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CHECKED	ENGINEER OF BRIDGES AND STRUCTURES
BSD-1 (M) 4-30-97	

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	PLOT SCALE = 50.0000 ' / IN,	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		(FOF	R REFERENC	E ONLY)		74 37-	(4HB,4HB-1,4HB-2)D	HENRY	148 126
	PLOT DATE = Wed Aug 05 07:35:12 2009	DATE ~	REVISED -	DEFAILMENT OF TRANSFORTATION	CON C.	CUPPT NO	SUCCES	- cr.	TO 071	·····			NO. 64264
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	*(37-3)RS-	1, (37.	4)RS & 37-48-0	)	-				

## NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rads shall be of minimum 400 MPa yield strength, threaded or coiled full length. All reinforcement bars shall be lapped and fied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

fsalow<sup>\*\*</sup> Allowable tensile stress in lapped reinforcement bars in MPa (Service Load) A<sub>1</sub> = Tensile stress area of lapped reinforcement bars (mm<sup>2</sup>), \* = 28 day concrete

BAR SPLIC	ER ASSEMBLI	ES				
	Strength Requirements					
Splicer Rod or lowel Bar Length	Min. Capacity kN - tension	Min. Pull-Out Strength kN - tension				
6.10 mm	100	40				
790 mm	150	60				
1.04 m	250	100				
1.37 m	350	140				

Bar splicer assamblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

## **EXISTING BRIDGE PLANS**

## FOR REFERENCE ONLY

## I-74 OVER OPHIEM ROAD F.A.I. ROUTE 74 - SECTION 37-4HB HENRY COUNTY STATION 43+338,313 STRUCTURE NO. 037-0015 (W. STRUCT.) 037-0016 (E. STRUCT.)

BAR SPLICER ASSEMBLY DETAIL:

REVISED II-20-97