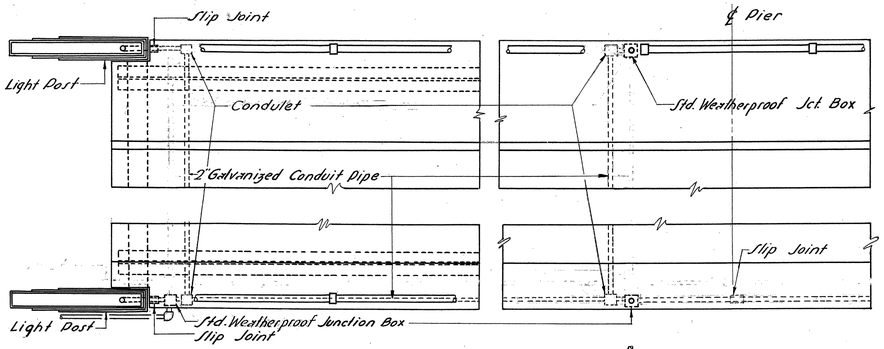
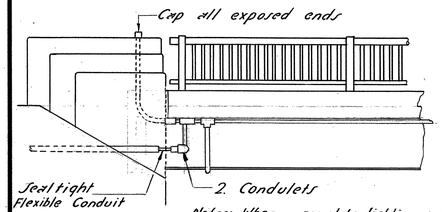
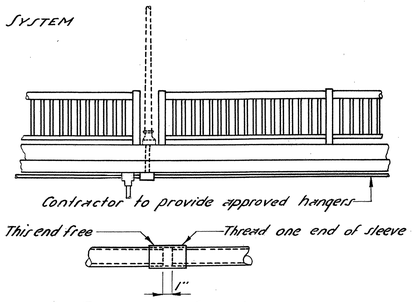


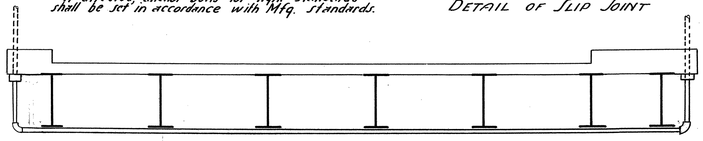
DIAGRAMMATIC LAYOUT OF LIGHTING SYSTEM
See project plans for exact location



Notes: When a complete lighting system is to be installed, the wiring and fixtures shall be as indicated on the project plans. If directed, anchor bolts for light standards shall be set in accordance with Mfg. standards.



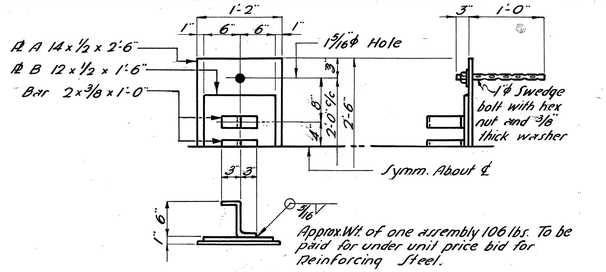
DETAIL OF SLIP JOINT



SECTION ACROSS ROADWAY

DETAILS FOR CONDUIT FOR LIGHTING SYSTEM

(A)

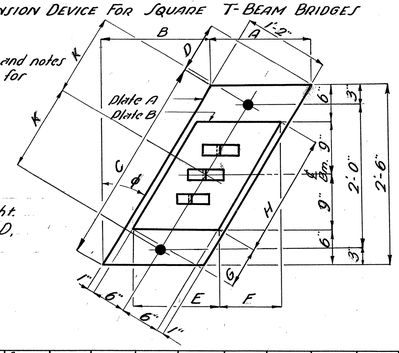


Approx Wt. of one assembly 106 lbs. To be paid for under unit price bid for Reinforcing Steel.

Coat bottom of ℄ B & Contact part of ℄ A with graphite. All surfaces which will be exposed after erection are to be painted one coat of red lead and oil and one coat of approved graphite paint.

SLIDING PLATE EXPANSION DEVICE FOR SQUARE T-BEAM BRIDGES

Details not shown and notes similar to those given for square spans.

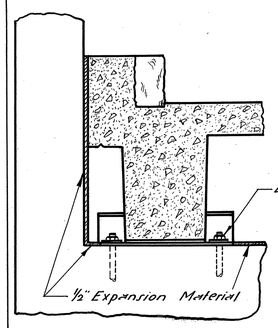


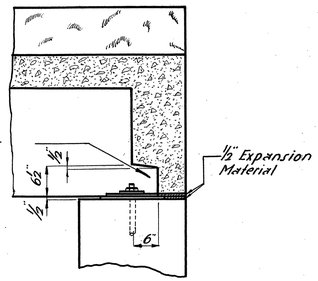
Tabular length of Plates given at this dimension for net weight. Overall length for ℄ A being C + D, and G + H for ℄ B.

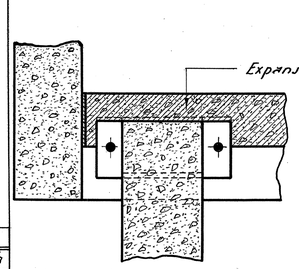
Skew Angle	Size ℄ A	Size ℄ B	Approx. Wgt.	K	A	B	C	D	E	F	G	H
15°	14 x ½ x 2'-7"	12 x ½ x 1'-6 9/16	109	1'-0½	1'-2½	0'-8	2'-7"	0'-3¾	1'-0⅝"	0'-4¾	0'-3¼	1'-6⅜
30°	14 x ½ x 2'-10 3/16	12 x ½ x 1'-8¾"	120	1'-1⅞	1'-4¼	1'-5¼	2'-10 3/16	0'-8	1'-1⅜	0'-10½	0'-6⅜	1'-8¾
45°	14 x ½ x 3'-6½	12 x ½ x 2'-1½"	143	1'-4 7/8	1'-7¾	2'-6"	3'-6½"	1'-2"	1'-4⅝"	1'-6"	1'-0"	2'-1½
60°	14 x ½ x 5'-0"	12 x ½ x 3'-0"	196	2'-0"	2'-4"	4'-4"	5'-0"	2'-0¼	2'-0"	2'-7¼"	1'-8¾	3'-0"

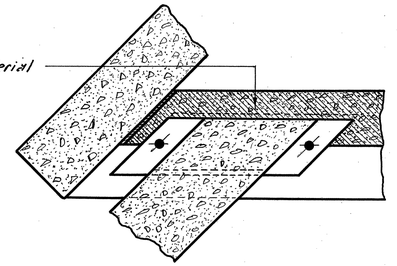
SLIDING PLATE EXPANSION DEVICE FOR SKEW T-BEAM BRIDGES

(B)





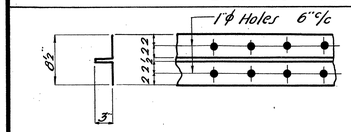




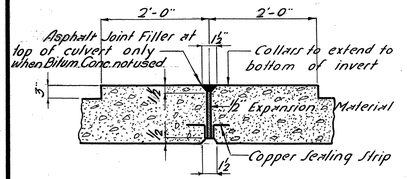
SQUARE BRIDGES SKEWED BRIDGES

DETAILS FOR EXPANSION END OF T-BEAM BRIDGES

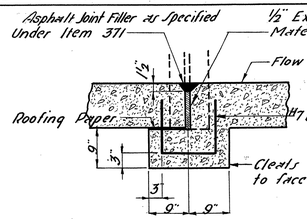
(C)



COPPER SEALING STRIP
Cut from 16 oz. Soft Copper



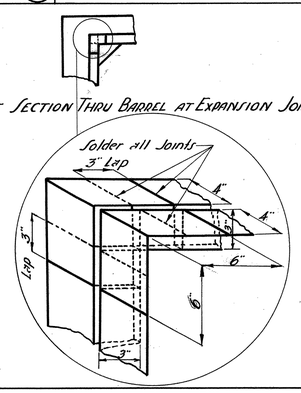
SECTION THRU TOP SLAB OR SIDEWALLS



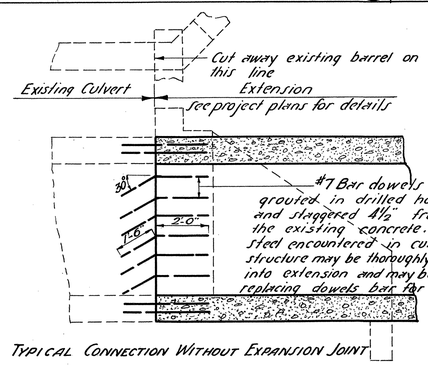
SECTION THROUGH EXPANSION JOINT ACROSS INVERT

Asphalt joint filler, copper sealing strip, expansion material, and all labor and materials necessary to install same shall be included in the unit price bid for Concrete Class B.

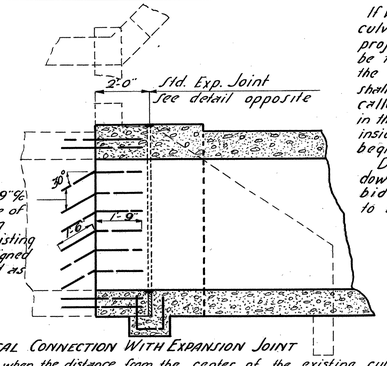
DETAILS OF EXPANSION JOINT



(D)



TYPICAL CONNECTION WITHOUT EXPANSION JOINT



TYPICAL CONNECTION WITH EXPANSION JOINT

If walls, slab or invert of existing culvert are thicker than indicated on the project plans, then the extensions may be thickened accordingly as directed by the Engineer in the field, but in no case shall the extension be thinner than called for on the project plans. Fillets in the extension shall be tapered to meet inside lines of existing culvert at the beginning of the extension.

Drilling, placing, and grouting of dowels to be included in unit price bid for Concrete Class B. Dowels to be paid for as Reinforcing Steel.

To be used when the distance from the center of the existing culvert or from an expansion joint therein to the end of the new culvert exceeds 45 feet.

(E)

REVISIONS & CORRECTIONS
Changed Bit. Joint Filler to Asphalt Joint Filler 9-16-58

DRAWN BY L.M.Bjorn 5-56
TRACED BY A.B.MacDougal 5-56
CHECKED BY J.L.Hibbard 5-56

CORRECT June 11, 1956
A.D.Dibb
BRIDGE ENGINEER

APPROVED June 11, 1956
H.E.Laraunt
CHIEF ENGINEER

CONSTRUCTION DETAILS FOR T-BEAM BRIDGES
DETAILS FOR CONDUIT FOR LIGHTING SYSTEMS
DETAILS FOR REINFORCED CONCRETE BOXES

DEPARTMENT OF HIGHWAYS
STANDARD STRUCTURES

SOUTH BURLINGTON IM DECK(36)
FOR REFERENCE ONLY - BRIDGE 68

SHEET 74 OF 75

SB-21-56