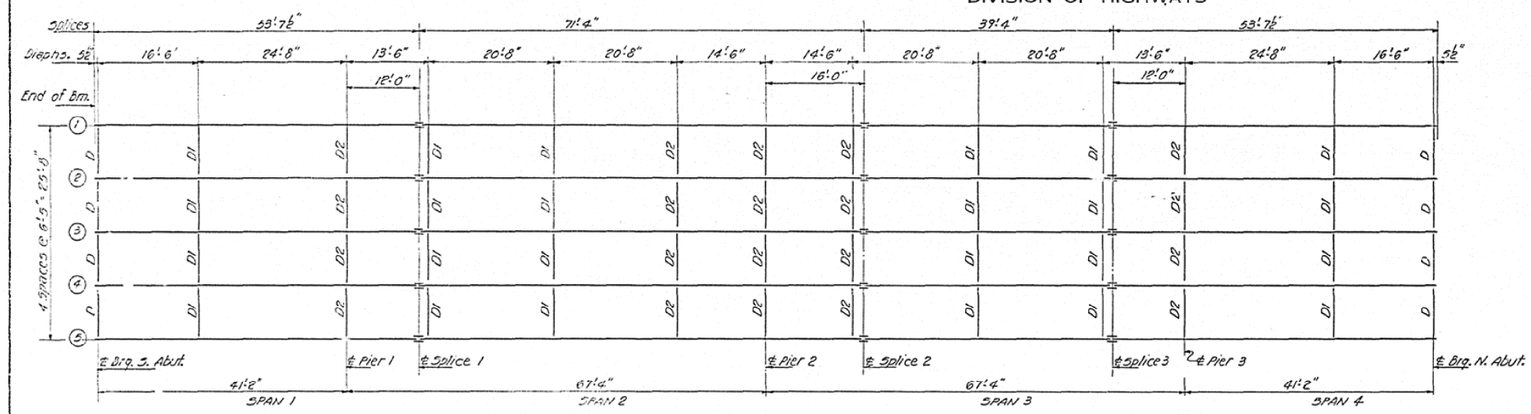
AS–BUILT PLANS
FOR INFORMATION ONLY

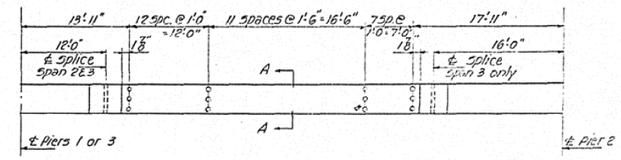
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A. 11	10-71HB	Champaign	37	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

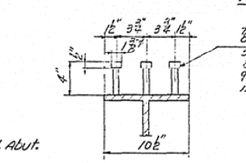
SHEET NO 3
10 SHEETS



FRAMING PLAN
(All beams 30 WF 99)



PLAN - SHEAR CONNECTORS
SPANS 2 & 3



7/8"ø x 4" CR 1020 STL Granular or solid flux filled headed studs automatically end welded. 930 Stud Req'd. (Est. Weight 753 lbs.) included as Structural Steel.

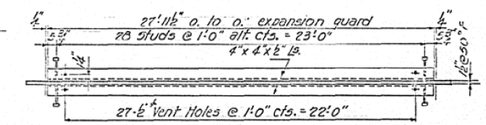
SECTION A-A

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

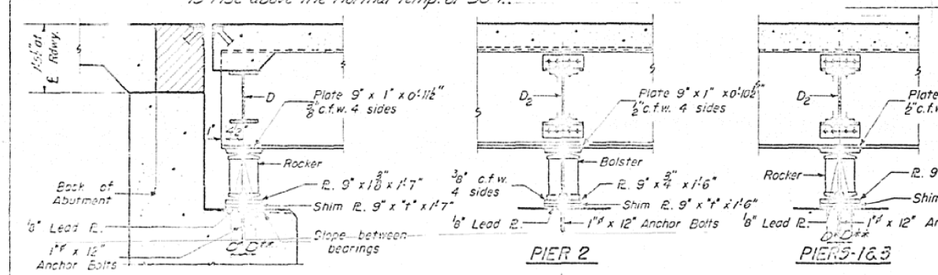
a) (Side of brg. away from fixed brg.)
D# = 1/16" per each 100' of expansion for every 15° fall below the normal temp. of 50°F.

b) (Side of brg. toward fixed brg.)
D## = 1/16" per each 100' of expansion for every 15° rise above the normal temp. of 50°F.

Notes continued:
h) After beams have been erected and dimensions D# or D## determined, holes shall be drilled and anchor bolts shall be grouted in place. All fixed anchor bolts may be built into the masonry.



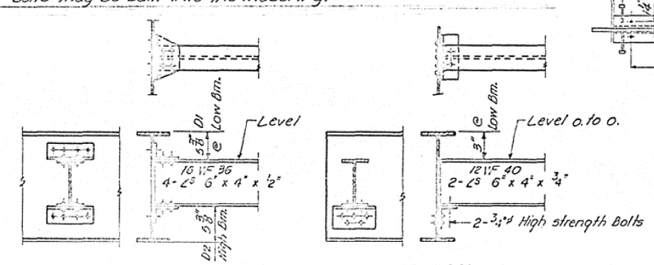
PLAN - EXPANSION GUARD
2 Req'd.



SECTION AT ABUTMENT

PIER 2

PIERS 1 & 3



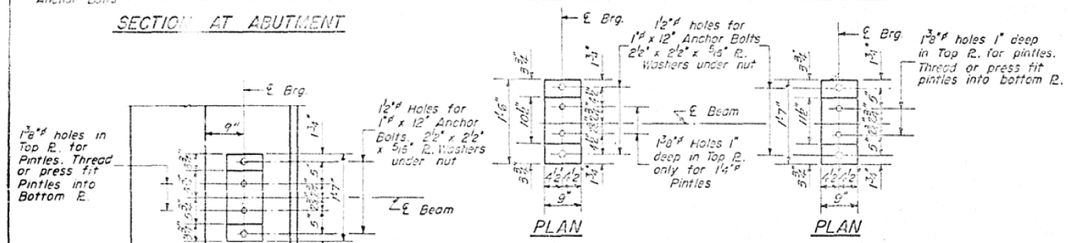
DIAPHRAGM D1 & D2
24 Required D1
20 Required D2

DIAPHRAGM D
8 Required

* ELEVATION TOP OF BEAMS

	Beams 1 & 5	Beams 2 & 4	Beam 3
So. Abut. (Brg.)	784.92	785.06	785.06
Pier 1	785.29	785.41	785.44
Splice 1	785.40	785.52	785.54
Pier 2	785.53	785.65	785.68
Splice 2	785.57	785.69	785.71
Splice 3	785.40	785.52	785.54
Pier 3	785.29	785.41	785.44
No. Abut. (Brg.)	784.92	785.04	785.06

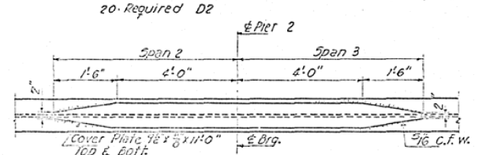
* For correct elevations subtract .04' from values shown.



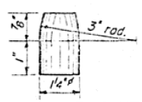
PLAN

PLAN

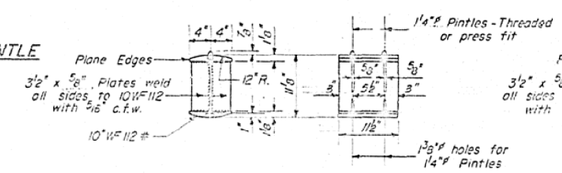
PLAN



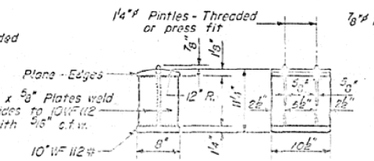
DETAIL OF COVER PLATES



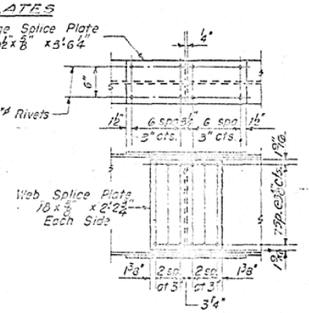
DETAIL OF PINTLE



DETAIL OF BEARING AT PIERS 1 & 3 & ABUTS.



DETAIL OF BEARING AT PIER 2



DETAIL OF SPLICE

TABLE OF "℄" DIMENSIONS

Beam	All Bearings
1 & 5	0"
2 & 4	0"
3	3/8"

DESIGNED P.H. Hagener
CHECKED R. Kowert
DRAWN W.A. Sousamon
CHECKED

MARCH 29 1962
EXAMINED
PASSED
APPROVED

I-2 (A) Rev. 11-25-59

STRUCTURAL STEEL
COUNTY HIGHWAY 10 OVERPASS
F.A.I. 11 - SEC. 10-71HB
CHAMPAIGN COUNTY
STATION 1740+09.74

FILE NAME = c:\pw_work\PWIDOT\SIMSGM\d0184265\D570865-Bridge Repair Plans.dgn	USER NAME = simsgm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS–BUILT PLANS – SN 010–0146 FOR INFORMATION ONLY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			72	(10-71HB)BDR,BJR	CHAMPAIGN	14	12
	PLOT SCALE = 40.0001 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 70865		
	PLOT DATE = 2/26/2010	DATE -	REVISED -		SCALE: SHEET NO. 9 OF 10 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		