

INDEX OF SHEETS

SHEET No.	TITLE PAGE
" 2	TYPICAL CROSS SECTIONS OF IMPROVEMENT
" 3	ENDWALLS FOR PIPE CULVERTS
" 4	SUPERELEVATION STANDARD
" 5-28	PLAN AND PROFILE STA. 0+00 TO STA. 708+50
" 28A	5'x5' R.C. BOX CULVERT - STA. 66+25
" 28B	QUADRUPLE 8'x4' R.C. BOX CULVERT - STA. 68+50
" 29-79	CROSS SECTIONS - STA. 0+00 TO STA. 708+50

SOUTH CAROLINA STATE HIGHWAY DEPARTMENT COLUMBIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

STATE DOCKET NO. 40.236

ROUTE NO. 48

RICHLAND COUNTY SECTION BETWEEN COLUMBIA AND GADSDEN

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

FED. ROAD DIST. NO.	STATE	COUNTY	DOCKET NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
14	S. C.	RICHLAND	40.236	48	1	79

SUMMARY OF ESTIMATED QUANTITIES

STATION	SHEET NO.	ITEM	CONCRETE (CU. YD.)	CLASS "A"	CLASS "B"	REINFORCING STEEL (LBS.)	EXC. (CU. YD.)	SLURRY GATE	ADWALLS (LBS.)	PILES (LINEAR FEET)	TREES (LINEAR FEET)	TOTAL RAP	UNPAVED THICKNESS
66+25	74	ENDWALLS FOR PIPE CULVERTS	9.96	424								600	
68+50	74	QUADRUPLE 8'x4' R.C. BOX CULVERT	86.42	13,378	50	2161	810					0.984	1.166
68+50	74	5'x5' R.C. BOX CULVERT	155.30	27,827	1120	74.1							
TOTALS			241.72	3,96	41,291	1170	L.S.	95.71		810	600	2,150	
TOTAL PIPE FOR CULVERTS													
DIAM.													
15"		LINEAR FEET	1713										
18"		LINEAR FEET	549										
24"		LINEAR FEET	141										
30"		LINEAR FEET	128										
36"		LINEAR FEET	76										
TOTALS													
TOTAL CLEARING AND GRUBBING WITHIN RIGHT OF WAY													
TOTAL CLEARING AND GRUBBING OF BORROW AND MATERIAL BITS													
TOTAL COMMON EXCAVATION													
TOTAL OVERHAUL													
TOTAL SELECTED MATERIAL FOR SHOULDER													
TOTAL EARTH TYPE SURFACE COURSE (PIT MATERIAL)													
TOTAL SCRAPING MIXING REMAINING SHAPING AND RESHAPING													
TOTAL ADDITIONAL SCRAPING MIXING REMAINING SHAPING AND RESHAPING													

* INCLUDES 3 TONNES ON OUTCROP DITCHES
* INCLUDES 21.75 CY FOR DITCHES AND 116.10 CY FOR REMOVING AND BACKFILLING OF UNSTABLE MATERIAL
* INCLUDES 35,438 CY IN ROADWAY
* INCLUDES 10% FOR ANY EXTRA MATERIAL NECESSARY
* INCLUDES 531 CY FOR CONSTRUCTION AND 280 CY FOR COUNTY ROAD CONNECTIONS
* INCLUDES 1,000 M. CY FOR COUNTY ROAD CONNECTIONS

SURVEY STA. 0+00 BEGINNING OF
STATE DOCKET NO. 40.236
APPROXIMATELY 5.0 MILES
SOUTHEAST OF COLUMBIA.



CONVENTIONAL SIGNS

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

LEGEND

PROPOSED PROJECT
OTHER ROADS

LAYOUT

Scale: 1 inch = 2700 feet

Net Length of Roadway	13.363	Miles
Net Length of Bridges	0.062	Miles
Net Length of Project	13.425	Miles
Length of Exceptions	0.010	Miles
Gross Length of Project	13.435	Miles

Equalities in Stationing
STA. 34+820 to STA. 34+720
STA. 148+000 to STA. 148+000

Note: All workmanship and material on this project to conform with South Carolina State Highway Department Standard Specifications for Highway Construction Dated March 15, 1939, as amended and approved by the U. S. Secretary of Agriculture

APPROVED
E. R. McMillan
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL
DATE

RECOMMENDED FOR APPROVAL
DATE

RECOMMENDED FOR APPROVAL
DATE

RECOMMENDED FOR APPROVAL
DATE

RECOMMENDED FOR APPROVAL
DATE

RECOMMENDED FOR APPROVAL
DATE

RECOMMENDED FOR APPROVAL
DATE