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- " " 28A DETAIL OF INTERSECTION AT STR. 0+00

**STATE OF SOUTH CAROLINA  
STATE HIGHWAY DEPARTMENT**

**PLAN AND PROFILE OF PROPOSED  
STATE HIGHWAY**

E-FEDERAL AID PROJECT

No. ----14-REOP.

ROUTE NO. 28

**MCCORMICK COUNTY**

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

**FROM INTERSECTION WITH ROUTE 10 TO ABBEVILLE COUNTY LINE**

FED. ROAD DIST. NO.	STATE	COUNTY	E-FED. AID PROJ. NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
8	S. C.	MCCORMICK	14-REOP	20	1	128

**SUMMARY OF ESTIMATED QUANTITIES**

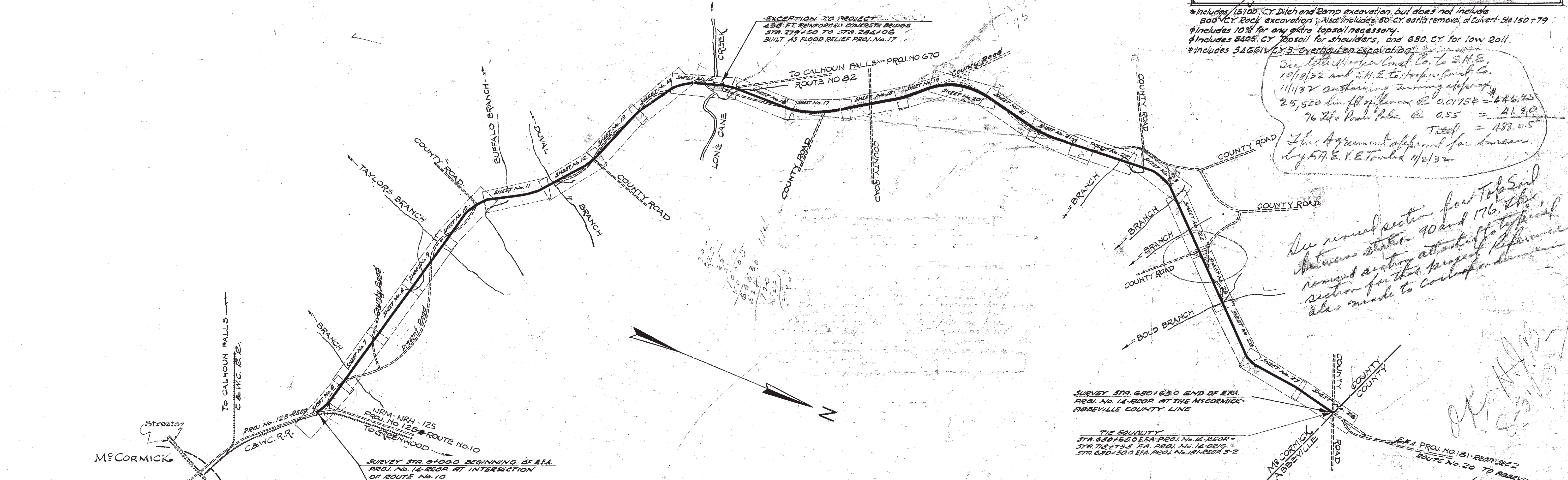
STATION	SHEET NO.	ITEM	CONCRETE (CU. YDS.)		REINFORCING STEEL (LBS.)	EXCAVATION (CU. YDS.)		PILES (LINEAR FEET)	
			CLASS "A"	CLASS "B"		STRUCTURES	WET	DRY	TREATED
27+20	7-29	ENDWALLS FOR PIPE CULVERTS			185.00				
27+20	7-29	4x6x60 R.C. BOX CULVERT	37.9		1,970	1.9			
28+55	9-30	6x6x7 1/2 R.C. BOX CULVERT (30° SKEW)	69.7		6,452	82			
108+80	9-31	10x10x12 R.C. BOX CULVERT	150.0		14,883	283			
150+79	11-37A	16x9x20 R.C. BOX CULVERT (45° SKEW)	51.5		7,936	50			
174+20	12-32	3x3-EXT. 10' EACH END R.C. BOX CULVERT	32.3		2,899	78			
261+36	15-32	6x6x28 R.C. BOX CULVERT EXT. 2' EACH END	3.0		209				
289+75	15-32	10x10x12 R.C. BOX CULVERT (45° SKEW)	218.7		21,884	267			
505+45	22-55	18x18 R.C. BOX CULVERT (30° SKEW)	60.3		6,459	133			
539+00	23-36	6x6x7 1/2 R.C. BOX CULVERT (30° SKEW)	69.7		6,528	228			
557+00	24-37	6x6x11 R.C. BOX CULVERT	107.0		12,716	188			
597+80	25-38-39	TRIPLE 12x15x38 R.C. BOX CULVERT	255.9		27,759	278			
<b>TOTAL PIPE FOR CULVERTS</b>			<b>705.2</b>	<b>1,450</b>	<b>120,908</b>	<b>2,800</b>			<b>780</b>

DIAM.	CORRUGATED IRON	REINFORCING	TOTAL CLEARING AND GRUBBING IN E.A.W.	LUMP SUM
15"	2,329	216	TOTAL COMMON EXCAVATION	208,500
18"	69	78	TOTAL 20% SOIL FOR BASE COURSE	800
30"			TOTAL BITUMINOUS SURFACING (WITH REIMS) WITHOUT SEAL COAT	56,359
			TOTAL SEAL COAT	149,175
			TOTAL OVERHAUL FOR ONE AND ONE HALF CENTS PER CU. YD. STA.	149,175
			TOTAL OVERHAUL ON TOPSOIL OR MATERIAL EXCAVATED	15,500
			TOTAL SCRAPING, MIXING AND REPAIRING, SHADING AND RESHADING	67,005
			TOTAL ADDITIONAL SCRAPING, MIXING AND REPAIRING, SHADING & RESHADING	34,100
			TOTAL 18 IN. G.I. AND T.E. BLAD PIPE	159
			TOTAL 15 IN. T.E. BLAD PIPE	270
			TOTAL 12 IN. G.I. BLAD PIPE	104
			TOTAL RIP RAP	510.76
			TOTAL 2 1/2" R.C. BLAD PIPE	78

\* Includes 15,100 CY Ditch and Ramp excavation, but does not include 800 CY Rock excavation; Also includes 80 CY earth removal of Culvert-36+150+79  
 † Includes 10% for any extra topsoil necessary.  
 ‡ Includes 8405 CY Topsoil for shoulders, and 680 CY for low roll.  
 § Includes 54661 CY 5" overhaul on excavation.  
 See letter 10/24/32  
 10/18/32 and S.H.E. to Topsoil Co.  
 11/13/32 authorizing moving of topsoil  
 25,500 lin. ft. of trench @ 0.0175¢ = 446.25  
 76 Tons Power Poles @ 0.55 = 41.80  
 Total = 488.05  
 This Agreement approved for American  
 by E.A. V.E. Towles 11/2/32

See revised section for Top Soil between station 90 and 176. This revised section at end of typical section for this project. Reference also made to correspondence.



**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	▲▲▲
℄ 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	—
OTHER ROADS	---

**LAYOUT**  
Scale: 1 inch = 2400'

Net Length of Roadway	= 12.672 Miles
Net Length of Bridges	= 0.017 Miles
Net Length of Project	= 12.689 Miles
Length of Exceptions	= 0.086 Miles
Gross Length of Project	= 12.775 Miles

Equalities in Stationing  
 STA. 121+99.4 = STA. 121+02.7  
 STA. 284+99.8 = STA. 284+23.3  
 STA. 344+22.5 = STA. 344+69.9

Note: All workmanship and material on this project to conform with South Carolina State Highway Department Specifications, Contract and Bond; for Roads and Culverts revised Aug. 1st, 1931; and for Bridges, revised Sept. 1st, 1931, as amended and approved by the U. S. Secretary of Agriculture.

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

See letter 10/24/32 authorizing 92 ft. of 24" low pipe at Sta. 4+25. Also check inlet & outlet at Sta. 2+50 not needed. Better to connect new 24" pipe with old pipe under old roadway.

8-31-32  
STATE HIGHWAY ENGINEER

DISTRICT ENGINEER - BUREAU OF PUBLIC ROADS

CHIEF ENGINEER - BUREAU OF PUBLIC ROADS

DIRECTOR - BUREAU OF PUBLIC ROADS



