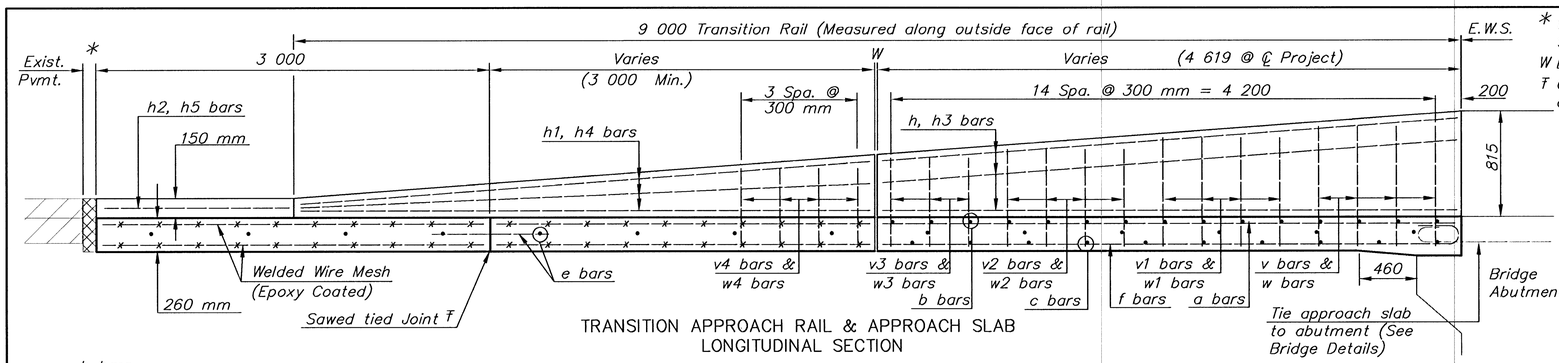
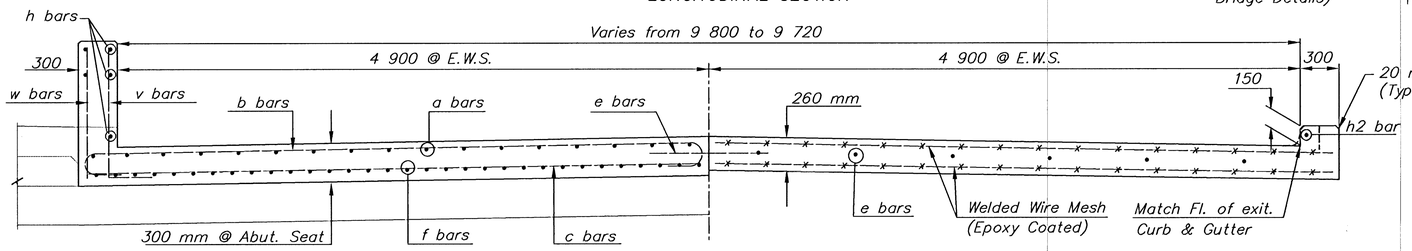
DATE	BY	REFERENCES NOTED / REFERENCES CHECKED



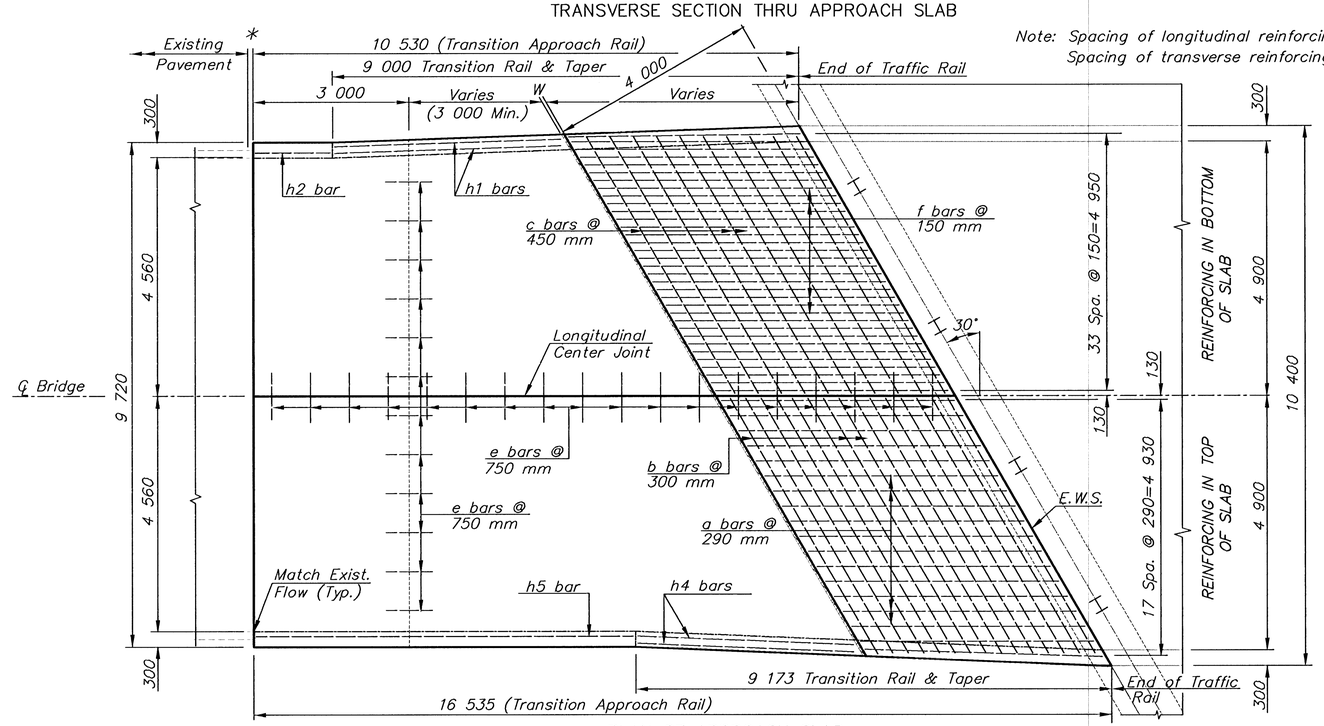
TRANSITION APPROACH RAIL & APPROACH SLAB
LONGITUDINAL SECTION



AT BRIDGE ABUTMENT

AT END OF SLAB

TRANSVERSE SECTION THRU APPROACH SLAB



PLAN OF APPROACH SLAB
(South Approach Shown, North Approach Similar)

Note: Spacing of longitudinal reinforcing bars is normal to centerline.
Spacing of transverse reinforcing bars is parallel to center line.

* 100 mm Pressure Relief Joint. See Std. RD661Sl.

W Expansion Joint. See Std. RD662Sl.

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

FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
7	KANSAS	87 N-0088-01	1999	4	38

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 and pressure relief joints shall be subsidiary to Concrete Pavement (260 mm Unif.)(AE).

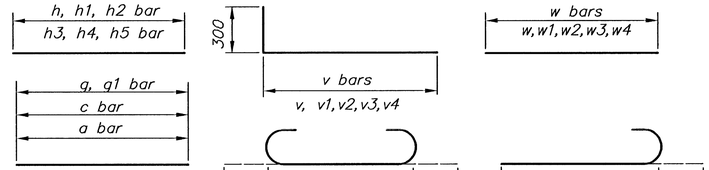
Transition Approach Rail shall be paid as "Concrete Safety Barrier (Special)(AE)."

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 x 900 mm tie bars @ 380 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.



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

30° SKEW
BILL OF MATERIALS
Bar Schedule

Bar	a	b	c	e	f	h	h1	h2	h3	h4	h5	
No.	36	30	20	30	68	5	5	1	5	5	1	
Size	16	16	16	19	19	16	16	16	16	16	16	
Length	4 540	6 200	5 680	900	4 800	4 260	4 490	1 430	4 630	4 200	7 260	
Bar	v	v1	v2	v3	v4	w	w1	w2	w3	w4		
No.	8	8	8	6	8	8	8	8	8	8		
Size	13	13	13	13	13	13	13	13	13	13		
Length	1 220	1 130	1 040	975	900	920	830	740	675	600		

Reinforcing Steel	1,730	kg
Concrete Pavement (260 mm Unif.)(AE)	134.5	sq. m
Expansion Joint	11.6	m
100 mm Pressure Relief Joint	9.4	m
Concrete Safety Barrier (300 mm)(Special)(AE)	27.07	m

Note: Quantities listed for one approach slab only. Two required per bridge.

Reinforcing steel, joint lengths and Concrete Safety Barrier shown for information only.

NO.	DATE	REVISIONS	BY	APP'D
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION
BR. NO. 530400870GC1020 STA. 1+450.20
APPROACH SLAB & TRANSITION RAIL
(Eastern Street over Gypsum Creek)
PROJ. NO. 87 N-0088-01 SEDGWICK CO.

MID-KANSAS ENGINEERING CONSULTANTS, INC.
WICHITA, KANSAS

DESIGNED BY:	PAF	CHECKED BY:	MDK	
DRAWN BY:	DPG	DATE: 11-19-98	SHEET	OF

H:\CIVIL\9546\DETAILS\9546TRAN.DWG Thu Jan 28 08:32:54 1999 Plotted by DPG