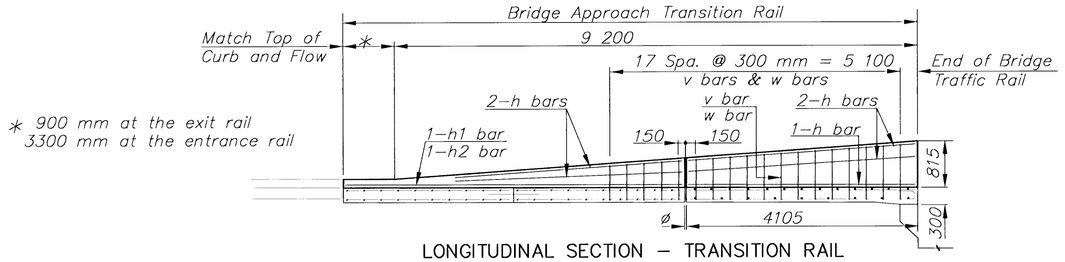
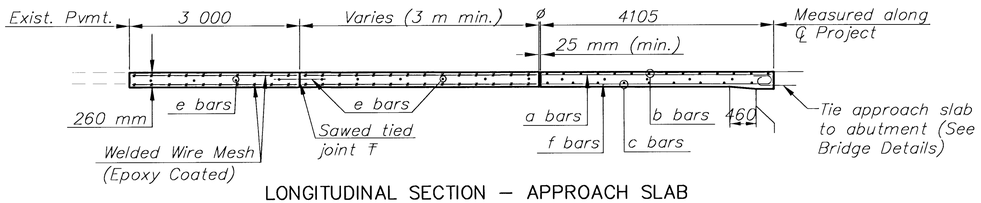


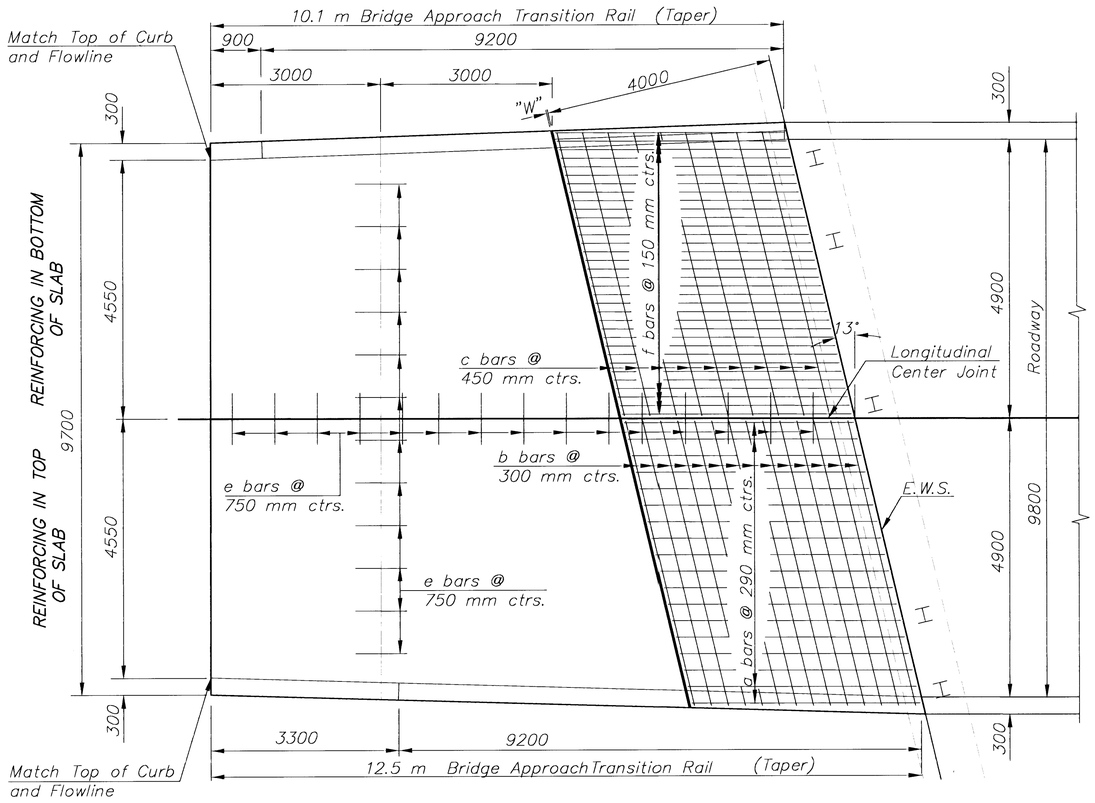
* 900 mm at the exit rail
3300 mm at the entrance rail

LONGITUDINAL SECTION — TRANSITION RAIL

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



LONGITUDINAL SECTION — APPROACH SLAB



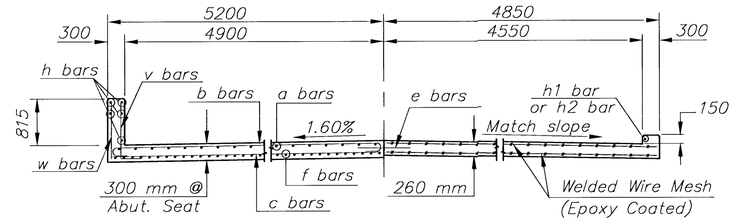
PLAN OF APPROACH SLAB
(West end shown, east end similar)

Notes:

1. *Spacing of longitudinal reinforcing bars is normal to center line. Spacing of transverse reinforcing bars is parallel to center line.*

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 thoughout.*
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.*



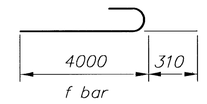
At Bridge Abutment — At End of Approach Slab

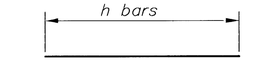
TRANSVERSE SECTION OF SLAB AND RAIL

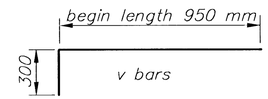
Transition cross slope from 1.60% at E.W.S. to match existing cross slope at end of approach slab

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

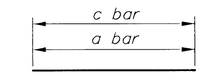
Quantities listed for east and west approach slabs and rails. Reinforcing steel and joint lengths shown for information only.

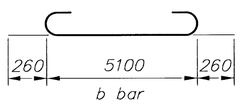


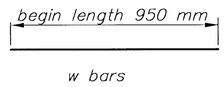




v, w increment 22 mm
Cut two of each length







BENDING DIAGRAM

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

MID-KANSAS ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

MURDOCK AVENUE BRIDGE
PROJECT NAME

APPROACH SLAB & TRANSITION RAIL
SHEET TITLE

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