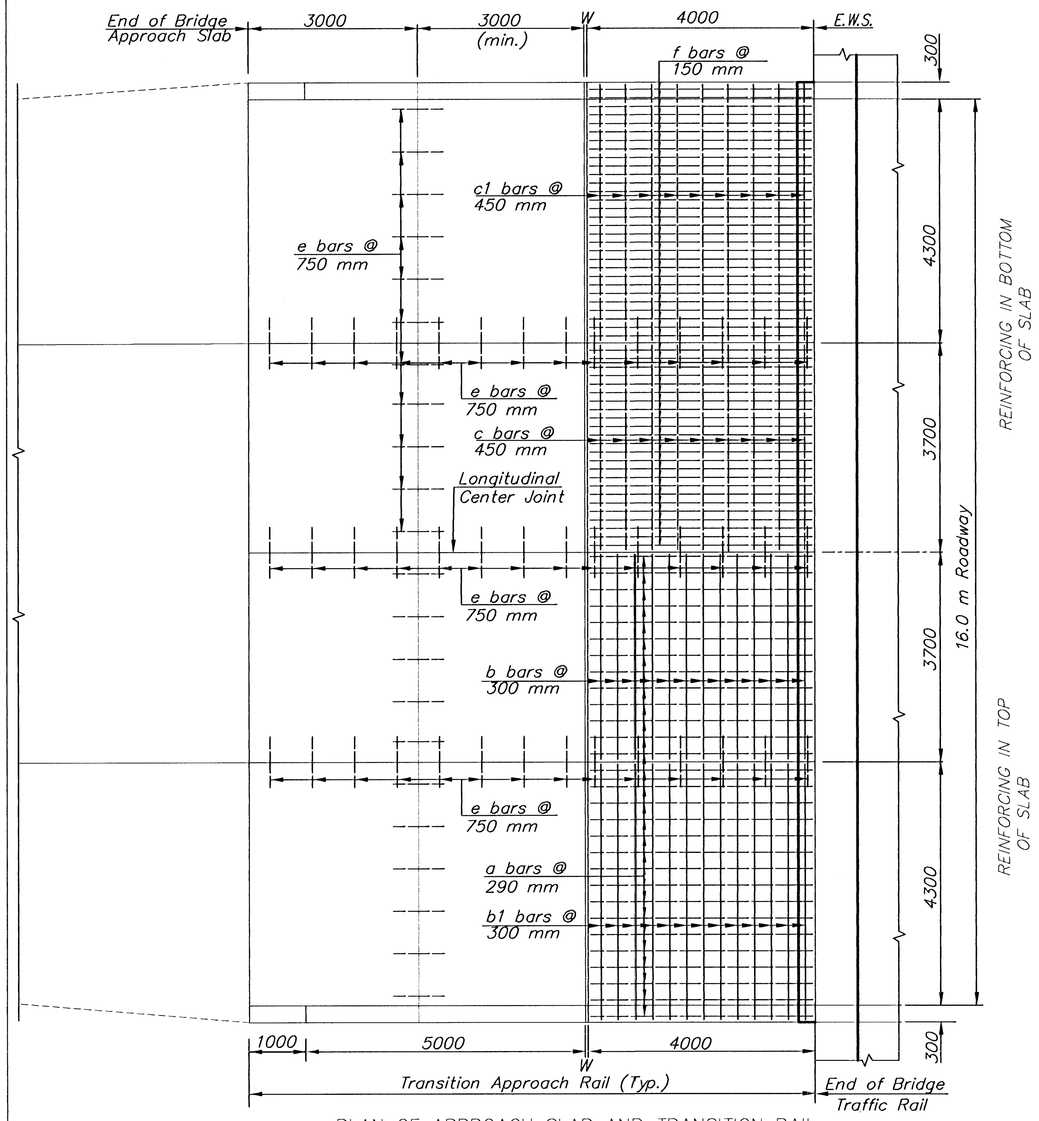


LONGITUDINAL SECTION



PLAN OF APPROACH SLAB AND TRANSITION RAIL

W Expansion Joint. See Bridge Construction Layout Sheet for width, Standard Drawing RD662SI for details.

F Contractor has the option of substituting a Tied Keyed Construction Joint.

SCALE: 1:500

GENERAL NOTES

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.

All work and materials required for installation of expansion joints shall be subsidiary to Concrete Pavement (260 mm Unif.) (AE).

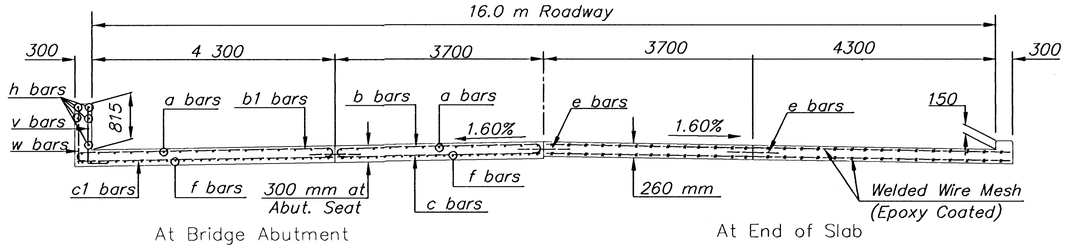
Transition Approach Rail shall be paid as "Concrete Safety Barrier (Special)(AE)."

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.

At the Contractor's option #13 x900 mm tie bars @ 380 mm centers may be substituted for the #19 e bars at 750 mm centers.

Clearance from the face of concrete for all reinforcing steel shall be 50 mm.

Standard reinforcing bar hooks in accordance with the latest ACI specifications shall be used thoughout.



TRANSVERSE SECTION OF SLAB AND RAIL

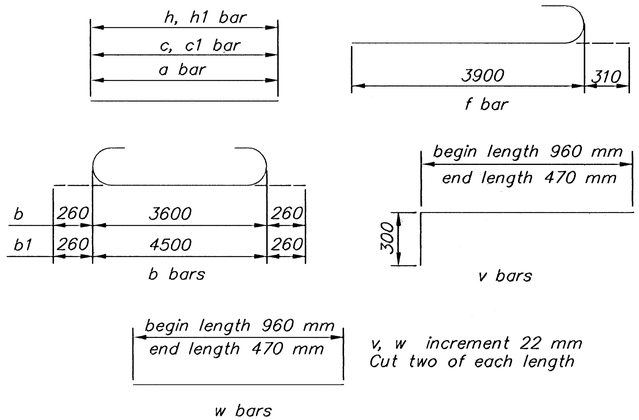
BILL OF MATERIALS (ONE APPROACH ONLY)

Bar Schedule △ See Bending Diagram

	Bar	a	b	b1	c	c1	e	f
SLAB	No.	58	28	28	18	18	64	108
	Size	16	16	16	16	16	19	19
	Length	3900	4120	5020	3600	4500	900	4210
	Bar	h	h1	v	w			
RAIL	No.	10	10	46	46			
	Size	16	16	13	13			
	Length	3900	4900	△	△			

Reinforcing Steel	2350	kg
Concrete Pavement (260 mm Unif.)(AE)	166	m^2
Expansion Joint	16 600	mm
Concrete Safety Barrier (Special)(AE)	20	m

NOTE:
1. Quantities listed for one approach slab and rails only. Two required per bridge.
2. Reinforcing steel and joint lengths shown for information only.
3. Transition Approach Rail to be paid as m "Concrete Safety Barrier (Special)(AE)".



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

MAPLE STREET BRIDGE (OVER NORTH FORK CALFSKIN CREEK)
PROJECT NAME

APPROACH SLAB & TRANSITION RAIL
SHEET TITLE

PAF	DPG	SDH
DESIGN BY:	DRAWN BY:	CHECKED BY:
JUNE 1999	96099	43 / 127
DATE	JOB NO.	SHEET/OF