

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. Nos. 322355-/322357-, Fayette County **OFFICE** Preconstruction
STP-209-1(2)/BHF-209-1(3)
SR 74 from SR 85 to CS 597/Cooper Circle
And Flat Creek **DATE** May 17, 2006

FROM *C. B. Pirkle*
Margaret B. Pirkle, P.E., 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 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
Thomas Howell
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-209-1(2) & BHF-209-1(3), Fayette County **OFFICE** Consultant Design
SR 74 from SR 85 to CS 597/Cooper Circle & **DATE** May 11, 2006
Flat Creek
P.I. No. 322355 & 322357
M. Babs Abubakari
FROM Babs Abubakari, P.E., State Program Delivery and Consultant Design Engineer
TO Margaret Pirkle, P.E., Assistant Director of Preconstruction
SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: Project STP-209-1(2) PI 322355 proposes to widen 3.0 miles of SR 74 from the intersection with SR 85 north to Cooper Circle where it ties into Project STP-209-1(1) PI 322350. The project proposes to widen the existing 2 lane urban principal arterial to 4 lanes with a 24 LF raised median and rural shoulders. This project will also realign approximately 1250 LF of Padgett Road south to align opposite of SR 74 at the intersection with SR 85. This will consolidate two existing closely spaced three legged intersections into a single 4-legged signalized intersection. This project will also realign 1900 LF of Rockaway Road to the west to align opposite of Holly Grove Road at the intersection with SR 74. This will consolidate two existing closely spaced three legged intersections into a single 4-legged signalized intersection and will eliminate the bad skew angle of the existing Rockaway Rd/SR 74 intersection. Project BHF-209-1(3) PI 322357 proposes to construct a new bridge to the north of the existing bridge for SR 74 over Flat Creek approximately 2.1 miles north of the intersection of SR 74 with SR 85. The project is entirely in Fayette County and SR 74 enters Peachtree City Limits approximately 1.6 miles north of the intersection of SR 74 with SR 85.

Concept Approval Date: Original Concept Approval: **April 11, 1996**
Revised Concept Approval: **January 12, 2006**

Concept Update: The Revised Project Concept Report revised the following:

1. Revised the typical section from a 4-lane roadway with a 20' raised median to a 24' raised median in accordance with current Department Guidelines.
2. Revised the project limits to include the realignment of 1250 LF of Padgett Road and shift its unsignalized 3-legged intersection with SR 85, 280 LF south to align opposite of SR 74 creating a single 4-legged signalized intersection.

Environmental Assessment and Reassessment Approval Date:

Original Categorical Exclusion Approval Date: **December 1, 1997**
Categorical Exclusion Reevaluation Approval Date: **September 25, 2003 (This was for Project STP-209-1(1) PI 322350 only)**

Public Involvement:

A public hearing was held on March 27, 1997 for the original Categorical Exclusion. It was determined in the reevaluation, approved September 25, 2003, that no changes in the project design or environmental effects would require an additional public hearing. A Public Information Open House was held on February 2, 2006 to present the latest design to the public.

- **Hearing Results:**

The Public Hearing held on March 27, 1997 resulted in 80 comments, 27 gave general support, 16 opposed the project, and 37 conditionally supported the project or were uncommitted. A total of 128 persons attended the meeting. The main concerns expressed were:

1. A sense of urgency to have the proposed project constructed as soon as possible.
2. That the proposed median be grassed to accommodate landscaping.
3. A request for median openings at specific locations, particularly at the Post Office area.
4. Accommodations for pedestrian, bicycle, and/or golf cart facilities in the project area.
5. Traffic signals were repeatedly requested at Kelly Drive and Paschall Road.
6. Opposition to the acquisition of right-of-way from the residential side of SR 74.
7. Perception that the project implementation would distribute traffic into residential areas.
8. The project would create a need for noise barriers in the residential areas.
9. A concern for the potential impacts to the physical environment associated with project implementation.

- **Public Information Meeting**

The Public Information Open House held on February 2, 2006 resulted in 107 comments, 31 gave general support, 38 opposed the project, and 38 conditionally supported the project or were uncommitted. A total of 135 people attended the meeting. The main concerns expressed were:

1. The residents of the Brechin Park subdivision were strongly opposed to not having a median break (this opposition resulted in the high number of people against the project).
2. Many citizens asked about bike lanes.
3. Citizens were concerned with Rockaway Road and the strong need to quickly complete the deficiencies with this Road.
4. The need for a crosswalk to the school.

As a result of the concerns over Brechin Park not having a median break, a median break has been added to the project. Also, because of the concern with Rockaway Road the Department will stipulate in the construction documents that the improvements to Rockaway Road be constructed first.

Consistency with Approved Planning:

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

Recommendations: *Recommend 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

5/12/06
Date of Approval

Attachments:

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

NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECT STP-209-1(2) & BRF-209-1(3)
P.I. NO. 322355 & 322357
FAYETTE COUNTY**

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 May 17, 2006.

The project consists of widening the existing 2-lane facility of SR 74 to a 4-lane roadway with a 24' raised median from SR 85 to Cooper Circle Road for an approximate length of 3.3 miles. The project is located entirely in Fayette County and in Land Lots 7, 8, 17, 18, 29, 30, 33, 34, 43, & 129.

The project proposes to widen the existing roadway either to the left or right of existing in order to minimize impacts to adjacent properties and environmental resources. This project will also realign 1250 LF of Padgett Road south to align opposite of SR 74 at the intersection with SR 85 creating a 4-legged signalized intersection. This project will also realign 1900 LF of Rockaway Road to the west to align opposite of Holly Grove Road at the intersection with SR 74 creating a 4-legged signalized intersection. A new bridge over Flat Creek (Project BHF-209-1(3) PI 322357) will be constructed to the north of existing to improve the undesirable horizontal curve on SR 74 just west of this location. The existing bridge will be demolished.

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:

David Coleman, Area 5 Engineer
David.coleman@dot.state.ga.us
1001 Highway 19 South,
Griffin, GA 30223
(770) 228-7205 / (770) 228-7337

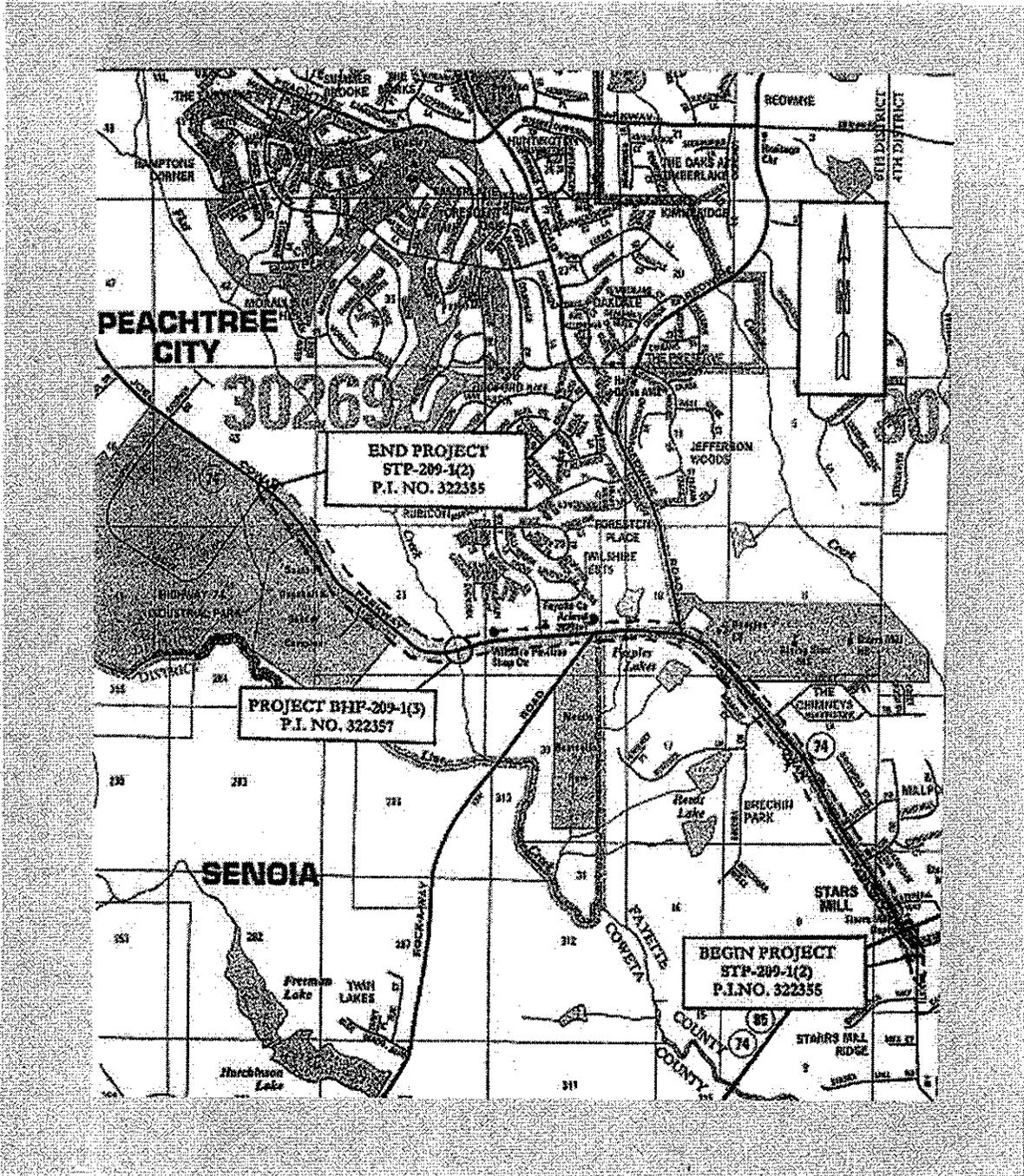
Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Stanley Hill, Office of Consultant Design
Stanley.Hill@dot.state.ga.us
Georgia Department of Transportation
No. 2 Capitol Square
Atlanta, GA 30334
(404) 463-2988

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

LOCATION SKETCH

**PROJECT STP-209-1(2) P.I. No. 322355 &
PROJECT BHF-209-1(3) P.I.No. 322357
FAYETTE COUNTY**



Estimate Report for file "STP-209-1(2), PI 322355"

Section 1. Roadway						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	
150-1000	1	LS	225000.00	TRAFFIC CONTROL - STP-209-1(2)	225000.00	
153-1300	1	EA	57024.37	FIELD ENGINEERS OFFICE TP 3	57024.37	
201-1500	1	LS	200000.00	CLEARING & GRUBBING - STP-209-1(2)	200000.00	
207-0203	50	CY	37.32	FOUND BK FILL MATL, TP II	1866.00	
210-0100	1	LS	1025300.00	GRADING COMPLETE - STP-209-1(2)	1025300.00	
310-1101	85100	TN	20.00	GR AGGR BASE CRS, INCL MATL	1702000.00	
318-3000	150	TN	16.89	AGGR SURF CRS	2533.50	
402-1811	1200	TN	60.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	72000.00	
402-3121	42800	TN	60.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2568000.00	
402-3130	14500	TN	60.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	870000.00	
402-3190	12500	TN	60.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	750000.00	
413-1000	11800	GL	1.10	BITUM TACK COAT	12980.00	
456-2015	6	GLM	725.00	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	4712.50	
634-1200	75	EA	90.37	RIGHT OF WAY MARKERS	6777.75	
Section Sub Total:					\$7,498,194.12	

Section 2. Guardrail						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	
641-1100	84	LF	31.11	GUARDRAIL, TP T	2613.24	
641-1200	1650	LF	15.00	GUARDRAIL, TP W	24750.00	
641-5001	5	EA	550.00	GUARDRAIL ANCHORAGE, TP 1	2750.00	
641-5012	5	EA	1800.00	GUARDRAIL ANCHORAGE, TP 12	9000.00	
Section Sub Total:					\$39,113.24	

Section 3. Drainage						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	
207-0203	20	CY	37.39	FOUND BK FILL MATL, TP II	747.80	
441-0301	2	EA	1800.00	CONC SPILLWAY, TP 1	3600.00	
441-0303	2	EA	1625.00	CONC SPILLWAY, TP 3	3250.00	
550-1180	5816	LF	30.00	STORM DRAIN PIPE, 18 IN, H 1-10	174480.00	
550-1240	333	LF	35.00	STORM DRAIN PIPE, 24 IN, H 1-10	11655.00	
550-1360	178	LF	50.00	STORM DRAIN PIPE, 36 IN, H 1-10	8900.00	
550-2180	2000	LF	24.68	SIDE DRAIN PIPE, 18 IN, H 1-10	49360.00	
550-3318	44	EA	650.00	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	28600.00	
550-3324	3	EA	930.00	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	2790.00	
550-3336	1	EA	1570.00	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	1570.00	
573-2006	1000	LF	13.38	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	13380.00	
603-2181	100	SY	37.92	STN DUMPED RIP RAP, TP 3, 18 IN	3792.00	
668-1100	48	EA	1670.00	CATCH BASIN, GP 1	80160.00	
668-1110	18	LF	194.54	CATCH BASIN, GP 1, ADDL DEPTH	3649.57	
668-2100	3	EA	2265.00	DROP INLET, GP 1	6795.00	
668-7018	5	EA	1366.67	DRAIN INLET, 18 IN	6833.35	
Section Sub Total:					\$399,562.72	

Section 4. Concrete						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	
433-1000	650	SY	140.00	REINF CONC APPROACH SLAB	91000.00	
441-0204	500	SY	28.58	PLAIN CONC DITCH PAVING, 4 IN	14290.00	
441-0740	3100	SY	25.00	CONCRETE MEDIAN, 4 IN	77500.00	
441-4030	200	SY	40.00	CONC VALLEY GUTTER, 8 IN	8000.00	
441-6222	8400	LF	16.00	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	134400.00	
441-6740	29900	LF	12.50	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	373750.00	
620-0100	2000	LF	45.23	TEMPORARY BARRIER, METHOD NO. 1	90460.00	
Section Sub Total:					\$789,400.00	

Section 5. Culvert Extension						
Item Number	Quantity	Units	Unit Price	Item Description	Cost	

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	67	CY	37.39	FOUND BKFILL MATL, TP II	2505.13
500-3101	153	CY	550.00	CLASS A CONCRETE	84150.00
511-1000	17537	LB	1.00	BAR REINF STEEL	17537.00
Section Sub Total:					\$104,192.13

Section 6. Signing and Marking

Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-000	1	Lump Sum	15000.00	Signing and Marking Misc.	15000.00
632-0003	1	EA	25000.00	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	25000.00
639-4002	12	EA	4677.44	STRAIN POLE, TP II	56129.28
647-1000	1	LS	42430.91	TRAFFIC SIGNAL INSTALLATION NO - 4	42430.91
647-1000	1	LS	42430.91	TRAFFIC SIGNAL INSTALLATION NO - 1	42430.91
647-1000	1	LS	42430.91	TRAFFIC SIGNAL INSTALLATION NO - 3	42430.91
647-1000	1	LS	42430.91	TRAFFIC SIGNAL INSTALLATION NO - 2	42430.91
653-0110	50	EA	55.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	2750.00
653-0120	50	EA	55.00	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	2750.00
653-0210	100	EA	100.00	THERMOPLASTIC PVMT MARKING, WORD, TP 1	10000.00
653-1501	30820	LF	0.30	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	9246.00
653-1502	30820	LF	0.30	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	9246.00
653-3501	34320	GLF	0.20	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	6864.00
Section Sub Total:					\$306,708.92

Section 7. Erosion Control

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	27	AC	520.00	TEMPORARY GRASSING	14040.00
163-0300	8	EA	1300.00	CONSTRUCTION EXIT	10400.00
163-0503	10	EA	500.00	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	5000.00
163-0504	51	EA	150.00	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 4	7650.00
163-0520	300	LF	12.75	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	3825.00
163-0531	1	EA	7700.00	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 26+80 RT SR 85	7700.00
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 167+00 LT SR 74	7621.31
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 218+70 RT SR 74	7621.31
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 213+10 LT SR 74	7621.31
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 208+90 LT SR 74	7621.31
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 208+90 RT SR 74	7621.31
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 22+90 LT SR 85	7621.31
163-0531	1	EA	7621.31	CONSTRUCT AND REMOVE SEDIMENT BASIN, TP 1, STA NO - 123+20 RT SR 74	7621.31
165-0010	1000	LF	1.06	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	1060.00
165-0020	1000	LF	1.08	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	1080.00
165-0030	23800	LF	1.50	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	35700.00
165-0060	1	EA	1041.61	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 208+90 LT SR 74	1041.61
165-0060	1	EA	1000.00	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 22+90 LT SR 85	1000.00
165-0060	1	EA	1041.61	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 208+90 RT SR 74	1041.61
165-0060	1	EA	1041.61	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 218+70 RT SR 74	1041.61
165-0060	1	EA	1041.61	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 167+00 LT SR 74	1041.61
				MAINTENANCE OF TEMPORARY SEDIMENT	

165-0060	1	EA	1041.61	BASIN, STA NO - 26+80 RT SR 85	1041.61
165-0060	1	EA	1041.61	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 123+20 RT SR 74	1041.61
165-0060	1	EA	1041.61	MAINTENANCE OF TEMPORARY SEDIMENT BASIN, STA NO - 213+10 LT SR 74	1041.61
165-0087	10	EA	150.00	MAINTENANCE OF SILT CONTROL GATE, TP 3	1500.00
165-0088	51	EA	50.00	MAINTENANCE OF SILT CONTROL GATE, TP 4	2550.00
165-0101	8	EA	400.00	MAINTENANCE OF CONSTRUCTION EXIT	3200.00
167-1000	2	EA	870.00	WATER QUALITY MONITORING AND SAMPLING	1740.00
167-1500	24	MO	850.00	WATER QUALITY INSPECTIONS	20400.00
171-0010	2000	LF	1.87	TEMPORARY SILT FENCE, TYPE A	3740.00
171-0020	2000	LF	1.81	TEMPORARY SILT FENCE, TYPE B	3620.00
171-0030	51897	LF	3.10	TEMPORARY SILT FENCE, TYPE C	160880.70
603-2182	930	SY	50.00	STN DUMPED RIP RAP, TP 3, 24 IN	46500.00
603-7000	930	SY	4.50	PLASTIC FILTER FABRIC	4185.00
700-6910	54	AC	800.00	PERMANENT GRASSING	43200.00
700-7000	162	TN	60.00	AGRICULTURAL LIME	9720.00
700-7010	135	GL	22.00	LIQUID LIME	2970.00
700-8000	30	TN	270.00	FERTILIZER MIXED GRADE	8100.00
700-8100	48	LB	1.80	FERTILIZER NITROGEN CONTENT	86.40
710-9000	5000	SY	4.40	PERMANENT SOIL REINFORCING MAT	22000.00
Section Sub Total:					\$482,487.54

Total Estimated Cost: \$9,619,658.67

Estimate Report for file "BHF-209-1(3)"

Section Bridge					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-0000	30590	SF	75.00	New Bridge	2294250.00
540-1101	1	LS	113191.87	REMOVAL OF EXISTING BR, STA NO - 211+50 LT	113191.87
Section Sub Total:					\$2,407,441.87

Total Estimated Cost: \$2,407,441.87