

ORIGINAL TO GENERAL FILES

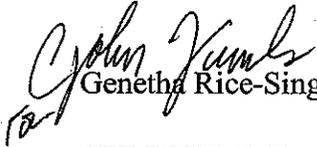
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 262027-, Laurens County
EDS-441(20)
Widening of US 441

OFFICE Preconstruction

DATE January 2, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

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

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

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
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Keith Golden
Angela Alexander
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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: EDS-441(20), Lauren, County
P. I. No. 262027-
Widening of US441

OFFICE: Consultant Design

DATE: December 14, 2007

M Babs Abubakari (ms)

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

TO: Genetha Rice-Singleton, P.E., Assistant Director of Preconstruction

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: This project includes widening and reconstruction of SR 31/US 441 from approximately 1500 ft. north of CR 272/Barron Farm Road to just south of I-16 to CR 354/Pine Hill Road. The roadway is proposed to be four 12 ft. travel lanes (two in each direction) divided with Variable width median (44 ft. depressed grassed median from the beginning of the project to CR 302 and 20 ft. raised median from CR 302 to CR 354/Pine Hill Road). 10 ft. wide rural shoulders on the outside will be provided (6.5 ft. paved and 3.5 ft. graded). The project further includes 8ft.-6 inch widening of the existing bridge over Turkey Creek to accommodate proposed roadway improvements.

Concept Approval Date: Original Concept Approved 01/03/1995

Concept Update: None

Environmental Effect Report Signed: 10/03/06

Notice of Decision Signed: 04/09/07

Public Involvement:

Public Hearing Open House Information Meeting was held on January 09, 2007

Total of 121 people attended public hearing open house meeting. From those attending, 23 comment forms and 2 verbal statements were received. An additional 7 comments were received during the ten-day comment period following the public hearing open house, for a total of 32 comments. They are summarized as follows:

Opposed: 7, Support: 14, Uncommitted: 8 Conditional 3.

Public Hearing Open House Information Meeting was held on June 16, 1999

Total of 85 people attended public hearing open house meeting. From those attending, 18 comment forms and 7 verbal statements were received. An additional one comment was received during the ten-day comment period following the public hearing open house, for a total of 26 comments. They are summarized as follows:

Opposed: 10, Support: 3, Uncommitted: 2 Conditional 8.

Public Information Open House Meeting was held on February 24, 2000

Total of 55 people attended public hearing open house meeting. From those attending, 9 comment forms and 4 verbal statements were received. No comments were received during the ten-day comment period following public hearing open house, for a total of 32 comments. They are summarized as follows:

Opposed: 0, Support: 6, Uncommitted: 0 Conditional 4.

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 project be approved and that the attached Notice be approved for advertising.

RECOMMEND:



Director of Preconstruction

APPROVE:



Chief Engineer

12/27/07
Date of Approval

Attachments:

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

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Number: EDS-441(20), Laurens County
P.I. 262027

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

The date of location and approval is JANUARY 2, 2008.

The project is located on SR 31/US 441 from approximately 1500 ft. north of CR 272 / Barron Farm Road to just CR 354/Pine Hill Road. Further the project is located, in Land Lots 187, 188, 202, 203, 204, 218, 219, 220, 221, 222, 229, 230, 231, 251, 252, 253, 254, 257 and 258 of 17th District and Land Lots 25, 27, 28, 56, 57, 58, and 67 of 1st district in Laurens County.

This project includes widening and reconstruction of SR 31/US 441 from approximately 1500 ft. north of CR 272/Barron Farm Road to just south of I-16 to CR 354/ Pine Hill Road. The roadway is proposed to be four 12 ft. travel lanes (two in each direction) divided with Variable width median (44 ft. depressed grassed median from the beginning of the project to CR 302 and 20 ft. raised median from CR 302 to CR 354/Pine Hill Road). 10 ft. wide rural shoulders on the outside will be provided (6.5 ft. paved and 3.5 ft. graded). The project further includes 8ft.-6 inch widening of the existing bridge over Turkey Creek to accommodate proposed roadway improvements.

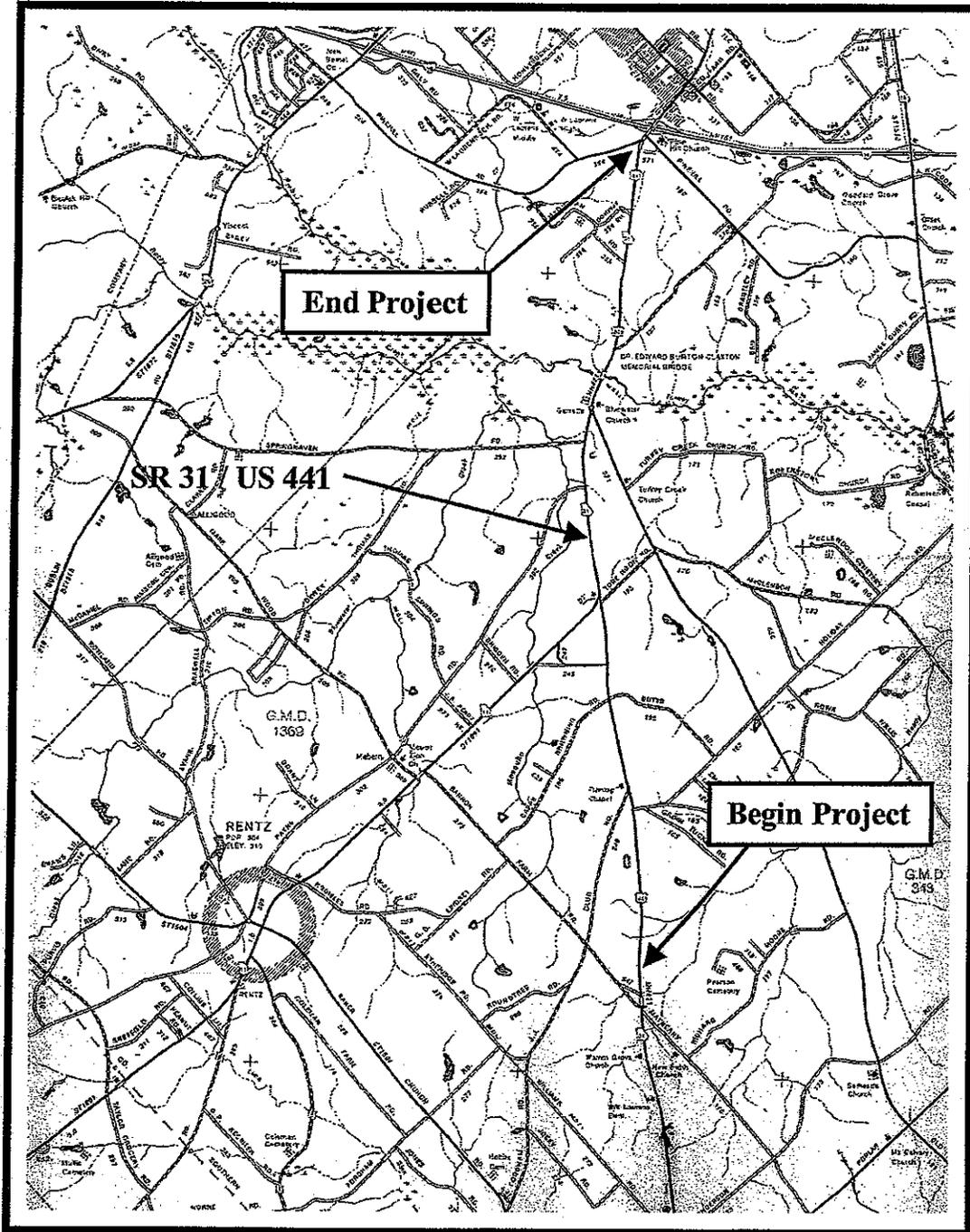
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Daniel Smith-Area Engineer
Daniel.smith@dot.state.ga.us
611 Firetower Road
Dublin, Georgia 31021
(478)275-6596

Any Interested party may obtain a copy of the drawings or maps or plats or portion thereof by paying a nominal fee and requesting in writing to:

Mohammed (Babs) Abubakari, P.E. State Consultant Design Engineer
Babs.Abubakari@dot.state.ga.us
Georgia Department of Transportation
No. 2 Capitol Square, S.W.
Atlanta, Georgia 30334
(404)463-6133

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



LOCATION MAP
Widening and Relocation of SR 31 / US 441 Lauren County
Project # EDS-441(20) Lauren County
P.I. # 262027
Georgia Department of Transportation

Estimate Report for file "262027 Laurens County..._2006-11-13_2007-07-15"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	187500.00	TRAFFIC CONTROL - PROJ. # EDS-441(20)	187500.00
153-1300	1	EA	75708.85	FIELD ENGINEERS OFFICE TP 3	75708.85
201-1500	1	LS	154000.00	CLEARING & GRUBBING -165 AC.	154000.00
205-0001	245768	CY	3.96	UNCLASS EXCAV	973241.28
206-0002	60728	CY	5.88	BORROW EXCAV, INCL MATL	357080.64
207-0203	375	CY	57.25	FOUND BK FILL MATL, TP II	21468.75
310-1101	196970	TN	19.24	GR AGGR BASE CRS, INCL MATL	3789702.80
318-3000	5185	TN	18.83	AGGR SURF CRS	97633.55
402-1812	42030	TN	75.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	3152250.00
402-3121	91300	TN	75.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	6847500.00
402-3130	33400	TN	75.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	2505000.00
402-3190	42530	TN	75.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	3189750.00
413-1000	23950	GL	2.01	BITUM TACK COAT	48139.50
433-1000	635	SY	125.23	REINF CONC APPROACH SLAB	79521.05
441-0014	615	SY	37.79	DRIVEWAY CONCRETE, 4 IN TK	23240.85
441-0016	215	SY	41.21	DRIVEWAY CONCRETE, 6 IN TK	8860.15
441-0748	13185	SY	45.52	CONCRETE MEDIAN, 6 IN	600181.20
441-6740	9740	LF	15.06	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	146684.40
500-3800	35	CY	741.87	CLASS A CONCRETE, INCL REINF STEEL	25965.45
550-1180	6320	LF	43.65	STORM DRAIN PIPE, 18 IN, H 1-10	275868.00
550-1240	1950	LF	55.99	STORM DRAIN PIPE, 24 IN, H 1-10	109180.50
550-1300	1700	LF	71.89	STORM DRAIN PIPE, 30 IN, H 1-10	122213.00
550-1360	1790	LF	88.36	STORM DRAIN PIPE, 36 IN, H 1-10	158164.40
550-1420	735	LF	119.61	STORM DRAIN PIPE, 42 IN, H 1-10	87913.35
550-1421	215	LF	105.57	STORM DRAIN PIPE, 42 IN, H 10-15	22697.55
550-1480	135	LF	132.71	STORM DRAIN PIPE, 48 IN, H 1-10	17915.85
550-2150	2550	LF	29.29	SIDE DRAIN PIPE, 15 IN, H 1-10	74689.50
550-2180	565	LF	36.01	SIDE DRAIN PIPE, 18 IN, H 1-10	20345.65
550-2240	165	LF	38.76	SIDE DRAIN PIPE, 24 IN, H 1-10	6395.40
550-4115	134	EA	900.00	FLARED END SECTION 15 IN, SIDE DRAIN	120600.00
550-4118	62	EA	389.66	FLARED END SECTION 18 IN, SIDE DRAIN	24158.92
550-4124	4	EA	419.74	FLARED END SECTION 24 IN, SIDE DRAIN	1678.96
550-4218	60	EA	672.21	FLARED END SECTION 18 IN, STORM DRAIN	40332.60
550-4224	36	EA	785.94	FLARED END SECTION 24 IN, STORM DRAIN	28293.84
550-4230	34	EA	914.40	FLARED END SECTION 30 IN, STORM DRAIN	31089.60
550-4236	34	EA	1217.68	FLARED END SECTION 36 IN, STORM DRAIN	41401.12
550-4242	14	EA	1616.72	FLARED END SECTION 42 IN, STORM DRAIN	22634.08
573-2006	3000	LF	19.67	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	59010.00
622-1033	3000	LF	0.00	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	0.00
634-1200	230	EA	99.14	RIGHT OF WAY MARKERS	22802.20
635-1000	70	LF	110.60	BARRICADES	7742.00
641-1100	100	LF	53.19	GUARDRAIL, TP T	5319.00
641-1200	5150	LF	17.88	GUARDRAIL, TP W	92082.00
641-5001	12	EA	655.43	GUARDRAIL ANCHORAGE, TP 1	7865.16
641-5012	10	EA	1809.04	GUARDRAIL ANCHORAGE, TP 12	18090.40
668-1100	13	EA	2746.07	CATCH BASIN, GP 1	35698.91
668-1110	7	LF	279.49	CATCH BASIN, GP 1, ADDL DEPTH	1956.43
668-2100	46	EA	4070.34	DROP INLET, GP 1	187235.64
668-2110	3	LF	330.15	DROP INLET, GP 1, ADDL DEPTH	990.45
668-2200	2	EA	4632.54	DROP INLET, GP 2	9265.08
668-5000	1	EA	2216.52	JUNCTION BOX	2216.52
Section Sub Total:					\$23,939,274.58

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	112	SY	33.35	PLAIN CONC DITCH PAVING, 4 IN	3735.20

603-2024	50	SY	51.01	STN DUMPED RIP RAP, TP 1, 24 IN	2550.50
603-2182	1050	SY	60.09	STN DUMPED RIP RAP, TP 3, 24 IN	63094.50
603-7000	1100	SY	4.67	PLASTIC FILTER FABRIC	5137.00
700-6910	84	AC	1061.33	PERMANENT GRASSING	89151.72
700-7000	250	TN	71.92	AGRICULTURAL LIME	17980.00
700-7010	209	GL	21.21	LIQUID LIME	4432.89
700-8000	75	TN	346.89	FERTILIZER MIXED GRADE	26016.75
700-8100	4165	LB	2.33	FERTILIZER NITROGEN CONTENT	9704.45
710-9000	500	SY	3.76	PERMANENT SOIL REINFORCING MAT	1880.00
715-2200	1600	SY	2.41	BITUMINOUS TREATED ROVING, WATERWAYS	3856.00
716-2000	91650	SY	1.23	EROSION CONTROL MATS, SLOPES	112729.50
Section Sub Total:					\$340,268.51

Section BRIDGE WIDENING AT TURKEY CREEK					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
211-0300	0	CY	44.87	BRIDGE EXCAVATION, STREAM CROSSING	0.00
441-0004	0	SY	45.18	CONC SLOPE PAV, 4 IN	0.00
500-0100	0	SY	4.86	GROOVED CONCRETE	0.00
500-1006	0	LS	1072.54	SUPERSTR CONCRETE, CL AA, BR NO -	0.00
500-2100	0	LF	50.30	CONCRETE BARRIER	0.00
500-3101	0	CY	574.83	CLASS A CONCRETE	0.00
500-3700	0	CY	250.00	SEAL CONC	0.00
507-9002	0	LF	135.25	PSC BEAMS, AASHTO TYPE II, BR NO -	0.00
507-9032	0	LF	210.62	PSC BEAMS, AASHTO, BULB TEE, 72 IN, BR NO -	0.00
507-xxxx	1	Lum Sum	375000.00	BRIDGE WIDENING LUMP SUM	375000.00
511-1000	0	LB	0.94	BAR REINF STEEL	0.00
511-3000	0	LS	0.98	SUPERSTR REINF STEEL, BR NO -	0.00
520-1147	0	LF	61.98	PILING IN PLACE, STEEL H, HP 14 X 73	0.00
520-4147	0	EA	35.24	LOAD TEST, STEEL H, HP 14 X 73	0.00
525-1000	0	EA	17217.89	COFFERDAM	0.00
603-2024	0	SY	51.01	STN DUMPED RIP RAP, TP 1, 24 IN	0.00
603-7000	0	SY	4.67	PLASTIC FILTER FABRIC	0.00
Section Sub Total:					\$375,000.00

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	42	AC	737.55	TEMPORARY GRASSING	30977.10
163-0240	375	TN	161.05	MULCH	60393.75
163-0300	10	EA	1509.46	CONSTRUCTION EXIT	15094.60
163-0503	155	EA	547.24	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	84822.20
163-0520	230	LF	16.91	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	3889.30
163-0530	400	LF	4.33	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	1732.00
163-0531	6	EA	7960.46	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -132+50, 145+00, 164+50, 181+00, 194+00, 210+00	47762.76
163-0531	8	EA	7960.46	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -211+50, 237+00, 238+00, 259+00 (2), 263+00, 289+00(2)	63683.68
163-0531	5	EA	7960.46	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -318+00, 343+00, 394+50, 433+00, 468+70	39802.30
163-0550	66	EA	302.10	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	19938.60
165-0010	17225	LF	0.96	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	16536.00
165-0030	14605	LF	1.65	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	24098.25
165-0060	6	EA	1471.25	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -132+50, 145+00, 164+50, 181+00, 194+00, 210+00	8827.50
165-0060	8	EA	1471.25	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -211+50, 237+00, 238+00, 259+00 (2), 263+00, 289+00(2)	11770.00
165-0060	5	EA	1471.25	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO 318+00, 343+00, 394+50, 433+00, 468+70	7356.25

165-0070	400	LF	1.82	MAINTENANCE OF BALED STRAW EROSION CHECK	728.00
165-0087	155	EA	167.75	MAINTENANCE OF SILT CONTROL GATE, TP 3	26001.25
165-0101	10	EA	629.39	MAINTENANCE OF CONSTRUCTION EXIT	6293.90
167-1000	2	EA	1287.42	WATER QUALITY MONITORING AND SAMPLING	2574.84
167-1500	24	MO	936.29	WATER QUALITY INSPECTIONS	22470.96
171-0010	17225	LF	2.09	TEMPORARY SILT FENCE, TYPE A	36000.25
171-0030	14605	LF	4.05	TEMPORARY SILT FENCE, TYPE C	59150.25
Section Sub Total:					\$589,903.74

Section TRAFFIC SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	1302	SF	14.93	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	19438.86
636-1029	120	SF	16.01	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	1921.20
636-1033	891	SF	19.36	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	17249.76
636-1041	18	SF	30.60	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 9	550.80
636-2070	2750	LF	8.18	GALV STEEL POSTS, TP 7	22495.00
636-2080	2146	LF	11.16	GALV STEEL POSTS, TP 8	23949.36
636-3010	40	EA	542.88	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	21715.20
653-0120	153	EA	68.73	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	10515.69
653-0130	7	EA	102.95	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	720.65
653-0170	32	EA	79.53	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	2544.96
653-1501	117315	LF	0.67	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	78601.05
653-1502	116210	LF	0.64	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	74374.40
653-1704	400	LF	5.15	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	2060.00
653-3501	76070	GLF	0.49	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	37274.30
653-6004	11810	SY	2.66	THERMOPLASTIC TRAF STRIPING, WHITE	31414.60
653-6006	5195	SY	3.06	THERMOPLASTIC TRAF STRIPING, YELLOW	15896.70
654-1001	640	EA	3.17	RAISED PVMT MARKERS TP 1	2028.80
654-1003	2153	EA	3.62	RAISED PVMT MARKERS TP 3	7793.86
654-1010	110	EA	37.99	RAISED PVMT MARKERS TP 10	4178.90
657-1054	400	LF	4.90	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1960.00
657-3054	400	GLF	3.50	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, WHITE, TP PB	1400.00
657-6054	400	LF	4.61	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1844.00
Section Sub Total:					\$379,928.09

Total Estimated Cost: \$25,624,374.92

Subtotal Construction Cost	\$25,624,374.92
E&C Rate 10.0 %	\$2,562,437.49
Inflation Rate 0.0 % @ 2.0 Years	\$0.00
Total Construction Cost	\$28,186,812.41
Right Of Way	\$12,250,500.00
ReImb. Utilities	\$192,500.00

Grand Total Project Cost \$40,629,812.41