

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. Nos. 621440-, 621445-, 621760-, Bartow County **OFFICE** Preconstruction
STP-179-1(10), BHF-179-1(11), BRF-179-1(12)
SR 113 Widening and Reconstruction (Including Bridges) **DATE** August 16, 2006

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

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
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DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

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FILE STP-179-1(10), BHF-179-1(11), & BRF-179-1(12) **OFFICE** Atlanta, Georgia
Bartow County
P.I. No's. 621440, 621445, & 621760 **DATE** July 19, 2006
Widening/Reconstruction SR 113 from CR 31 to SR 61
Includes bridges at Raccoon and Richland Creeks

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

TO Meg Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT REVISED PROJECT 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).

Listed below are the proposed revisions to the current concept:

- Project BRF-179-1(12) costs.
- Project BHF-179-1(11) costs.
- Project STP-179-1(10) costs and request to break project into two separate projects. Detailed within the Revised Concept new limits are proposed as Phase I from Old Alabama/SR 113 Relocation Connector to SR 61, and Phase II from CR 31 to Richland Creek at Old Alabama/SR 113 Relocation. Project lengths would be 1.0 and 2.9 miles respectively.

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

Date 8/9/06


State Transportation Planning Administrator

MBA:MAH:RR

Attachment

REVISED PROJECT CONCEPT REPORT

PROJECT STP-179-1(10), BHF-179-1(11), & BRF-179-1(12) BARTOW COUNTY P. I. NO'S. 621440, 621445, & 621760

Need and Purpose: (Original) The purpose of these projects is to upgrade the SR 113 corridor by increasing capacity between Rockmart in Polk County and Cartersville in Bartow County, and diverting truck traffic around Cartersville.

The SR 113 corridor between Rockmart and Cartersville has an overall length of 21.8 miles. The typical section is 24 feet of pavement with four foot grassed shoulders. The majority of this corridor is primarily rural-agriculture in nature, with the exception of Cartersville and Rockmart.

Traffic in the SR 113 corridor between Rockmart and Cartersville varies from 4,000 vehicles per day (VPD) near Taylorsville, to 6,100 VPD in Stilesboro, to 16,900 VPD in Cartersville to 8,000 VPD west of I-75. Peak travel periods are from 7 to 8 a.m. and from 4 to 5 p.m., with the am traffic being the heaviest. Heavy trucks make up 7.5 to 8.0 percent of the average daily traffic at the Cartersville end of the SR 113 corridor

The proposed projects will include; widening and reconstruction of two bridges (those over Dry Creek and Raccoon Creek), widening and reconstruction of SR 113 from CR 433 (Rockmart Bypass) to Richland Creek (near the CR 636 intersection with SR 113), and relocation from near the Richland Creek bridge to I-75 at the Emerson exit. These six projects will help ease traffic congestion due to new development and the increased truck traffic north of SR 61 south in Cartersville, and the relocation of SR 113 will allow approximately 600-700 truck trips per day to be diverted around Cartersville. The projects for relocation of SR 113 between Richland Creek and I-75 at the Emerson Exit (along CR 636) and for improving the bridges over the Dry Creek and Raccoon Creeks were recommended in a Plan Development Bureau report dated January 1989.

Other related projects within this corridor are improvements of the bridges over Hills Creek and Richland Creek, both of which are programmed for Fiscal Year 2002. The Proposed Outer Loop will intersect the SR 113 corridor south of Taylorsville in Polk County.

Project Location: Project STP-179-1(10) widens a 4.5 mile section of SR 113 from CR 31 in Stilesboro northeast to SR 61 near the Cartersville Airport. Project BHF-179-1(11) proposes to reconstruct/rehabilitate the existing bridge over Raccoon Creek (sufficiency rating 41.0). Project BRF-179-1(12) proposes to replace the existing bridge over Richland Creek (sufficiency rating 23.4), add parallel bridge, and add minimal 4-lane roadway to attain guardrail and superelevation transition warrant length.

Description of the approved concepts:

- Project BRF-179-1(12) is proposed to replace the existing bridge (sufficiency rating 23.4), but also build a parallel bridge over Richland Creek. This project will also build a full 4-lane roadway from the bridges west to attain full guardrail warrant length and superelevation transition, then transition back to the existing 2-lane, with a project length of 0.6 miles. The alignment ties into Project STP-2946(1), PI No. 621410, Old Alabama Road/SR 113 Relocation on the east side. Project BRF-179-1(12) is currently proposed to be awarded to construction with Project STP-2946(1), because of staging requirements.
- Project BHF-179-1(11) is proposed to replace the existing bridge over Raccoon Creek (sufficiency rating 41.0).

- Project STP-179-1(10) is proposed to build a new 4-lane roadway from CR 31 to Richland Creek at Old Alabama/SR 113 Relocation, parallel bridge at Raccoon Creek, with BRF-179-1(12) and a portion of Project STP-2946(1) being treated as an exception in project length. Project STP-179-1(10) will also complete the 4-lane widening (old SR 113) from the Old Alabama/SR 113 Relocation northeastward into Cartersville ending at SR 61, for approximate new lengths of 2.9 and 1.0 miles respectively. Existing 2-lane is now proposed to be totally replaced on both sections.

PDP Classification:

Full Oversight (), Exempt (X), SF (), Other ()

Functional Classification: Rural Arterial

U.S. Route Number(s): N/A **State Route Number(s):** 113

Traffic (AADT) as shown in the previous revised concept :

Current Year: (2007) 16,600 Design Year: (2027) 31700

Proposed features to be revised: The features from the previously approved concept being revised are the projects' scope and request to separate Project STP-179-1(10) into two separate projects. In this Report those two projects are referred to as Phase I, and Phase II. Phase I is proposed to be a new 4-lane roadway (old SR 113) from the Old Alabama/SR 113 Relocation northeastward into Cartersville ending at SR 61, for approximate length 1.0 miles. Phase II is proposed to be a new 4-lane roadway from CR 31 to Richland Creek at Old Alabama/SR 113 Relocation and parallel bridge at Raccoon Creek. The reason requesting a new project designation is to allow the Phase I project to possibly be awarded independently or with BRF-179-1(12) and STP-2946(1). This will eliminate a possible short gap in the old SR 113 between Projects STP-2946(1), Old Alabama/SR 113 Relocation, and Project STP-018-1(56).

Describe the revised feature(s) to be approved:

- Project BRF-179-1(12), no changes.
- Project BHF-179-1(11), no changes.
- Project STP-179-1(10) is requested to be separated into two projects. The two sections are from CR 31 to Richland Creek at Old Alabama/SR 113 Relocation and from the Old Alabama/SR 113 Relocation Connector northeastward into Cartersville ending at SR 61, for approximate new lengths of 2.9 and 1.0 miles respectively.

Updated traffic data (AADT):

Current Year: (2007) 16,600 Design Year: (2027) 31,700

Programmed/Schedule:

STP-179-1(10)		
P.E: <u>1998</u>	R/W: <u>2007</u>	Construction: <u>2008</u>
BHF-179-1(11)		
P.E: <u>1993</u>	R/W: <u>N/A</u>	Construction: <u>2008</u>
BRF-179-1(12)		
P.E: <u>1993</u>	R/W: <u>2007</u>	Construction: <u>2008</u>

Requested Schedule:

Schedule BHF-179-1(11) with Phase II; Phase I with BRF-179-1(12)

Revised cost estimates:

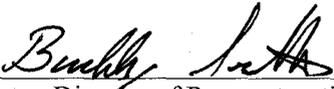
1. Construction cost including E&C,
2. Right-of-Way – use current programmed cost, prorated
3. Utilities – update requested

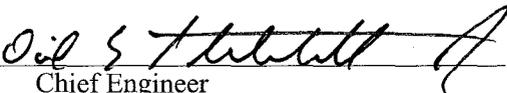
Is the project located in a Non-attainment area? Yes No

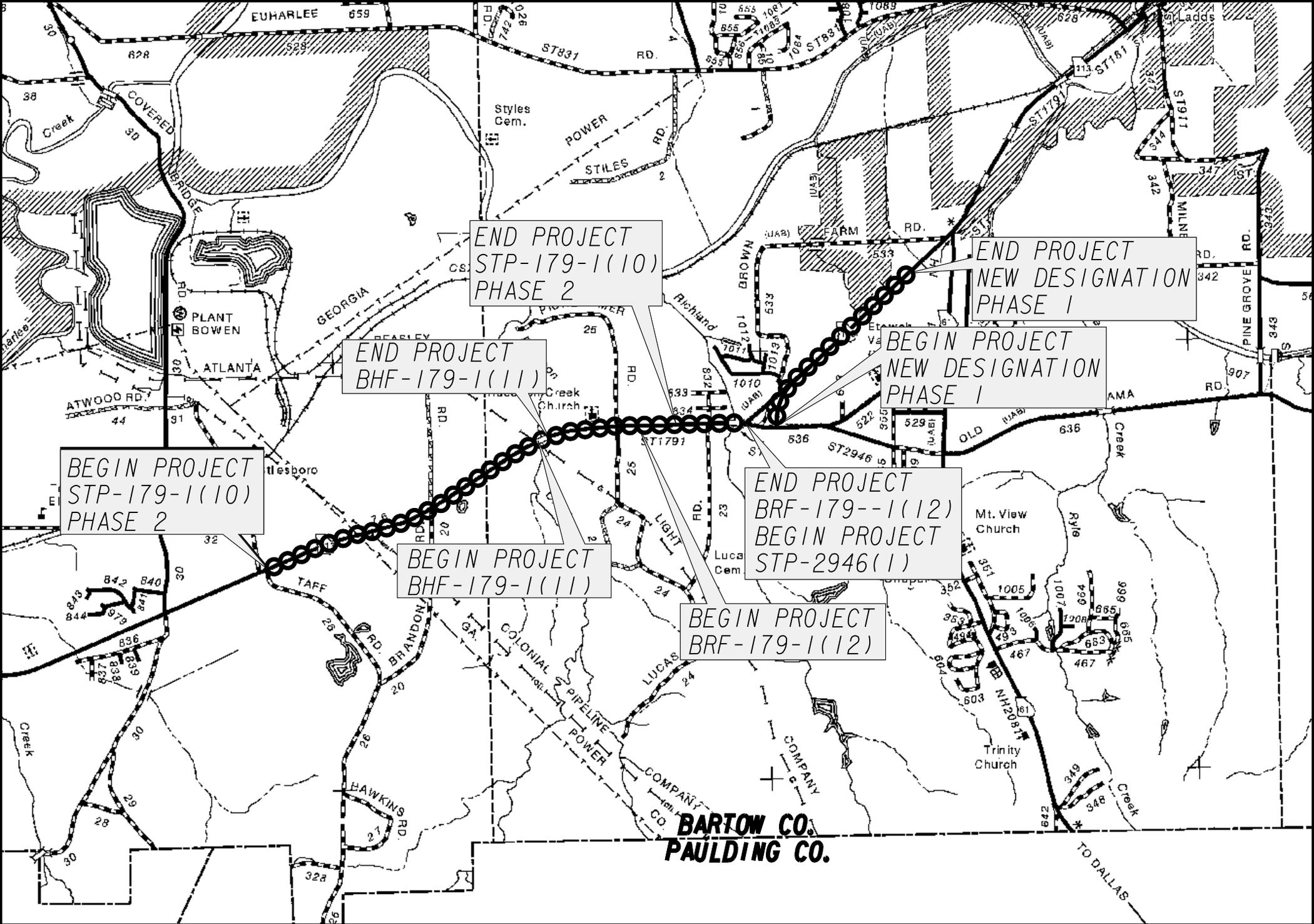
Recommendation: It is recommended that the proposed revision to the concept be approved for implementation.

Attachments:

1. Location Map
2. Cost Estimates – STP-179-1(10) PH. I & PH. II, BRF-179-1(12), BHF-179-1(11)
3. Revision to Programmed Cost – BHF-179-1(11)
4. Revision to Programmed Cost – BRF-179-1(12)

Concur:  9/15/06
Director of Preconstruction Date

Approve:  9/16/06
Chief Engineer Date



END PROJECT
STP-179-1(10)
PHASE 2

END PROJECT
NEW DESIGNATION
PHASE 1

END PROJECT
BHF-179-1(11)

BEGIN PROJECT
NEW DESIGNATION
PHASE 1

BEGIN PROJECT
STP-179-1(10)
PHASE 2

BEGIN PROJECT
BHF-179-1(11)

END PROJECT
BRF-179-1(12)
BEGIN PROJECT
STP-2946(1)

BEGIN PROJECT
BRF-179-1(12)

**BARTOW CO.
PAULDING CO.**

PROJECTS' LOCATIONS
STP-179-1(10), BHF-179-1(11), BRF-179-1(12) AND STP-2946(1)

Estimate Report for file "621440 Phase 1"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	200000.00	TRAFFIC CONTROL -	200000.00
153-1300	1	EA	61263.44	FIELD ENGINEERS OFFICE TP 3	61263.44
201-1500	1	LS	300000.00	CLEARING & GRUBBING -	300000.00
205-0001	21000	CY	4.35	UNCLASS EXCAV	91350.00
310-1101	32000	TN	15.76	GR AGGR BASE CRS, INCL MATL	504320.00
402-3121	14000	TN	92.42	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1293880.00
402-3130	3700	TN	87.72	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	324564.00
402-3190	7200	TN	101.40	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	730080.00
413-1000	5300	GL	2.40	BITUM TACK COAT	12720.00
456-2015	4	GLM	781.53	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	3126.12
641-1200	1100	LF	14.86	GUARDRAIL, TP W	16346.00
641-5001	2	EA	512.58	GUARDRAIL ANCHORAGE, TP 1	1025.16
641-5012	2	EA	1615.75	GUARDRAIL ANCHORAGE, TP 12	3231.50
Section Sub Total:					\$3,541,906.22

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	140	CY	499.18	CLASS A CONCRETE	69885.20
511-1000	12300	LB	0.83	BAR REINF STEEL	10209.00
550-1180	1100	LF	34.44	STORM DRAIN PIPE, 18 IN, H 1-10	37884.00
550-1240	230	LF	41.83	STORM DRAIN PIPE, 24 IN, H 1-10	9620.90
550-1480	130	LF	102.84	STORM DRAIN PIPE, 48 IN, H 1-10	13369.20
550-2180	300	LF	26.12	SIDE DRAIN PIPE, 18 IN, H 1-10	7836.00
550-2480	60	LF	106.00	SIDE DRAIN PIPE, 48 IN, H 1-10	6360.00
550-3518	6	EA	611.58	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	3669.48
550-3524	3	EA	995.61	SAFETY END SECTION 24 IN, STORM DRAIN, 6:1 SLOPE	2986.83
550-3548	2	EA	3368.50	SAFETY END SECTION 48 IN, STORM DRAIN, 6:1 SLOPE	6737.00
550-3618	18	EA	569.43	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	10249.74
550-3642	2	EA	2907.79	SAFETY END SECTION 42 IN, SIDE DRAIN, 6:1 SLOPE	5815.58
668-2100	9	EA	2863.62	DROP INLET, GP 1	25772.58
668-2110	2	LF	257.23	DROP INLET, GP 1, ADDL DEPTH	514.46
Section Sub Total:					\$210,909.97

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	5	AC	496.55	TEMPORARY GRASSING	2482.75
163-0240	230	TN	198.21	MULCH	45588.30
163-0300	2	EA	1797.26	CONSTRUCTION EXIT	3594.52
163-0550	9	EA	276.50	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	2488.50
165-0010	10000	LF	1.07	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	10700.00
165-0101	2	EA	467.81	MAINTENANCE OF CONSTRUCTION EXIT	935.62
165-0105	9	EA	98.05	MAINTENANCE OF INLET SEDIMENT TRAP	882.45
167-1000	2	EA	1694.34	WATER QUALITY MONITORING AND SAMPLING	3388.68
167-1500	9	MO	894.77	WATER QUALITY INSPECTIONS	8052.93
171-0010	10000	LF	1.91	TEMPORARY SILT FENCE, TYPE A	19100.00
318-3000	500	TN	17.53	AGGR SURF CRS	8765.00
Section Sub Total:					\$105,978.75

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	10	AC	818.67	PERMANENT GRASSING	8186.70
700-7000	19	TN	58.71	AGRICULTURAL LIME	1115.49
700-7010	24	GL	18.66	LIQUID LIME	447.84
700-8000	10	TN	276.24	FERTILIZER MIXED GRADE	2762.40
700-8100	480	LB	1.65	FERTILIZER NITROGEN CONTENT	792.00

710-9000	5500	SY	4.19	PERMANENT SOIL REINFORCING MAT	23045.00
Section Sub Total:					\$36,349.43

Section SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	120	SF	14.19	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	1702.80
636-1029	30	SF	19.05	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	571.50
636-1031	70	SF	21.07	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	1474.90
636-2070	340	LF	7.23	GALV STEEL POSTS, TP 7	2458.20
636-2080	80	LF	9.15	GALV STEEL POSTS, TP 8	732.00
636-3010	4	EA	392.07	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	1568.28
652-0120	12	EA	40.37	PAVEMENT MARKING, ARROW, TP 2	484.44
652-0210	12	EA	76.24	PAVEMENT MARKING, WORD, TP 1	914.88
652-5701	200	LF	2.54	SOLID TRAF STRIPE, 24 IN, WHITE	508.00
652-5801	1300	LF	1.02	SOLID TRAF STRIPE, 8 IN, WHITE	1326.00
652-6501	11500	GLF	0.14	SKIP TRAFFIC STRIPE, 5 IN, WHITE	1610.00
652-9001	4000	SY	1.62	TRAFFIC STRIPE, WHITE	6480.00
652-9002	100	SY	1.49	TRAFFIC STRIPE, YELLOW	149.00
653-0170	6	EA	78.09	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	468.54
653-1501	11000	LF	0.29	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	3190.00
653-1502	11000	LF	0.28	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	3080.00
654-1001	20	EA	3.57	RAISED PVMT MARKERS TP 1	71.40
654-1003	110	EA	3.79	RAISED PVMT MARKERS TP 3	416.90
Section Sub Total:					\$27,206.84

Total Estimated Cost: \$3,922,351.21

Subtotal Construction Cost \$3,922,351.21

E&C Rate 10.0 % \$392,235.12

Inflation Rate 0 % @ 0 Years \$0.00

Total Construction Cost \$4,314,586.33

Right Of Way \$1,212,652.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$5,527,238.33

Estimate Report for file "621440 Phase 2"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	900000.00	TRAFFIC CONTROL -	900000.00
153-1300	1	EA	61263.44	FIELD ENGINEERS OFFICE TP 3	61263.44
201-1500	1	LS	900000.00	CLEARING & GRUBBING -	900000.00
205-0001	210000	CY	4.35	UNCLASS EXCAV	913500.00
310-1101	60000	TN	15.76	GR AGGR BASE CRS, INCL MATL	945600.00
402-3121	27000	TN	92.42	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2495340.00
402-3130	7000	TN	87.72	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	614040.00
402-3190	14000	TN	101.40	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1419600.00
413-1000	10000	GL	2.40	BITUM TACK COAT	24000.00
433-1000	552	SY	146.16	REINF CONC APPROACH SLAB	80680.32
456-2015	12	GLM	781.53	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	9378.36
641-1200	2700	LF	14.86	GUARDRAIL, TP W	40122.00
641-5001	3	EA	512.58	GUARDRAIL ANCHORAGE, TP 1	1537.74
641-5012	7	EA	1615.75	GUARDRAIL ANCHORAGE, TP 12	11310.25
Section Sub Total:					\$8,416,372.11

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1180	2600	LF	34.44	STORM DRAIN PIPE, 18 IN, H 1-10	89544.00
550-1240	390	LF	41.83	STORM DRAIN PIPE, 24 IN, H 1-10	16313.70
550-1300	440	LF	52.30	STORM DRAIN PIPE, 30 IN, H 1-10	23012.00
550-1480	140	LF	102.84	STORM DRAIN PIPE, 48 IN, H 1-10	14397.60
550-2180	850	LF	26.12	SIDE DRAIN PIPE, 18 IN, H 1-10	22202.00
550-3518	27	EA	611.58	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	16512.66
550-3524	3	EA	995.61	SAFETY END SECTION 24 IN, STORM DRAIN, 6:1 SLOPE	2986.83
550-3530	6	EA	1543.55	SAFETY END SECTION 30 IN, STORM DRAIN, 6:1 SLOPE	9261.30
550-3548	2	EA	3368.50	SAFETY END SECTION 48 IN, STORM DRAIN, 6:1 SLOPE	6737.00
550-3618	42	EA	569.43	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	23916.06
668-2100	36	EA	2863.62	DROP INLET, GP 1	103090.32
668-2105	1	EA	3595.64	DROP INLET, GP 1, SPCL DES	3595.64
668-2110	22	LF	257.23	DROP INLET, GP 1, ADDL DEPTH	5659.06
668-2200	1	EA	2860.24	DROP INLET, GP 2	2860.24
668-2210	4	LF	272.71	DROP INLET, GP 2, ADDL DEPTH	1090.84
Section Sub Total:					\$341,179.25

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	22	AC	496.55	TEMPORARY GRASSING	10924.10
163-0240	780	TN	198.21	MULCH	154603.80
163-0300	4	EA	1797.26	CONSTRUCTION EXIT	7189.04
163-0550	38	EA	276.50	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	10507.00
165-0010	31000	LF	1.07	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	33170.00
165-0101	4	EA	467.81	MAINTENANCE OF CONSTRUCTION EXIT	1871.24
165-0105	38	EA	98.05	MAINTENANCE OF INLET SEDIMENT TRAP	3725.90
167-1000	3	EA	1694.34	WATER QUALITY MONITORING AND SAMPLING	5083.02
167-1500	18	MO	894.77	WATER QUALITY INSPECTIONS	16105.86
171-0010	31000	LF	1.91	TEMPORARY SILT FENCE, TYPE A	59210.00
318-3000	1000	TN	17.53	AGGR SURF CRS	17530.00
Section Sub Total:					\$319,919.96

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	43	AC	818.67	PERMANENT GRASSING	35202.81
700-7000	85	TN	58.71	AGRICULTURAL LIME	4990.35
700-7010	110	GL	18.66	LIQUID LIME	2052.60

700-8000	43	TN	276.24	FERTILIZER MIXED GRADE	11878.32
700-8100	2200	LB	1.65	FERTILIZER NITROGEN CONTENT	3630.00
710-9000	26000	SY	4.19	PERMANENT SOIL REINFORCING MAT	108940.00
Section Sub Total:					\$166,694.08

Section SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	350	SF	14.19	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	4966.50
636-1029	90	SF	19.05	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	1714.50
636-1031	210	SF	21.07	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	4424.70
636-2070	1000	LF	7.23	GALV STEEL POSTS, TP 7	7230.00
636-2080	240	LF	9.15	GALV STEEL POSTS, TP 8	2196.00
636-3010	12	EA	392.07	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	4704.84
652-0120	27	EA	40.37	PAVEMENT MARKING, ARROW, TP 2	1089.99
652-0210	18	EA	76.24	PAVEMENT MARKING, WORD, TP 1	1372.32
652-5701	260	LF	2.54	SOLID TRAF STRIPE, 24 IN, WHITE	660.40
652-5801	3800	LF	1.02	SOLID TRAF STRIPE, 8 IN, WHITE	3876.00
652-6501	34000	GLF	0.14	SKIP TRAFFIC STRIPE, 5 IN, WHITE	4760.00
652-9001	5000	SY	1.62	TRAFFIC STRIPE, WHITE	8100.00
652-9002	130	SY	1.49	TRAFFIC STRIPE, YELLOW	193.70
653-1501	32000	LF	0.29	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	9280.00
653-1502	31000	LF	0.28	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	8680.00
654-1001	30	EA	3.57	RAISED PVMT MARKERS TP 1	107.10
654-1003	350	EA	3.79	RAISED PVMT MARKERS TP 3	1326.50
Section Sub Total:					\$64,682.55

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	800	SY	4.26	GROOVED CONCRETE	3408.00
500-1006	261	LS	796.62	SUPERSTR CONCRETE, CL AA, BR NO -	207917.82
500-2100	400	LF	42.27	CONCRETE BARRIER	16908.00
500-3101	93	CY	499.18	CLASS A CONCRETE	46423.74
507-9001	540	LF	97.65	PSC BEAMS, AASHTO TYPE I, BR NO -	52731.00
507-9030	660	LF	155.63	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO -	102715.80
511-1000	13889	LB	0.83	BAR REINF STEEL	11527.87
511-3000	58725	LS	0.82	SUPERSTR REINF STEEL, BR NO -	48154.50
520-0573	16	EA	168.01	H-PILE POINTS, HP 14 X 73	2688.16
520-1147	640	LF	46.19	PILING IN PLACE, STEEL H, HP 14 X 73	29561.60
520-4147	1	EA	7.91	LOAD TEST, STEEL H, HP 14 X 73	7.91
540-1102	1	LS	148029.31	REMOVAL OF EXISTING BR, BR NO -	148029.31
603-2024	780	SY	45.35	STN DUMPED RIP RAP, TP 1, 24 IN	35373.00
603-7000	780	SY	4.22	PLASTIC FILTER FABRIC	3291.60
Section Sub Total:					\$708,738.31

Total Estimated Cost: \$10,017,586.26

Subtotal Construction Cost \$10,017,586.26

E&C Rate 10.0 % \$1,001,758.63

Inflation Rate 0 % @ 0 Years \$0.00

Total Construction Cost \$11,019,344.89

Right Of Way \$2,802,348.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$13,821,692.89

Estimate Report for file "621445"

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	800	SY	4.26	GROOVED CONCRETE	3408.00
500-1006	261	LS	796.62	SUPERSTR CONCRETE, CL AA, BR NO -	207917.82
500-2100	400	LF	42.27	CONCRETE BARRIER	16908.00
500-3101	92	CY	499.18	CLASS A CONCRETE	45924.56
507-9001	540	LF	97.65	PSC BEAMS, AASHTO TYPE I, BR NO -	52731.00
507-9030	660	LF	155.63	PSC BEAMS, AASHTO, BULB TEE, 54 IN, BR NO -	102715.80
511-1000	13889	LB	0.83	BAR REINF STEEL	11527.87
511-3000	58725	LS	0.82	SUPERSTR REINF STEEL, BR NO -	48154.50
520-0573	16	EA	168.01	H-PILE POINTS, HP 14 X 73	2688.16
520-1147	640	LF	46.19	PILING IN PLACE, STEEL H, HP 14 X 73	29561.60
603-2024	780	SY	45.35	STN DUMPED RIP RAP, TP 1, 24 IN	35373.00
603-7000	780	SY	4.22	PLASTIC FILTER FABRIC	3291.60
Section Sub Total:					\$560,201.91

Total Estimated Cost: \$560,201.91

Subtotal Construction Cost \$560,201.91

E&C Rate 10.0 % \$56,020.19

Inflation Rate 0 % @ 0 Years \$0.00

Total Construction Cost \$616,222.10

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$616,222.10

Estimate Report for file "621760"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	350000.00	TRAFFIC CONTROL -	350000.00
153-1300	1	EA	61263.44	FIELD ENGINEERS OFFICE TP 3	61263.44
201-1500	1	LS	230000.00	CLEARING & GRUBBING -	230000.00
205-0001	43000	CY	4.35	UNCLASS EXCAV	187050.00
310-1101	21000	TN	15.76	GR AGGR BASE CRS, INCL MATL	330960.00
402-3121	9100	TN	92.42	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	841022.00
402-3130	2400	TN	87.72	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	210528.00
402-3190	4700	TN	101.40	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	476580.00
413-1000	3400	GL	2.40	BITUM TACK COAT	8160.00
433-1000	552	SY	146.16	REINF CONC APPROACH SLAB	80680.32
456-2015	2	GLM	781.53	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	1563.06
641-1200	1200	LF	14.86	GUARDRAIL, TP W	17832.00
641-5012	4	EA	1615.75	GUARDRAIL ANCHORAGE, TP 12	6463.00
Section Sub Total:					\$2,802,101.82

Section DRAINAGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1180	800	LF	34.44	STORM DRAIN PIPE, 18 IN, H 1-10	27552.00
550-2180	330	LF	26.12	SIDE DRAIN PIPE, 18 IN, H 1-10	8619.60
550-2240	64	LF	30.09	SIDE DRAIN PIPE, 24 IN, H 1-10	1925.76
550-3318	5	EA	706.52	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	3532.60
550-3418	4	EA	564.74	SAFETY END SECTION 18 IN, SIDE DRAIN, 4:1 SLOPE	2258.96
550-3618	8	EA	569.43	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	4555.44
550-3624	2	EA	864.67	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	1729.34
668-2100	6	EA	2863.62	DROP INLET, GP 1	17181.72
668-2110	2	LF	257.23	DROP INLET, GP 1, ADDL DEPTH	514.46
Section Sub Total:					\$67,869.88

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	4	AC	496.55	TEMPORARY GRASSING	1986.20
163-0240	150	TN	198.21	MULCH	29731.50
163-0300	2	EA	1797.26	CONSTRUCTION EXIT	3594.52
163-0550	6	EA	276.50	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	1659.00
165-0010	800	LF	1.07	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	856.00
165-0101	2	EA	467.81	MAINTENANCE OF CONSTRUCTION EXIT	935.62
165-0105	6	EA	98.05	MAINTENANCE OF INLET SEDIMENT TRAP	588.30
167-1000	1	EA	1694.34	WATER QUALITY MONITORING AND SAMPLING	1694.34
167-1500	6	MO	894.77	WATER QUALITY INSPECTIONS	5368.62
171-0010	800	LF	1.91	TEMPORARY SILT FENCE, TYPE A	1528.00
318-3000	500	TN	17.53	AGGR SURF CRS	8765.00
Section Sub Total:					\$56,707.10

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	7	AC	818.67	PERMANENT GRASSING	5730.69
700-7000	13	TN	58.71	AGRICULTURAL LIME	763.23
700-7010	16	GL	18.66	LIQUID LIME	298.56
700-8000	7	TN	276.24	FERTILIZER MIXED GRADE	1933.68
700-8100	320	LB	1.65	FERTILIZER NITROGEN CONTENT	528.00
710-9000	7500	SY	4.19	PERMANENT SOIL REINFORCING MAT	31425.00
Section Sub Total:					\$40,679.16

Section SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost

636-1020	100	SF	14.19	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	1419.00
636-1029	25	SF	19.05	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	476.25
636-1031	50	SF	21.07	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	1053.50
636-2070	270	LF	7.23	GALV STEEL POSTS, TP 7	1952.10
636-2080	65	LF	9.15	GALV STEEL POSTS, TP 8	594.75
636-3010	2	EA	392.07	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	784.14
652-0120	12	EA	40.37	PAVEMENT MARKING, ARROW, TP 2	484.44
652-0210	8	EA	76.24	PAVEMENT MARKING, WORD, TP 1	609.92
652-5701	130	LF	2.54	SOLID TRAF STRIPE, 24 IN, WHITE	330.20
652-5801	740	LF	1.02	SOLID TRAF STRIPE, 8 IN, WHITE	754.80
652-6501	8100	GLF	0.14	SKIP TRAFFIC STRIPE, 5 IN, WHITE	1134.00
652-9001	1500	SY	1.62	TRAFFIC STRIPE, WHITE	2430.00
652-9002	50	SY	1.49	TRAFFIC STRIPE, YELLOW	74.50
653-1501	8500	LF	0.29	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	2465.00
653-1502	8600	LF	0.28	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	2408.00
654-1001	20	EA	3.57	RAISED PVMT MARKERS TP 1	71.40
654-1003	130	EA	3.79	RAISED PVMT MARKERS TP 3	492.70
Section Sub Total:					\$17,534.70

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	1072	SY	4.26	GROOVED CONCRETE	4566.72
500-1006	427	LS	796.62	SUPERSTR CONCRETE, CL AA, BR NO -	340156.74
500-2100	536	LF	42.27	CONCRETE BARRIER	22656.72
500-3800	60	CY	718.23	CLASS A CONCRETE, INCL REINF STEEL	43093.80
507-9032	1340	LF	177.93	PSC BEAMS, AASHTO, BULB TEE, 72 IN, BR NO -	238426.20
511-3000	96123	LS	0.82	SUPERSTR REINF STEEL, BR NO -	78820.86
520-0573	20	EA	168.01	H-PILE POINTS, HP 14 X 73	3360.20
520-1147	800	LF	46.19	PILING IN PLACE, STEEL H, HP 14 X 73	36952.00
520-4147	1	EA	7.91	LOAD TEST, STEEL H, HP 14 X 73	7.91
540-1102	1	LS	148029.31	REMOVAL OF EXISTING BR, BR NO -	148029.31
603-2024	1600	SY	45.35	STN DUMPED RIP RAP, TP 1, 24 IN	72560.00
603-7000	1600	SY	4.22	PLASTIC FILTER FABRIC	6752.00
Section Sub Total:					\$995,382.46

Total Estimated Cost: \$3,980,275.12

Subtotal Construction Cost \$3,980,275.12

E&C Rate 10.0 % \$398,027.51

Inflation Rate 0 % @ 0 Years \$0.00

Total Construction Cost \$4,378,302.63

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$4,378,302.63