W Beam Guardrail with Anchors.
20 (MP 10.90) Laurens	Extend the existing Double 8'x6' Box Culvert - Reconstruct shoulders to 15'-6" each side with 2:1 side slopes - Install W Beam Guardrail and Anchors	Same Concept

Need and Purpose Statement

Project: CSSTP-0006-00 (476)
P.I. #: 0006476
Dodge - Laurens County
Safety Enhancements on SR 117 between Eastman and SR 29 / US 441

Location / Background:

This project consists of 20 sites along S.R. 117 between the City of Eastman in Dodge County to S.R. 29 / U.S. 441 in Laurens County. This project originated from the GDOT Office of Traffic Operations to improve the safety aspects of this route.

Functional Classification:

Rural Minor Arterial

Roadway Characteristics:

The existing roadway consists of 2-24 foot Asphaltic Concrete travel lanes with 6 foot grassed shoulders each side. Two foot of each shoulder is paved. The horizontal and vertical alignment appear to meet current AASHTO guidelines; however there are approximately 20 areas that have side slopes that are steeper than 4:1 with fill heights that exceed 6 feet in height. Most of these areas are located near drainage structures where there is limited right of way.

Travel Demand and Operational Conditions:

This route serves as a connecting corridor between the City of Dublin and the City of Eastman. The current capacity of the route is adequate to handle the traffic volumes predicted and the accident history does not indicate that additional lanes are needed.

Logical Termini:

All of the areas that need to be improved are located outside of the City of Eastman and the City of Dublin. These locations are scattered throughout the route between these two cities. Therefore, the logical termini has been established to be from the city limits of Eastman to S.R. 29 / U.S. 441, where S.R. 117 ends.

Project Need and Purpose:

The need exists to improve the safety for the travelling public along SR 117 by protecting or improving unrecoverable side slopes. The purpose of this project is to accomplish this task by installing guardrail at warranted areas at large drainage structures.

Department of Transportation
State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE CSSTP0006-00(476),
Dodge, Laurens Counties
P.I. # 0006476

OFFICE Environment/Location

DATE February 23, 2005

FROM Harvey Keepler, State Environment/Location Engineer

TO Michael L. Thomas, P.E., District Engineer
Attn. Alan Smith

SUBJECT Traffic Volume for SR 117 from Eastman City to SR 29/US 441 South of Dublin @ 17 Locations

Traffic Volume for the above project is attached below:

2004 ADT = 3000
2009 ADT = 3300
2029 ADT = 4600
D = 57%
K = 9%
T = 13%
24 HR. T. = 15%
S.U. = 6%
COMB. = 9%

If you have any questions concerning this information please contact Soli Shakshuki at (404) 699-4458

HDK/SMS

PROJECT COST ESTIMATE ALTERNATE "A"

CSSTP-0006-00 (476) DODGE – LAURENS COUNTIES, P.I. # 0006476

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	50000.00	TRAFFIC CONTROL - CSSTP-0006-00 (476)	50000.0
201-1500	1.00	LS	25000.00	CLEARING & GRUBBING - CSSTP-0006-00 (476)	25000.0
205-0001	10000.00	CY	3.36	UNCLASS EXCAV	33600.0
206-0002	40000.00	CY	4.96	BORROW EXCAV, INCL MATL	198400.0

Section Sub Total: $307,000.00

Section SITE # 1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1300	16.00	LF	42.61	STORM DRAIN PIPE, 30 IN, H 1-10	681.76
550-1420	32.00	LF	66.38	STORM DRAIN PIPE, 42 IN, H 1-10	2124.16
550-4230	2.00	EA	646.73	FLARED END SECTION 30 IN, STORM DRAIN	1293.46
550-4242	4.00	EA	1007.47	FLARED END SECTION 42 IN, STORM DRAIN	4029.88
603-2181	50.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	1802.0
603-7000	50.00	SY	3.96	PLASTIC FILTER FABRIC	198.0

Section Sub Total: $10,129.26

Section SITE # 2

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	38.00	CY	34.30	FOUND BKFILL MATL, TP II	1303.39
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	7.99	ASPHALTIC CONCRETE CURB - 6"	3395.75
500-3101	152.00	CY	415.22	CLASS A CONCRETE	63113.44
511-1000	12355.00	LB	0.62	BAR REINF STEEL	7660.1
603-2181	114.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	4108.55
603-6006	10.00	SY	45.95	SAND-CEMENT BAG RIP RAP, 6 IN	459.5
603-7000	114.00	SY	3.96	PLASTIC FILTER FABRIC	451.44
610-9099	2.00	LS	2212.99	REM WINGWALLS & PARAPETS, STA -	4425.98
641-1200	425.00	LF	11.01	GUARDRAIL, TP W	4679.25
641-5001	2.00	EA	420.48	GUARDRAIL ANCHORAGE, TP 1	840.96
641-5012	2.00	EA	1384.73	GUARDRAIL ANCHORAGE, TP 12	2769.46

Section Sub Total: $101,211.93

Section SITE # 3

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	50.00	CY	34.30	FOUND BKFILL MATL, TP II	1714.99
500-3101	176.00	CY	451.80	CLASS A CONCRETE	79516.8
511-1000	16318.00	LB	0.69	BAR REINF STEEL	11259.41
603-2181	150.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	5406.0
603-7000	150.00	SY	3.96	PLASTIC FILTER FABRIC	594.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $103,251.30

Section SITE # 4

Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	450.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3717.0
500-3101	23.00	CY	451.80	CLASS A CONCRETE	10391.4
511-1000	295.00	LB	0.69	BAR REINF STEEL	203.54
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
641-1100	84.00	LF	28.92	GUARDRAIL, TP T	2429.28
641-1200	325.00	LF	11.90	GUARDRAIL, TP W	3867.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $32,385.36

Section SITE # 5

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	85.00	CY	34.30	FOUND BKFILL MATL, TP II	2915.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	144.00	CY	451.80	CLASS A CONCRETE	65059.20
511-1000	12157.00	LB	0.69	BAR REINF STEEL	8388.33
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $105,467.74

Section SITE # 6

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	85.00	CY	34.30	FOUND BKFILL MATL, TP II	2915.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	144.00	CY	451.80	CLASS A CONCRETE	65059.20
511-1000	12157.00	LB	0.69	BAR REINF STEEL	8388.33
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $105,467.74

Section SITE # 7

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	85.00	CY	34.30	FOUND BKFILL MATL, TP II	2915.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	106.00	CY	451.80	CLASS A CONCRETE	47890.8
511-1000	9088.00	LB	0.69	BAR REINF STEEL	6270.71
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	100.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	425.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $86,168.23

Section SITE # 8

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	30.00	CY	34.30	FOUND BKFILL MATL, TP II	1029.0
500-3101	74.00	CY	451.80	CLASS A CONCRETE	33433.20
511-1000	8930.00	LB	0.69	BAR REINF STEEL	6161.7
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $49,383.98

Section SITE # 9

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	30.00	CY	34.30	FOUND BKFILL MATL, TP II	1029.0
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	134.00	CY	451.80	CLASS A CONCRETE	60541.20
511-1000	12193.00	LB	0.69	BAR REINF STEEL	8413.17
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $99,088.08

Section SITE # 10

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	32.00	CY	34.30	FOUND BKFILL MATL, TP II	1097.6
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	161.00	CY	451.80	CLASS A CONCRETE	72739.8
511-1000	13443.00	LB	0.69	BAR REINF STEEL	9275.67
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $112,217.78

Section SITE # 11

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	12.00	CY	34.30	FOUND BKFILL MATL, TP II	411.59
500-3101	41.00	CY	451.80	CLASS A CONCRETE	18523.8
511-1000	3901.00	LB	0.69	BAR REINF STEEL	2691.68
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $30,387.17

Section SITE # 12

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	12.00	CY	34.30	FOUND BKFILL MATL, TP II	411.59
500-3101	41.00	CY	451.80	CLASS A CONCRETE	18523.8
511-1000	3901.00	LB	0.69	BAR REINF STEEL	2691.68
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $30,387.17

Section SITE # 13

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	9.00	CY	34.30	FOUND BKFILL MATL, TP II	308.7
500-3101	28.00	CY	451.80	CLASS A CONCRETE	12650.4
511-1000	2887.00	LB	0.69	BAR REINF STEEL	1992.02
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $23,711.21

Section SITE # 14

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	27.00	CY	34.30	FOUND BKFILL MATL, TP II	926.09
500-3101	98.00	CY	451.80	CLASS A CONCRETE	44276.4
511-1000	9088.00	LB	0.69	BAR REINF STEEL	6270.71
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $60,233.30

Section SITE # 15

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	17.00	CY	34.30	FOUND BKFILL MATL, TP II	583.09
500-3101	54.00	CY	451.80	CLASS A CONCRETE	24397.2
511-1000	6069.00	LB	0.69	BAR REINF STEEL	4187.61
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $37,927.99

Section SITE # 16

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	12.00	CY	34.30	FOUND BKFILL MATL, TP II	411.59
500-3101	37.00	CY	451.80	CLASS A CONCRETE	16716.60
511-1000	3410.00	LB	0.69	BAR REINF STEEL	2352.89
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $28,241.18

Section SITE # 17

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	15.00	CY	34.30	FOUND BKFILL MATL, TP II	514.5
500-3101	56.00	CY	451.80	CLASS A CONCRETE	25300.8
511-1000	6709.00	LB	0.69	BAR REINF STEEL	4629.21
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $39,204.59

Section SITE # 18

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	30.00	CY	34.30	FOUND BKFILL MATL, TP II	1029.0
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	137.00	CY	451.80	CLASS A CONCRETE	61896.6
511-1000	11628.00	LB	0.69	BAR REINF STEEL	8023.32
603-2018	100.00	SY	35.93	STN DUMPED RIP RAP, TP 1, 18 IN	3593.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $100,042.63

Section SITE # 19

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	9.00	CY	34.30	FOUND BKFILL MATL, TP II	308.7
500-3101	28.00	CY	451.80	CLASS A CONCRETE	12650.4
511-1000	2887.00	LB	0.69	BAR REINF STEEL	1992.02
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08

Section Sub Total: $23,711.21

Section SITE # 20

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	15.00	CY	34.30	FOUND BKFILL MATL, TP II	514.5
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	98.00	CY	451.80	CLASS A CONCRETE	44276.4
511-1000	6873.00	LB	0.69	BAR REINF STEEL	4742.37
603-2018	100.00	SY	35.93	STN DUMPED RIP RAP, TP 1, 18 IN	3593.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $78,626.98

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	8.00	AC	447.96	TEMPORARY GRASSING	3583.68
163-0240	100.00	TN	193.21	MULCH	19321.0
163-0300	2.00	EA	1051.94	CONSTRUCTION EXIT	2103.88
163-0520	500.00	LF	11.77	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	5885.0
163-0530	6800.00	LF	2.20	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	14960.00
165-0030	3400.00	LF	1.23	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	4182.0
165-0070	3400.00	LF	1.21	MAINTENANCE OF BALED STRAW EROSION CHECK	4114.0
165-0101	2.00	EA	341.98	MAINTENANCE OF CONSTRUCTION EXIT	683.96
167-0100	6.00	MO	955.65	WATER QUALITY MONITORING	5733.9
167-0200	2.00	EA	58.24	WATER QUALITY SAMPLING	116.48
171-0030	6800.00	LF	3.11	TEMPORARY SILT FENCE, TYPE C	21148.0

Section Sub Total: $81,831.90

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	1000.00	SY	34.94	STN DUMPED RIP RAP, TP 3, 18 IN	34940.0
603-7000	1000.00	SY	3.51	PLASTIC FILTER FABRIC	3510.0
700-6910	8.00	AC	739.15	PERMANENT GRASSING	5913.2
700-7000	8.00	TN	59.55	AGRICULTURAL LIME	476.4
700-7010	20.00	GL	20.62	LIQUID LIME	412.40
700-8000	5.00	TN	234.39	FERTILIZER MIXED GRADE	1171.94
700-8100	200.00	LB	1.43	FERTILIZER NITROGEN CONTENT	286.0

Section Sub Total: $46,709.95

Total Estimated Cost: $1,692,786.68

Subtotal Construction Cost	**$1,692,786.68**
E&C Rate 10.0 %	$169,278.67
Inflation Rate 5.0 % @ 4.0 Years	$401,286.72
Total Construction Cost	**$2,263,352.07**
Right Of Way	$50,000.00
ReImb. Utilities	$0.00
Grand Total Project Cost	**$2,313,352.07**

PROJECT COST ESTIMATE ALTERNATE "B"

CSSTP-0006-00 (476) DODGE – LAURENS COUNTIES, P.I. 0006476

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	50000.00	TRAFFIC CONTROL - CSSTP-0006-00 (476)	50000.0
201-1500	1.00	LS	25000.00	CLEARING & GRUBBING - CSSTP-0006-00 (476)	25000.0
205-0001	10000.00	CY	3.36	UNCLASS EXCAV	33600.0
206-0002	35000.00	CY	4.96	BORROW EXCAV, INCL MATL	173600.0

Section Sub Total: $282,200.00

Section SITE # 1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
550-1300	16.00	LF	42.61	STORM DRAIN PIPE, 30 IN, H 1-10	681.76
550-1420	32.00	LF	66.38	STORM DRAIN PIPE, 42 IN, H 1-10	2124.16
550-4230	2.00	EA	646.73	FLARED END SECTION 30 IN, STORM DRAIN	1293.46
550-4242	4.00	EA	1007.47	FLARED END SECTION 42 IN, STORM DRAIN	4029.88
603-2181	50.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	1802.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	50.00	SY	3.96	PLASTIC FILTER FABRIC	198.0
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $30,473.89

Section SITE # 2

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	38.00	CY	34.30	FOUND BKFILL MATL, TP II	1303.39
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	7.99	ASPHALTIC CONCRETE CURB - 6"	3395.75
500-3101	152.00	CY	415.22	CLASS A CONCRETE	63113.44
511-1000	12355.00	LB	0.62	BAR REINF STEEL	7660.1
603-2181	114.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	4108.55
603-6006	10.00	SY	45.95	SAND-CEMENT BAG RIP RAP, 6 IN	459.5
603-7000	114.00	SY	3.96	PLASTIC FILTER FABRIC	451.44
610-9099	2.00	LS	2212.99	REM WINGWALLS & PARAPETS, STA -	4425.98
641-1200	425.00	LF	11.01	GUARDRAIL, TP W	4679.25
641-5001	2.00	EA	420.48	GUARDRAIL ANCHORAGE, TP 1	840.96
641-5012	2.00	EA	1384.73	GUARDRAIL ANCHORAGE, TP 12	2769.46

Section Sub Total: $101,211.93

Section SITE # 3

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	45.00	CY	34.30	FOUND BKFILL MATL, TP II	1543.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	51.00	GL	0.96	BITUM TACK COAT	48.96
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	169.00	CY	451.80	CLASS A CONCRETE	76354.2
511-1000	15890.00	LB	0.69	BAR REINF STEEL	10964.09
603-2181	150.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	5406.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	150.00	SY	3.96	PLASTIC FILTER FABRIC	594.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $119,957.87

Section SITE # 4

Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	450.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3717.0
500-3101	23.00	CY	451.80	CLASS A CONCRETE	10391.4
511-1000	295.00	LB	0.69	BAR REINF STEEL	203.54
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
641-1100	84.00	LF	28.92	GUARDRAIL, TP T	2429.28
641-1200	325.00	LF	11.90	GUARDRAIL, TP W	3867.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $32,385.36

Section SITE # 5

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	85.00	CY	34.30	FOUND BKFILL MATL, TP II	2915.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	144.00	CY	451.80	CLASS A CONCRETE	65059.20
511-1000	12157.00	LB	0.69	BAR REINF STEEL	8388.33
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $105,467.74

Section SITE # 6

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	85.00	CY	34.30	FOUND BKFILL MATL, TP II	2915.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	144.00	CY	451.80	CLASS A CONCRETE	65059.20
511-1000	12157.00	LB	0.69	BAR REINF STEEL	8388.33
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $105,467.74

Section SITE # 7

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	85.00	CY	34.30	FOUND BKFILL MATL, TP II	2915.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	106.00	CY	451.80	CLASS A CONCRETE	47890.8
511-1000	9088.00	LB	0.69	BAR REINF STEEL	6270.71
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	100.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	425.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $86,168.23

Section SITE # 8

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	25.00	CY	34.30	FOUND BKFILL MATL, TP II	857.49
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
500-3101	69.00	CY	451.80	CLASS A CONCRETE	31174.2
511-1000	8630.00	LB	0.69	BAR REINF STEEL	5954.7
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $67,580.61

Section SITE # 9

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	30.00	CY	34.30	FOUND BKFILL MATL, TP II	1029.0
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	134.00	CY	451.80	CLASS A CONCRETE	60541.20
511-1000	12193.00	LB	0.69	BAR REINF STEEL	8413.17
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $99,088.08

Section SITE # 10

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	32.00	CY	34.30	FOUND BKFILL MATL, TP II	1097.6
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	161.00	CY	451.80	CLASS A CONCRETE	72739.8
511-1000	13443.00	LB	0.69	BAR REINF STEEL	9275.67
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $112,217.78

Section SITE # 11

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	12.00	CY	34.30	FOUND BKFILL MATL, TP II	411.59
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	32.00	CY	451.80	CLASS A CONCRETE	14457.6
511-1000	2817.00	LB	0.69	BAR REINF STEEL	1943.72
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $45,917.64

Section SITE # 12

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	12.00	CY	34.30	FOUND BKFILL MATL, TP II	411.59
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	33.00	CY	451.80	CLASS A CONCRETE	14909.4
511-1000	2817.00	LB	0.69	BAR REINF STEEL	1943.72
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $46,369.44

Section SITE # 13

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	9.00	CY	34.30	FOUND BKFILL MATL, TP II	308.7
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	21.00	CY	451.80	CLASS A CONCRETE	9487.80
511-1000	2100.00	LB	0.69	BAR REINF STEEL	1449.0
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $40,350.21

Section SITE # 14

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	27.00	CY	34.30	FOUND BKFILL MATL, TP II	926.09
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	86.00	CY	451.80	CLASS A CONCRETE	38854.8
511-1000	8050.00	LB	0.69	BAR REINF STEEL	5554.5
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $74,440.11

Section SITE # 15

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	17.00	CY	34.30	FOUND BKFILL MATL, TP II	583.09
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	50.00	CY	451.80	CLASS A CONCRETE	22590.0
511-1000	5100.00	LB	0.69	BAR REINF STEEL	3518.99
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $55,796.81

Section SITE # 16

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	12.00	CY	34.30	FOUND BKFILL MATL, TP II	411.59
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	29.00	CY	451.80	CLASS A CONCRETE	13102.2
511-1000	3275.00	LB	0.69	BAR REINF STEEL	2259.75
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $44,878.26

Section SITE # 17

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	15.00	CY	34.30	FOUND BKFILL MATL, TP II	514.5
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	49.00	CY	451.80	CLASS A CONCRETE	22138.2
511-1000	5600.00	LB	0.69	BAR REINF STEEL	3863.99
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $55,621.41

Section SITE # 18

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	30.00	CY	34.30	FOUND BKFILL MATL, TP II	1029.0
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	137.00	CY	451.80	CLASS A CONCRETE	61896.6
511-1000	11628.00	LB	0.69	BAR REINF STEEL	8023.32
603-2018	100.00	SY	35.93	STN DUMPED RIP RAP, TP 1, 18 IN	3593.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $100,042.63

Section SITE # 19

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	9.00	CY	34.30	FOUND BKFILL MATL, TP II	308.7
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	22.00	CY	451.80	CLASS A CONCRETE	9939.6
511-1000	2775.00	LB	0.69	BAR REINF STEEL	1914.74
603-2181	100.00	SY	36.04	STN DUMPED RIP RAP, TP 3, 18 IN	3604.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $41,267.76

Section SITE # 20

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	15.00	CY	34.30	FOUND BKFILL MATL, TP II	514.5
310-1101	240.00	TN	13.82	GR AGGR BASE CRS, INCL MATL	3316.8
402-3131	51.00	TN	36.81	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL	1877.31
402-4514	81.00	TN	33.98	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	2752.37
413-1000	60.00	GL	0.96	BITUM TACK COAT	57.59
436-1000	425.00	LF	8.26	ASPHALTIC CONCRETE CURB -	3510.5
500-3101	98.00	CY	451.80	CLASS A CONCRETE	44276.4
511-1000	6873.00	LB	0.69	BAR REINF STEEL	4742.37
603-2018	100.00	SY	35.93	STN DUMPED RIP RAP, TP 1, 18 IN	3593.0
603-6006	10.00	SY	4.25	SAND-CEMENT BAG RIP RAP, 6 IN	42.5
603-7000	100.00	SY	3.96	PLASTIC FILTER FABRIC	396.0
610-9099	2.00	LS	2380.04	REM WINGWALLS & PARAPETS, STA -	4760.08
641-1200	425.00	LF	11.90	GUARDRAIL, TP W	5057.5
641-5001	2.00	EA	440.34	GUARDRAIL ANCHORAGE, TP 1	880.68
641-5012	2.00	EA	1424.68	GUARDRAIL ANCHORAGE, TP 12	2849.36

Section Sub Total: $78,626.98

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	8.00	AC	447.96	TEMPORARY GRASSING	3583.68
163-0240	100.00	TN	193.21	MULCH	19321.0
163-0300	2.00	EA	1051.94	CONSTRUCTION EXIT	2103.88
163-0520	500.00	LF	11.77	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	5885.0
163-0530	6800.00	LF	2.20	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	14960.00
165-0030	3400.00	LF	1.23	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	4182.0
165-0070	3400.00	LF	1.21	MAINTENANCE OF BALED STRAW EROSION CHECK	4114.0
165-0101	2.00	EA	341.98	MAINTENANCE OF CONSTRUCTION EXIT	683.96
167-0100	6.00	MO	955.65	WATER QUALITY MONITORING	5733.9
167-0200	2.00	EA	58.24	WATER QUALITY SAMPLING	116.48
171-0030	6800.00	LF	3.11	TEMPORARY SILT FENCE, TYPE C	21148.0

Section Sub Total: $81,831.90

Section EROSION CONTROL

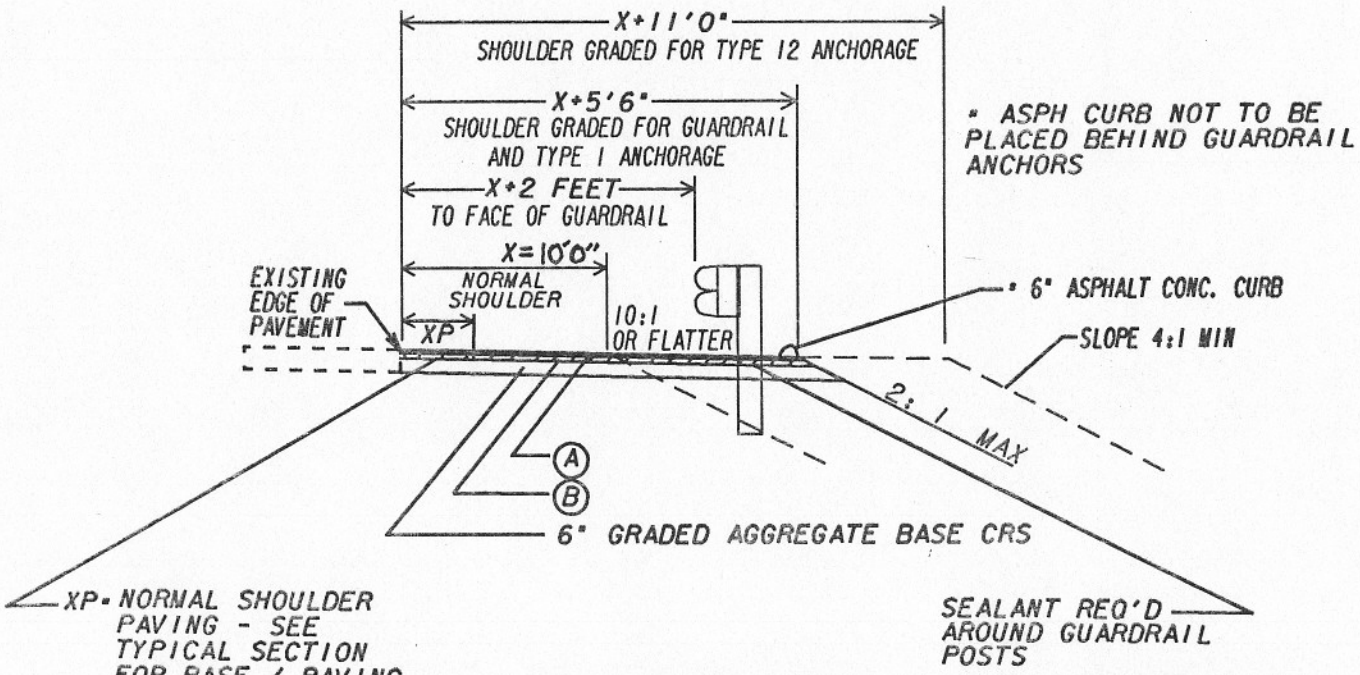
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	1000.00	SY	34.94	STN DUMPED RIP RAP, TP 3, 18 IN	34940.0
603-7000	1000.00	SY	3.51	PLASTIC FILTER FABRIC	3510.0
700-6910	8.00	AC	739.15	PERMANENT GRASSING	5913.2
700-7000	8.00	TN	59.55	AGRICULTURAL LIME	476.4
700-7010	20.00	GL	20.62	LIQUID LIME	412.40
700-8000	5.00	TN	234.39	FERTILIZER MIXED GRADE	1171.94
700-8100	200.00	LB	1.43	FERTILIZER NITROGEN CONTENT	286.0

Section Sub Total: $46,709.95

Total Estimated Cost: $1,854,072.33

Subtotal Construction Cost	**$1,854,072.33**
E&C Rate 10.0 %	$185,407.23
Inflation Rate 5.0 % @ 4.0 Years	$439,520.59
Total Construction Cost	**$2,479,000.16**
Right Of Way	$0.00
ReImb. Utilities	$0.00
Grand Total Project Cost	**$2,479,000.16**

TYPICAL SECTION



SHOULDER DETAIL FOR GUARDRAIL

SEE PLAN FOR LOCATION

(A) SAME AS TYPICAL SECTION, DESIGN MIX LEVEL A
(B) SAME AS TYPICAL SECTION, DESIGN MIX LEVEL A

NOTICE OF LOCATION AND DESIGN APPROVAL

CSSTP-0006-00 (476)
P.I. # 0006476

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

The date of location and design approval was May 24, 2005
Date of Approval

The project proposes to construct guardrail at various locations along S.R. 117 between the City of Eastman, Dodge County to S.R. 29 / U.S. 441 in Laurens County south of the City of Dublin.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation.

Scott Stephens
Scott.Stephens@dot.state.ga.us
4260 Frontage Road
Augusta, Georgia 30909

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:

GEORGE M. BREWER
PRECONSTRUCTION ENGINEER
P.O. BOX 8
TENNILLE, GEORGIA 31089
478-552-4629

Any written request or communication in reference to this project **SHOULD** include the Project and PI numbers as noted at the top of this notice.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: *CSSTP-0006-00 (476)*
County: *Dodge - Laurens*
P. I. Number: *0006476*

Federal Route Number: *None*
State Route Number: 117
County Road Number: *None*

Recommendation for approval:

DATE 3-25-05 Douglas Alan Smith
Project Manager

DATE 3-25-05 Michael L Thomas
District Engineer

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

DATE 3/31/05 Joseph P Allen
State Transportation Planning Administrator

DATE _____
State Transportation Programming Engineer

DATE _____
State Environmental/Location Engineer

DATE _____
State Traffic Safety and Design Engineer

DATE _____
Project Review Engineer

DATE _____
State Bridge & Structural Design Engineer

note: Two alt (Build) costed in report (A & B). Only alt considered other than build is no build." While alt A & B are nearly the same cost, which Build alt is selected to move forward? JM

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: CSSTP-0006-00(476), Dodge-Laurens County
P.I. No. 0006476

Office: Traffic Safety & Design
Atlanta, Georgia
Date: April 01, 2005

From: KG Keith Golden, P.E., State Traffic Safety and Design Engineer

To: Meg Pirkle, Assistant Director of Preconstruction

RECEIVED
APR - 8 2005

Subject: Project Concept Report Review

We have reviewed the above referenced concept report for the proposed safety enhancements projects along SR 117 in Laurens County.

The Office of Traffic Safety and Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area.

KG/SZ/nr

Attachment (signature page)

Cc: Harvey Keepler, State Environment /Location Engineer
Michael Thomas, District Engineer
Attn.: Alan Smith
Joe Palladi, State Transportation Planning Administrator
David Mulling, Project Review Engineer
Jamie Simpson, Financial Management Administrator
General Files
Office Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT

District Two Design Office

Project Number: *CSSTP-0006-00 (476)*
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P. I. Number: *0006476*

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State Route Number: 117
County Road Number: *None*

Recommendation for approval:

DATE 3-25-05 Douglas Alan Smith
Project Manager

DATE 3-25-05 Michael L Thomas
District Engineer

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

DATE _____ _____
State Transportation Planning Administrator

DATE _____ _____
State Transportation Programming Engineer

DATE _____ _____
State Environmental/Location Engineer

DATE 4-5-05 [signature]
State Traffic Safety and Design Engineer

DATE _____ _____
Project Review Engineer

DATE _____ _____
State Bridge & Structural Design Engineer