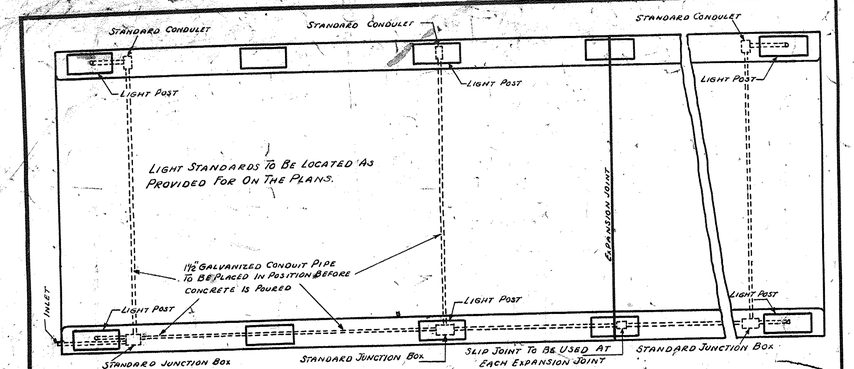
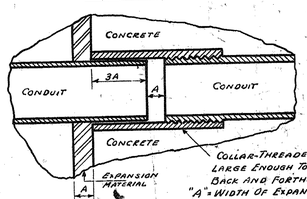
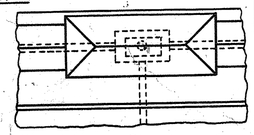


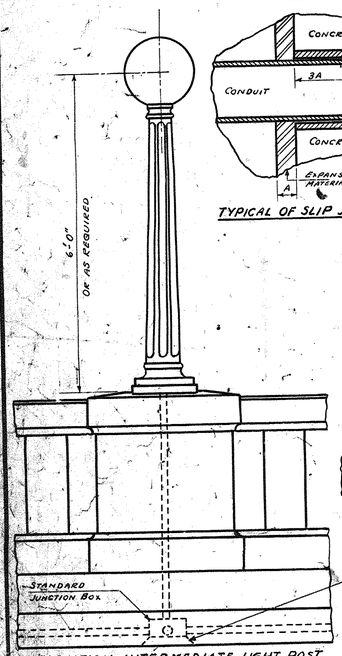
TYPICAL DIAGRAM OF LIGHTING SYSTEM



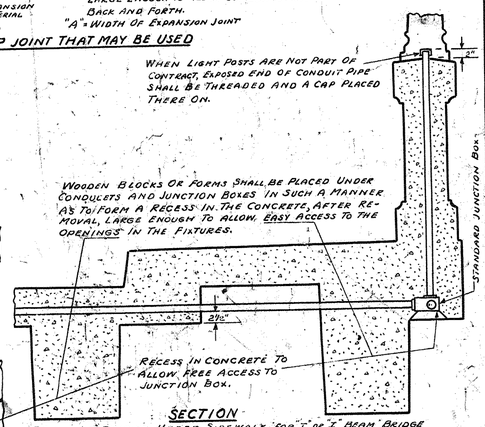
TYPICAL OF SLIP JOINT THAT MAY BE USED



PLAN



ELEVATION INTERMEDIATE LIGHT POST



SECTION

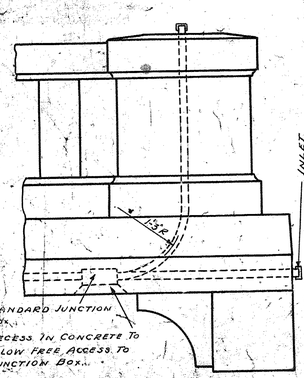
SHOWING CONDUIT UNDER SIDEWALK FOR "T" OR "I" BEAM BRIDGE

SPECIFICATIONS

COMPANY FURNISHING LIGHT STANDARDS SHALL PROVIDE ANCHOR BOLT PLANS. IF DIRECTED ANCHOR BOLTS FOR LIGHT STANDARDS SHALL BE PLACED IN POST FORMS BEFORE CONCRETE IS PLACED.

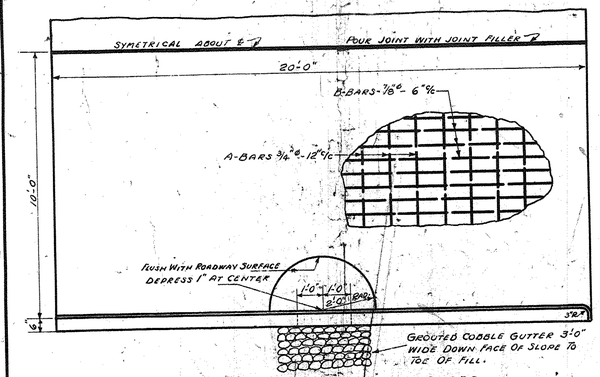
ALL WORK AND MATERIALS ENTERED INTO THIS LIGHTING SYSTEM INSTALLATION SHALL BE STANDARD WORK AND MATERIALS, REQUIRED FOR THIS CLASS OF WORK, AND SHALL BE PERFORMED IN SUCH A MANNER AS TO CONFORM TO THE CODE OF THE NATIONAL BOARD OF FIRE UNDERWRITERS.

WHEN INSTALLATION OF LIGHTS IS NOT PART OF CONTRACT, LUMP SUM BID FOR CONDUIT FOR LIGHTING SYSTEM, SHALL COVER THE COST OF LABOR AND MATERIALS FOR THE INSTALLATION OF THE COMPLETE CONDUIT SYSTEM, BUT NOT TO INCLUDE WIRING OR LAMP POST.



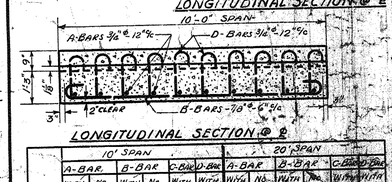
END LIGHT POST-SHOWING INLET

STANDARD DETAIL-S-113

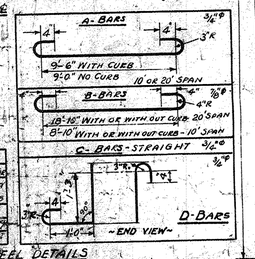


HALF PLAN- 20' APPROACH SLAB WITH CURBS

LONGITUDINAL SECTION @ ℄

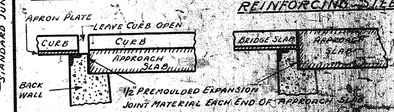


LONGITUDINAL SECTION @ ⅌



	10' SPAN				20' SPAN			
	A-BAR.	B-BAR	C-BAR	D-BAR	A-BAR	B-BAR	C-BAR	D-BAR
	WITH CURB	NO CURB	WITH CURB	NO CURB	WITH CURB	WITH CURB	WITH CURB	WITH CURB
SIZE	¾"ø	do	⅞"ø	do	¾"ø	⅞"ø	¾"ø	⅞"ø
TOT. LGTH.	11'-8"	11'-2"	11'-6"	11'-6"	9'-6"	10'-5"	11'-8"	11'-2"
REQ'D	20	20	42	40	4	20	40	40

REINFORCING STEEL DETAILS



DETAIL AT EXPANSION END OF STEEL BRIDGE

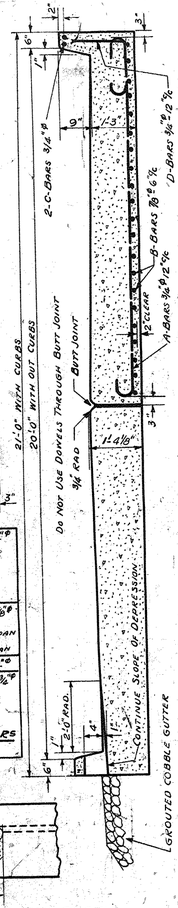
DETAIL AT FIXED END OF STEEL BRIDGE

	WITH OUT CURB		WITH CURB	
	10' SPAN	20' SPAN	10' SPAN	20' SPAN
CONCRETE	9.6 C.Y.	19.2 C.Y.	10.6 C.Y.	20.7 C.Y.
REINF. STEEL	1292 LBS.	2459 LBS.	1567 LBS.	2966 LBS.

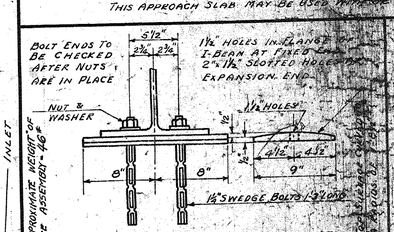
ESTIMATED QUANTITIES FOR ONE SLAB

ALL REINFORCING STEEL PAID FOR AT UNIT PRICE BID FOR REINFORCING STEEL IN APPROACH SLAB IS BUILT IN CONNECTION WITH A CONCRETE PAVEMENT PROJECT, THE CONCRETE IN THE CURB AND SLAB WILL BE PAID FOR AT THE UNIT PRICE BID PER CUBIC YARD FOR ONE COURSE CONCRETE PAVEMENT. IF APPROACH SLAB IS BUILT AS A PART OF A BRIDGE PROJECT ONLY THE CONCRETE IN THE CURB AND SLAB SHALL BE PAID FOR AT THE UNIT PRICE BID PER CUBIC YARD FOR CONCRETE CLASS "A".

THIS APPROACH SLAB MAY BE USED WITH OR WITHOUT A CURB.



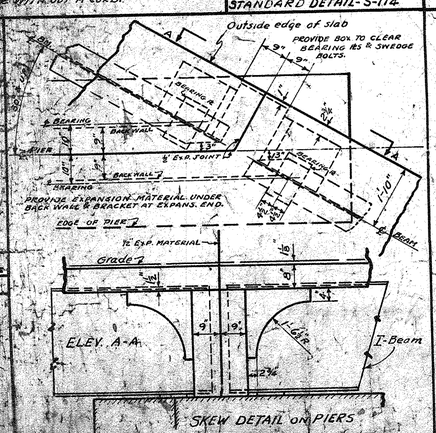
CROSS SECTION OF 10 OR 20' SPAN APPROACH SLABS



DETAIL OF BEARING PLATE

FOR BOTH ENDS ALL SPANS 25 TO 65' INCLUSIVE
FOR FIXED ENDS ONLY SPANS 70 TO 80 INCLUSIVE

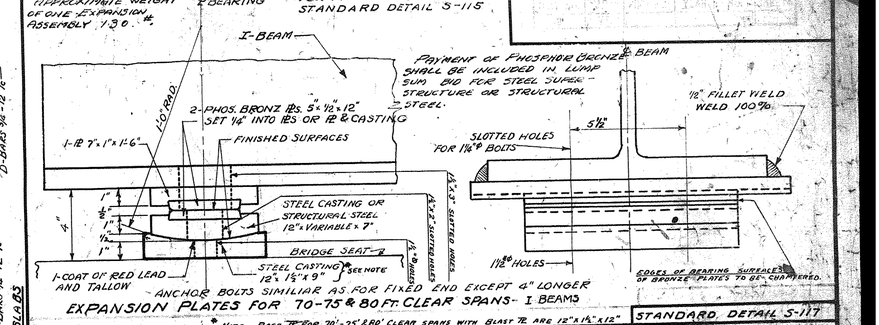
STANDARD DETAIL S-115



SKEW DETAIL ON PIERS

STANDARD DETAIL S-116

STANDARD DETAIL-S-114

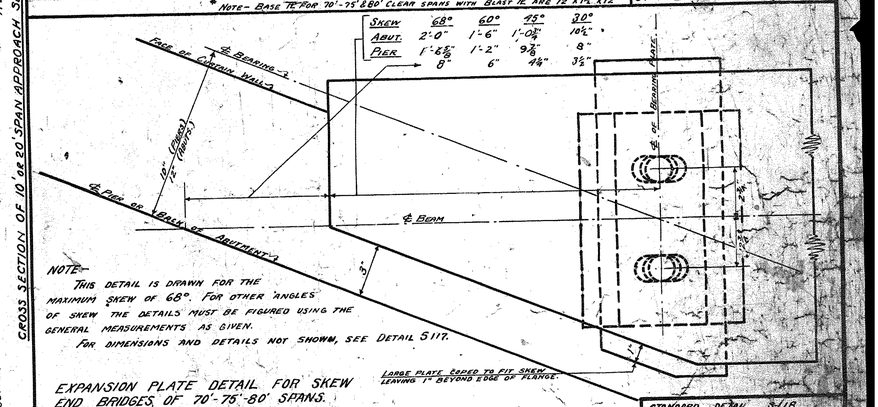


EXPANSION PLATES FOR 70-75 & 80 FT. CLEAR SPANS- I BEAMS

* NOTE- BASE PL FOR 70'-75' & 80' CLEAR SPANS WITH BLAST PL ARE 12"x 1½"x 12"

STANDARD DETAIL S-117

SKEW	68°	60°	45°	30°
ABUT.	2'-0"	1'-6"	1'-0¾"	10½"
PIER.	1'-8⅝"	1'-2"	9⅞"	8"
	8"	6"	4⅝"	3½"



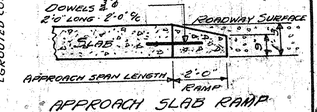
NOTE- THIS DETAIL IS DRAWN FOR THE MAXIMUM SKEW OF 68°. FOR OTHER ANGLES OF SKEW THE DETAILS MUST BE FIGURED USING THE GENERAL MEASUREMENTS AS GIVEN.

FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE DETAIL S117.

EXPANSION PLATE DETAIL FOR SKEW END BRIDGES, OF 70'-75'-80' SPANS.

LARGE PLATE REQ'D TO FIT SKEW LEAVING ¼" BEYOND EDGE OF FLANGE.

STANDARD DETAIL S-118



APPROACH SLAB RAMP

NOTES: RAMP TO BE BUILT ON APPROACH SLAB WHERE CONCRETE SURFACE IS NOT CONTEMPLATED IN THE IMMEDIATE FUTURE.

END OF SLAB TO BE COVERED WITH COAT OF ASPHALT PAINT PREVIOUS TO CONSTRUCTION OF RAMP.

QUANTITIES (ONE RAMP)
CONC. CL. A 1.5 CU YDS.
(PAYMENT SAME AS SLAB)
REINF. STEEL 31 LBS.

TYPICAL DETAILS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

CORRECT: C. D. Jenkins
BRIDGE ENGINEER

REVISIONS		
STANDARD DETAIL S-113 ADDED	F.R.H.	3-4
" " S-114		9-17-35
" " S-115		10-4-35
" " S-116		10-17-35
" " S-117		2-4-36
" " S-118		4-14-36

Surveyed by
Designed by
Drawn by G.W.R. 5/8/35
Traced by D.W.R. 5/8/35
Checked by
Series S.B. No. 21
Sheet of Sheets
Files