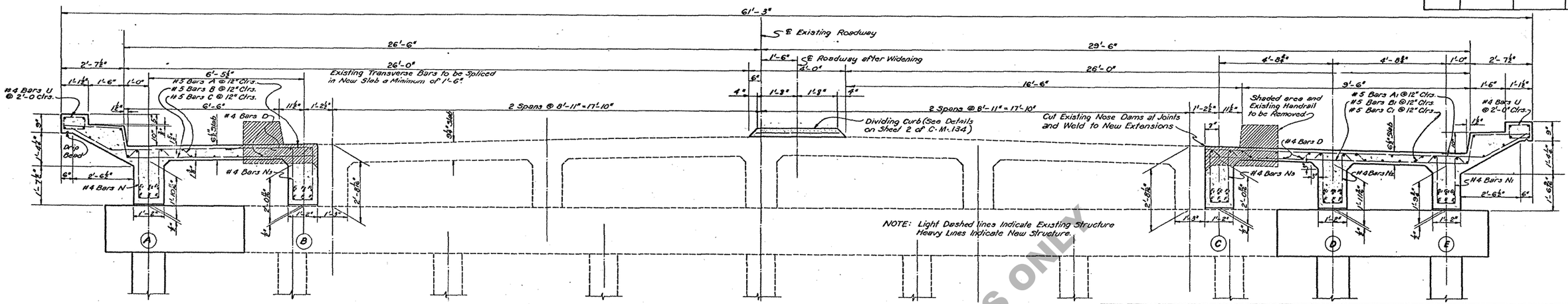
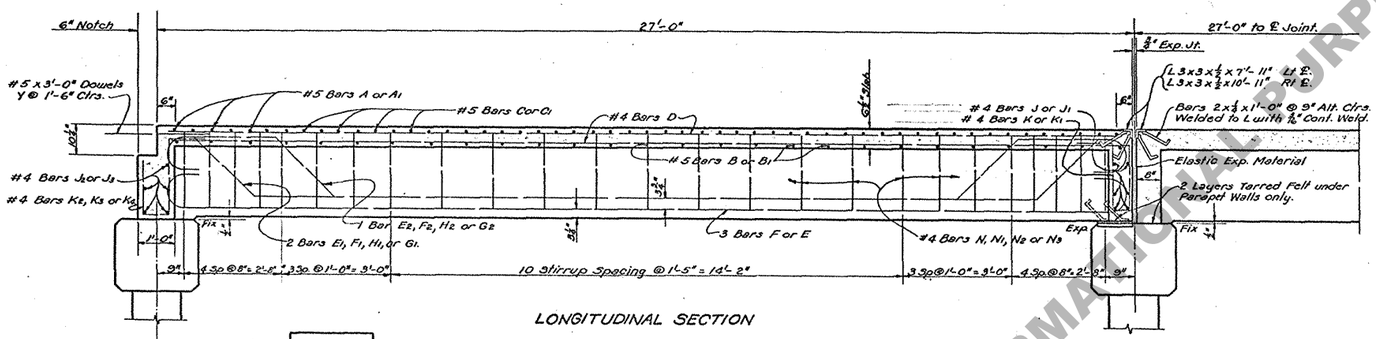
	STATE PROJECT	PARISH	SHEET NO.



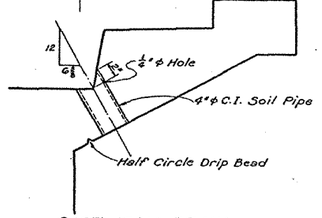
NOTE: Light Dashed lines Indicate Existing Structure
Heavy Lines Indicate New Structure.

TYPICAL SECTION OF ROADWAY

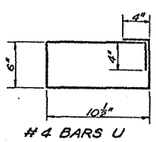
For Handrail Details See Std. Plan R.M. 30



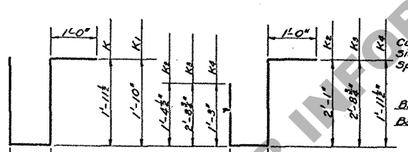
LONGITUDINAL SECTION



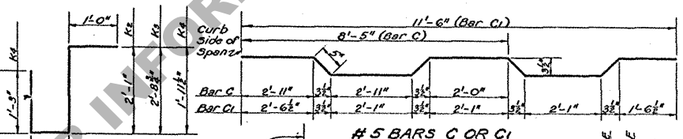
CAST IRON DRAIN
Req'd. One in Each Side of Roadway in each Span.



#4 BARS U

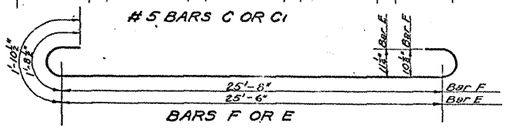


#4 BARS K OR K1

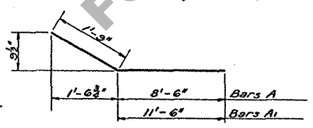


#4 BARS K2, K3 OR K4

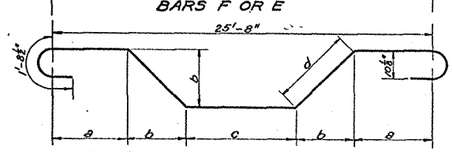
#5 BARS C OR C1



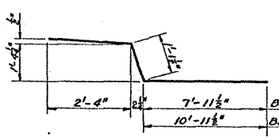
BARS F OR E



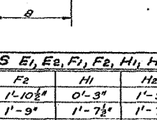
#5 BARS A OR A1



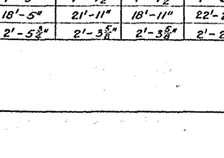
BARS E1, E2, F1, F2, H1, H2, G1, G2



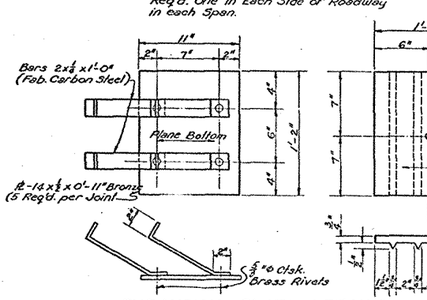
#5 BARS B OR B1



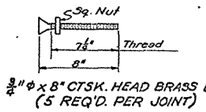
#4 BARS N3



#4 BARS N-N1 OR N2



EXPANSION PLATE DETAILS
Bronze Rs and Brass Bolts to be Paid for Fab. Carbon Steel.



¾" ϕ x 8" CTSK. HEAD BRASS BOLT (5 REQ'D. PER JOINT)

BILL OF MATERIAL

MARK	END SPAN SIZE	NO.	UNIT LENGTH	TOTAL LENGTH	INTERIOR SPAN SIZE	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
E	#10	6	29'-3"	175'-6"	#10	6	29'-3"	175'-6"	Beams A & E
Total #10 Bars = 175'-6" = 755 Lbs.					Total #10 Bars = 175'-6" = 755 Lbs.				
E1	#9	2	30'-4¾"	60'-9½"	#9	2	30'-4¾"	60'-9½"	Beam A
E2	"	1	30'-4¾"	30'-4¾"	"	1	30'-4¾"	30'-4¾"	Beam A
F	"	9	29'-1"	261'-9"	"	9	29'-1"	261'-9"	Beams B, C & D
F1	"	4	30'-6½"	122'-2"	"	4	30'-6½"	122'-2"	Beams B & C
F2	"	2	30'-6½"	61'-1"	"	2	30'-6½"	61'-1"	Beams B & C
H1	"	2	30'-5½"	60'-10½"	"	2	30'-5½"	60'-10½"	Beams D
H2	"	1	30'-5½"	30'-5½"	"	1	30'-5½"	30'-5½"	Beams D
G1	"	2	30'-6½"	61'-0½"	"	2	30'-6½"	61'-0½"	Beam E
G2	"	1	30'-6½"	30'-6½"	"	1	30'-6½"	30'-6½"	Beam E
Total #9 Bars = 719'-0¾" = 2445 Lbs.					Total #9 Bars = 719'-0¾" = 2445 Lbs.				
A	#5	27	10'-3"	276'-9"	#5	27	10'-3"	276'-9"	Top of Slab Lt & Roadway
A1	"	27	13'-3"	357'-9"	"	27	13'-3"	357'-9"	Top of Slab Rt & Roadway
B	"	27	11'-5"	308'-3"	"	27	11'-5"	308'-3"	Bottom of Slab Lt & Roadway
B1	"	27	14'-5"	389'-3"	"	27	14'-5"	389'-3"	Bottom of Slab Rt & Roadway
C	"	26	8'-8"	225'-4"	"	26	8'-8"	225'-4"	Bent in Slab Lt & Roadway
C1	"	26	12'-0"	312'-0"	"	26	12'-0"	312'-0"	Bent in Slab Rt & Roadway
Y	"	14	3'-0"	42'-0"	"				Dowels to Appr. Slab (End Span)
Total #5 Bars = 1911'-4" = 1994 Lbs.					Total #5 Bars = 1869'-4" = 1950 Lbs.				
D	#4	47	26'-8"	1253'-4"	#4	47	26'-8"	1253'-4"	Longitudinal in Slab.
J	"	6	7'-5"	44'-6"	"	12	7'-5"	89'-0"	Longitudinal in Diaphragms.
J1	"	6	10'-5"	62'-6"	"	12	10'-5"	125'-0"	" " "
J2	"	5	10'-5"	52'-1"					" " " (End Span)
J3	"	5	13'-5"	67'-1"					" " " (End Span)
K	"	4	5'-4"	21'-4"	"	8	5'-4"	42'-8"	Vertical in Diaphragms
K1	"	9	5'-1"	45'-9"	"	18	5'-1"	91'-6"	" " "
K2	"	4	5'-1"	20'-4"					Vertical in Wing Wall (End Span)
K3	"	6	7'-1"	42'-6"					" " " " (End Span)
K4	"	9	4'-10"	43'-6"					" " " " (End Span)
N	"	25	6'-0"	150'-0"	"	25	6'-0"	150'-0"	Beams A Stirrups
N1	"	25	5'-10½"	146'-10½"	"	25	5'-10½"	146'-10½"	Beam E Stirrups
N2	"	25	6'-1½"	153'-1½"	"	25	6'-1½"	153'-1½"	Beam D Stirrups
N3	"	50	6'-4"	316'-8"	"	50	6'-4"	316'-8"	Beams B & C Stirrups
U	"	28	3'-5"	95'-8"	"	28	3'-5"	95'-8"	Handrail Curb
Total #4 Bars = 2515'-3" = 1680 Lbs.					Total #4 Bars = 2463'-10" = 1646 Lbs.				

QUANTITIES

SPAN	FAB. CAR. STEEL LBS.	CLASS "A" CONC. CU. YDS.	DEF. REIN. STEEL LBS.	DIVIDING CURB LIN. FT.
END	590	29.46	6874	27.0
INT.	820	28.39	6796	27.0

BAR BENDING TABLE BARS E1, E2, F1, F2, H1, H2, G1 AND G2

DIMENSION	E1	E2	F1	F2	H1	H2	G1	G2
a	0'-3"	1'-9"	0'-3"	1'-10½"	0'-3"	1'-9"	0'-3"	1'-5"
b	1'-7"	1'-7"	1'-9"	1'-9"	1'-7½"	1'-7½"	1'-6"	1'-6"
c	22'-0"	19'-0"	21'-8"	18'-5"	21'-11"	18'-11"	22'-2"	19'-10"
d	2'-2⅞"	2'-2⅞"	2'-5⅜"	2'-5⅜"	2'-3⅝"	2'-3⅝"	2'-2⅝"	2'-2⅝"

For Handrail Quantities See Std. Plan R-M-30.
For Bent Quantities See Sheet No 2 of Std. Plan C-M-134.

DATE	DESCRIPTION	BY
	REVISIONS	

STANDARD PLAN
WIDENING FOR R.C.
DECK GIRDER BRIDGES TO 56'-0" RDWY.
27'-0" SPANS
EXISTING BRIDGES BUILT FROM STD. PLAN B2-27B

DATED Feb. 1951

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED Nason | DETAILED Bourgeois | TRACED L. Ellis
CHECKED Huey | CHECKED Huey | CHECKED Huey

BRIDGE DESIGN SECTION