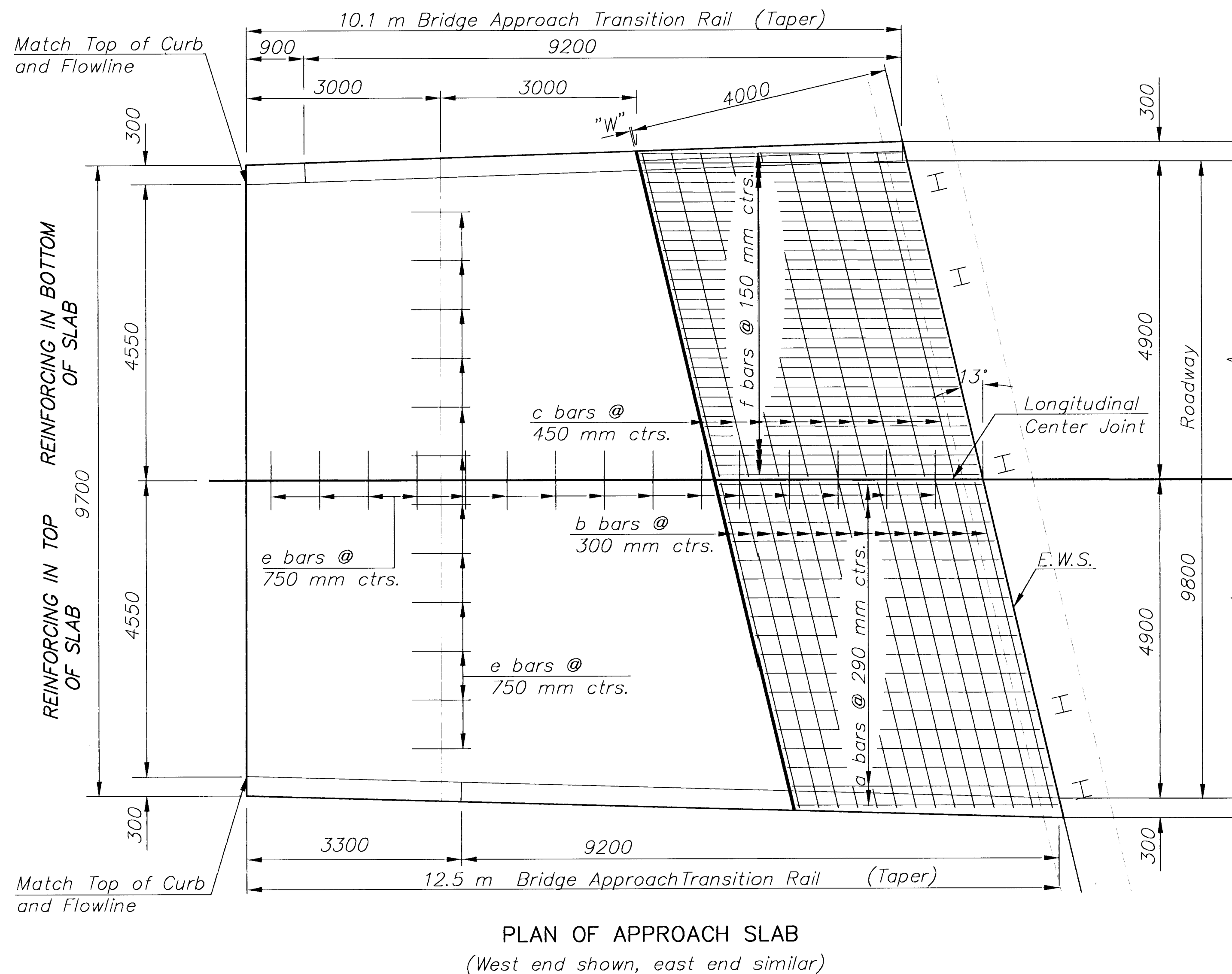
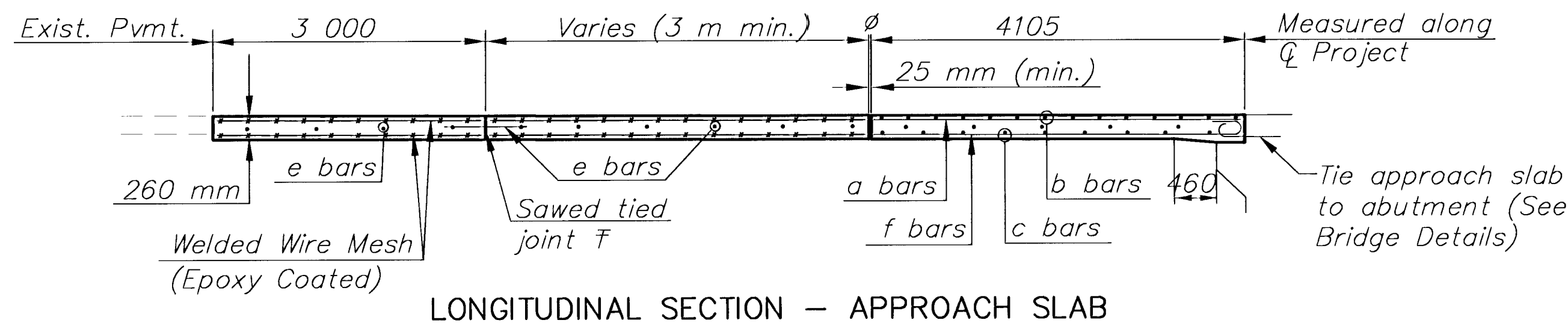
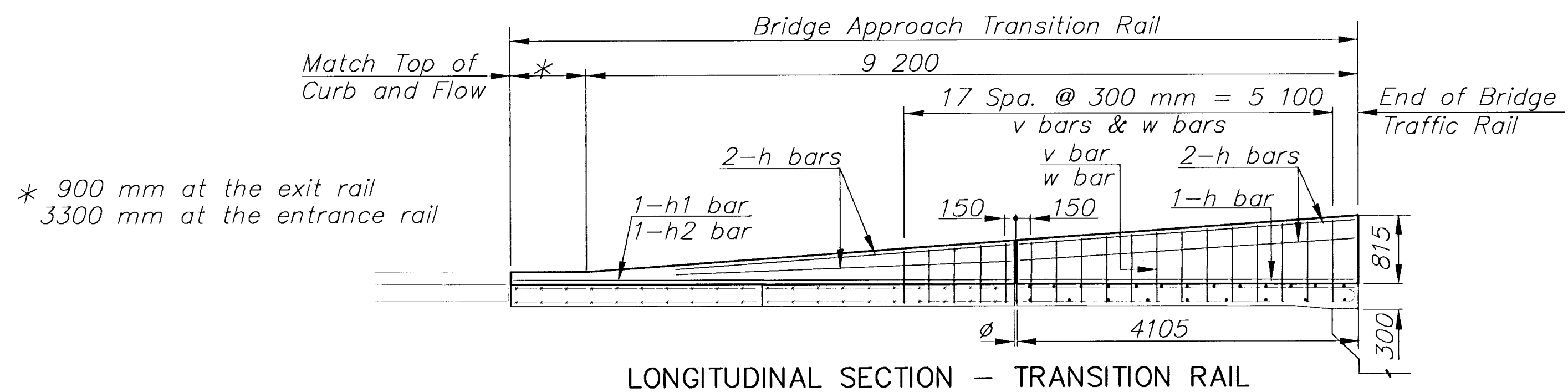
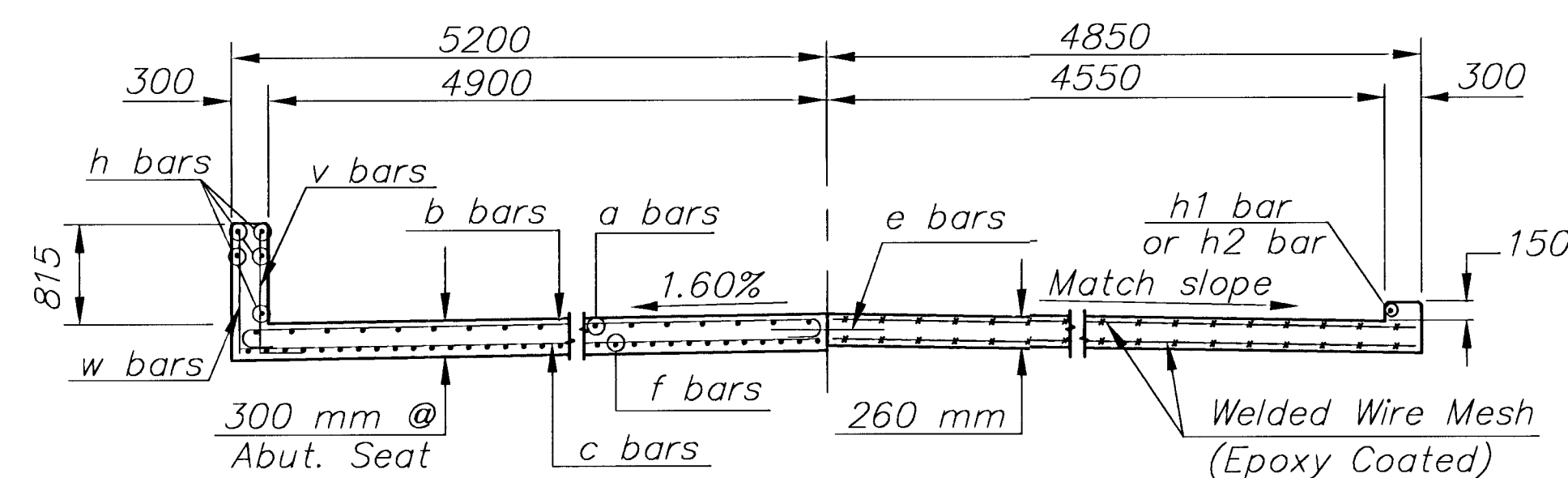




Ø Expansion Joint. See Std. RD662SI.
⌘ Contractor has the option of substituting a Tied Keyed Construction Joint.

- GENERAL NOTES**
1. Special Concrete Bridge Approach shall be paid for as sq. m of "Concrete Pavement (260 mm Unif.)(AE)" and includes all work and materials required to construct the approach slab as shown on this sheet.
 2. All work and materials required for installation of expansion joints and pressure relief joints shall be subsidiary to this bid item.
 3. All preformed joint material shall be installed perpendicular to pavement surface. Formed joints shall be edged with 6 mm radius tool for length of joint.
 4. At the Contractor's option #13 x 900 mm tie bars @ 380 mm centers may be substituted for the #19 e bars at 750 mm centers.
 5. Clearance from the face of concrete for all reinforcing steel shall be 50 mm.
 6. Standard reinforcing bar hooks in accordance with the latest ACI specifications shall be used throughout.
 7. See Standard Drawing RD661 SI for details of joint and reinforcing mesh.
 8. Transition Rail to be paid as m "Concrete Safety Barrier (Special)(AE)" and includes all work and materials required for construction as shown.
 9. All reinforcing steel shall be epoxy coated.

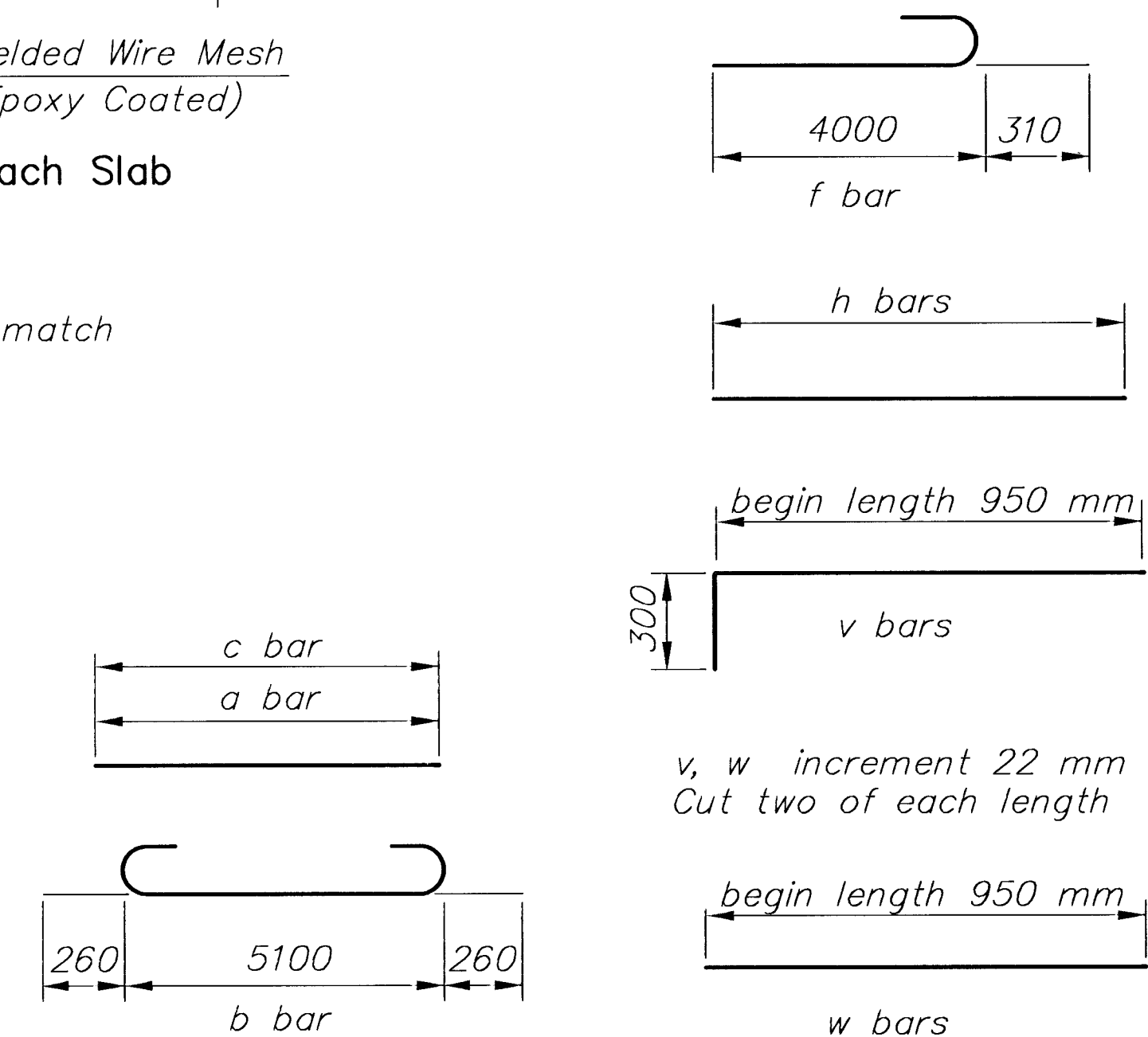


At Bridge Abutment

At End of Approach Slab

TRANSVERSE SECTION OF SLAB AND RAIL

Transition cross slope from 1.60% at E.W.S. to match existing cross slope at end of approach slab



BENDING DIAGRAM

All dimensions are out to out unless otherwise noted.
All bars are epoxy coated

BILL OF MATERIALS - 13° Skew							
Bar Schedule		△ See Bending Diagram					
SLAB	Bar	a	b	c	e	f	
	No.	72	56	36	54	136	
	Size	16	16	16	19	19	
	Length	4000	5620	5100	900	4310	
RAIL	Bar	h	h1	h2	v	w	
	No.	36	2	2	72	72	
	Size	16	16	16	13	13	
	Length	4000	5900	8240	△	△	
Reinforcing Steel						2939	kg
Concrete Pavement (260 mm Unif.)(AE)						227.4	m ²
Expansion Joint						20 860	mm
Concrete Safety Barrier (Special)(AE)						45.2	m

Quantities listed for east and west approach slabs and rails.
Reinforcing steel and joint lengths shown for information only.



MURDOCK AVENUE BRIDGE
PROJECT NAME

APPROACH SLAB & TRANSITION RAIL
SHEET TITLE

KJS DESIGN BY: **DPG** DRAWN BY: **PAF** CHECKED BY:
FEB. 1999 DATE: **97042** JOB NO. **5 / 39** SHEET/OF