FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	F. A. PROJ.	ROUTE	SHEET NO.	TOTAL SHEETS
3	S. C.	Williamsburg	45.332	S-1072(1) S-1095(1)	40 430	1	48

INDEX OF SHEETS

SOUTH CAROLINA
STATE HIGHWAY DEPARTMENT
COLUMBIA

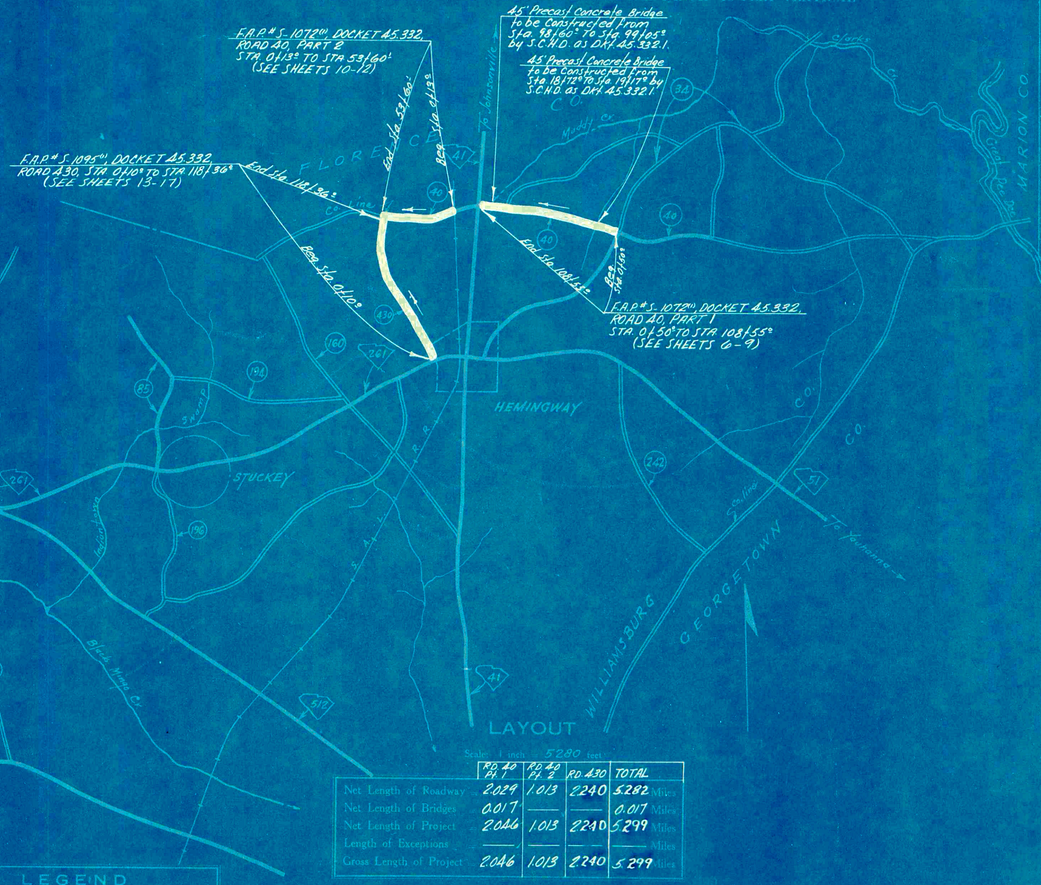
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

F.A.P. No. S-1072(1), ROAD 40, PT. 1 & PT. 2
FROM ROAD 34 TO ROAD 430
F.A.P. No. S-1095(1), ROAD 430
FROM ROUTE 261 TO ROAD 40

WILLIAMSBURG COUNTY

DOCKET No. 45.332

SCALES: PLAN AND PROFILE: 1 INCH 100 FEET HORIZONTAL: 1 INCH 10 FEET VERTICAL



SUMMARY OF ESTIMATED QUANTITIES

	RD 40 PART 1	RD 40 PART 2	RD 430	TOTAL	
EARTHWORK	Nec.	Nec.	Nec.		
Clearing and Grubbing within Roadway	1.0	1.0	1.0	3.0	Acres
Clearing and Grubbing of Borrow and Material Pits	11,067	5,253	9,269	25,589	C.Y.
Unclassified Excavation	49,272	23,342	45,513	118,127	C.Y.M.
Overhaul	1,290	644	1,489	3,423	C.Y.
Selected Material for Shoulders					
BASE COURSE					
Earth Type Base Course (Pit Material)	5,459	2,749	5,969	14,177	C.Y.
Scarifying, Mixing, Remixing, Shaping and Reshaping	26,251	13,226	28,690	68,167	M.S.Y.
SURFACING					
Bituminous Surfacing (Double Treatment) Types 1 thru 6	25,061	12,632	27,377	65,070	S.Y.
STRUCTURES					
15" R.C. Culvert Pipe	260	200	200	660	L.F.
18" R.C. Culvert Pipe	356	108	388	852	L.F.
24" R.C. Culvert Pipe	124	76	76	276	L.F.
30" R.C. Culvert Pipe	56	44	—	100	L.F.
15" Reland Pipe Culvert	24	—	22	46	L.F.
18" Reland Pipe Culvert	144	24	167	335	L.F.
24" Reland Pipe Culvert	56	106	212	374	L.F.
INCIDENTALS					
4" Pipe Underdrain	200	—	—	200	L.F.
Reset Fence	6000	1500	1950	9450	L.F.
Moving Item #1 - Rt. Sta. 16+82	—	—	L.S.	—	—

CONVENTIONAL SIGNS

State Line		Trolley Poles	
County Line		Power Poles	
City or Town Limits		Telephone or Telegraph Poles	
Property Line		Marsh	
Fence	x — x	Trees	
Retaining Wall		Brush	
Existing Road		Stumps	
℄ and R.O.W. Lines of		Buildings	
Proposed Road		Bridge	
Railroad		Concrete Box Culvert	
Levee or Embankment		Pipe Culvert	
Guard Rail		Drop Inlet and Culvert	
Point of Intersection (P. I.)	△	Hub on Center Line	

LEGEND

PROPOSED PROJECT — PAV. — SD.
OTHER ROADS

LAYOUT

Scale: 1 inch = 5280 feet

	RD 40 Pt 1	RD 40 Pt 2	RD 430	TOTAL	
Net Length of Roadway	2.029	1.013	2.240	5.282	Miles
Net Length of Bridges	0.017	—	—	0.017	Miles
Net Length of Project	2.046	1.013	2.240	5.299	Miles
Length of Exceptions	—	—	—	—	Miles
Gross Length of Project	2.046	1.013	2.240	5.299	Miles

Equations in Stationing

NONE

Note: All workmanship and material on this project to conform with South Carolina State Highway Department Standard Specifications for Highway Construction dated Nov. 1, 1955

APPROVED:

S.M. Beaman 5-25-57
STATE HIGHWAY ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:

DISTRICT ENGINEER DATE

APPROVED:

DIVISION ENGINEER DATE

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	Williamsburg	45.332	S-1072(1)	40	9	48


FED. ROAD DIV. NO. 3
STATE S. C.
COUNTY Williamsburg
DOCKET NO. 45.332
F.A. PROJECT NO. 5-1072(1)
Rd. NO. 40
SHEET NO. 20
TOTAL SHEETS 48
Pt. 2
6" Oak
5" Oak
7" Pine
36.10
29.30
22.98
P.C. = 18+62.1
Sign Post
24" Oak
49.80
21.55
P.I. = 0+00
28.17
J.R. NEWMAN
J.L. NEWELL
J.R. NEWMAN EST.
K.N. HUGGINS
To Route 41 & 51
Rd. 40 18' Bit. Surf.
179° 52'
33' R/W.
S 89° 15' W
Place 20'-15" R.C. Pipe
Place 40'-18" R.C. Pipe
Retain 14'-24" R.C. Pipe & Add 28'-24" R.C. Pipe
Place 32'-18" R.C. Pipe
20'-15" RCP
Co. Rd.
15 Strand B.W.
Barn
T.H.
Drive
Guy
36" Oak
Ditch
P.C. = 18+62.1
Survey sta. 0+13 Eq. F.A.P. 5-1072(1) Doc. 45.332 Rd. 40 Part 2 at Rd. 40
PLAN
PROFILE
B.M. No. 1 - Nail in base Power Pole 26 Rt. Sta. 0+06 El. = 50.00 Assumed
B.M. No. 2 - Nail in base 12" Pine 40 Rt. Sta. 10+70 El. = 49.65
The following quantities are not shown in detail on the plans but are included in the Summary of Estimated quantities and may be varied during construction as directed by the Engineer.
Overhaul _____ 19243 C.Y.H.M. for base course material
11688 C.Y.H.M. for shoulder Material
Earth type base Course _ 150 C.Y. for Intersections and Drives
25% for Compaction
Scarifying, Mixing etc. _ 0.150 M.S.Y. for Intersections and Drives
Bituminous Surfacing _ 750 S.Y. for Intersections and Drives
15" R.C. Pipe _____ 20 L.F. for Additional side Lines
18" R.C. Pipe _____ 20 L.F. for Additional side Lines
Reset Fences _____ 1500 L.F. where directed by the Engineer
Subgrade
Exc. 481 Emb. 344
Bor. 40% 138
Tot. 482 Tot. 482
Exc. 720 Emb. 514
40% 206
Tot. 720 Tot. 720
Overhaul = 32 C.Y.H.M.
P.I. = 7+00
El. = 50.51
+0.22%
-0.36%
0.00%
300' V.C.
P.I. = 12+50
El. = 48.67
DA. = 10 Ac.
DA. = 23 Ac.
C. = 0.3
Construct Berm Ditch on Lt. Sta. 8+00 to Sta. 10+00
Construct Special Ditch Sta. 0+13 to Sta. 4+64
Construct Special Ditch Sta. 12+50 to Sta. 20+50
Use 2.6-36 section thruout Except as noted.
Use 26-40 Sta. 0+13 to sta. 4+64 & sta. 12+50 to sta. 20+50
0+13
7+37
19+79
50
40
0 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 20
1121 cy
32 cy/hm
PLATE 1 - PLAN - PROFILE O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO. NEW YORK

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	Rd. NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	Williamsburg	45.332	5-1072(1)	S-40	11	48

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	F.A. PROJECT NO.	~~ROUTE~~ Rd. NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	Williamsburg	45.332 Pt. 2	S-1072(1)	S-40	12	48

Pt 2