FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	F. A. PROJ. NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	FLORENCE	21.402	S-933(2)	57	1	29

INDEX OF SHEETS

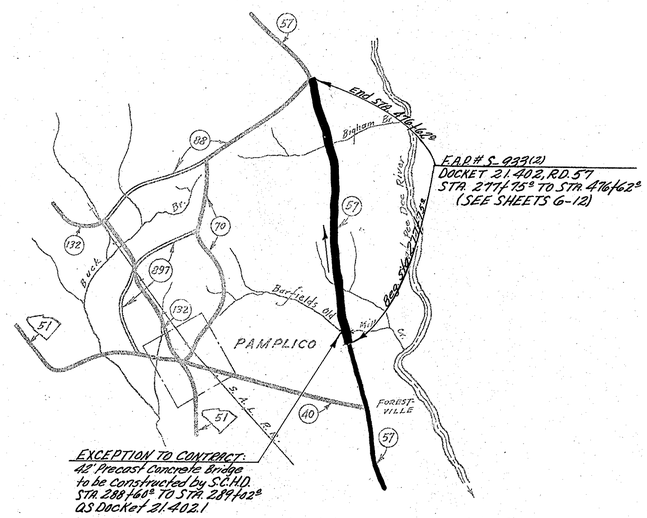
1	Title Sheet
2	Typical Section
3	Intersection Std.
4	Superelevation Std.
5	Traffic Control
6-12	Plans & Profile
12A	Bridge Std.
13-29	Cross Sections

SOUTH CAROLINA
STATE HIGHWAY DEPARTMENT
COLUMBIA

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

F. A. P. Nº S-933 (2)
DKT. Nº 21.402
RD. 57
FLORENCE COUNTY
FROM END PRESENT PAVEMENT TO RD. 57

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



SUMMARY OF ESTIMATED QUANTITIES

EARTHWORK		
Clearing and Grubbing within Roadway	Nec.	
Clearing and Grubbing of Borrow and Material Pits	2.0	Acres
Unclassified Excavation	18,009	C.Y.
Overhaul	60,205	C.Y.H.M.
Selected Material for Shoulders	2,400	C.Y.
BASE COURSE		
Earth Type Base Course (Pit Material)	10,147	C.Y.
Scarifying, Mixing, Remixing, Shaping and Reshaping	48.804	M.S.Y.
SURFACING		
Bituminous Surfacing (Double Treatment) Types 1 thru 6	46,600	S.Y.
STRUCTURES		
15 in. Reinf. Conc. Culvert Pipe	568	L.F.
18 in. Reinf. Conc. Culvert Pipe	400	L.F.
24 in. Reinf. Conc. Culvert Pipe	60	L.F.
30 in. Reinf. Conc. Culvert Pipe	10	L.F.
54 in. Reinf. Conc. Culvert Pipe	44	L.F.
84 in. Reinf. Conc. Culvert Pipe	56	L.F.
15 in. Relaid Pipe Culvert	41	L.F.
18 in. Relaid Pipe Culvert	96	L.F.
24 in. Relaid Pipe Culvert	26	L.F.
30 in. Relaid Pipe Culvert	32	L.F.
INCIDENTALS		
4 in. Pipe Underdrain	100	L.F.
Reset Fence	7,800	L.F.
New Fence (48" Hog Wire with 1 Strand Barbed Wire)	1,835	L.F.
Moving Item #1: 17' Lt. Sta. 396+48" (See Sheet 10)		

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 — P.A.V. — IR.
OTHER ROADS

LAYOUT

Scale: 1 inch = 5280 feet

Net Length of Roadway	3.758	Miles
Net Length of Bridges	0.008	Miles
Net Length of Project	3.766	Miles
Length of Exceptions	—	Miles
Gross Length of Project	3.766	Miles

Equalities 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. Pearman 5-25-56
STATE HIGHWAY ENGINEER — DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
RECOMMENDED FOR APPROVAL:
DISTRICT ENGINEER — DATE
APPROVED:
DIVISION ENGINEER — DATE

IMPERIAL TRACING CLOTH-H. S. SLIGHT CO., PGH., PA.

FLORENCE

FED. ROAD DIV. NO.	STATE	COUNTY	DOCKET NO.	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S. C.	Florence	21.402	S-933(2)	57	6	29

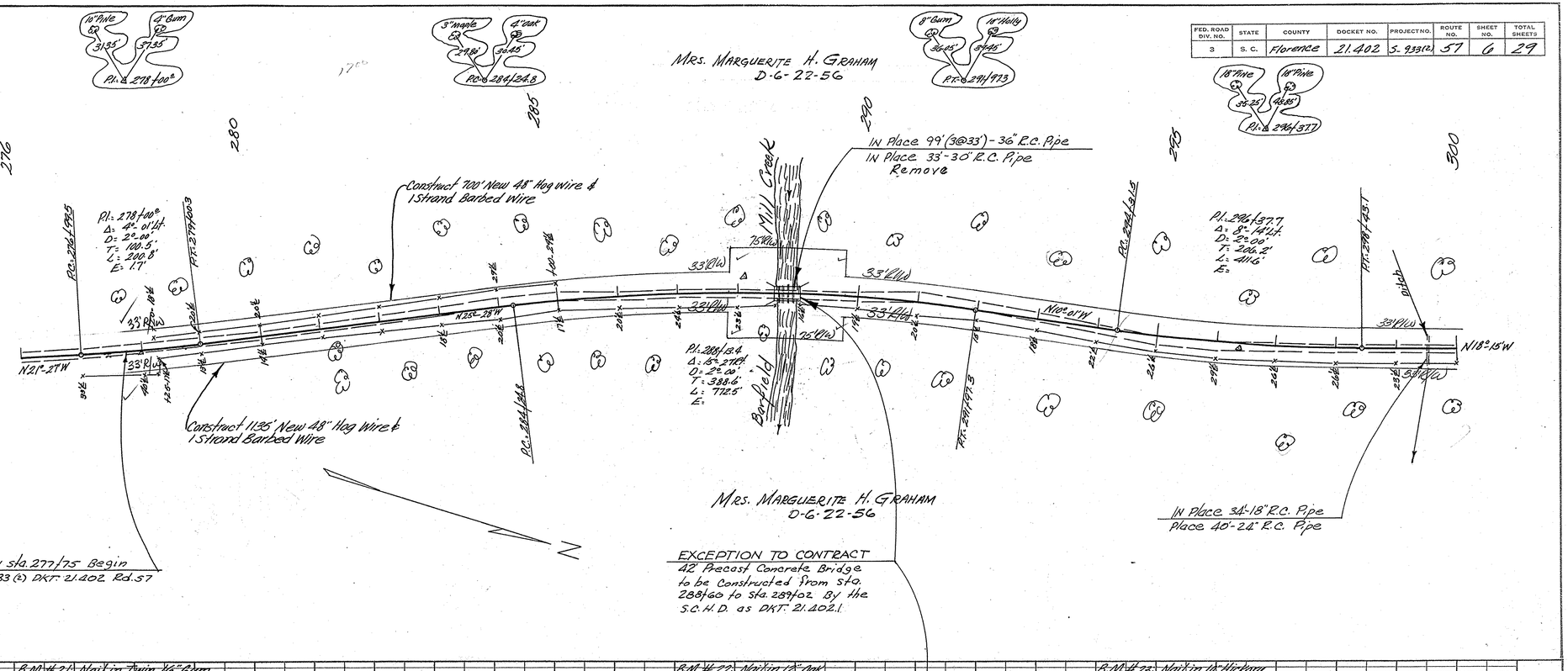


PLATE 1 - PLAN - PROFILE O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

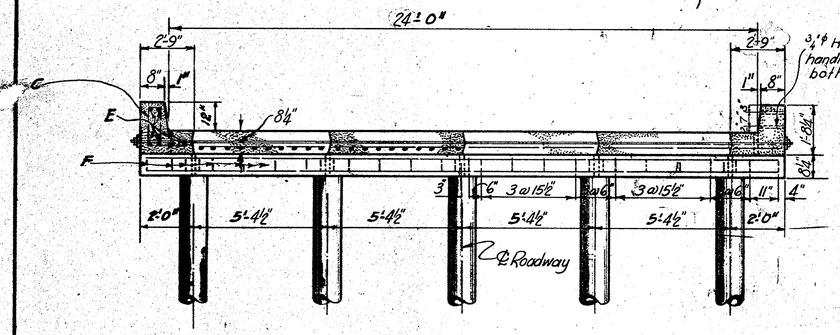
PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, GRADES CHECKED, RT. OF WAY CHECKED. NOTE BOOK NO. BY DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M.'s NOTED, STRUCTURE NOTATIONS CHKD. NOTE BOOK NO. BY DATE

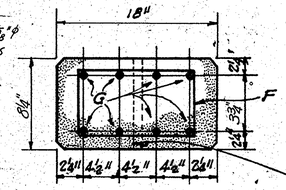
Florence Co. Rd. 57

1

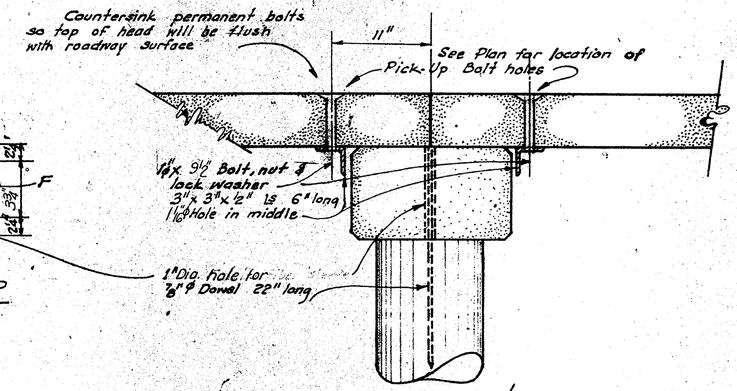
FED. ROAD DIV. NO.	STATE	COUNTY	PROJECT NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	FLORENCE	21.402	57	12-A	29



SECTION A-A
Showing Reinf. steel in One Half Section



SECTION THRU CAP
SHOWING REINF. STEEL

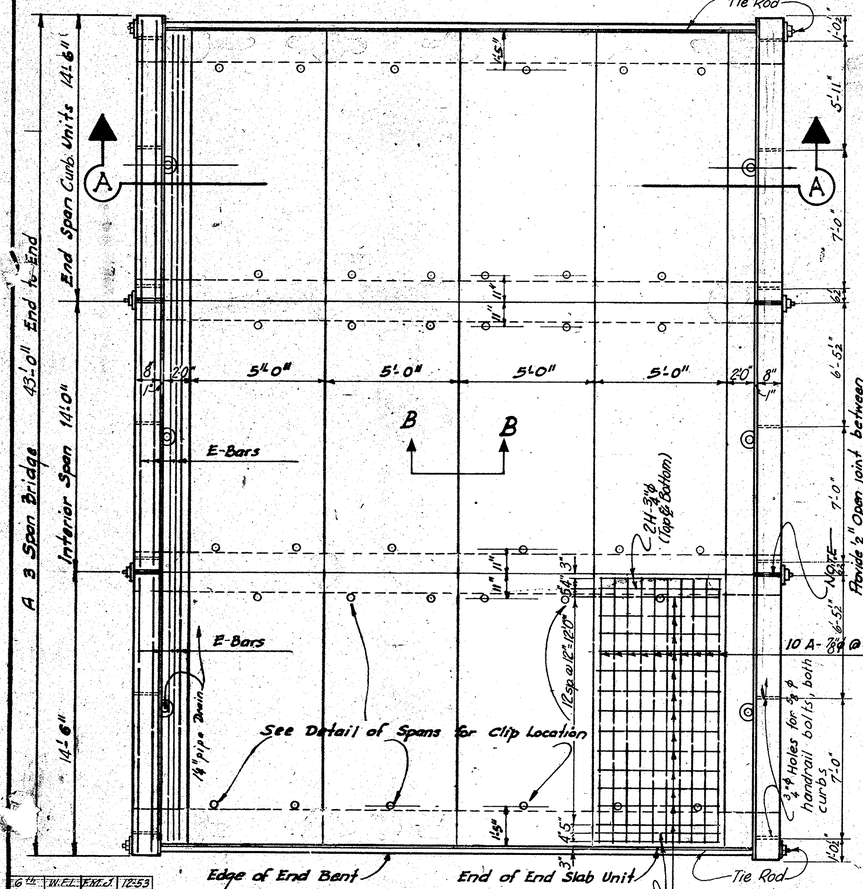


SECTION THRU BENT CAP & ROADWAY SLAB
Showing Angle Clips & Handling Bolt Holes

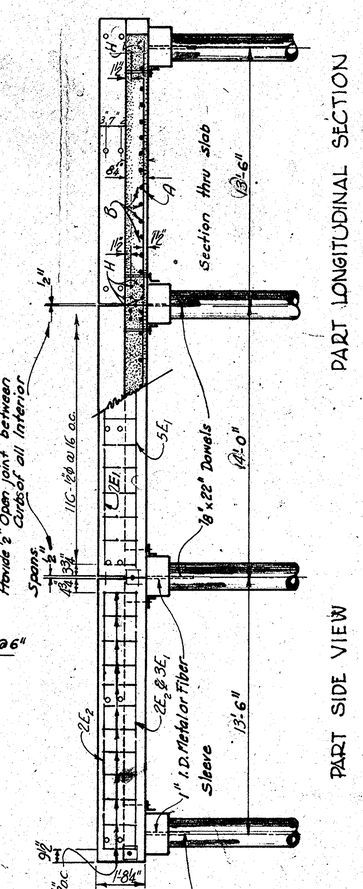
Mark	No	Size	Length	Spacing	Location
REINFORCING STEEL – ONE INTERIOR SPAN (1862 Lb)					
A	40	7/8"φ	13'-8"	6"	4 Slabs
B	52	1/2"φ	4'-6"	12"	4 "
C	22	1/2"φ	5'-6"	16"	2 Curbs
E_1	14	3/4"φ	13'-6"	Shown	2 "
H	32	3/4"φ	4'-8"	"	4 Slabs
		REINF STEEL – END SPAN (1876 Lb.)			
A	40	7/8"φ	13'-8"	6"	4 Slabs
B	52	1/2"φ	4'-6"	12"	4 "
C	24	1/2"φ	5'-6"	15"	2 Curbs
E_1	6	3/4"φ	13'-6"	Shown	2 "
E_2	8	3/4"φ	114'-0"	"	2 "
H	32	3/4"φ	4'-8"	"	4 Slabs
		ONE BENT CAP (377 Lb.)			
F	30	1/2"φ	3'-10"	Shown	Hoops
G	8	3/4"φ	25'-0"	"	
	OTHER MATERIAL				
*1	1"φ	26'-0"	Tie Rod		
*2	1"φ	Sq. Nuts			
*2	7/8" x 6" x 6" R. Washers				Per Bent
5	7/8"φ x 22" Dowels				
2	1"φ	Lock Washers			
4	1"φ x 9½" Bolt W/nuts				
4	1"φ lock Washers				Per Span
4	Ls-3 x 3 x 1/2 x 0'-6"				

CONCRETE	
ONE CURB: END SPAN =	1.37 C.Y.
ONE CURB: INT. SPAN =	1.35 C.Y.
ONE SLAB: =	1.78 C.Y.
ONE BENT CAP =	0.97 C.Y.

* Tie rods, nuts & R. Washers shall conform to the latest A.S.T.M. Specifications Aq.

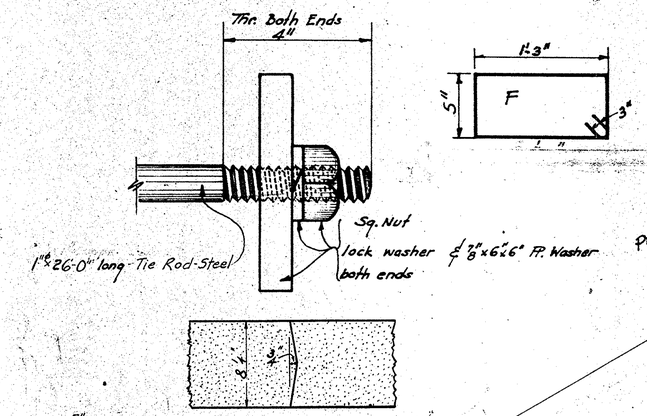


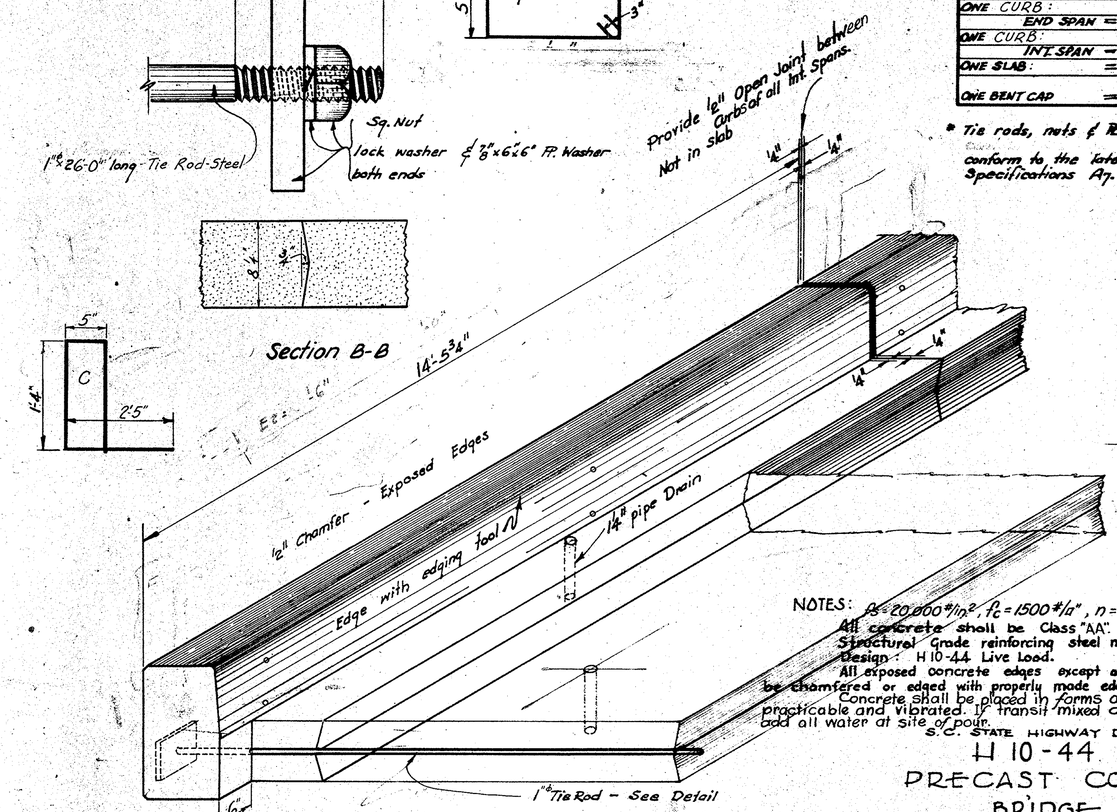
PLAN



PART LONGITUDINAL SECTION

PART SIDE VIEW





VIEW SHOWING END SPAN ——— CURB & SLAB UNIT

NO SCALE

NOTES: $f_s = 20{,}000$ #/in², $f_c = 1500$ #/□", $n = 8$.
All concrete shall be Class "AA".
Structural Grade reinforcing steel not permitted.
Design: H10-44 Live Load.
All exposed concrete edges except as noted shall be chamfered or edged with properly made edging tool.
Concrete shall be placed in forms as dry as practicable and vibrated. If transit mixed concrete is used add all water at site of pour.

S.C. STATE HIGHWAY DEPARTMENT

H 10-44
PRECAST CONCRETE BRIDGE STANDARD

14 FT. SPAN — 24 FT. ROADWAY

Recommended for Approval W. E. Beckham Maintenance Engineer 12-10-49

Approved S. M. Tearnan State Highway Engineer 12-10-49

6th Rev.	W.F.L.	F.M.J.	12-53				
	Tie Rods & Piles						
5th Rev.	W.F.L.	C.L.H.	8-52	7th Rev.	W.N.J.	F.M.J.	12-53
	E & G Bars				Holes for Rail-Bolts		
1st Rev.	W.F.L.	D.F.D.	11-49	4th Rev.	E.A.S.	C.E.S.	3-52
	For 14' Span				New Foil		
QUANT.	W.R.T.	P.S.M.	1-49	3rd Rev.	W.F.L.	D.F.D.	6-50
					24' Roadway		
TR.	W.R.T.	P.S.M.	1-49	2nd Rev.	W.F.L.	D.F.D.	12-49
DR.	W.R.T.	P.S.M.	1-49				
DES.	W.R.T.	P.S.M.	1-49	Rev.	Curb Section		
	BY	CHK'D	DATE		BY	CHK'D	DATE