

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0001098, Oconee County **OFFICE** Preconstruction
STP-F001-00(098)
Jennings Mill Parkway Extension **DATE** September 26, 2005

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

TO *For* 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.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Joe Palladi (file copy)
Babs Abubakari
Brent Story
Russell McMurry
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-F001-00(098) Oconee County OFFICE Road Design
 Jennings Mill Parkway Extension DATE September 9, 2005
 P.I. No 0001098
 B.A. Story
FROM Brent A. Story, P.E., Road & Airport Design Engineer

TO Meg Pirkle, Assistant Director of Preconstruction

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: The project is the extension of Jennings Mill Parkway from the Oconee Connector MP 6.79 at SR316 to Epps Bridge Road MP0.37 a distance of 1.4 miles. The project consists of a 4 lane divided roadway with a 20-foot raised median from the Oconee Connector to Frontage Road East and consists of a 5-lane section with a footprint for a future 20-foot raised median from Frontage Road East to Epps Bridge Road. The proposed 5-lane section would include a 14-foot two-way left turn lane, two 12-foot inside and two 13-foot outside travel lanes, two 6-foot bike lanes, with curb and gutter and 5-foot sidewalks on both sides. The 4-lane divided section with 20-foot raised median will also have 4-foot bike lanes, with curb and gutter and 5-foot sidewalks on both sides. The project would also include bridging Jennings Mill Parkway over SR 10 Loop/Paul Broun Parkway and constructing a half-diamond interchange with northwest facing ramps. Additional improvements include the relocation of Jennings Mill road on the south side of SR 10 Loop/Paul Broun Parkway that would bend the roadway at the ramps of the new interchange and tie into Virgil Langford Road, a cul-de-sac that would be constructed at the end of the remaining portion of the Jennings Mill Road, southeast of the new interchange, and a new frontage road that would be constructed on the northeast side of SR 10 Loop/Paul Broun Parkway, connecting the Jennings Mill Parkway Extension to Jennings Mill Road.

Concept Approval Date: The concept report was approved for this project on May 2, 2003.

Concept Update: No significant changes have occurred to the project as described in the approved Revised Concept Report.

Environmental Assessment and Reassessment Approval Date: An EA/FONSI was approved for this project on July 20, 2004.

Public Involvement:

- Hearing Results:

- A Public Hearing Open House was held on February 24, 2004 at the Oconee County Civic Center
- A total of 94 people attended the open house
- A total of 15 comments were received
 - 7 in support
 - 3 opposed
 - 1 conditional
 - 4 uncommitted
- Public Information Open House:
 - A Public Information Open House was held on June 13, 2002 at the Oconee County Civic Center
 - A total of 43 people attended the open house
 - A total of 7 comments were received
 - 5 in support
 - 2 opposed

Consistency with Approved Planning:

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

Recommendations: I recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

BAS:SH:ss

Attachments:

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

RECOMMEND: Buddely Jatta 9/16/05
 Director of Preconstruction Date

APPROVE: [Signature] 9/23/05
 Chief Engineer Date

NOTICE OF LOCATION AND DESIGN APPROVAL

STP-F001-00(098) OCONEE COUNTY P. I. NUMBER 0001098

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 *SEPTEMBER 26, 2005*

The proposed project consists of the construction of the Jennings Mill Parkway Extension and the construction of a half diamond interchange at SR10. The project is located in Oconee County, Congressional District No.9 and Georgia Militia District No. 1331.

The project is the extension of Jennings Mill Parkway from the Oconee Connector to Epps Bridge Road. The project consists of a 4 lane divided roadway with a 20-foot raised median from the Oconee Connector to Frontage Road East and consists of a 5-lane section with a footprint for a future 20-foot raised median from Frontage Road East to Epps Bridge Road. The project would also include bridging Jennings Mill Parkway over SR 10 Loop and constructing a half-diamond interchange with northwest facing ramps. Additional improvements include the relocation of Jennings Mill road on the south side of SR 10 Loop. A cul-de-sac would be constructed at the end of the remaining portion of the Jennings Mill Road, southeast of the new interchange, and a new frontage road would be constructed on the northeast side of SR 10 Loop, connecting the Jennings Mill Parkway Extension to Jennings Mill Road.

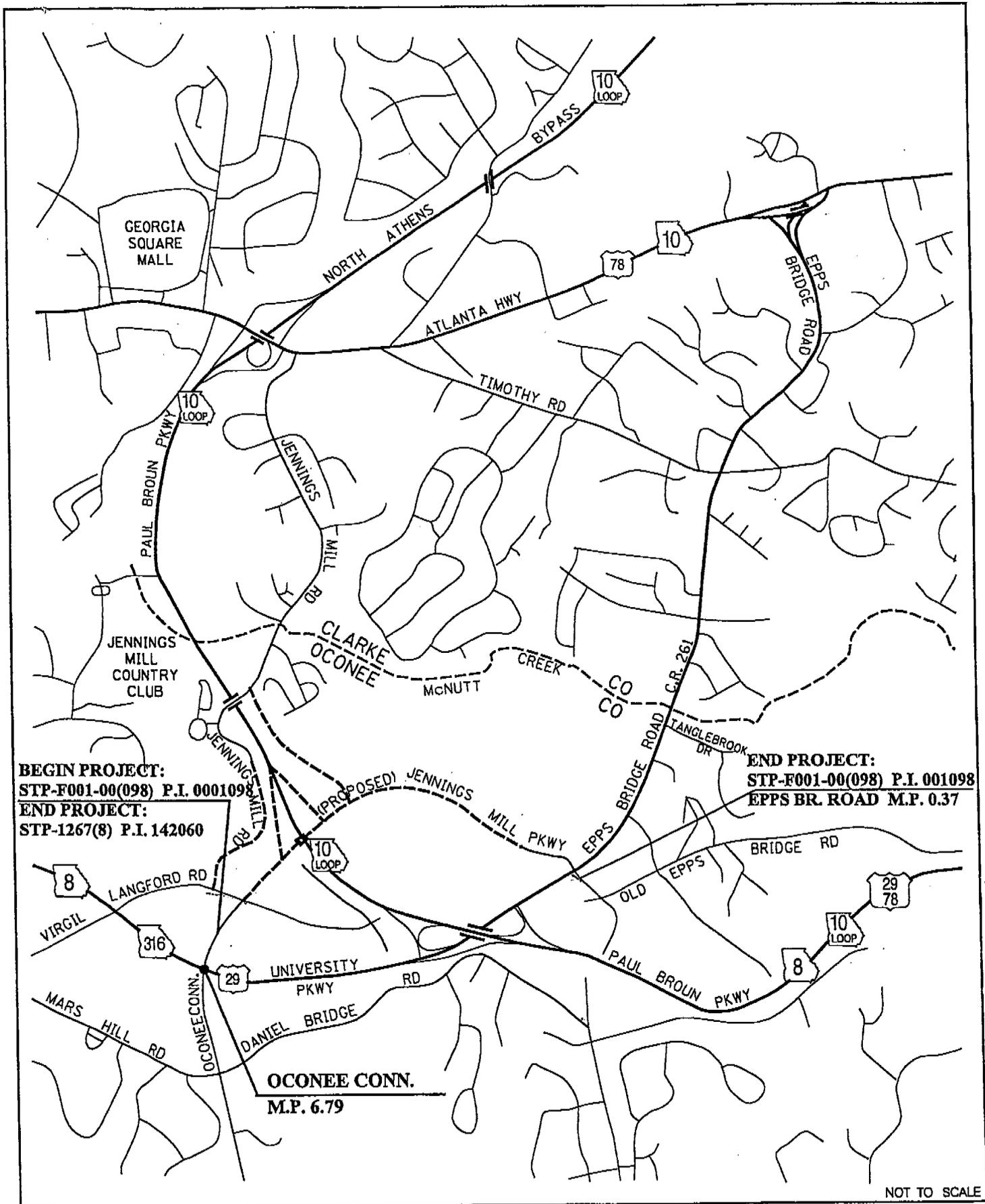
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Johnny Emmett
Johnny.Emmett@dot.state.ga.us
450 Old Hull Road
Athens, GA 30601
(706) 369-5627

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:

Stanley Hill
Office of Road and Airport Design
Stanley.Hill@dot.state.ga.us
No. 2 Capitol Square, S.W.,
Atlanta, Georgia 30334-1002
(404) 463-2988

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.



PROJECT LOCATION SKETCH
JENNINGS MILL PKWY

GDOT PROJECT STP-F001-00(098) P.I. 0001098

Estimate Report for file "0001098"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	90000.00	TRAFFIC CONTROL -	90000.00
153-1300	1	EA	53000.00	FIELD ENGINEERS OFFICE TP 3	53000.00
201-1500	1	LS	500000.00	CLEARING & GRUBBING -	500000.00
205-0001	252500	CY	3.22	UNCLASS EXCAV	813050.00
206-0002	173700	CY	4.99	BORROW EXCAV, INCL MATL	866763.00
207-0203	3400	CY	35.29	FOUND BK FILL MATL, TP II	119986.00
310-5120	85700	SY	13.75	GR AGGR BASE CRS, 12 INCH, INCL MATL	1178375.00
402-1812	250	TN	39.71	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	9927.50
402-3132	8807	TN	57.00	RECYCLED ASPH CONC 4.75 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	501999.00
402-3143	22038	TN	42.54	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	937496.52
402-3190	9263	TN	39.86	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	369223.18
413-1000	6379	GL	0.99	BITUM TACK COAT	6315.21
432-5010	1000	SY	1.56	MILL ASPH CONC PVMT, VARIABLE DEPTH	1560.00
433-1100	1060	SY	110.95	REINF CONC APPROACH SLAB, INCL CURB	117607.00
439-0020	9016	SY	60.30	PLAIN PC CONC PVMT, CL 3 CONC, 9 INCH THK	543664.80
441-0016	500	SY	28.14	DRIVEWAY CONCRETE, 6 IN TK	14070.00
441-0104	15500	SY	24.48	CONC SIDEWALK, 4 IN	379440.00
441-0301	2	EA	1636.53	CONC SPILLWAY, TP 1	3273.06
441-0740	1250	SY	24.89	CONCRETE MEDIAN, 4 IN	31112.50
441-4030	815	SY	35.08	CONC VALLEY GUTTER, 8 IN	28590.20
441-6222	26000	LF	12.13	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	315380.00
441-6740	5000	LF	10.23	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	51150.00
500-0100	1060	SY	4.24	GROOVED CONCRETE	4494.40
500-3101	380	CY	453.44	CLASS A CONCRETE	172307.20
500-3800	25	CY	635.27	CLASS A CONCRETE, INCL REINF STEEL	15881.75
511-1000	62900	LB	0.72	BAR REINF STEEL	45288.00
550-1180	8000	LF	29.21	STORM DRAIN PIPE, 18 IN, H 1-10	233680.00
550-1240	3000	LF	34.89	STORM DRAIN PIPE, 24 IN, H 1-10	104670.00
550-1361	800	LF	55.32	STORM DRAIN PIPE, 36 IN, H 10-15	44256.00
550-1541	600	LF	204.58	STORM DRAIN PIPE, 54 IN, H 10-15	122748.00
550-4218	6	EA	422.29	FLARED END SECTION 18 IN, STORM DRAIN	2533.74
550-4224	3	EA	490.20	FLARED END SECTION 24 IN, STORM DRAIN	1470.60
550-4230	1	EA	651.29	FLARED END SECTION 30 IN, STORM DRAIN	651.29
550-4236	1	EA	832.77	FLARED END SECTION 36 IN, STORM DRAIN	832.77
603-2182	500	SY	42.55	STN DUMPED RIP RAP, TP 3, 24 IN	21275.00
603-7000	500	SY	3.91	PLASTIC FILTER FABRIC	1955.00
634-1200	60	EA	86.28	RIGHT OF WAY MARKERS	5176.80
641-1100	100	LF	30.15	GUARDRAIL, TP T	3015.00
641-1200	3800	LF	12.94	GUARDRAIL, TP W	49172.00
641-5001	2	EA	459.73	GUARDRAIL ANCHORAGE, TP 1	919.46
641-5012	10	EA	1525.25	GUARDRAIL ANCHORAGE, TP 12	15252.50
668-1100	80	EA	1731.47	CATCH BASIN, GP 1	138517.60
668-1110	40	LF	178.52	CATCH BASIN, GP 1, ADDL DEPTH	7140.80
668-1200	2	EA	2452.39	CATCH BASIN, GP 2	4904.78
668-1210	10	LF	256.60	CATCH BASIN, GP 2, ADDL DEPTH	2566.00
668-2100	2	EA	1976.68	DROP INLET, GP 1	3953.36
668-2110	10	LF	192.31	DROP INLET, GP 1, ADDL DEPTH	1923.10
668-2200	2	EA	2225.57	DROP INLET, GP 2	4451.14
668-2210	10	LF	259.83	DROP INLET, GP 2, ADDL DEPTH	2598.30
668-4300	3	EA	1735.38	STORM SEWER MANHOLE, TP 1	5206.14
668-5000	1	EA	1532.48	JUNCTION BOX	1532.48
Section Sub Total:					\$7,950,356.18

Section EROSION CONTROL ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	7	AC	481.77	TEMPORARY GRASSING	3372.39
163-0240	40	TN	202.85	MULCH	8114.00
163-0300	10	EA	1154.51	CONSTRUCTION EXIT	11545.10
163-0501	1	EA	844.39	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	844.39
163-0503	2	EA	478.63	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	957.26
163-0504	14	EA	154.91	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 4	2168.74

163-0521	12	EA	145.69	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	1748.28
163-0530	5300	LF	2.44	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	12932.00
163-0531	2	EA	7421.10	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO -	14842.20
165-0010	5100	LF	0.92	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	4692.00
165-0030	11900	LF	1.20	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	14280.00
165-0040	12	EA	58.62	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	703.44
165-0060	2	EA	946.64	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO -	1893.28
165-0070	5300	LF	1.30	MAINTENANCE OF BALED STRAW EROSION CHECK	6890.00
165-0085	1	EA	306.21	MAINTENANCE OF SILT CONTROL GATE, TP 1	306.21
165-0087	2	EA	166.79	MAINTENANCE OF SILT CONTROL GATE, TP 3	333.58
165-0088	14	EA	63.87	MAINTENANCE OF SILT CONTROL GATE, TP 4	894.18
165-0101	10	EA	379.28	MAINTENANCE OF CONSTRUCTION EXIT	3792.80
167-0100	42	MO	955.65	WATER QUALITY MONITORING	40137.30
167-0200	126	EA	58.24	WATER QUALITY SAMPLING	7338.24
171-0010	5100	LF	1.83	TEMPORARY SILT FENCE, TYPE A	9333.00
171-0030	11900	LF	3.13	TEMPORARY SILT FENCE, TYPE C	37247.00
603-2012	700	SY	27.90	STN DUMPED RIP RAP, TP 1, 12 IN	19530.00
603-7000	700	SY	3.91	PLASTIC FILTER FABRIC	2737.00
700-6910	14	AC	775.82	PERMANENT GRASSING	10861.48
700-7000	42	TN	57.15	AGRICULTURAL LIME	2400.30
700-7010	35	GL	18.63	LIQUID LIME	652.05
700-8000	14	TN	252.40	FERTILIZER MIXED GRADE	3533.60
700-8100	135	LB	1.46	FERTILIZER NITROGEN CONTENT	197.10
710-9000	1750	SY	4.38	PERMANENT SOIL REINFORCING MAT	7665.00
715-2100	110000	SY	1.74	BITUMINOUS TREATED ROVING, SLOPES	191400.00
Section Sub Total:					\$423,341.92

Section SIGNING & MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	10	CY	453.44	CLASS A CONCRETE	4534.40
636-1020	150	SF	13.34	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	2001.00
636-1029	60	SF	19.91	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	1194.60
636-1031	65	SF	16.72	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	1086.80
636-1032	160	SF	29.14	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	4662.40
636-1072	700	SF	16.03	HIGHWAY SIGNS, ALUM EXTRUDED PANELS, REFL SHEETING, TP 3	11221.00
636-2070	55	LF	6.53	GALV STEEL POSTS, TP 7	359.15
636-2080	285	LF	8.60	GALV STEEL POSTS, TP 8	2451.00
636-3000	2700	LB	2.17	GALV STEEL STR SHAPE POST	5859.00
636-5010	25	EA	37.36	DELINEATOR, TP 1	934.00
636-9094	18	LF	54.18	PILING IN PLACE, SIGNS, STEEL H, HP 12 X 53	975.24
638-1001	1	LS	45000.00	STR SUPPORT FOR OVERHEAD SIGN, TP 1, STA -	45000.00
652-0094	16	EA	38.10	PAVEMENT MARKING, SYMBOL, TP 4	609.60
652-0110	16	EA	37.16	PAVEMENT MARKING, ARROW, TP 1	594.56
652-5301	12000	LF	0.11	SOLID TRAF STRIPE, 6 IN, WHITE	1320.00
652-5451	12000	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, WHITE	1560.00
652-6301	1000	GLF	0.12	SKIP TRAF STRIPE, 6 IN, WHITE	120.00
652-6501	1000	GLF	0.08	SKIP TRAFFIC STRIPE, 5 IN, WHITE	80.00
653-0120	40	EA	57.07	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	2282.80
653-0210	6	EA	91.70	THERMOPLASTIC PVMT MARKING, WORD, TP 1	550.20
653-1501	27900	LF	0.25	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	6975.00
653-1502	34700	LF	0.24	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	8328.00
653-1704	575	LF	3.28	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	1886.00
653-1804	4000	LF	1.67	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	6680.00
653-3501	12000	GLF	0.14	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	1680.00
653-3502	12000	GLF	0.15	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	1800.00
653-6004	730	SY	2.46	THERMOPLASTIC TRAF STRIPING, WHITE	1795.80
654-1001	180	EA	3.39	RAISED PVMT MARKERS TP 1	610.20
654-1003	300	EA	3.27	RAISED PVMT MARKERS TP 3	981.00
Section Sub Total:					\$118,131.75

Section TRAFFIC SIGNALS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost

639-4004	20	EA	4277.93	STRAIN POLE, TP IV	85558.60
647-1000	5	LS	50000.00	TRAFFIC SIGNAL INSTALLATION NO -	250000.00
647-2140	3	EA	1125.04	PULL BOX, PB-4	3375.12
647-2150	5	EA	1363.11	PULL BOX, PB-5	6815.55
682-6120	2710	LF	6.96	CONDUIT, RIGID, 2 IN	18861.60
682-6222	2000	LF	8.19	CONDUIT, NONMETL, TP 2, 2 IN	16380.00
935-1113	3640	LF	1.67	OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER	6078.80
935-1511	250	LF	3.78	OUTSIDE PLANT FIBER OPTIC CABLE, DROP, SINGLE MODE, 6 FIBER	945.00
935-3103	5	EA	672.58	FIBER OPTIC CLOSURE, UNDERGROUND, 24 FIBER	3362.90
935-4010	18	EA	30.60	FIBER OPTIC SPLICE, FUSION	550.80
935-6562	5	EA	1558.00	EXTERNAL TRANSCEIVER, DROP AND REPEAT, 1310 SINGLE MODE, (SIGNAL JOBS)	7790.00
935-8000	1	LS	3185.79	TESTING	3185.79
Section Sub Total:					\$402,904.16

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	2461	SY	4.24	GROOVED CONCRETE	10434.64
500-1006	711	LS	670.82	SUPERSTR CONCRETE, CL AA, BR NO -	476953.02
500-3101	186	CY	453.44	CLASS A CONCRETE	84339.84
507-9032	5022	LF	171.30	PSC BEAMS, AASHTO, BULB TEE, 72 IN, BR NO -	860268.60
511-1000	34668	LB	0.72	BAR REINF STEEL	24960.96
511-3000	135100	LS	0.76	SUPERSTR REINF STEEL, BR NO -	102676.00
520-1125	1080	LF	37.31	PILING IN PLACE, STEEL H, HP 12 X 53	40294.80
520-1147	1350	LF	41.11	PILING IN PLACE, STEEL H, HP 14 X 73	55498.50
Section Sub Total:					\$1,655,426.36

Section WALL NO 1 ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
627-1000	235	SF	36.69	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	8622.15
627-1010	2996	SF	35.67	MSE WALL FACE, 10 - 20 FT HT, WALL NO -	106867.32
627-1100	200	LF	61.33	COPING A, WALL NO -	12266.00
Section Sub Total:					\$127,755.47

Section WALL NO 2 ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
627-1000	356	SF	36.69	MSE WALL FACE, 0 - 10 FT HT, WALL NO -	13061.64
627-1010	3886	SF	35.67	MSE WALL FACE, 10 - 20 FT HT, WALL NO -	138613.62
627-1100	225	LF	61.33	COPING A, WALL NO -	13799.25
Section Sub Total:					\$165,474.51

Total Estimated Cost: \$10,843,390.35

Subtotal Construction Cost	\$10,843,390.35
E&C Rate 10.0 %	\$1,084,339.04
Inflation Rate 5.0 % @ 1.0 Years	\$596,386.47
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Total Construction Cost	\$12,524,115.85
Right Of Way	\$1,490,400.00
ReImb. Utilities	\$192,500.00
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Grand Total Project Cost	\$14,207,015.85