D.O.T. 6

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FLF-540(26) Baldwin/Washington Cos.
P.I. No. 222280

OFFICE Preconstruction

DATE June 1, 1994

CW Hutto

FROM C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/se

Attachment

DISTRIBUTION:

John Lively
Bob Mustin
David Studstill
Herman Griffin
Toni Dunagan
Darrell Elwell
Charles Norris
Marion Waters

D.O.T. 66.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED
MAY 19 1994
PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE FLF-540(26), Baldwin/Washington Counties
P.I. No. 222280

OFFICE Environment/Location

DATE May 17, 1994

FROM David E. Studstill, P.E., State Environmental/Location Engineer

TO Frank L. Danchetz, P.E., Chief Engineer

SUBJECT Revised Project Concept Report- **S.R. 24 IMPROVEMENTS**

Project FLF-540(26) Baldwin/Washington Counties is approved to widen S.R. 24 as part of the Fall Line Freeway from C.R. 186 in Baldwin County to S.R. 68 in Washington County. S.R. 24 is planned to be widened to 4 lanes with a 44 foot grassed median. From the beginning of the project to C.R. 342, the proposed widening would be on the north side of the existing pavement. At that point, widening would transition to the south side of the existing pavement and continue to C.R. 291, where the widening would shift back to the north side of the existing pavement to approximately 2800 feet west of C.R. 289. From that point to 2000 feet east of C.R. 6, S.R. 24 is proposed to be relocated & realigned to improve the existing vertical alignment. From 2000 feet east of C.R. 6 to 3500 feet west of C.R. 5, the proposed improvements would be north of the existing roadway. At that point, the proposed lanes shift to the south side and continue east to tie into the existing four lane section, 1200 feet west of S.R. 68. The length of this project is 16.5 miles.

The approved S.R. 24 widening is proposed to be shortened into manageable sections for design purposes. Also,the alignment would be revised to avoid the historic resources identified along the project corridor. The revisions would be realignments on new location that reduces impacts to the resources.

The revised concept would begin 3100 feet south of C.R. 186/Crawford Rd. in Baldwin County, the eastern terminus of project FLF-540(22) Wilkinson/Baldwin Counties and end at C.R. 10/Indian Trail Road in Washington County, a distance of 7.5 miles. From the beginning of the project to east of Town Creek, the proposed widening would be on the north side of the existing pavement. From east of Town Creek to west of Gumm Creek, the proposed roadway would extend on new location north of the existing SR 24. West of Gumm Creek, the alignment ties back into the existing roadway with improvements on the north side of the existing pavement to 1600 feet west of CR 1/Leverett Rd. At that point, a relocation is proposed north of the existing SR 24, bridging Bluff Creek and Big Branch then turns southward crossing the existing SR 24 and ends at CR 10/Indian Trail Rd.

Estimated Costs:	Proposed	Approved	Prog. Date
Construction (incl. E & C and Infl.)	$ 14,278,000 (1996)	$ 22,362,000 (1994)	FY 98
Right-of-Way	$ 1,607,000 (1996)	$ 4,443,000 (1994)	FY 97
Utilities	LGPA anticipated	LGPA anticipated	

(cont'd)

Another project is recommended to be programmed from C.R. 10/Indian Trail Rd. eastward to just west of S.R. 68 in Washington County, a distance of 8 miles. The new alignment would continue east, south of the existing SR 24 and tie back into the existing roadway near CR 285. Improvements would be south of the existing travel lanes to C.R. 291, where the widening would shift back to the north side to approximately 2800 feet west of C.R. 289. From that point to 2000 feet east of C.R. 6, S.R. 24 is proposed to be relocated & realigned to improve the existing vertical alignment. From 2000 feet east of C.R. 6 to 3500 feet west of C.R. 5, the proposed improvements would be on the north side of the existing roadway. At that point, the proposed widening would shift to the south side and continues east to tie into the existing four lane section just west of S.R. 68.

Estimated Costs:	Proposed	Approved
Construction (incl. E&C and Infl.)	$ 15,863,000 (1996)	N/A
Right-of-Way	$ 1,606,000 (1996)	N/A
Utilities	LGPA anticipated	

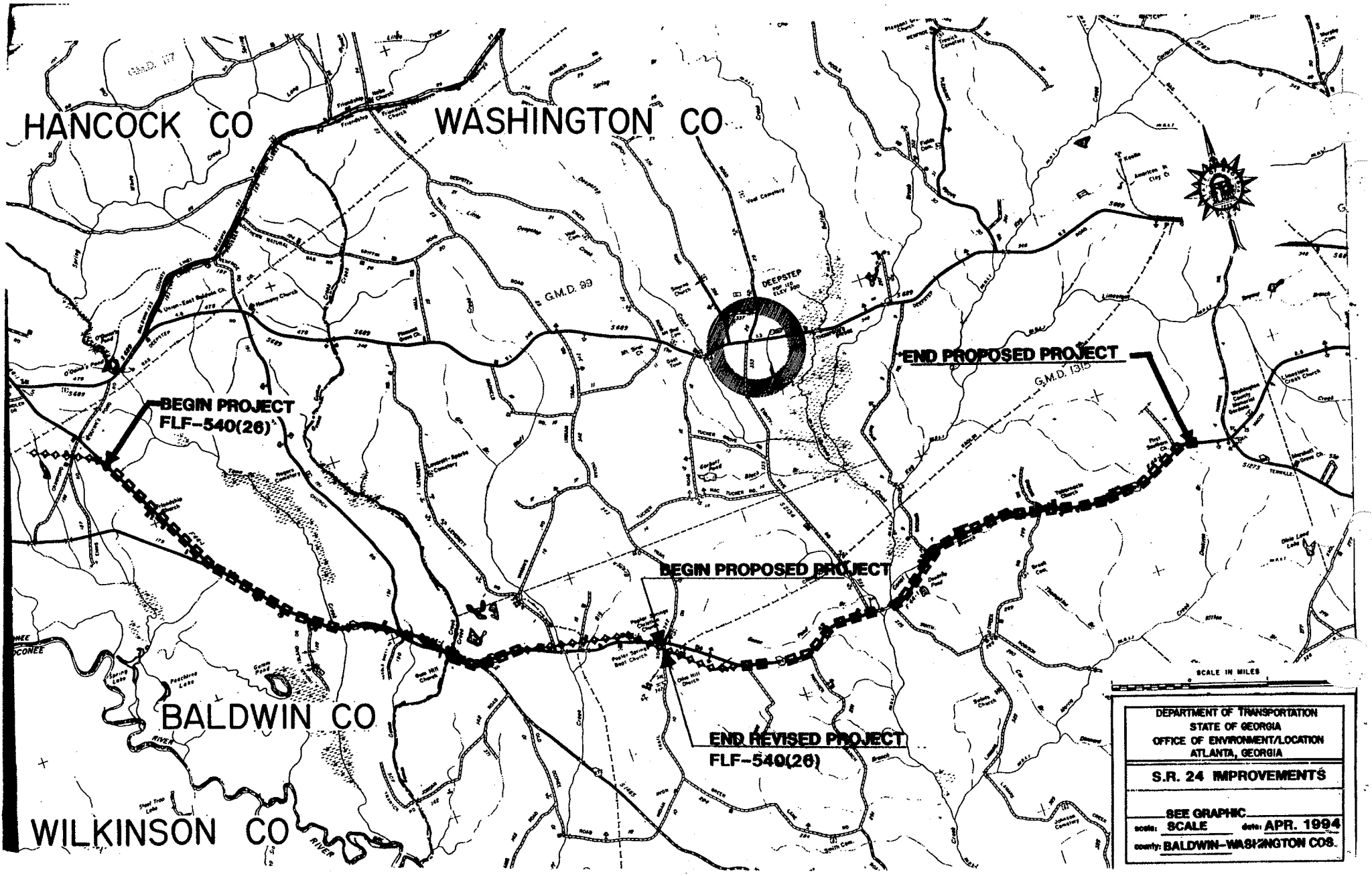
It is recommended that the revision to this concept be approved for implementation.

DES/AR

Attachments: Sketch Map
Cost Estimate

Concur: _____
Hoyt J. Lively, Jr., P.E.
Director of Preconstruction

Approve: _____
Frank L. Danchetz, P.E., Chief Engineer


HANCOCK CO
WASHINGTON CO
BALDWIN CO
WILKINSON CO
BEGIN PROJECT
FLF-540(26)
END PROPOSED PROJECT
BEGIN PROPOSED PROJECT
END REVISED PROJECT
FLF-540(26)
G.M.D. 99
G.M.D. 131
DEEPSTEP
SCALE IN MILES
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION
ATLANTA, GEORGIA
S.R. 24 IMPROVEMENTS
SEE GRAPHIC
scale: SCALE
date: APR. 1994
county: BALDWIN-WASHINGTON COS.

PRELIMINARY COST ESTIMATE

OFFICE OF ENVIRONMENT/LOCATION

P.I. NO: 222280 DATE: 04-28-1994

PROJECT NO: FLF-540(26)

PROJECT NAME: SR 24 IMPROVEMENT SECTION # 1

COUNTY: BALDWIN/WASHINGTON

PROJECT DESCRIPTION: BEGINNING 3100' SOUTH OF CR 186/CRAWFORD RD. AND PROCEEDING EAST ALONG THE EXISTING 24 CORRIDOR TO INDIAN TRAIL RD./CR 10.

PROJECT LENGTH: 7.500 MILES SECTION LENGTH: 3.930 MILES

TYPICAL SECTION:
RURAL NEW LOCATION-4-LANES WITH 44' DIV. MEDIAN (48' PAV'T)

Minimum R/W = 250 ft

EXISTING ROADWAY (If Applicable): SR 24

TRAFFIC:

INITIAL DESIGN YEAR: 1996 DAILY VOLUME (AADT): 5,400

FINAL DESIGN YEAR: 2016 DAILY VOLUME (AADT): 9,770

( )FEASIBILITY STUDY ( )PRE-PROGRAMMING PROCESS (X)PROGRAMMING PROCESS

COMMENTS: NONE

PREPARED BY: ROBINSON

PROJECT COSTS

A. RIGHT-OF-WAY	
1. PROPERTY (Land and Easements)	$ 1,607,000
2. DISPLACEMENTS	$ 0
3. OTHER COST	$ 0
SUBTOTAL	$ 1,607,000
B. REIMBURSABLE UTILITIES	
1. RAILROAD	$ 0
2. TRANSMISSION LINES	$ 0
3. SERVICES	$ 0
SUBTOTAL	$ 0
C. MAJOR STRUCTURES	
1. WALLS	$ 100,000
CEMETERY BOUNDARY FRONTING SR 24.	
2. BRIDGE STREAM CROSSING	$ 296,000
BLUFF CREEK, BIG BRANCH	
3. BRIDGE OVER/UNDERPASS	$ 0
4. BOX CULVERTS	$ 0
SUBTOTAL	$ 396,000
D. GRADING AND DRAINAGE	
1. EARTHWORK	
a. UNCLASSIFIED EXCAVATION SOIL	$ 590,000
295,000 CY @ $2.00	
b. UNCLASSIFIED EXCAVATION ROCK	$ 0
0 CY @ $4.00	
c. BORROW EXCAVATION	$ 0
0 CY @ $3.00	
2. DRAINAGE	
a. MINOR DRAINAGE (INCLUDING CROSS DRAIN PIPES & LONGITUDINAL SYSTEM)	$ 323,000
3.930 MILES @ $82,080	
b. CURB AND GUTTER	$ 0
0 LF @ $7.34	
SUBTOTAL	$ 913,000

PROJECT COSTS
con't.

E. BASE AND PAVING

1. GRADED AGGREGATE BASE — $ 1,036,000
   10.00" -- 86,322 T @ $12.00

2. ASPHALT PAVING
   a. ASPHALTIC CONCRETE "E" — $ 649,000
      2.00" -- 19,090 T @ $34.00
   b. ASPHALTIC CONCRETE "B" — $ 630,000
      2.00" -- 19,090 T @ $33.00
   c. ASPHALTIC CONCRETE BASE — $ 955,000
      5.00" -- 31,817 T @ $30.00
   d. BITUMINOUS TACK COAT — $ 13,000
      15,710 G @ $0.81

3. CONCRETE PAVING — $ 24,000

4. OTHER PAVING — $ 331,000

SUBTOTAL $ 3,638,000

F. LUMP ITEMS

1. TRAFFIC CONTROL — $ 25,000

2. CLEARING AND GRUBBING — $ 560,000
   119 ACRES @ $4,700

3. LANDSCAPING — $ 200,000
   3.930 MILES @ $51,000

4. EROSION CONTROL — $ 189,000
   3.930 MILES @ $48,000

5. DETOURS (INCL. TEMP. BRIDGES) — $ 0

SUBTOTAL $ 974,000

G. MISCELLANEOUS

1. SIGNING/STRIPING — $ 145,000
   3.930 MILES @ $37,000

2. GUARDRAIL — $ 32,000
   2,500 LF @ $9.33 + 12 Anchors @ $773.52

3. OTHER — $ 633,000
   3.930 MILES @ $161,100

SUBTOTAL $ 810,000

H. SPECIAL FEATURES — $ 0

ESTIMATE SUMMARY

			SECTION COST (per mile)
A. RIGHT-OF-WAY	$	1,607,000	$ 409,000
B. REIMBURSABLE UTILITIES	$	0	$ 0
CONSTRUCTION COST SUMMARY			
C. MAJOR STRUCTURES	$	396,000	
D. GRADING AND DRAINAGE	$	913,000	
E. BASE AND PAVING	$	3,638,000	
F. LUMP ITEMS	$	974,000	
G. MISCELLANEOUS	$	810,000	
H. SPECIAL FEATURES	$	0	
SUBTOTAL CONSTRUCTION COST	$	6,731,000	$ 1,713,000
E. & C. (10%)	$	673,000	
INFLATION...2 yr(s) @ 5% per year	$	759,000	
TOTAL CONSTRUCTION COST	$	8,163,000	$ 2,077,000
GRAND TOTAL CONSTRUCTION COST	$	9,770,000	$ 2,486,000

RURAL NEW LOCATION-4-LANES WITH 44 DIV MEDIAN (48' PAV'T)

PRELIMINARY COST ESTIMATE

OFFICE OF ENVIRONMENT/LOCATION

P.I. NO: 222280 DATE: 04-28-1994

PROJECT NO: FLF-540(26)

PROJECT NAME: SR 24 IMPROVEMENTS SECTION # 1

COUNTY: BALDWIN/WASHINGTON

PROJECT DESCRIPTION: SECTION #1 CR 186/CRAWFORD RD. EAST TO INDIAN TRAIL RD.

PROJECT LENGTH: 7.500 MILES SECTION LENGTH: 2.570 MILES

TYPICAL SECTION:
RURAL WIDENING-2 TO 4 LANES WITH 44' DIV MEDIAN (48' PAV T)

Minimum R/W = 210 ft

EXISTING ROADWAY (If Applicable): SR 24

TRAFFIC:

INITIAL DESIGN YEAR: 1996 DAILY VOLUME (AADT): 5,400

FINAL DESIGN YEAR: 2016 DAILY VOLUME (AADT): 9,720

( )FEASIBILITY STUDY ( )PRE-PROGRAMMING PROCESS (X)PROGRAMMING PROCESS

COMMENTS: NONE

PREPARED BY: ROBINSON

PROJECT COSTS

A. RIGHT-OF-WAY
1. PROPERTY (Land and Easements) $ 0
2. DISPLACEMENTS $ 0
3. OTHER COST $ 0

SUBTOTAL $ 0

B. REIMBURSABLE UTILITIES
1. RAILROAD $ 0
2. TRANSMISSION LINES $ 0
3. SERVICES $ 0

SUBTOTAL $ 0

C. MAJOR STRUCTURES
1. WALLS $ 0

2. BRIDGE STREAM CROSSING $ 838,000
TOWN CREEK & GUMM CREEK

3. BRIDGE OVER/UNDERPASS $ 0

4. BOX CULVERTS $ 0

SUBTOTAL $ 838,000

D. GRADING AND DRAINAGE

1. EARTHWORK
a. UNCLASSIFIED EXCAVATION SOIL $ 286,000
143,000 CY @ $2.00
b. UNCLASSIFIED EXCAVATION ROCK $ 0
0 CY @ $4.00
c. BORROW EXCAVATION $ 0
0 CY @ $3.00

2. DRAINAGE
a. MINOR DRAINAGE (INCLUDING CROSS DRAIN PIPES & LONGITUDINAL SYSTEM) $ 143,000
3.570 MILES @ $39,960
b. CURB AND GUTTER $ 0
0 LF @ $7.34

SUBTOTAL $ 429,000

PROJECT COSTS
con't.

E. BASE AND PAVING

1. GRADED AGGREGATE BASE — $ 579,000
   10.00" -- 48,255 T @ $12.00

2. ASPHALT PAVING
   a. ASPHALTIC CONCRETE "E" — $ 786,000
      2.00" -- 23,122 T @ $34.00
   b. ASPHALTIC CONCRETE "B" — $ 763,000
      2.00" -- 23,122 T @ $33.00
   c. ASPHALTIC CONCRETE BASE — $ 434,000
      5.00" -- 14,451 T @ $30.00
   d. BITUMINOUS TACK COAT — $ 11,00
      13,623 G @ $0.81

3. CONCRETE PAVING — $ 25,000

4. OTHER PAVING — $ 260,000

SUBTOTAL $ 2,858,000

F. LUMP ITEMS

1. TRAFFIC CONTROL — $ 32,000

2. CLEARING AND GRUBBING — $ 427,000
   91 ACRES @ $4,700

3. LANDSCAPING — $ 64,000
   3.570 MILES @ $18,000

4. EROSION CONTROL — $ 86,000
   3.570 MILES @ $24,000

5. DETOURS (INCL. TEMP. BRIDGES) — $ 0

SUBTOTAL $ 609,000

G. MISCELLANEOUS

1. SIGNING/STRIPING — $ 107,000
   3.570 MILES @ $30,000

2. GUARDRAIL — $ 77,000
   7,240 LF @ $9.33 + 12 Anchors @ $773.52

3. OTHER — $ 125,000
   3.570 MILES @ $35,100

SUBTOTAL $ 309,000

H. SPECIAL FEATURES — $ 0

ESTIMATE SUMMARY

			SECTION COST (per mile)
A. RIGHT-OF-WAY	$	0	$ 0
B. REIMBURSABLE UTILITIES	$	0	$ 0

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES	$	838,000	
D. GRADING AND DRAINAGE	$	429,000	
E. BASE AND PAVING	$	2,858,000	
F. LUMP ITEMS	$	609,000	
G. MISCELLANEOUS	$	309,000	
H. SPECIAL FEATURES	$	0	
SUBTOTAL CONSTRUCTION COST	$	5,043,000	$ 1,413,000
E. & C. (10%)	$	504,000	
INFLATION...2 yr(s) @ 5% per year	$	568,000	
TOTAL CONSTRUCTION COST	$	6,115,000	$ 1,713,000
GRAND TOTAL CONSTRUCTION COST	**$**	**6,115,000**	**$ 1,713,000**

RURAL WIDENING-2 TO 4 LANES WITH 44' DIV MEDIAN (48' PAV'T)

PRELIMINARY COST ESTIMATE

OFFICE OF ENVIRONMENT/LOCATION

DATE: 04-28-1994

P.I. NO: _____

PROJECT NO: _____

PROJECT NAME: SR 24 IMPROVEMENTS SECTION #2

COUNTY: BALDWIN/WASHINGTON

PROJECT DESCRIPTION: FROM INDIAN TRAIL RD./CR 10 SOUTH OF THE POPLAR SPRINGSCOMMUNITY EAST ON NEW LOCATION TO THE EXISTING SR 24 THEN CONTINUING ALONG THE SR 24 CORRIDOR TO THE EXISTING 4 LANE SECTION.

PROJECT LENGTH: 8.000 MILES

SECTION LENGTH: 2.390 MILES

TYPICAL SECTION:
RURAL NEW LOCATION 4-LANE D WITH 44' DIV MEDIAN (48' PAV'T)

Minimum R/W = 250 ft

EXISTING ROADWAY (If Applicable): SR 24

TRAFFIC:

INITIAL DESIGN YEAR: 1996 DAILY VOLUME (AADT): 5,400

FINAL DESIGN YEAR: 2016 DAILY VOLUME (AADT): 9,770

( )FEASIBILITY STUDY ( )PRE-PROGRAMMING PROCESS (X)PROGRAMMING PROCESS

COMMENTS: NONE

PREPARED BY: ROBINSON

PROJECT COSTS

A. RIGHT-OF-WAY
1. PROPERTY (Land and Easements) $ 1,607,000
2. DISPLACEMENTS $
3. OTHER COST $ 0

SUBTOTAL $ 1,607,000

B. REIMBURSABLE UTILITIES
1. RAILROAD $ 0
2. TRANSMISSION LINES $ 0
3. SERVICES $ 0

SUBTOTAL $ 0

C. MAJOR STRUCTURES
1. WALLS $ 0

2. BRIDGE STREAM CROSSING $ 0

3. BRIDGE OVER/UNDERPASS $ 0

4. BOX CULVERTS $ 150,000
DOUBLE 6 X 3 AND DOUBLE 6 X 8

SUBTOTAL $ 150,000

D. GRADING AND DRAINAGE

1. EARTHWORK
a. UNCLASSIFIED EXCAVATION SOIL $ 360,000
180,000 CY @ $2.00
b. UNCLASSIFIED EXCAVATION ROCK $ 0
0 CY @ $4.00
c. BORROW EXCAVATION $ 0
0 CY @ $3.00

2. DRAINAGE
a. MINOR DRAINAGE (INCLUDING CROSS DRAIN PIPES & LONGITUDINAL SYSTEM) $ 196,000
2.390 MILES @ $82,080
b. CURB AND GUTTER $ 0
0 LF @ $7.34

SUBTOTAL $ 556,000

PROJECT COSTS
con't.

E. BASE AND PAVING	
1. GRADED AGGREGATE BASE	$ 630,000
10.00" -- 52,496 T @ $12.00	
2. ASPHALT PAVING	
a. ASPHALTIC CONCRETE "E"	$ 395,000
2.00" -- 11,610 T @ $34.00	
b. ASPHALTIC CONCRETE "B"	$ 383,000
2.00" -- 11,610 T @ $33.00	
c. ASPHALTIC CONCRETE BASE	$ 580,000
5.00" -- 19,349 T @ $30.00	
d. BITUMINOUS TACK COAT	$ 8,000
9,554 G @ $0.81	
3. CONCRETE PAVING	$ 75,000
4. OTHER PAVING	$ 207,000
SUBTOTAL	$ 2,278,000
F. LUMP ITEMS	
1. TRAFFIC CONTROL	$ 20,000
2. CLEARING AND GRUBBING	$ 340,000
72 ACRES @ $4,700	
3. LANDSCAPING	$ 122,000
2.390 MILES @ $51,000	
4. EROSION CONTROL	$ 115,000
2.390 MILES @ $48,000	
5. DETOURS (INCL. TEMP. BRIDGES)	$ 0
SUBTOTAL	$ 597,000
G. MISCELLANEOUS	
1. SIGNING/STRIPING	$ 88,000
2.390 MILES @ $37,000	
2. GUARDRAIL	$ 29,000
2,500 LF @ $9.33 + 8 Anchors @ $773.52	
3. OTHER	$ 385,000
2.390 MILES @ $161,100	
SUBTOTAL	$ 502,000
H. SPECIAL FEATURES	$ 0

ESTIMATE SUMMARY

		SECTION COST (per mile)
A. RIGHT-OF-WAY.....	$ 1,607,000	$ 672,000
B. REIMBURSABLE UTILITIES.....	$ 0	$ 0

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES.....	$ 150,000	
D. GRADING AND DRAINAGE.....	$ 556,000	
E. BASE AND PAVING.....	$ 2,278,000	
F. LUMP ITEMS.....	$ 597,000	
G. MISCELLANEOUS.....	$ 502,000	
H. SPECIAL FEATURES.....	$ 0	
SUBTOTAL CONSTRUCTION COST.....	$ 4,083,000	$ 1,708,000
E. & C. (10%).....	$ 408,000	
INFLATION...2 yr(s) @ 5% per year	$ 461,000	
TOTAL CONSTRUCTION COST.....	$ 4,952,000	$ 2,072,000

GRAND TOTAL CONSTRUCTION COST $ [redacted]

RURAL NEW LOCATION-4-LANES WITH 44' DIV MEDIAN (48' PAV'T)

PRELIMINARY COST ESTIMATE

OFFICE OF ENVIRONMENT/LOCATION

P.I. NO: _____ DATE: 04-28-1994

PROJECT NO: _____

PROJECT NAME: SR 24 IMPROVEMENTS SECTION #2

COUNTY: BALDWIN/WASHINGTON

PROJECT DESCRIPTION: BEGINNING AT INDIAN TRAIL RD./CR 10 ON NEW LOCATION SOUTH OF THE POPLAR SPRINGS COMMUNITY AND PROCEEDING EAST TO EXISTING SR 24 @ CR 285 THEN ALONG THE SR 24 CORRIDOR TO THE EXISTING 4 LANE SECTION.

PROJECT LENGTH: 8.[illegible] MILES SECTION LENGTH: 5.610 MILES

TYPICAL SECTION:
RURAL WIDENING-2 TO 4 LANES WITH 44 DIV MEDIAN 148 PAV [illegible]

Minimum R/W = 210 ft

EXISTING ROADWAY (If Applicable): SR 24

TRAFFIC:

INITIAL DESIGN YEAR: 1996 DAILY VOLUME (AADT): [illegible],400

FINAL DESIGN YEAR: 2016 DAILY VOLUME (AADT): 9,770

( )FEASIBILITY STUDY ( )PRE-PROGRAMMING PROCESS (X)PROGRAMMING PROCESS

COMMENTS: NONE

PREPARED BY: ROBINSON

PROJECT COSTS

A. RIGHT-OF-WAY	
1. PROPERTY (Land and Easements)	$ 1,606,000
2. DISPLACEMENTS	$ 0
3. OTHER COST	$ 0
SUBTOTAL	$ 1,606,000
B. REIMBURSABLE UTILITIES	
1. RAILROAD	$ 0
2. TRANSMISSION LINES	$ 0
3. SERVICES	$ 0
SUBTOTAL	$ 0
C. MAJOR STRUCTURES	
1. WALLS	$ 0
2. BRIDGE STREAM CROSSING BUFFALO CREEK AND BUFFALO CREEK OVERFLOW	$ 2,450,000
3. BRIDGE OVER/UNDERPASS	$ 0
4. BOX CULVERTS	$ 0
SUBTOTAL	$ 2,450,000
D. GRADING AND DRAINAGE	
1. EARTHWORK	
a. UNCLASSIFIED EXCAVATION SOIL 224,400 CY @ $2.00	$ 449,000
b. UNCLASSIFIED EXCAVATION ROCK 0 CY @ $4.00	$ 0
c. BORROW EXCAVATION 0 CY @ $3.00	$ 0
2. DRAINAGE	
a. MINOR DRAINAGE (INCLUDING CROSS DRAIN PIPES & LONGITUDINAL SYSTEM) 5.610 MILES @ $39,960	$ 224,000
b. CURB AND GUTTER 0 LF @ $7.34	$ 0
SUBTOTAL	$ 673,000

PROJECT COSTS
con't.

E. BASE AND PAVING	
1. GRADED AGGREGATE BASE	$ 910,000
10.00" -- 75,829 T @ $12.00	
2. ASPHALT PAVING	
a. ASPHALTIC CONCRETE "E"	$ 1,235,000
2.00" -- 36,335 T @ $34.00	
b. ASPHALTIC CONCRETE "B"	$ 1,199,000
2.00" -- 36,335 T @ $33.00	
c. ASPHALTIC CONCRETE BASE	$ 681,000
5.00" -- 22,709 T @ $30.00	
d. BITUMINOUS TACK COAT	$ 17,000
21,407 G @ $0.81	
3. CONCRETE PAVING	$ 25,000
4. OTHER PAVING	$ 407,000
SUBTOTAL	$ 4,474,000
F. LUMP ITEMS	
1. TRAFFIC CONTROL	$ 50,000
2. CLEARING AND GRUBBING	$ 671,000
[illegible] ACRES @ $4,[illegible]	
3. LANDSCAPING	$ 101,000
5.610 MILES @ $18,[illegible]	
4. EROSION CONTROL	$ 135,000
5.610 MILES @ $24,[illegible]	
5. DETOURS (INCL. TEMP. BRIDGES)	$ 0
SUBTOTAL	$ 957,000
G. MISCELLANEOUS	
1. SIGNING/STRIPING	$ 168,000
5.610 MILES @ $30,000	
2. GUARDRAIL	$ 77,000
7,240 LF @ $9.33 + 12 Anchors @ $773.52	
3. OTHER	$ 197,000
5.610 MILES @ $35,100	
SUBTOTAL	$ 442,000
H. SPECIAL FEATURES	$ 0
NONE	

ESTIMATE SUMMARY

		SECTION COST (per mile)
A. RIGHT-OF-WAY.....	$ 1,606,000	$ 286,000
B. REIMBURSABLE UTILITIES.....	$ 0	$ 0
CONSTRUCTION COST SUMMARY		
C. MAJOR STRUCTURES.....	$ 2,450,000	
D. GRADING AND DRAINAGE.....	$ 673,000	
E. BASE AND PAVING.....	$ 4,474,000	
F. LUMP ITEMS.....	$ 957,000	
G. MISCELLANEOUS.....	$ 442,000	
H. SPECIAL FEATURES.....	$ 0	
SUBTOTAL CONSTRUCTION COST.....	$ 8,996,000	$ 1,604,000
E. & C. (10%).....	$ 900,000	
INFLATION...2 yr(s) @ 5% per year	$ 1,015,000	
TOTAL CONSTRUCTION COST.....	$ 10,911,000	$ 1,945,000
GRAND TOTAL CONSTRUCTION COST	$ 12,517,000	$ 2,231,000

RURAL WIDENING-2 TO 4 LANES WITH 44' DIV MEDIAN (48' PAV'T)