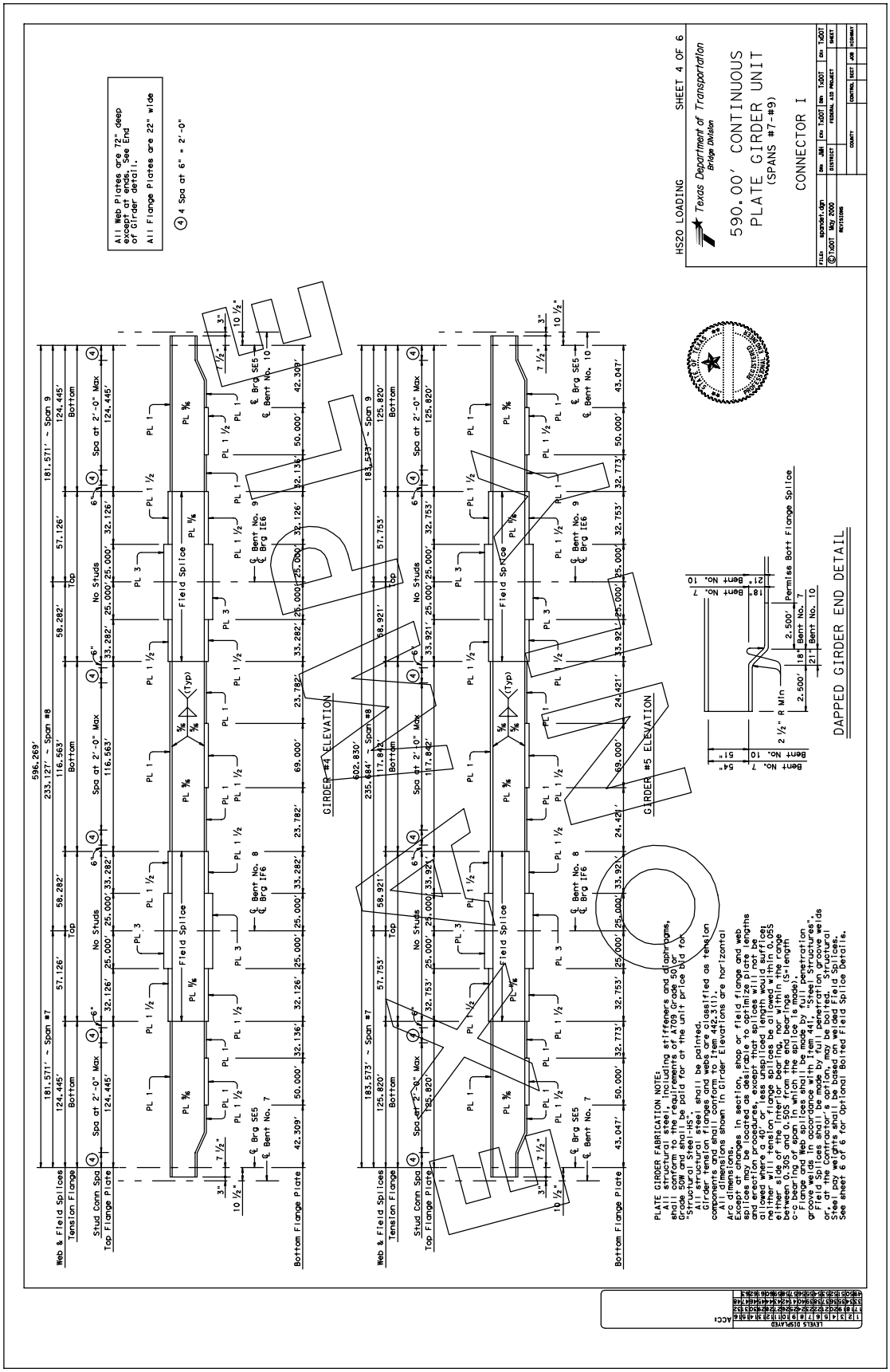

HS20 LOADING
SHEET 4 OF 6
Texas Department of Transportation
Bridge Division
590.00' CONTINUOUS
PLATE GIRDER UNIT
(SPANS #7-#9)
CONNECTOR I
All Web Plates are 72" deep except at ends. See End of Girder detail.
All Flange Plates are 22" wide
4 Spa at 6" = 2'-0"
GIRDER #4 ELEVATION
GIRDER #5 ELEVATION
DAPPED GIRDER END DETAIL
PLATE GIRDER FABRICATION NOTE:
All structural steel, including stiffeners and diaphragms, shall conform to the requirements of A709 Grade 50 or Grade 50W and shall be paid for at the unit price bid for "Structural Steel-HS".
All structural steel shall be painted.
Girder tension flanges and webs are classified as tension components and shall conform to Item 442.311).
All dimensions shown in Girder Elevations are horizontal Arc dimensions.
Except at changes in section, shop or field flange and web splices may be located as desirable to optimize plate lengths and erection procedures, except that splices will not be allowed where a 40' or less unspliced length would suffice; neither will tension flange splices be allowed within 0.05S either side of the Interior bearing, nor within the range between 0.30S and 0.50S from the end bearings (S=length c-c bearing of span in which the splice is made).
Flange and Web splices shall be made by full penetration groove welds in accordance with Item 441, "Steel Structures".
Field Splices shall be made by full penetration groove welds or, at the Contractor's option, may be bolted. Structural Steel Bay weights shall be based on welded Field Splices. See sheet 6 of 6 for Optional Bolted Field Splice Details.

Fig. 6-6