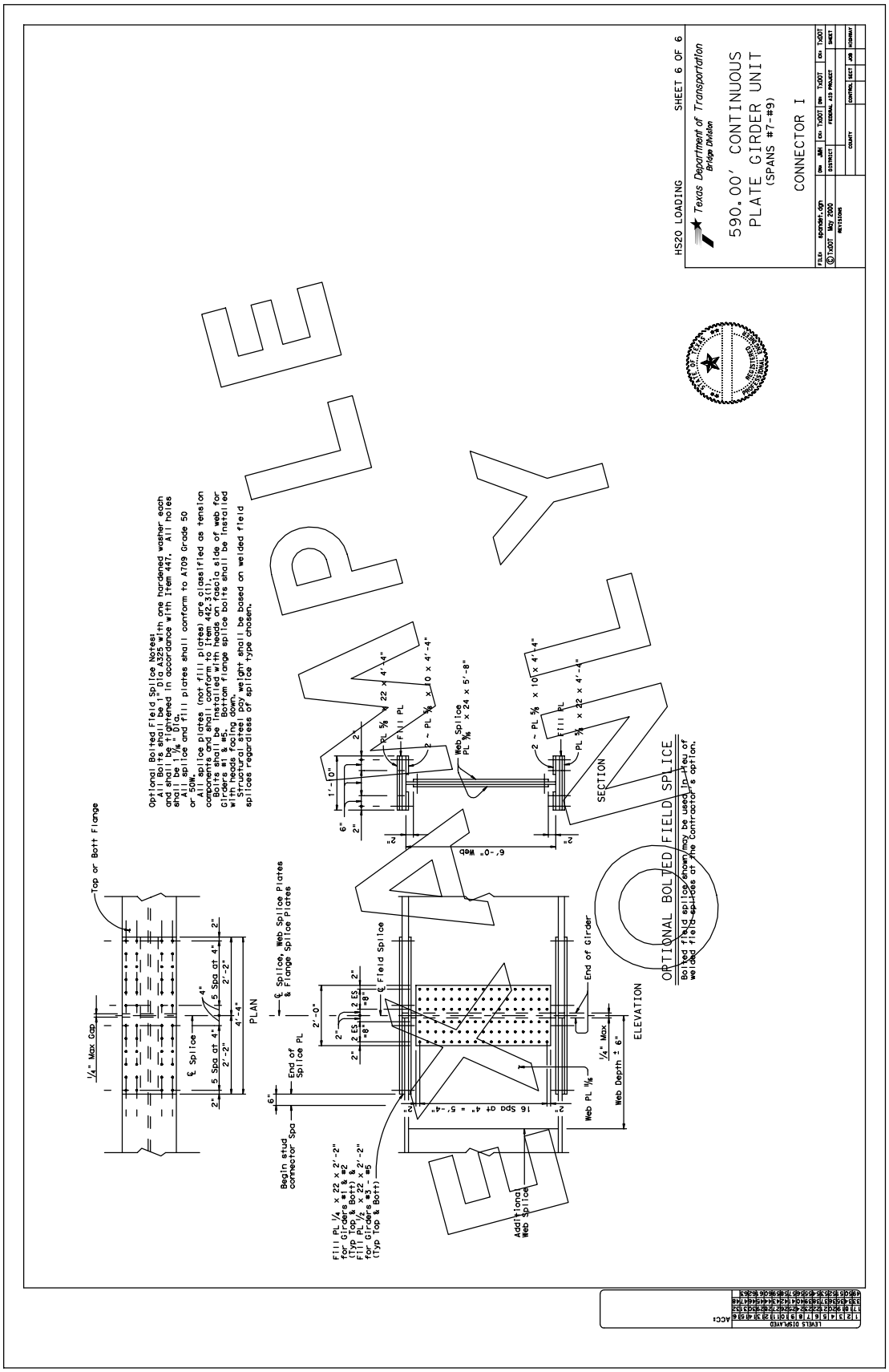
HS20 LOADING
SHEET 6 OF 6
Texas Department of Transportation
Bridge Division
590.00' CONTINUOUS
PLATE GIRDER UNIT
(SPANS #7-#9)
CONNECTOR I
Optional Bolted Field Splice Notes:
All Bolts shall be 1" Dia A325 with one hardened washer each and shall be tightened in accordance with Item 447. All holes shall be 1 1/16" Dia.
All splice and fill plates shall conform to A709 Grade 50 or 50W.
All splice plates (not fill plates) are classified as tension components and shall conform to Item 442.3(1).
Bolts shall be installed with heads on fascia side of web for girders #1 & #5. Bottom flange splice bolts shall be installed with heads facing down.
Structural steel pay weight shall be based on welded field splices regardless of splice type chosen.
Top or Bott Flange
1/4" Max Gap
PLAN
℄ Splice
5 Spa at 4"
℄ Splice, Web Splice Plates & Flange Splice Plates
End of Splice PL
Begin stud connector Spa
℄ Field Splice
End of Girder
Web PL 11/16
Web Depth ± 6"
1/4" Max
16 Spa at 4" = 5'-4"
Additional Web Splice
Fill PL 1/4 x 22 x 2'-2" for Girders #1 & #2 (Typ Top & Bott) & Fill PL 1/2 x 22 x 2'-2" for Girders #3 - #5 (Typ Top & Bott)
ELEVATION
SECTION
Web Splice PL 9/16 x 24 x 5'-8"
Fill PL
2 ~ PL 5/8 x 10 x 4'-4"
6'-0" Web
OPTIONAL BOLTED FIELD SPLICE
Bolted field splice shown may be used in lieu of welded field splices at the Contractor's option.
SAMPLE
LEVELS DISPLAYED
ACC:

Fig. 6-8