ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No 0008965 BARTOW (SITE 3)
P. I. No. 621710-, Bartow County
STP00-0012-01(087); CSSTP-0008-00(965)
SR 20 Passing Lanes

OFFICE Preconstruction

DATE April 21, 2008

FROM Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Dewayne Comer
Angela Alexander
Paul Liles
Kent Sager
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

RECEIVED
APR - 3 2008
PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE **STP00-0012-01(087) Bartow County**
P.I. No. 621710
SR 20 Passing Lanes

OFFICE Cartersville, Ga.

DATE March 18, 2008

FROM **Curtis D. Comer, P.E. Assistant District Engineer – District Six**

Curtis D. Comer

TO **Genetha Rice-Singleton, Assistant Director of Preconstruction**

SUBJECT **Revised Concept Report**

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

We request that the Concept Report for project STP00-0012-01(087) be revised to show the project termini beginning at Station 10+00, M.P. 17.64 and ending at Station 147+50 M.P. 20.24.

This new approach will construct Site 1 and Site 2 under Project STP00-0012-01 (087) Bartow P.I. No. 621710.Site 3 will be constructed under a future project to be programmed when this Revised Concept Report is approved. The limits of the proposed new project will be from Station 147+50, M.P. 20.24 to Station 233+50, M. P. 21.86.

These changes are necessary due to the funding shortfalls currently facing the Department. The need and purpose of the original Approved Concept Report States "With this amount of traffic, plus a quarry along this section of roadway, passing lane and truck climbing lanes are needed to offer passing relief." The Need and Purpose of this Revised Concept Report remains the same.

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

Date: 4/2/08

State Transportation Planning Administrator

Brian Summers, Project Review Engineer
Glen Bowman, State Environment/Location Engineer
Keith Golden, State traffic Safety and Design Engineer
Angela T. Alexander, State Transportation Planning Administrator
Jamie Simpson, State Transportation Financial Management Administrator
Paul Liles, State Bridge Design Engineer

REVISED PROJECT CONCEPT REPORT

STP00-0012-01(087) Bartow
P.I.No. 621710
Passing Lanes on SR 20

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

Need and Purpose
The need and purpose as stated in the approved Concept Report. "With this amount of traffic, plus a quarry along this section of roadway, passing lane and truck climbing lanes are needed to offer passing relief."**(This Need and Purpose was on the original concept from District Design)**

Project Location
This project proposes to construct passing lanes and truck climbing lanes from M.P. 17.8 to M.P. 21.95.

Description of the Approved Concept

Site #1 will provide an eastbound passing lane beginning at M.P. 17.80 and terminating as a right turn lane at M.P. 19.30 into the Vulcan Quarry entrance. Signing and Marking is to be included to delineate the right only movement. In the westbound direction, a climbing lane will be provided in within the same construction limits. The climbing lane will include upgrading the intersection at Rowland Springs Road to include turn lanes.

Site #2 will provide an eastbound climbing lane beginning at the Vulcan Quarry entrance at M.P. 19.30 and end at M.P. 20.75

Site #3 will provide a westbound passing lane from M.P. 20.75 to M.P. 21.95. This segment would also include improving the sight distance at Wilderness Camp Road/ CR 634 as well as providing a left turn lane and right turn lanes on SR 20, and left turn lanes on CR 634.

PDP Classification – Minor

Federal Oversight – Exempt

Functional Classification – Rural Minor Arterial

US Routes - None **State Route Number** – 20

Traffic (AADT) as shown in the approved concept

Current Year – 15,000 (2005) Design Year – 36000 (2025)

Proposed Feature to be Revised

We request that the Concept Report for project STP00-0012-01(087) be revised to show the project termini beginning at Station 10+00, M.P. 17.64 and ending at Station 147+50 M.P. 20.24.

This new approach will construct Site 1 and Site 2 under Project STP00-0012-01 (087) Bartow P.I. No. 621710. Site 3 will be constructed under a future project to be programmed when this Revised Concept Report is approved. The limits of the proposed new project will be from Station 147+50, M.P. 20.24 to Station 233+50, M. P. 21.86.

These changes are necessary due to the funding shortfalls currently facing the Department. The need and purpose of the original Approved Concept Report States "With this amount of traffic, plus a quarry along this section of roadway, passing lane and truck climbing lanes are needed to offer passing relief." The Need and Purpose of this Revised Concept Report remains the same.

Updated Traffic Data (AADT):

Current Year – 10,300 (2009) Design Year – 18,350 (2029)

Programmed Schedule

PE – Underway R/W – Complete Construction – June 2008
VE Study – Completed

Revised Cost Estimates: SITE 1 + 2 — PROPOSED NEW PROJECT SITE 3

1. Construction cost – With 10% E & C = $11,624,308.84 — $5,985,000
2. Right of Way - R/W is complete — -0-
3. Utilities = $1,288,000.00 —

Is the project located in a non attainment area? NO

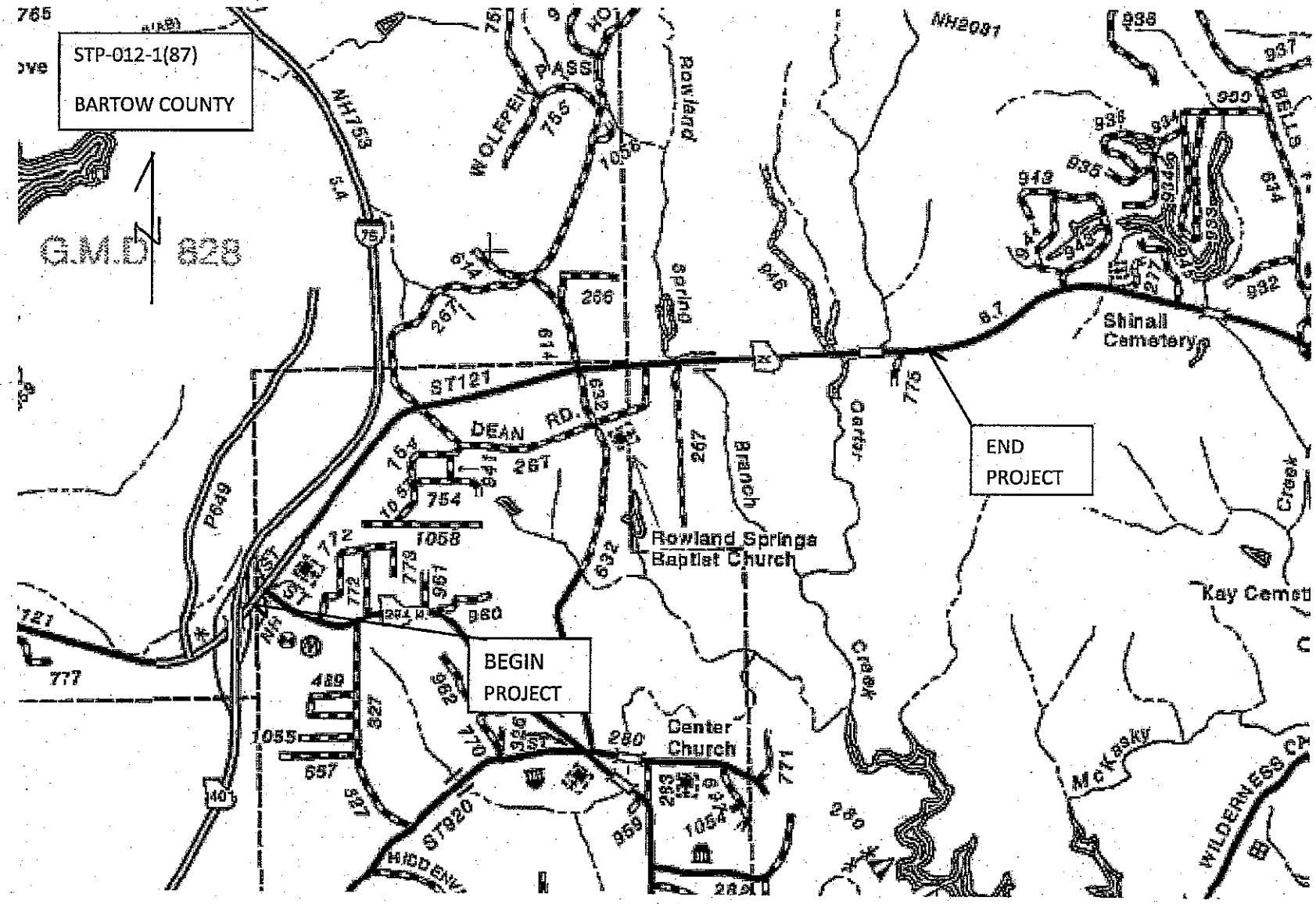
This office recommends that the proposed revision to the concept be approved for implementation. AND A NEW PROJECT # AND P.I. BE ASSIGNED TO SITE 3.

4/15/08

Attachments:
Sketch Map
Cost Estimates

Concur: _____
Director of Preconstruction

Approve: _____
Chief Engineer


STP-012-1(87)
BARTOW COUNTY
G.M.D. 828
END
PROJECT
BEGIN
PROJECT
Shinall
Cemetery
Rowland Springs
Baptist Church
Center
Church
Kay Cemet
DEAN RD.
ST121
ST920
NH753
NH2081
WOLFPEN PASS
Rowland
Spring
Branch
Center
Creek
McKasky
WILDERNESS CA
BELLS
P649

Estimate Report for file "621710 mp 17.64 to 20.24"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	172860.00	TRAFFIC CONTROL - STP-012-1(87)	172860.00
153-1300	1	EA	74663.84	FIELD ENGINEERS OFFICE TP 3	74663.84
201-1500	1	LS	158800.00	CLEARING & GRUBBING - STP-012-1(87)	158800.00
205-0001	160383	CY	5.66	UNCLASS EXCAV	907767.78
207-0203	98	CY	54.57	FOUND BKFILL MATL, TP II	5347.86
208-0200	1500	CY	30.05	ROCK EMBANKMENT	45075.00
310-1101	47885	TN	22.02	GR AGGR BASE CRS, INCL MATL	1054427.70
318-3000	1000	TN	23.74	AGGR SURF CRS	23740.00
402-1812	4200	TN	70.83	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	297486.00
402-3121	29655	TN	61.81	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1832975.55
402-3190	8650	TN	62.66	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	542009.00
402-4510	10085	TN	62.90	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	634346.50
413-1000	6755	GL	1.89	BITUM TACK COAT	12766.95
432-5010	2800	SY	4.08	MILL ASPH CONC PVMT, VARIABLE DEPTH	11424.00
441-0016	245	SY	39.85	DRIVEWAY CONCRETE, 6 IN TK	9763.25
441-0018	672	SY	53.77	DRIVEWAY CONCRETE, 8 IN TK	36133.44
441-0050	2	SY	52.61	CONC SLOPE DRAIN	105.22
441-0104	1700	SY	42.25	CONC SIDEWALK, 4 IN	71825.00
441-0108	90	SY	131.64	CONC SIDEWALK, 8 IN	11847.60
441-0303	1	EA	2243.97	CONC SPILLWAY, TP 3	2243.97
441-0748	79	SY	54.89	CONCRETE MEDIAN, 6 IN	4336.31
441-3999	2208	LF	23.14	CONCRETE V GUTTER	51093.12
441-4020	8	SY	41.46	CONC VALLEY GUTTER, 6 IN	331.68
441-4030	202	SY	54.12	CONC VALLEY GUTTER, 8 IN	10932.24
441-6222	2600	LF	19.10	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	49660.00
441-6740	780	LF	15.01	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	11707.80
444-1000	270	LF	7.80	SAWED JOINTS IN EXIST PAVEMENTS - PCC	2106.00
446-1100	27500	LF	2.71	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	74525.00
456-2015	5	GLM	882.13	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	4410.65
457-1010	1140	SY	6.38	GEOGRID REINFORCEMENT, TP B	7273.20
500-3101	526	CY	448.66	CLASS A CONCRETE	235995.16
500-3107	314	CY	757.31	CLASS A CONCRETE, RETAINING WALL	237795.34
500-3200	60	CY	399.76	CLASS B CONCRETE	23985.60
500-3201	166	CY	272.69	CLASS B CONCRETE, RETAINING WALL	45266.54
500-3800	13	CY	762.14	CLASS A CONCRETE, INCL REINF STEEL	9907.82
500-9999	60	CY	175.09	CLASS B CONC, BASE OR PVMT WIDENING	10505.40
511-1000	81246	LB	1.68	BAR REINF STEEL	136493.28
515-2020	311	LF	35.29	GALV STEEL PIPE HANDRAIL, 2 IN, ROUND	10975.19
530-0105	29	SY	4.46	WATERPROOFING	129.34
550-1180	2070	LF	45.35	STORM DRAIN PIPE, 18 IN, H 1-10	93874.50
550-1240	190	LF	50.46	STORM DRAIN PIPE, 24 IN, H 1-10	9587.40
550-1300	72	LF	68.25	STORM DRAIN PIPE, 30 IN, H 1-10	4914.00
550-1362	124	LF	84.23	STORM DRAIN PIPE, 36 IN, H 15-20	10444.52
550-1420	32	LF	110.02	STORM DRAIN PIPE, 42 IN, H 1-10	3520.64
550-1480	100	LF	127.17	STORM DRAIN PIPE, 48 IN, H 1-10	12717.00
550-2150	250	LF	30.00	SIDE DRAIN PIPE, 15 IN, H 1-10	7500.00
550-2180	1134	LF	29.93	SIDE DRAIN PIPE, 18 IN, H 1-10	33940.62
550-3318	14	EA	618.09	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	8653.26
550-3418	46	EA	611.36	SAFETY END SECTION 18 IN, SIDE DRAIN, 4:1 SLOPE	28122.56
550-4218	11	EA	656.46	FLARED END SECTION 18 IN, STORM DRAIN	7221.06
550-4224	5	EA	772.69	FLARED END SECTION 24 IN, STORM DRAIN	3863.45
550-4230	3	EA	945.17	FLARED END SECTION 30 IN, STORM DRAIN	2835.51
550-4236	1	EA	1227.31	FLARED END SECTION 36 IN, STORM DRAIN	1227.31
573-2006	27500	LF	19.00	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	522500.00
600-0001	76	CY	173.60	FLOWABLE FILL	13193.60
603-6006	17	SY	88.68	SAND-CEMENT BAG RIP RAP, 6 IN	1507.56

610-9008	1	LS	3400.00	REM PORTIONS OF EXISTING CLVT, INCL WINGWALLS & PARAPETS, STA - 101+95	3400.00
610-9008	1	LS	3400.00	REM PORTIONS OF EXISTING CLVT, INCL WINGWALLS & PARAPETS, STA -125+98	3400.00
610-9099	1	LS	5043.49	REM WINGWALLS & PARAPETS, STA - 133+94	5043.49
615-1000	74	LF	383.27	JACK OR BORE PIPE - STEEL, 18" DIA 16 mm THK	28361.98
615-1000	80	LF	377.13	JACK OR BORE PIPE - STEEL, 36" DIA 16 mm THK	30170.40
620-0100	2610	LF	30.94	TEMPORARY BARRIER, METHOD NO. 1	80753.40
621-4020	255	LF	313.84	CONCRETE SIDE BARRIER, TYPE 2	80029.20
621-4021	688	LF	417.15	CONCRETE SIDE BARRIER, TYPE 2A	286999.20
621-4022	390	LF	562.96	CONCRETE SIDE BARRIER, TYPE 2B	219554.40
621-4023	155	LF	778.79	CONCRETE SIDE BARRIER, TYPE 2C	120712.45
627-1000	859	SF	53.25	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 09	45741.75
627-1000	654	SF	53.25	MSE WALL FACE, 0 - 10 FT HT, WALL NO - 08	34825.50
627-1010	4433	SF	54.35	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 09	240933.55
627-1010	1345	SF	54.35	MSE WALL FACE, 10 - 20 FT HT, WALL NO - 08	73100.75
627-1140	200	LF	250.00	TRAFFIC BARRIER V, WALL NO - 08	50000.00
627-1140	520	LF	250.00	TRAFFIC BARRIER V, WALL NO - 09	130000.00
627-1180	723	CY	205.99	ADDITIONAL MSE BACKFILL	148930.77
634-1200	183	EA	103.44	RIGHT OF WAY MARKERS	18929.52
636-1020	171	SF	14.92	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	2551.32
636-1033	197	SF	19.09	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	3760.73
636-2070	725	LF	8.07	GALV STEEL POSTS, TP 7	5850.75
641-1100	185	LF	44.34	GUARDRAIL, TP T	8202.90
641-1200	6213	LF	15.62	GUARDRAIL, TP W	97047.06
641-5001	25	EA	626.15	GUARDRAIL ANCHORAGE, TP 1	15653.75
641-5012	18	EA	1816.20	GUARDRAIL ANCHORAGE, TP 12	32691.60
643-0010	100	LF	4.81	FIELD FENCE WOVEN WIRE	481.00
643-0105	475	LF	4.26	FIELD FENCE BARBED WIRE, 5 STRANDS	2023.50
643-1152	325	LF	17.28	CH LK FENCE, ZC COAT, 6 FT, 9 GA	5616.00
643-8000	1	EA	511.84	GATE, FIELD FENCE - PARCEL 13	511.84
643-8010	1	EA	813.40	GATE, CHAIN LINK ZC COAT - PARCEL 1	813.40
643-8200	1020	LF	3.00	BARRIER FENCE (ORANGE), 4 FT	3060.00
650-1100	3	EA	14001.54	IMPACT ATTENUATOR UNIT (CRASH COMPRESSION CUSHION) TYPE P- 3-S-48	42004.62
650-1200	10	ea	20000.00	IMPACT ATTENUATOR UNIT, (COMPRESSION CRASH CUSHION) TYPE T-3-B-30	200000.00
653-0120	84	EA	73.05	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	6136.20
653-1704	395	LF	4.09	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	1615.55
653-1804	2425	LF	2.13	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	5165.25
653-2501	7	LM	1347.86	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	9435.02
653-2502	9	LM	1369.33	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	12323.97
653-4501	5	GLM	896.46	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	4482.30
653-6004	895	SY	3.00	THERMOPLASTIC TRAF STRIPING, WHITE	2685.00
653-6006	6285	SY	2.94	THERMOPLASTIC TRAF STRIPING, YELLOW	18477.90
654-1001	615	EA	3.10	RAISED PVMT MARKERS TP 1	1906.50
654-1003	925	EA	3.82	RAISED PVMT MARKERS TP 3	3533.50
654-1010	10	EA	38.35	RAISED PVMT MARKERS TP 10	383.50
668-1100	9	EA	2841.82	CATCH BASIN, GP 1	25576.38
668-2100	4	EA	3166.71	DROP INLET, GP 1	12666.84
668-2200	14	EA	5086.22	DROP INLET, GP 2	71207.08
668-2210	1	LF	379.64	DROP INLET, GP 2, ADDL DEPTH	379.64
668-4300	6	EA	2562.98	STORM SEWER MANHOLE, TP 1	15377.88
668-4311	4	LF	319.12	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	1276.48
668-4312	23	LF	280.62	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 2	6454.26
668-4313	25	LF	250.36	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 3	6259.00
668-5000	2	EA	2349.76	JUNCTION BOX	4699.52

668-6000	1	EA	1644.14	SPRING BOX	1644.14
702-0520	20	EA	135.00	JUNIPERUS VIRGINIANA - BRODIE RED CEDAR	2700.00
702-1030	175	EA	9.57	SALIX NIGRA - Live Willow Stakes	1674.75
				Section Sub Total:	**$9,835,876.81**

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2012	2400	SY	40.88	STN DUMPED RIP RAP, TP 1, 12 IN	98112.00
603-2180	50	SY	46.28	STN DUMPED RIP RAP, TP 3, 12 IN	2314.00
603-7000	2500	SY	5.12	PLASTIC FILTER FABRIC	12800.00
700-6910	68	AC	1078.25	PERMANENT GRASSING	73321.00
700-7000	202	TN	59.52	AGRICULTURAL LIME	12023.04
700-7010	169	GL	21.50	LIQUID LIME	3633.50
700-8000	61	TN	291.86	FERTILIZER MIXED GRADE	17803.46
700-8100	3373	LB	2.51	FERTILIZER NITROGEN CONTENT	8466.23
700-9300	705	SY	5.12	SOD	3609.60
702-7401	10	EA	17.00	LIVE WILLOW CUTTINGS AND PLANTING	170.00
710-9000	650	SY	4.71	PERMANENT SOIL REINFORCING MAT	3061.50
713-0300	2060	SY	1.73	COCONUT FIBER BLANKET, WATERWAYS	3563.80
716-2000	97000	SY	1.23	EROSION CONTROL MATS, SLOPES	119310.00
				Section Sub Total:	**$358,188.13**

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	34	AC	740.04	TEMPORARY GRASSING	25161.36
163-0240	675	TN	181.75	MULCH	122681.25
163-0300	5	EA	1732.59	CONSTRUCTION EXIT	8662.95
163-0501	1	EA	805.21	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	805.21
163-0503	30	EA	534.99	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	16049.70
163-0520	3000	LF	17.33	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	51990.00
163-0522	63	EA	98.93	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE A SILT FENCE	6232.59
163-0523	63	EA	144.62	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE C SILT FENCE	9111.06
163-0524	63	EA	316.74	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - STONE PLAIN RIP RAP/SAND BAGS	19954.62
163-0530	5000	LF	4.26	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	21300.00
163-0531	1	EA	8389.30	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 100+50	8389.30
163-0550	11	EA	271.46	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	2986.06
165-0010	5500	LF	0.80	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	4400.00
165-0030	2500	LF	1.58	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	3950.00
165-0040	218	EA	100.99	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	22015.82
165-0060	1	EA	1359.35	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 100+50	1359.35
165-0070	5750	LF	1.80	MAINTENANCE OF BALED STRAW EROSION CHECK	10350.00
165-0085	1	EA	187.69	MAINTENANCE OF SILT CONTROL GATE, TP 1	187.69
165-0087	30	EA	143.94	MAINTENANCE OF SILT CONTROL GATE, TP 3	4318.20
165-0101	5	EA	573.85	MAINTENANCE OF CONSTRUCTION EXIT	2869.25
167-1000	2	EA	1135.73	WATER QUALITY MONITORING AND SAMPLING	2271.46
167-1500	24	MO	935.32	WATER QUALITY INSPECTIONS	22447.68
171-0010	1100	LF	1.65	TEMPORARY SILT FENCE, TYPE A	1815.00
171-0030	1100	LF	3.80	TEMPORARY SILT FENCE, TYPE C	4180.00
				Section Sub Total:	**$373,488.55**

Total Estimated Cost: $10,567,553.49

Subtotal Construction Cost	**$10,567,553.49**
E&C Rate 10 %	$1,056,755.35
Inflation Rate 0.0 % @ 0.0 Years	$0.00
Total Construction Cost	**$11,624,308.84**
Right Of Way	$0.00
ReImb. Utilities	$1,288,000.00
Grand Total Project Cost	**$12,912,308.84**

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-012-1(87)
Bartow County
SR 20 Passing Lanes
P.I. 621710

OFFICE Cartersville

DATE May 23, 2005

FROM Kerry D. Bonner
District Utilities Engineer

TO DeWayne Comer
District Pre-Construction Engineer

ATTN David Moore
District Road Design Engineer

SUBJECT PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON-REIMBURSABLE	REIMBURSABLE	LOCAL GOVT. COST
			REVISED REIM.
Adelphia	$95,433.98		
BellSouth		$282,579.81	283K
Bartow County Water	$389,070.00		930K
Georgia Power		$1,112.396.70	
Cartersville Gas	$75,000.00		75K
Totals	$559,503.98	$1,394,976.50	1,288,000.00

Total Preliminary Utility Cost Estimate $1,954,480.40

If you have any questions, please contact Stanley Horton at 770-387-3616.

KDB/lsh

C: Jeff Baker, State Utilities Engineer;
James Thomason, Area Engineer
File