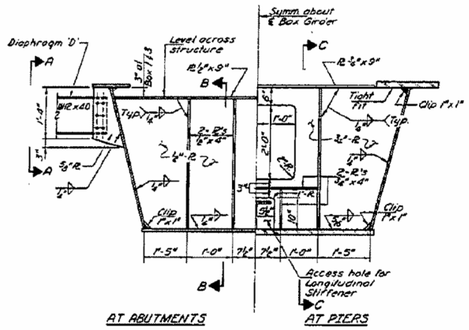
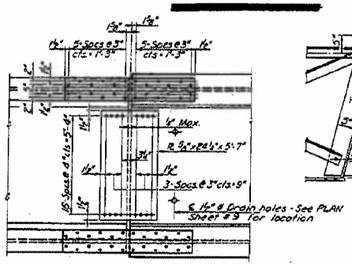
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 325	102BR	SHELBY	41	22
F.A.S. 1764				18 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

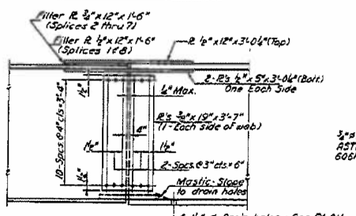


AT ABUTMENTS AT PIERS

SECTION AT BEARINGS

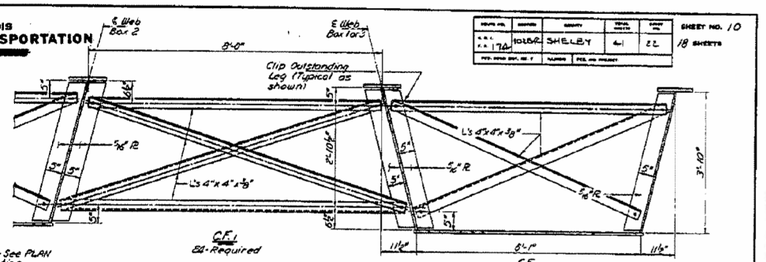


PLAN-FLANGE SPLICES



ELEVATION-WEB SPLICES

Note: All plates in splices shall conform to N.T.R.

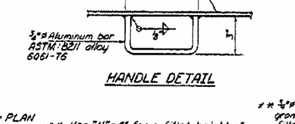


C.F.
52-Required

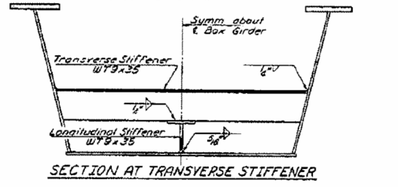
SECTION SHOWING C.F. & C.F.I

C.F.I
108-Required

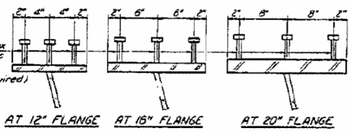
Cross frames C.F. shall be placed in the shop and cross frames C.F.I shall be placed in the field with the exception of the 5/16" R which shall be shop welded. Both C.F. & C.F.I shall remain in place during placement and curing of the concrete deck, after which these cross frames, along with the deck forms shall be removed. See PLAN Sht. # 9 for location.



HANDLE DETAIL



SECTION AT TRANSVERSE STIFFENER

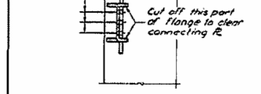


AT 12" FLANGE AT 16" FLANGE AT 20" FLANGE

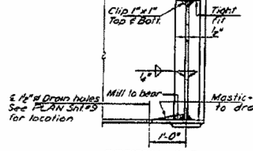
SHEAR STUDS
See Sht # 9 for spacing

* # ⅞"ø x "H" CR1020 STL granular or solid flux killed headed studs automatically end welded. (1320 required)

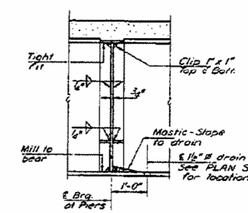
** Use "H" = 4" for a fillet height of 2" or less. With more than 2" fillets increase "H" to maintain not less than 2" penetration above bottom of slab.



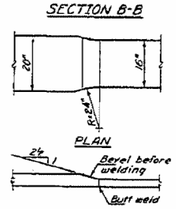
SECTION A-A



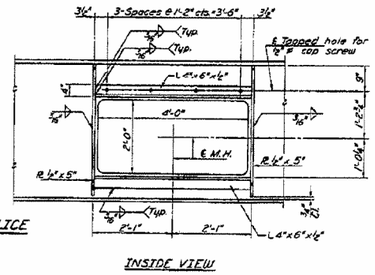
SECTION B-B



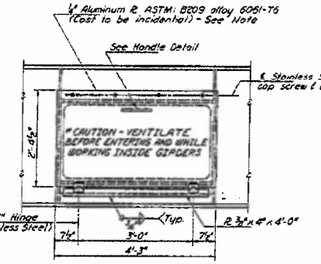
SECTION C-C



DETAIL OF SHOP FLANGE SPLICE
(For different plate width only)



INSIDE VIEW



OUTSIDE VIEW

Note: The exterior surface of the aluminum access door shall be cleaned and given a washcoat pretreatment in accordance with the Steel Structures Painting Council's Specifications SSPC-SP1 and SSPC-PT3 followed by the basic lead silico chromate painting specified for structural steel.

* Warning note shall be stenciled on inside of door using approved paint and two inch (2") high letters. A 6"x 3" Neoprene gasket shall be cemented to inside of door plate around the edges.

MANHOLE DETAILS
(Manholes shall be located in an inside web of each Box Girder in each Span.)

DESIGNED	Ryan Bulling	EXAMINED	Sept. 9, 2013
CHECKED	Stan Cy S. Lee	PASSED	
DRAWN	GH Ritchie	APPROVED	
CHECKED	S. L		DIRECTOR OF HIGHWAYS

STRUCTURAL STEEL DETAILS
S.B.I. RT 128-SEC. 102BR
SHELBY COUNTY
STA. 663+82.5

• D7 BRIDGE PAINTING 2014-2

FILE NAME = c:\pw_work\pwidot\steffenmk\d0344554\D774620-sht-plan.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 8/6/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING BRIDGE PLANS
S.N. 087-0023

SCALE: N/A | SHEET 14 OF 15 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325 774	•	SHELBY	18	17
		CONTRACT NO. 74620		
	ILLINOIS	FED. AID PROJECT		