

	ROUTE NO.	SECTION	COUNTY	SHEETS	SINCET NO.	SHEET NO. 1
	FAP 22	127BR-1	HENRY	33	15	16 SHEETS
	FEC. ROAD DIST. NO. 7 ILL		INDIS FED. ALD PROJECT-			
	Contract	# 64B2	4			
	INDEX OF	- SHEET	s in			
			Elevation			
					erial &	Rail Elev.
	3. Stagin					
			ire Detail:		:	
			Bridge R		Mounte	D .
			System-Ex ssembly_D			
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LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS 2002 AASHTO

DESIGN STRESSES

- FIELD UNITS
- $f'_c = 5,000 \text{ psi}$ (Conc. wearing surface)
- $F'_c = 3,500 \text{ psi} (All others)$
 - $f_y = 60,000 \text{ psi} \text{ (reinforcement)}$

PRECAST PRESTRESSED UNITS

- f'_c = 5,000 psi
- f'ci = 4,000 psi
- f's = 270,000 psi (1/2" \$ low lax strands)
- f'si = 210,960 psi

SCOPE OF WORK

I. Remove existing surfacing, concrete railings, deck beams, and abutment hatch blocks. Reconstruct a three-span PPC Deck Beam superstructure with concrete wearing surface and Steel Bridge Rail Type SM utilizing stage construction.

2. Seal existing cracks and repair delaminated/spalled concrete areas on abutments and piers. Sound and repair bearing seats at abutments and piers as required.

3. Place new PPC Deck Beams and place concrete wearing surface with joints.

4. Pour abutment hatch blocks to elevation of concrete wearing surface.



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