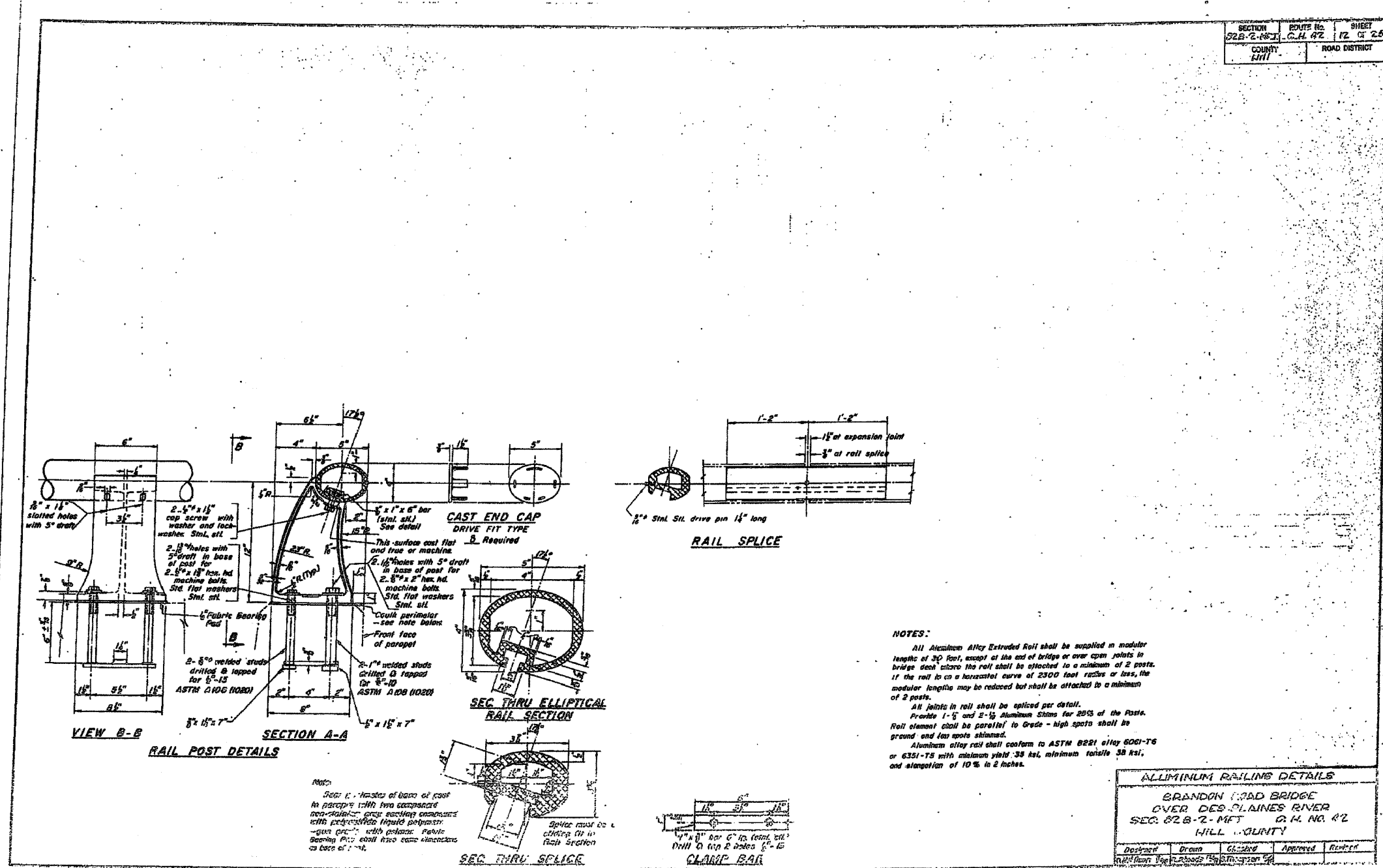


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTION	ROUTE No.	SHEET
82B-2-MFT	C.H. 42	12 OF 25
COUNTY	ROAD DISTRICT	
WILL		



NOTES:
 All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 36' Rail, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.
 All joints in rail shall be spliced per detail.
 Provide 1-1/2" and 2-1/2" Aluminum Slugs for 20% of the Posts. Rail element shall be parallel to Grade - high spots shall be ground and low spots skimmed.
 Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with minimum yield 38 ksi, minimum tensile 58 ksi, and elongation of 10% in 2 inches.

ALUMINUM RAILING DETAILS				
BRANDON ROAD BRIDGE OVER DES PLAINES RIVER SEC. 82B-2-MFT C.H. NO. 42 HILL COUNTY				
Described	Drawn	Checked	Approved	Revised

DESIGNED -	JLS
CHECKED -	MRB
DRAWN -	VH
CHECKED -	MRB

FOR INFORMATION ONLY

benesch
 alfred benesch & company
 Engineers • Surveyors • Planners
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-965-0450 Job No. 3808.02

SHEET NO. S39 S47 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	341	04-00090-07-BR	WILL	57	47
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63442					

EXISTING PLAN INFORMATION
STRUCTURE NO. 099-3298