

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. Nos. 621440- / 621445-, Bartow County **OFFICE** Preconstruction
STP-179-1(10) / BHF-179-1(11)
SR 113 Widening and Reconstruction and **DATE** March 13, 2007
Bridge Replacement over Raccoon Creek

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

TO *rs* SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Angela Alexander (file copy)
Babs Abubakari
Kent Sager
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: STP-179-1(10) and BHF-179-1(11)
Bartow County
P.I. Nos. 621440 and 621445

OFFICE: Atlanta, Georgia
DATE: March 1, 2007



FROM: Mohammed (Babs) Abubakari, P.E.
State Consultant Design and Program Delivery Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: The proposed project would widen and reconstruct the existing SR 113 2-lane roadway to a 4-lane facility from CR 26/31 in Stilesboro to approximately 640' west of CR 23/Richland Drive (just east of CR 25) and would replace the existing bridge over Raccoon Creek. Project BHF-179-1(11) would construct a new parallel bridge over Raccoon Creek. Project stp-179-1(10) is approximately 2.8 miles in length, beginning at approximately mile log 3.9 and ending at approximately mile log 6.7. The project is located in Bartow County beginning at Stilesboro and ending approximately 1.3 miles southwest of the City limits of Cartersville at SR 61.

The proposed typical section is a rural 4-lane roadway section divided by a 44' depressed grass median with 12' lanes and 10' outside shoulders of which 6.5' will be paved and designated as a bike route. Right turn lanes will be provided at all side roads. The proposed bridges over Raccoon Creek will be 200' in length and will each have two 12' lanes, a 4' inside shoulder and 10' outside shoulder. Bioretention basins will also be constructed on the south side of SR 113 at Raccoon Creek on either side of the bridge as recommended by the USFWS.

Concept Approval Date: May 7, 1991

Concept Update: Revised – August 16, 2006

Environmental Assessment and Reassessment Approval Date: June 30, 2003

Public Involvement:

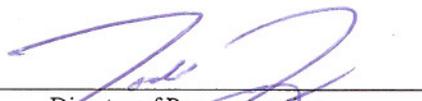
• **Hearing Results:**

- A location and design public hearing was held for the proposed project on June 26, 1991 from 4:00 p.m. to 7:00 p.m. at the Civic Center in Rockmart, Georgia. The major concerns summarized from the comments include:
 1. Project need is not justified.
 2. Many property related concerns, i.e. having to relocate, project taking too much right-of-way, restricted access, etc.
 3. Most of the comments from the Stilesboro area requested the new location section be changed to follow the existing alignment (a total of 14 requests).
 4. A petition containing 16 signatures was received from residents along SR 113 between Richland Creek and SR 61 opposing the widening of SR 113 from Richland Creek to SR 61.
- In summary, there were 68 opposing comments including 1 petition containing 16 signatures, 61 comments in general support of the project, 2 comments uncommitted and 19 conditional comments.
- A total of 150 comments were received.
- The total number of attendees including public officials was 272 people.
- There have been no changes made to the design as a result of the comments received.

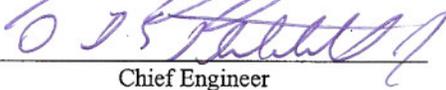
Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: It is recommended that the location and design for the above mentioned project be approved and that the attached notice be approved for advertising.

RECOMMEND: _____


Director of Preconstruction

APPROVE: _____


Chief Engineer

3/12/07
Date of Approval

Attachments:

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval

NOTICE OF LOCATION AND DESIGN APPROVAL

STP-179-1(10) and BHF-179-1(11) Bartow County P.I. Nos. 621440 and 621445

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is MARCH 13, 2007.

This project is the reconstruction and widening of SR 113 from Stilesboro to just east of CR 25. It is located in southern Bartow County and within Land Districts No. 4 and 17.

The proposed project would reconstruct and widen the existing SR 113 2-lane roadway to a 4-lane facility from CR 31 in Stilesboro to approximately 640' west of CR 23/Richland Drive and would replace the existing bridge over Raccoon Creek. Project BHF-179-1(11) would construct a new parallel bridge over Raccoon Creek. Project STP-179-1(10) is approximately 2.8 miles in length, beginning at approximately mile log 3.9 and ending at approximately mile log 6.7.

The proposed typical section is a rural 4-lane roadway section divided by a 44' depressed grass median with 12' lanes and 10' outside shoulders of which 6.5' will be paved and designated as a bike route. Right turn lanes will be provided at all side roads. The proposed bridges over Raccoon Creek will be 200' in length and will each have two 12' lanes, a 4' inside shoulder and 10' outside shoulder.

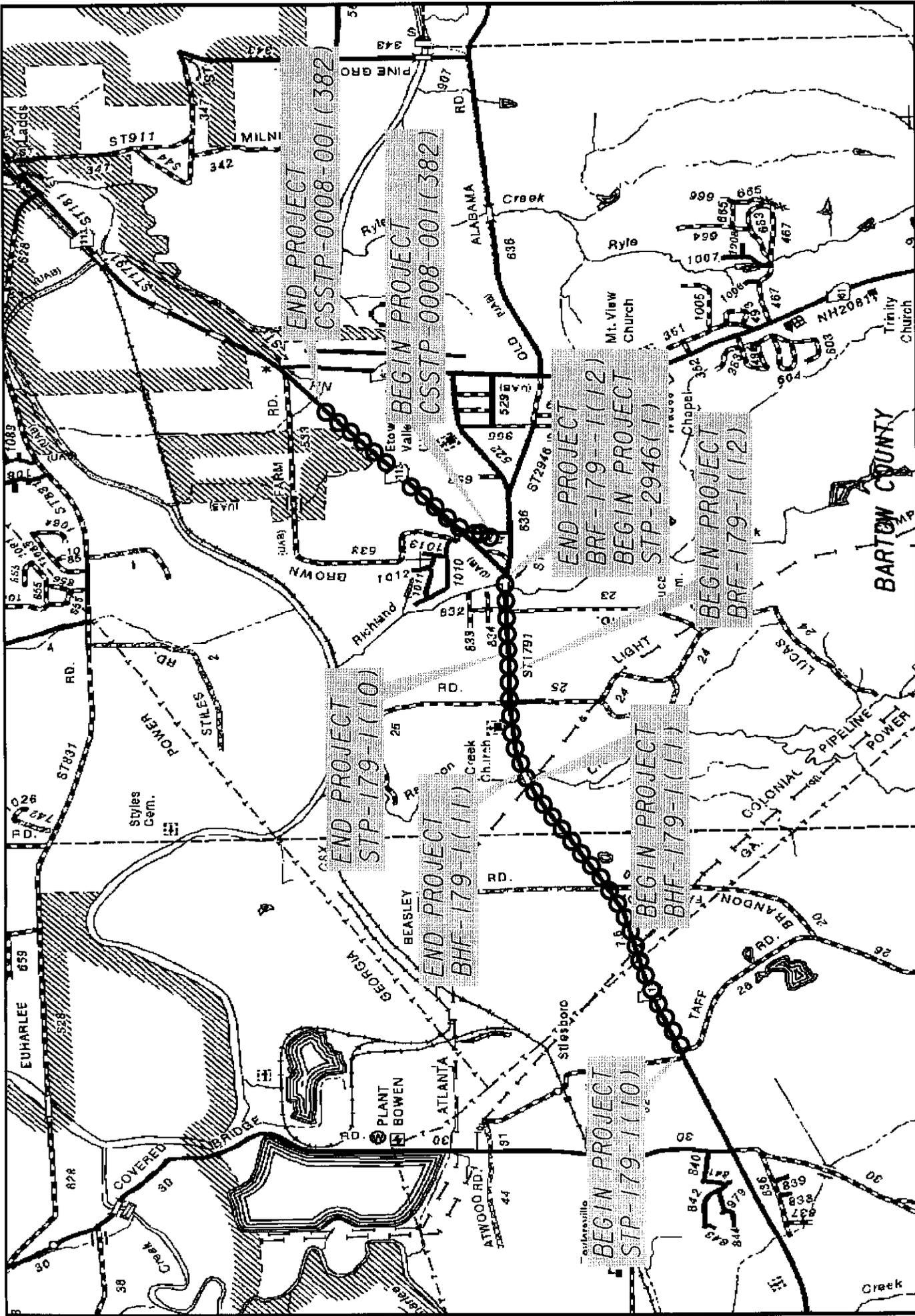
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Mike Thomason
Mike.Thomason@dot.state.ga.us
874 Peoples Valley Road, N.W.
Cartersville, GA 30120
(770) 387-3680

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:

Babs Abubakari
Babs.Abubakari@dot.state.ga.us
Georgia Department of Transportation
No. 2 Capitol Square, SW
Room 433
Atlanta, GA 30342
(404) 463-6133

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.



PROJECTS' LOCATIONS
STP-179-1(10), BHF-179-1(11), BRF-179-1(12) AND CSSTP-0008-001(382)

Estimate Report for file "621440 Phase 2_2006-11-02"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	949348.00	TRAFFIC CONTROL -	949348.00
153-1300	1	EA	63032.17	FIELD ENGINEERS OFFICE TP 3	63032.17
201-1500	1	LS	900000.00	CLEARING & GRUBBING -	900000.00
205-0001	224800	CY	4.34	UNCLASS EXCAV	975632.00
310-1101	72000	TN	15.89	GR AGGR BASE CRS, INCL MATL	1144080.00
402-3110	200	TN	51.34	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	10268.00
402-3121	37000	TN	71.84	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2658080.00
402-3130	9500	TN	69.60	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	661200.00
402-3190	12600	TN	80.15	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1009890.00
413-1000	11800	GL	1.95	BITUM TACK COAT	23010.00
433-1000	552	SY	132.83	REINF CONC APPROACH SLAB	73322.16
441-6022	770	LF	17.04	CONC CURB & GUTTER, 6 IN X 30 IN, TP 2	13120.80
456-2015	5	GLM	769.38	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	3846.90
641-1200	3300	LF	15.98	GUARDRAIL, TP W	52734.00
641-5001	6	EA	545.44	GUARDRAIL ANCHORAGE, TP 1	3272.64
641-5012	9	EA	1709.56	GUARDRAIL ANCHORAGE, TP 12	15386.04
Section Sub Total:					\$8,556,222.71

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	280	CY	525.43	CLASS A CONCRETE	147120.40
511-1000	29000	LB	0.86	BAR REINF STEEL	24940.00
550-1180	3000	LF	36.04	STORM DRAIN PIPE, 18 IN, H 1-10	108120.00
550-1240	71	LF	44.11	STORM DRAIN PIPE, 24 IN, H 1-10	3131.81
550-1300	370	LF	54.14	STORM DRAIN PIPE, 30 IN, H 1-10	20031.80
550-1360	150	LF	65.87	STORM DRAIN PIPE, 36 IN, H 1-10	9880.50
550-2180	900	LF	26.65	SIDE DRAIN PIPE, 18 IN, H 1-10	23985.00
550-2240	310	LF	31.03	SIDE DRAIN PIPE, 24 IN, H 1-10	9619.30
550-2300	110	LF	36.80	SIDE DRAIN PIPE, 30 IN, H 1-10	4048.00
550-2360	62	LF	47.29	SIDE DRAIN PIPE, 36 IN, H 1-10	2931.98
550-3518	49	EA	606.72	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	29729.28
550-3524	11	EA	989.84	SAFETY END SECTION 24 IN, STORM DRAIN, 6:1 SLOPE	10888.24
550-3530	8	EA	1543.55	SAFETY END SECTION 30 IN, STORM DRAIN, 6:1 SLOPE	12348.40
550-3636	4	EA	2367.93	SAFETY END SECTION 36 IN, SIDE DRAIN, 6:1 SLOPE	9471.72
550-4118	5	EA	305.30	FLARED END SECTION 18 IN, SIDE DRAIN	1526.50
668-1100	3	EA	1926.10	CATCH BASIN, GP 1	5778.30
668-1110	6	LF	209.16	CATCH BASIN, GP 1, ADDL DEPTH	1254.96
668-2100	30	EA	3588.45	DROP INLET, GP 1	107653.50
668-2105	3	EA	3595.64	DROP INLET, GP 1, SPCL DES	10786.92
668-2110	25	LF	254.90	DROP INLET, GP 1, ADDL DEPTH	6372.50
Section Sub Total:					\$549,619.11

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	22	AC	528.69	TEMPORARY GRASSING	11631.18
163-0240	780	TN	204.01	MULCH	159127.80
163-0300	14	EA	1821.70	CONSTRUCTION EXIT	25503.80
163-0521	160	EA	165.14	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	26422.40
163-0550	40	EA	265.59	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	10623.60
165-0010	17000	LF	1.00	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	17000.00
165-0030	1100	LF	1.32	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1452.00
165-0040	160	EA	70.92	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	11347.20
165-0101	14	EA	487.95	MAINTENANCE OF CONSTRUCTION EXIT	6831.30
165-0105	40	EA	94.46	MAINTENANCE OF INLET SEDIMENT TRAP	3778.40
167-1000	3	EA	1484.51	WATER QUALITY MONITORING AND SAMPLING	4453.53

167-1500	18	MO	916.55	WATER QUALITY INSPECTIONS	16497.90
171-0010	17000	LF	1.81	TEMPORARY SILT FENCE, TYPE A	30770.00
171-0030	1100	LF	3.31	TEMPORARY SILT FENCE, TYPE C	3641.00
318-3000	1000	TN	16.76	AGGR SURF CRS	16760.00
Section Sub Total:					\$345,840.11

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2012	530	SY	27.63	STN DUMPED RIP RAP, TP 1, 12 IN	14643.90
603-7000	530	SY	4.30	PLASTIC FILTER FABRIC	2279.00
700-6910	43	AC	839.48	PERMANENT GRASSING	36097.64
700-7000	85	TN	59.73	AGRICULTURAL LIME	5077.05
700-7010	110	GL	18.67	LIQUID LIME	2053.70
700-8000	43	TN	293.11	FERTILIZER MIXED GRADE	12603.73
700-8100	2200	LB	1.70	FERTILIZER NITROGEN CONTENT	3740.00
710-9000	26000	SY	3.68	PERMANENT SOIL REINFORCING MAT	95680.00
Section Sub Total:					\$172,175.02

Section SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	350	SF	14.45	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	5057.50
636-1029	90	SF	17.98	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	1618.20
636-1031	210	SF	21.20	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	4452.00
636-2070	1000	LF	7.49	GALV STEEL POSTS, TP 7	7490.00
636-2080	240	LF	9.47	GALV STEEL POSTS, TP 8	2272.80
636-3010	12	EA	371.36	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	4456.32
652-0094	27	EA	39.20	PAVEMENT MARKING, SYMBOL, TP 4	1058.40
652-0110	26	EA	38.96	PAVEMENT MARKING, ARROW, TP 1	1012.96
652-0120	44	EA	39.71	PAVEMENT MARKING, ARROW, TP 2	1747.24
652-5301	5430	LF	0.17	SOLID TRAF STRIPE, 6 IN, WHITE	923.10
652-5701	114	LF	2.66	SOLID TRAF STRIPE, 24 IN, WHITE	303.24
652-6301	3050	GLF	0.17	SKIP TRAF STRIPE, 6 IN, WHITE	518.50
652-6501	30140	GLF	0.18	SKIP TRAFFIC STRIPE, 5 IN, WHITE	5425.20
652-9001	6350	SY	1.92	TRAFFIC STRIPE, WHITE	12192.00
652-9002	130	SY	1.83	TRAFFIC STRIPE, YELLOW	237.90
653-1501	32560	LF	0.30	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	9768.00
653-1502	32030	LF	0.30	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	9609.00
Section Sub Total:					\$68,142.36

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	800	SY	4.32	GROOVED CONCRETE	3456.00
500-1006	261	LS	882.33	SUPERSTR CONCRETE, CL AA, BR NO -	230288.13
500-2100	400	LF	43.90	CONCRETE BARRIER	17560.00
500-3101	93	CY	525.43	CLASS A CONCRETE	48864.99
507-9001	540	LF	98.37	PSC BEAMS, AASHTO TYPE I, BR NO -	53119.80
507-9030	660	LF	172.35	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO -	113751.00
511-1000	13889	LB	0.86	BAR REINF STEEL	11944.54
511-3000	58725	LS	0.86	SUPERSTR REINF STEEL, BR NO -	50503.50
520-0573	16	EA	169.04	H-PILE POINTS, HP 14 X 73	2704.64
520-1147	640	LF	48.06	PILING IN PLACE, STEEL H, HP 14 X 73	30758.40
520-4147	1	EA	21.98	LOAD TEST, STEEL H, HP 14 X 73	21.98
540-1102	1	LS	148029.31	REMOVAL OF EXISTING BR, BR NO -	148029.31
603-2024	780	SY	46.76	STN DUMPED RIP RAP, TP 1, 24 IN	36472.80
603-7000	780	SY	4.30	PLASTIC FILTER FABRIC	3354.00
Section Sub Total:					\$750,829.09

Total Estimated Cost: \$10,442,828.40

Subtotal Construction Cost \$10,442,828.40

E&C Rate 10.0 % \$1,044,282.84

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$11,487,111.24

Right Of Way \$2,802,348.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$14,289,459.24

Estimate Report for file "621445_2006-11-02"

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	800	SY	4.32	GROOVED CONCRETE	3456.00
500-1006	261	LS	882.33	SUPERSTR CONCRETE, CL AA, BR NO -	230288.13
500-2100	400	LF	43.90	CONCRETE BARRIER	17560.00
500-3101	92	CY	525.43	CLASS A CONCRETE	48339.56
507-9001	540	LF	98.37	PSC BEAMS, AASHTO TYPE I, BR NO -	53119.80
507-9030	660	LF	172.35	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO -	113751.00
511-1000	13889	LB	0.86	BAR REINF STEEL	11944.54
511-3000	58725	LS	0.86	SUPERSTR REINF STEEL, BR NO -	50503.50
520-0573	16	EA	169.04	H-PILE POINTS, HP 14 X 73	2704.64
520-1147	640	LF	48.06	PILING IN PLACE, STEEL H, HP 14 X 73	30758.40
603-2024	780	SY	46.76	STN DUMPED RIP RAP, TP 1, 24 IN	36472.80
603-7000	780	SY	4.30	PLASTIC FILTER FABRIC	3354.00
Section Sub Total:					\$602,252.37

Total Estimated Cost: \$602,252.37

Subtotal Construction Cost \$602,252.37

E&C Rate 10.0 % \$60,225.24

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$662,477.61

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$662,477.61