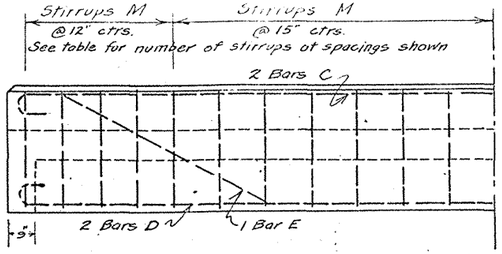
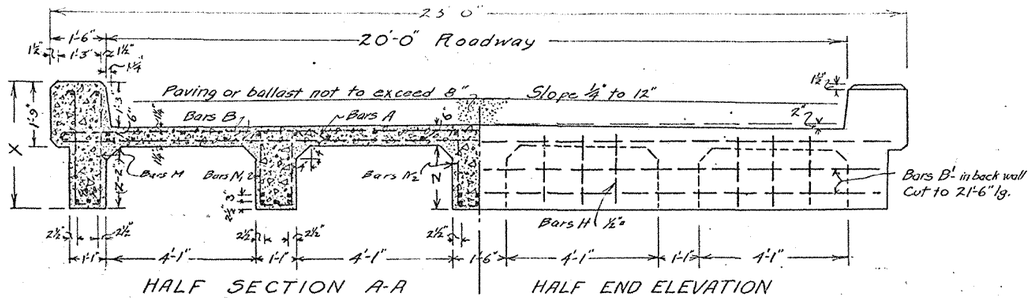
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	LA.				

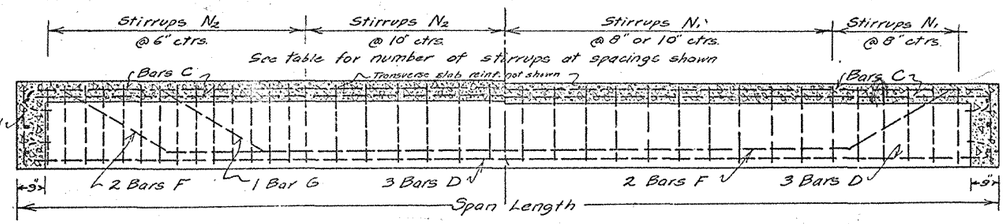


HALF SIDE ELEVATION



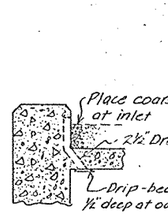
HALF SECTION A-A

HALF END ELEVATION

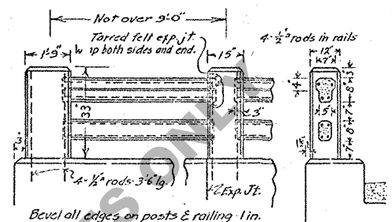


HALF SECTION B-B

HALF SECTION C-C



DETAIL OF DRAIN



	Conc.	Steel
One end post	0.18 cu yd	10.0 lbs
One intermediate post	0.13 "	10.0 "
Railing, per lin. ft. of bridge	0.045 "	13.5 "

DETAIL OF RAILING

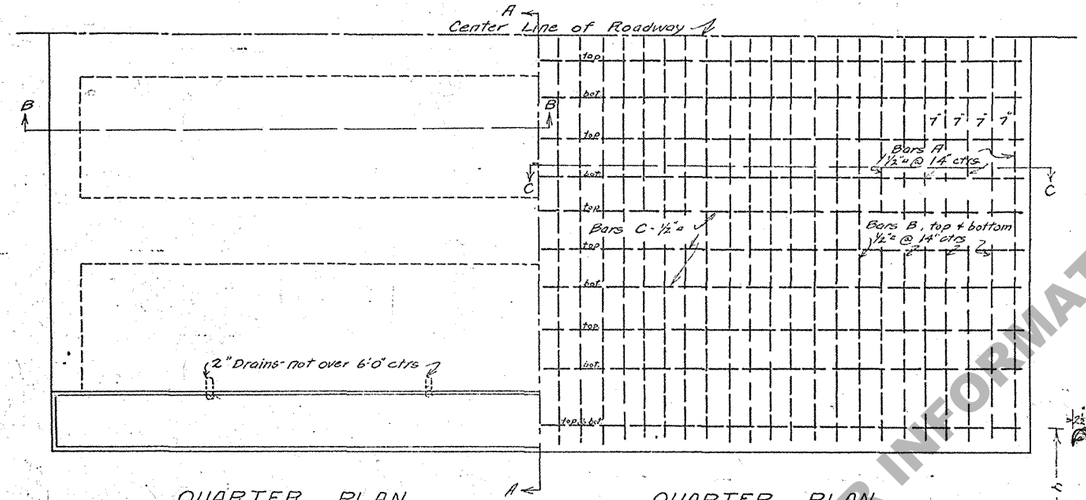
DIMENSIONS & QUANTITIES

Span Length	Dimensions X	Dimensions Z	Stirrup Spacing: Exterior Beam Stirrups M	Stirrup Spacing: Interior Beam Stirrups N₁	Stirrup Spacing: Interior Beam Stirrups N₂	Quantities: Concrete Cu. yds.	Quantities: Steel Lbs.
16'	2'-9"	1'-2"	3 Spcs. @ 12" 7 " " 15" 3 " " 12"	21 Spcs. @ 8"	10 Spcs. @ 6" 7 " " 10" 10 " " 6"	14.05* 1.52 3 posts	2640* 220
18'	2'-11"	1'-4"	3 " " 12" 8 " " 15" 3 " " 12"	25 " " 8"	10 " " 6" 8 " " 10" 10 " " 6"	16.50 1.61 3 posts	3350 250
20'	3'-1"	1'-6"	4 " " 12" 9 " " 15" 7 " " 12"	28 " " 8"	11 " " 6" 9 " " 10" 11 " " 6"	19.15 1.70 3 posts	3730 280
22'	3'-2"	1'-7"	4 " " 12" 10 " " 15" 4 " " 12"	31 " " 8"	11 " " 6" 11 " " 10" 11 " " 6"	21.30 1.79 3 posts	4300 320
24'	3'-3"	1'-8"	4 " " 12" 12 " " 15" 4 " " 12"	6 " " 8" 17 " " 10" 6 " " 8"	12 " " 6" 12 " " 10" 12 " " 6"	23.50 1.88 3 posts	4970 350
26'	3'-4"	1'-9"	4 " " 12" 14 " " 15" 4 " " 12"	6 " " 8" 20 " " 10" 6 " " 8"	14 " " 6" 12 " " 10" 14 " " 6"	25.80 1.98 3 posts	6020 380
28'	3'-5"	1'-10"	4 " " 12" 15 " " 15" 4 " " 12"	6 " " 8" 22 " " 10" 6 " " 8"	15 " " 6" 14 " " 10" 15 " " 6"	28.00 2.07 3 posts	6510 400
30'	3'-7"	2'-0"	4 " " 12" 16 " " 15" 4 " " 12"	6 " " 8" 24 " " 10" 6 " " 8"	17 " " 6" 14 " " 10" 17 " " 6"	30.30 2.16 3 posts	6980 430

Note:- * Quantities exclusive of posts and railing.
Small figures below give quantities in posts and railing for one panel complete.

BILL OF STEEL

Span (Feet)	Bars A-½" α Slab Reinf. No.	Bars A-½" α Slab Reinf. Length	Bars B-½" α Slab Reinf. No.	Bars B-½" α Slab Reinf. Length	Bars C-½" α Spacing Bars No.	Bars C-½" α Spacing Bars Length	Bars D Ext. & Int. Beam Reinf. No.	Bars D Ext. & Int. Beam Reinf. Size	Bars D Ext. & Int. Beam Reinf. Length	Bars E Ext. Beam Reinf. No.	Bars E Ext. Beam Reinf. Size	Bars E Ext. Beam Reinf. Length	Bars F Int. Beam Reinf. No.	Bars F Int. Beam Reinf. Size	Bars F Int. Beam Reinf. Length	Bars G Int. Beam Reinf. No.	Bars G Int. Beam Reinf. Size	Bars G Int. Beam Reinf. Length	Bars M-½" α Stirrup Ext. Bm. No.	Bars M-½" α Stirrup Ext. Bm. Length	Bars N-½" α Stirrup Int. Bm. No.	Bars N-½" α Stirrup Int. Bm. Length	Bars H, ½" No.	Bars H, ½" Length	Bars B ½" Back wall No.	Bars B ½" Back wall Length
16	12	24'-0"	26	23'-4"	26	16'-6"	13	⅞"	17'-2"	2	⅞"	18'-9"	6	⅞"	17'-10"	1	⅞"	17'-10"	28	6'-6"	44 28	4'-2" 4'-10"	24	1'-4"	4	21'-6"
18	14	24'-0"	30	23'-4"	26	17'-6"	13	1"	19'-2"	2	1"	20'-9"	6	1"	19'-10"	1	1"	19'-10"	30	6'-10"	52 29	4'-8" 5'-2"	24	1'-6"	"	"
20	16	24'-0"	32	23'-4"	26	19'-6"	13	1"	21'-2"	2	1"	22'-9"	6	1"	21'-10"	1	1"	21'-10"	36	7'-2"	30 32	5'-0" 5'-6"	24	1'-8"	"	"
22	18	24'-0"	36	23'-4"	26	21'-6"	13	1⅛"	23'-4"	2	1⅛"	24'-9"	6	1⅛"	24'-2"	1	1⅛"	24'-2"	38	7'-4"	64 34	5'-2" 5'-8"	24	1'-9"	"	"
24	19	24'-0"	40	23'-4"	26	23'-6"	13	1⅛"	25'-4"	2	1⅛"	26'-9"	6	1⅛"	26'-2"	1	1⅛"	26'-2"	42	7'-6"	40 37	5'-6" 5'-10"	24	1'-10"	"	"
26	21	24'-0"	42	23'-4"	26	25'-6"	13	1¼"	27'-6"	2	1¼"	29'-0"	6	1¼"	28'-4"	1	1¼"	28'-4"	46	7'-8"	66 41	5'-6" 6'-0"	24	1'-11"	"	"
28	23	24'-0"	46	23'-4"	26	27'-6"	13	1¼"	29'-6"	2	1¼"	31'-0"	6	1¼"	30'-4"	1	1¼"	30'-4"	48	7'-10"	70 45	5'-9" 6'-2"	24	2'-0"	"	"
30	24	24'-0"	50	23'-4"	26	29'-6"	13	1½"	31'-6"	2	1½"	33'-0"	6	1¼"	32'-4"	1	1¼"	32'-4"	50	8'-2"	74 49	6'-0" 6'-6"	24	2'-2"	"	"

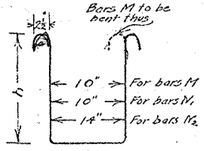


QUARTER PLAN

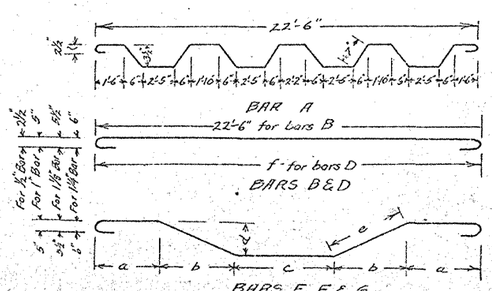
QUARTER PLAN
Showing Slab Reinforcement

STEEL BENDING TABLE

Span	Bars D f	Bars E a	Bars E b	Bars E c	Bars E d	Bars E e	Bars F a	Bars F b	Bars F c	Bars F d	Bars F e	Bars G a	Bars G b	Bars G c	Bars G d	Bars G e	Bars M h	Bars N₁ h	Bars N₂ h
16'	15'-6"	1'-0"	3'-0"	7'-6"	2'-3"	3'-9"	1'-0"	1'-6"	10'-6"	0'-11"	1'-9⅛"	2'-6"	1'-6"	7'-6"	0'-11"	1'-9⅛"	2'-5"	1'-4"	1'-5"
18'	17'-6"	1'-0"	3'-6"	8'-6"	2'-5"	4'-3"	1'-0"	1'-9"	12'-0"	1'-1"	2'-0⅜"	2'-9"	1'-9"	8'-6"	1'-1"	2'-0⅜"	2'-7"	1'-6"	1'-7"
20'	19'-6"	1'-0"	4'-0"	9'-6"	2'-7"	4'-9⅛"	1'-0"	2'-0"	13'-6"	1'-3"	2'-4¼"	3'-0"	2'-0"	9'-6"	1'-3"	2'-4¼"	2'-9"	1'-8"	1'-9"
22'	21'-6"	1'-0"	4'-6"	10'-6"	2'-9"	5'-2⅝"	1'-0"	2'-3"	15'-0"	1'-4"	2'-7⅝"	3'-3"	2'-3"	10'-6"	1'-4"	2'-7⅝"	2'-10"	1'-9"	1'-10"
24'	23'-6"	1'-0"	5'-0"	11'-6"	2'-9"	5'-8½"	1'-0"	2'-6"	16'-6"	1'-5"	2'-10½"	3'-6"	2'-6"	11'-6"	1'-5"	2'-10½"	2'-11"	1'-10"	1'-11"
26'	25'-6"	1'-0"	5'-6"	12'-6"	2'-10"	6'-2½"	1'-0"	2'-9"	18'-0"	1'-6"	3'-1⅜"	3'-9"	2'-9"	12'-6"	1'-6"	3'-1⅜"	3'-0"	1'-11"	2'-0"
28'	27'-6"	1'-0"	6'-0"	13'-6"	2'-11"	6'-8"	1'-0"	3'-0"	19'-6"	1'-7"	3'-4¾"	4'-0"	3'-0"	13'-6"	1'-7"	3'-4¾"	3'-1"	2'-0"	2'-1"
30'	29'-6"	1'-0"	6'-6"	14'-6"	3'-1"	7'-2½"	1'-0"	3'-3"	21'-0"	1'-9"	3'-8⅛"	4'-3"	3'-3"	14'-6"	1'-9"	3'-8⅛"	3'-3"	2'-2"	2'-3"



BENDING DIAGRAM
BARS M & N



GENERAL NOTES & DESIGN DATA

Specifications - La. State Hwy Dept.
Design - Adopted from standard plan of B.P.R. (Dr. G-265)
Concentrated Load - 2 typical 15 Ton trucks
Impact allowance - 30%
Paving or ballast - Not to exceed 80 lbs. per sq. ft.
Steel in tension - 16000 lbs. per sq. in.
Concrete in compression - 650 lbs. per sq. in.
Reinforced concrete in shear - 110 lbs. per sq. in.
Concrete to be 1:2:4 mix, maximum size of aggregate - 1½"
All reinforcing shall be deformed bars.
(Square twisted bars not to be considered as deformed)
Where splicing of reinforcement is necessary, bars are to be lapped 40 diameters.

All exposed corners (except as indicated) to be chamfered thus:-
Curbs, slabs and beam stems must be poured at same time, allowing no initial set to take place.
All dimensions relating to reinforcement are to centers of bars.

Revised 2-1-22 by A.F.J.T.

CONCRETE DECK GIRDER SPANS

SPANS 16 ft. to 30 ft. 20 ft. ROADWAY

LOUISIANA HIGHWAY COMMISSION.

NEW ORLEANS, LA. JUNE 1921 - APRIL 1922.

APPROVED:-

STATE HIGHWAY ENGINEER.

C-C-11 (3-2-22)

FOR INFORMATIONAL PURPOSES ONLY