

1. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tiahtly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete. As directed by the Engineer, existing construction accessories welded to the top flanae of beams and airders shall be removed. The weld areas shall be around flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding l_{4} in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

2 Plan dimensions, elevations and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. 3. Joint opening shall be adjusted according to Art. 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50 deg. F.

5. The new concrete deck surfaces shall have its final finish tined according to Article 420.09(e)(1). 6. The Contractor shall us extreme care during concrete removal so as not to damage the existing $2l_2$

	UNIT	TOTAL					
	Ton	47					
	Sq Yd	31					
Surface , N80	Ton	546					
	Cu Yd	16.7					
	Sq Yd	36					
uctural Steel	Pound	3120					
	Cu Yd	19.2					
Coated	Pound	2800					
	Each	16					
	Foot	325,5					
tem	Sq Yd	5202					
	Sq Ft	6026					
Depth)	Sq Yd	125					
pth, Type I)	Sq Yd	4					

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DESIGN SPECIFICATIONS

Original Construction

AASHTO 1977 & 1978, 1979 & 1980 Plus Interims

LOADING HS20-44

Original Construction PG NB or Alternate Military Loading Rdwy. Allow 25 p.s.f. for Fut.W.S.

DESIGN STRESSES

Original Construction PRECAST PRESTRESSED UNITS

- f'c = 5,000 psi f'ci = 4,000 psi
- f's = 270,000 psi ¹2" \$\phi\$ strands

f'si = 189,000 psi - 1/2" \$\phi\$ strands

Load Factor Design for Slab.

- f'c = 3,500 psi
- fy = 60,000 bsi

fs = 20,000 psi (M183) & 27,000 psi (M223 G50) & (M222 Structural)

fc = 1.400 psi, fs = 24.000 psi (Substructure) PROPOSED STRUCTURE

LUCATION SKETCH						
D ELEVATION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
214 & 060-0253	255	60-(7,8) RS-2	MADISON	261	228	
217 & 000-0235	CONTRACT NO. 76A89					
16 SHEETS		THUNDIS EED ATD PROJECT				