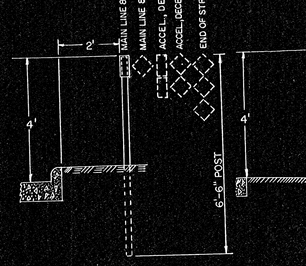
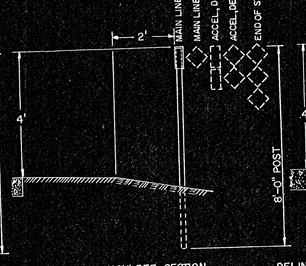
F.H.W.A. REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS		1978	4	143

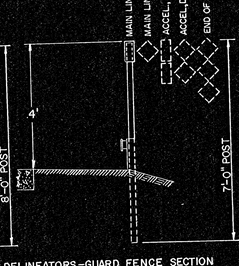
PROJ. NO. (BC) 96-87 K-044-1(28) PTS. I & II



DELINEATORS - CURB SECTION

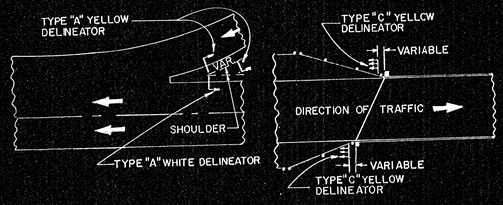


DELINEATORS - SHOULDER SECTION



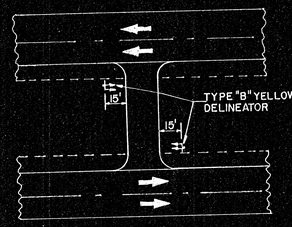
DELINEATORS - GUARD FENCE SECTION AND STRUCTURE ENDS

DELINEATOR LOCATION AT OFF-RAMP GORE

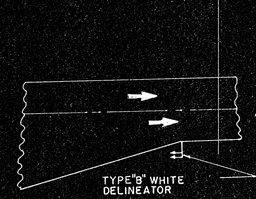


DELINEATOR LOCATION AT ON-RAMP GORE

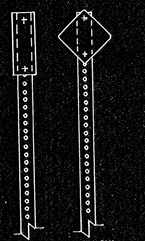
DELINEATOR LOCATION FOR STRUCTURE ENDS



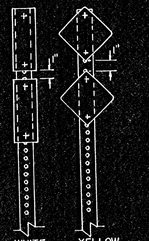
DELINEATOR LOCATION FOR MAINTENANCE CROSS OVERS



DELINEATOR LOCATION FOR END OF ACCELERATION LANE



TYPE "A" DELINEATOR ASSEMBLY MAIN LINE, RAMP



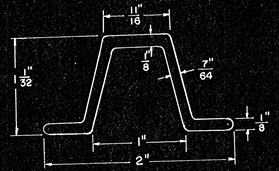
TYPE "B" DELINEATOR ASSEMBLY ACCELERATION LANE DECELERATION LANE & CROSS OVERS



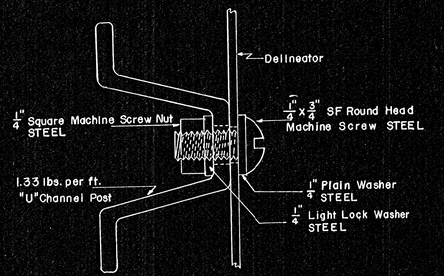
DELINEATOR ASSEMBLY END OF STRUCTURES



DELINEATOR POST PUNCHING



DELINEATOR POST
Flanged Channel
Weight 1.33 lbs. per. ft.
(All dimensions shown are nominal)



DELINEATOR MOUNTED ON POST

DELINEATOR ASSEMBLIES
Reflectorized Sheeting

PATTERN OF DELINEATION

ROAD TYPE	RIGHT EDGE DELINEATOR	LEFT EDGE DELINEATOR
MAIN LINE	SINGLE WHITE	SINGLE YELLOW
ACCELERATION & DECELERATION LANE	DOUBLE WHITE	DOUBLE YELLOW
RAMP	SINGLE WHITE	SINGLE YELLOW

FASTENING ACCESSORIES:
All items of fastening accessories are required to be Zinc or Cadmium plated. The machine screws and nuts shall comply with Sec. 1006.14, and the washers shall comply with Sec. 1006.14(e) of the Standard Specifications For State Road And Bridge Construction (1973 EDITION)

COLOR SPECIFICATIONS FOR DELINEATORS:

3" X 8" - Delineator face to be covered with enclosed lens white reflective sheeting.

5" X 5" - Delineator face to be covered with enclosed lens yellow reflective sheeting.

The type of adhesive for reflective sheeting may be solvent activated, heat activated or pressure sensitive.

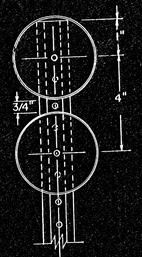
3 1/4" Dia. White and or yellow button type delineator see Alternate No. 2 Section 1012.03, 1973 Edition Standard Specifications for State Road and Bridge Construction, State Highway Commission of Kansas.

DELINEATOR POSTS:
Galvanized, unpunched weight shall be 1.33 lb/per foot of length. A minus weight tolerance of 3 percent will be permitted. The plus tolerance is not limited Hole spacing and alignment tolerance shall be 1/16" Hole punching shall not produce radial cracks in the surrounding metal and holes shall be free from cockles and burrs. Front and back faces shall be approximately parallel and the flanges of the open end shall be approximately flat and in the same plane. The cross section shall be symmetrical about the center axis perpendicular to the front and back.

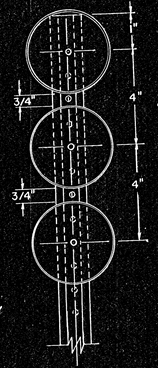
Galvanizing shall conform to Sec. 1006.20 (b), (3) of the Standard Specifications For State Road and Bridge Construction (1973 Edition)



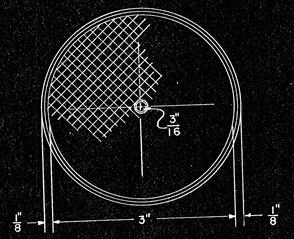
TYPE "A" WHITE OR YELLOW DELINEATOR ASSEMBLY MAINLINE, RAMP



TYPE B WHITE OR YELLOW DELINEATOR ASSEMBLY DECELERATION LANE ACCELERATION LANE & CROSS OVERS



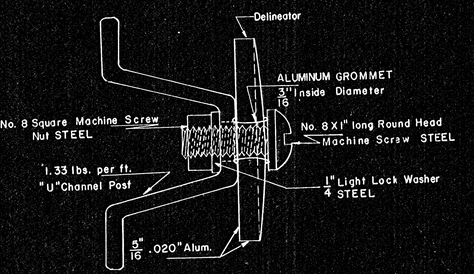
TYPE "C" YELLOW DELINEATOR ASSEMBLY, END OF STRUCTURE



3 1/4" Diam. WHITE OR YELLOW CENTER MOUNT PLASTIC REFLECTOR UNIT
(All dimensions shown are nominal)



DELINEATOR ASSEMBLIES
Plastic Reflectorized Buttons



DELINEATOR MOUNTED ON POST

NO.	DATE	REVISIONS	BY	APP'D
11	4-13-76	Delineator Colors & Types	AFT	AFT
10	11-5-75	Chg. "Amber" to "Yellow" "Silver" to white	W	AT
9	8-8-75	Delineation @ Off-Ramp Gore	AT	AT
8	9-23-74	Delineation @ On-Ramp Gore	AT	AFT
7	11-6-73	Chg. Punching on Delin. Post	LT	AFT
6	10-26-71	Delineator Hole & Washer Size	RH	AFT
5	10-5-70	Chg. Del. Screw from 3/4" to 1" Dia. Del. Screw from 3/4" to No. 8	JLA	AFT
4	5-10-70	Chg. Del. Screw from 1/8" to 3/16"	JLA	AFT
3	3-6-70	Deleted SF designation from screw	W	AFT
2	9-25-68	Added note for Galvanizing Fasteners	CMJ	AFT
1	5-26-65	Chg. Punching on Delin. Post (Top & Bot.)	W	AFT

KANSAS DEPARTMENT OF TRANSPORTATION

DESIGN AND ASSEMBLY DETAILS AND POSITIONING FOR DELINEATORS

SHEET NO. 4 OF 143	SCALE	APP'D	TRACED EV
DESIGNED EV	DETAILED EV	QUANTITIES	
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.