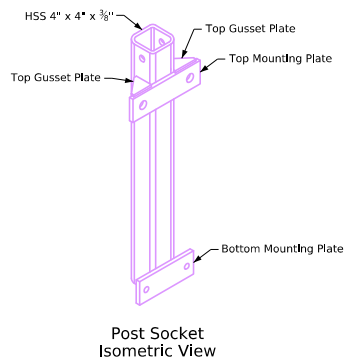
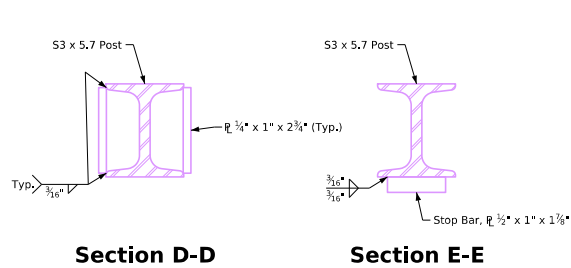
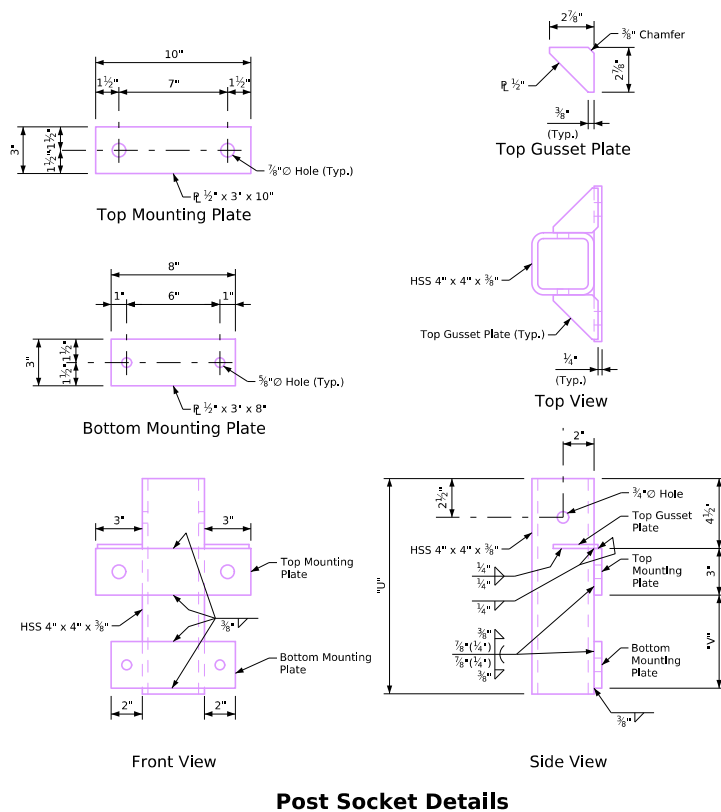
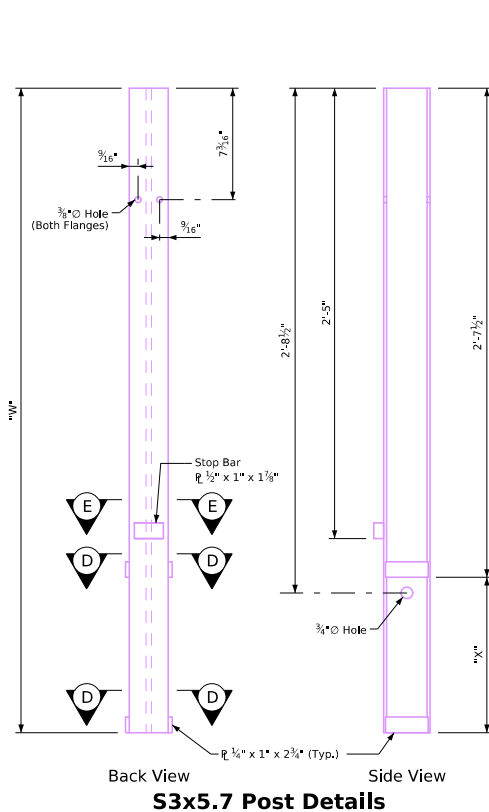




Structural Steel - Rail Post & Socket Assembly					
		Span			
		20'-0"	30'-0"	40'-0"	50'-0"
One Post Assembly	Post S3x5.7 (Lbs.)	21.1	22.5	22.5	22.5
	Post Socket Assembly (Lbs.)	29.6	34.6	34.6	34.6
	Bolts, All-Thread Rod, Nuts, Washers (Lbs.):				
	(1) 3/8"Ø x 1 1/2" Bolt w/ Nut and Washer	5.9	4.9	4.9	4.9
	(1) 3/8"Ø x 5" Bolt w/ Nut and Washer				
Integral Abut.	(2) 3/4"Ø x ("T" + 2") All-Thread Rod w/ Nuts and Washers				
	(2) 1/2"Ø x 6" All-Thread Rod w/ Nuts and Washers				
High Abut.	Weight per Assembly (Lbs.)	56.6	62.0	62.0	62.0
	Number of Posts	18	24	30	36
Total Weight (Lbs.)		1018	1488	1860	2232
Number of Posts		12	18	24	30
	Total Weight (Lbs.)	679	1116	1488	1860



Post & Socket Dimension Table					
Span	Anchor Bolt	Post Socket		Post	
	"T"	"U"	"V"	"W"	"X"
20'-0"	1'-0"	1'-2 3/8"	6 1/2"	3'-6"	10 1/2"
30'-0"	8"	1'-5 1/4"	10"	3'-9"	1'-1 1/2"
40'-0"	8"	1'-5 1/4"	10"	3'-9"	1'-1 1/2"
50'-0"	8"	1'-5 1/4"	10"	3'-9"	1'-1 1/2"

Latest Revision Date	 Approved by Bridge Engineer	IOWA DOT	
		Standard Design - 24'-0" Roadway, Single Span Bridge	
		Single Span Concrete Slab Bridges	
		July, 2025	
		Bridge W-Beam Guardrail Details	J24S-31-25