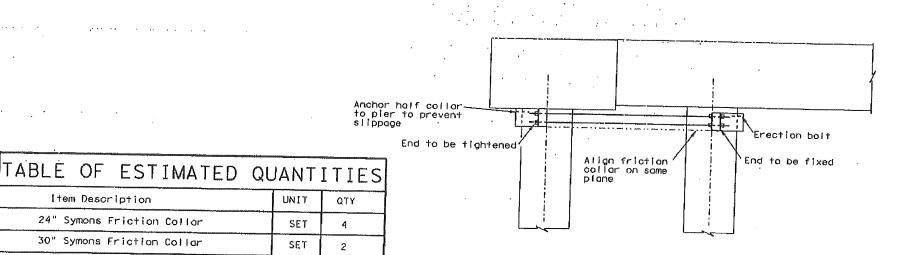


TYPICAL BENT REPAIR



#Appropriate hardware should be included (Hardened Washers and nuts)

Item Description

24" Symons Friction Collar

30" Symons Friction Collar

1"- Approx. 5'-6" Galvanized Threaded Rod

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ELEVATION TYPICAL BENT REPAIR

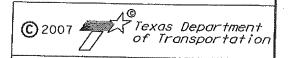
NOTES FOR BENT REPAIR:

- 1. Provide galvanized equipment and hardware specified in plans and in accordance with Item 445, "Galvanizing" and Item 447 "Structural Bolting,"
- 2. Threaded rod must have a minimum yield strength of 36 ks i.
- 3. Ensure friction collars are aligned on some plane before anchoring with erection bolts. Bolt locations for friction collar anchorage may be adjusted due to field conditions as approved.
- 4. Tightness of threaded rod may be adjusted and approved by engineer in the field,

TIGHTENING PROCEDURE:

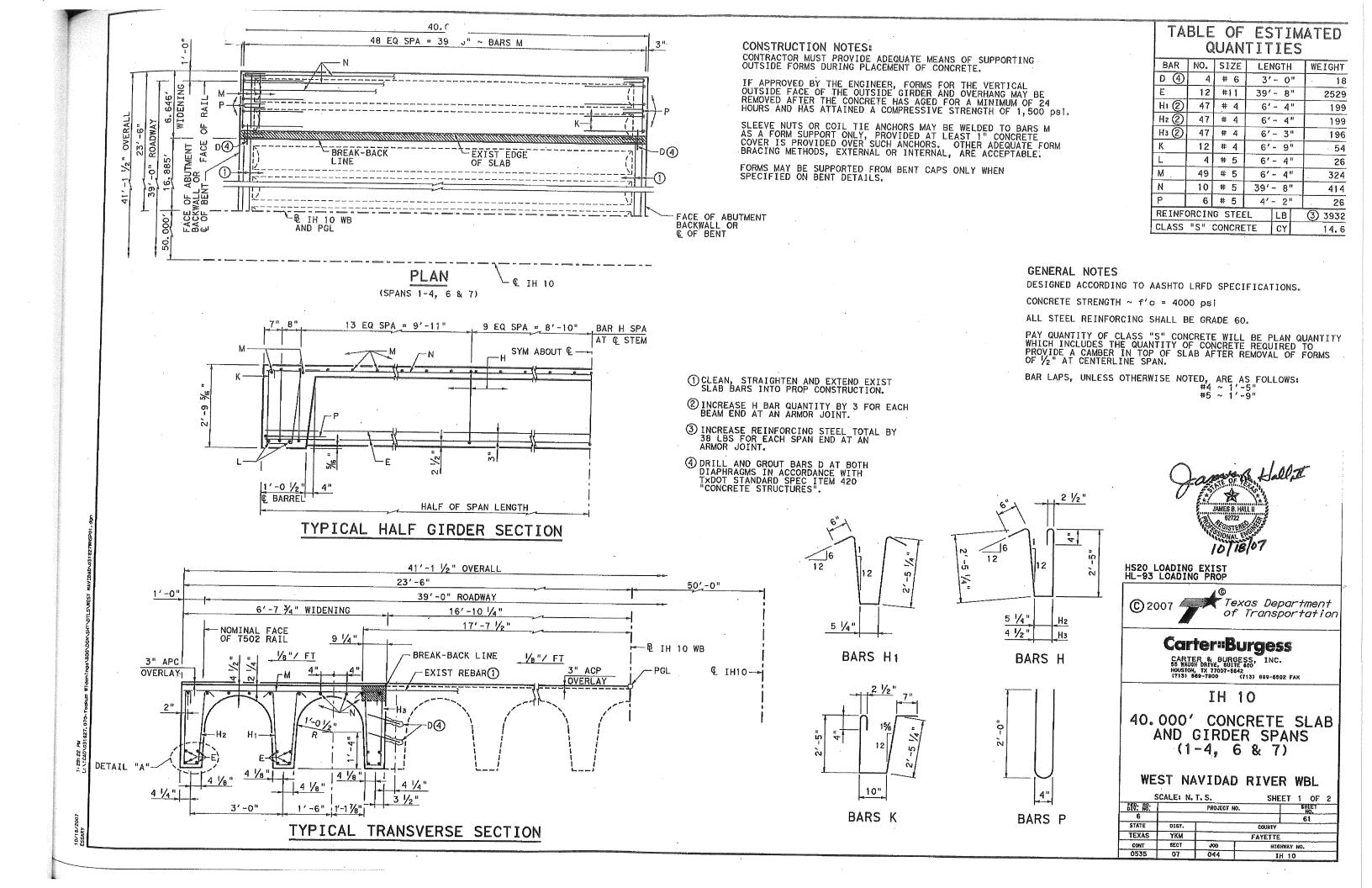
- Simultaneously snug tighten threaded rods from Tightening End (Item 447) to ensure even distribution of loads and proper seating.
- After snug tightness is achieved on both sides, mark nuts and threaded rods on one side in accordance with Item 447, "Structural Boiting", and turn the nuts half a turn (4.4 kips).
- 3. In the some manner proceed to the other side, mark threaded rods and nuts, then turn nuts one full turn (8.8 kips).
- 4. Return to the threaded rods on the first side and turn nut half of a full turn, finishing with a total of one full turn (8.8 kips).
- 5. Return to all threaded rods and grind threads behind nut to prevent backing off of nut.

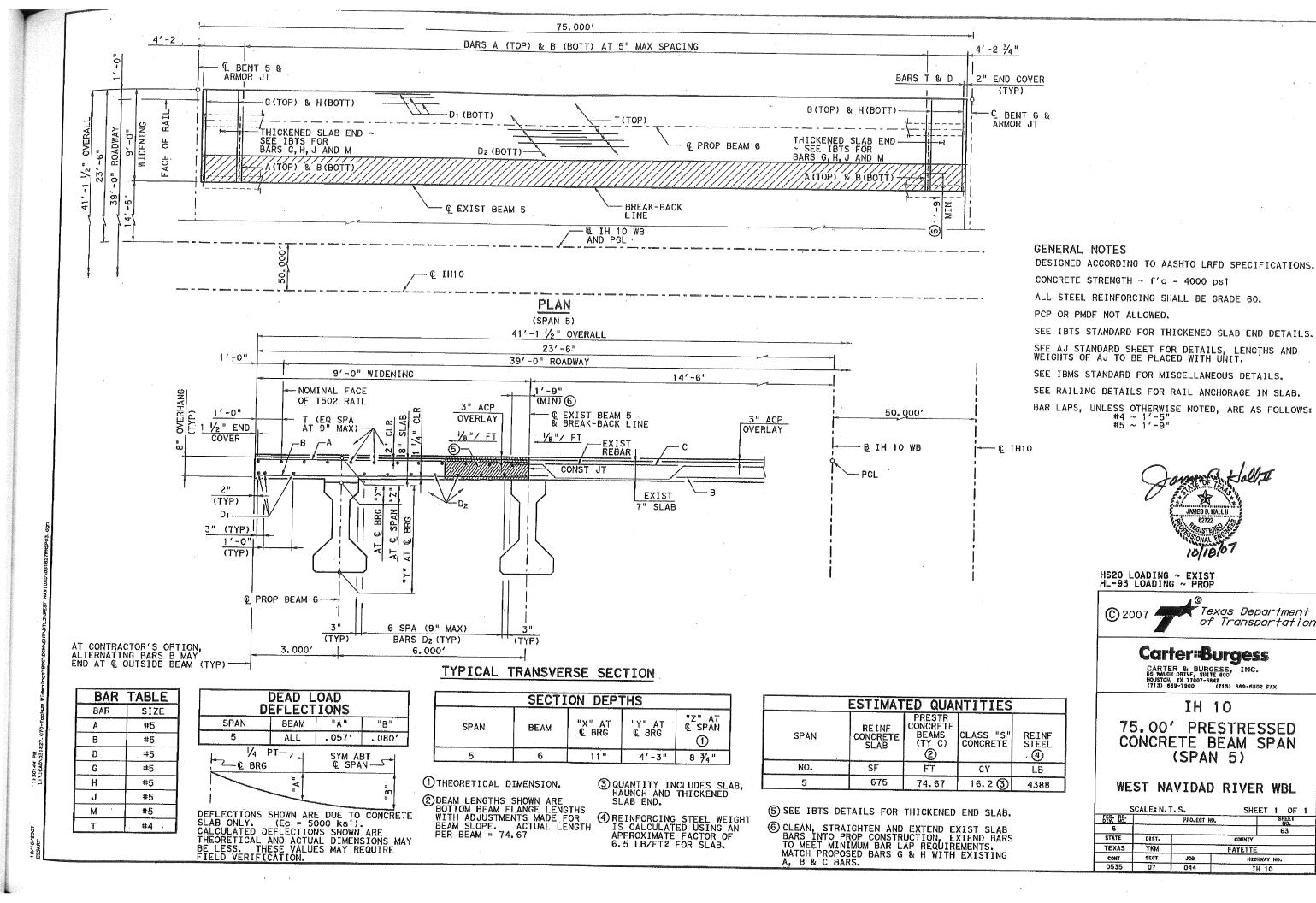




IH 10 BENT REPAIR AT WEST NAVIDAD RIVER WBL

DIV. HO:		SHE		
6	1M 0106 (093)		(3) 604	
STATE	DIST.	COUNTY		
TEXAS	YKM			
CCHT	SECT	JOB	HICHWAY NO.	
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SHEET 1 OF 1

RECHWAY NO.

IH 10

COLINA

FAYETTE

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