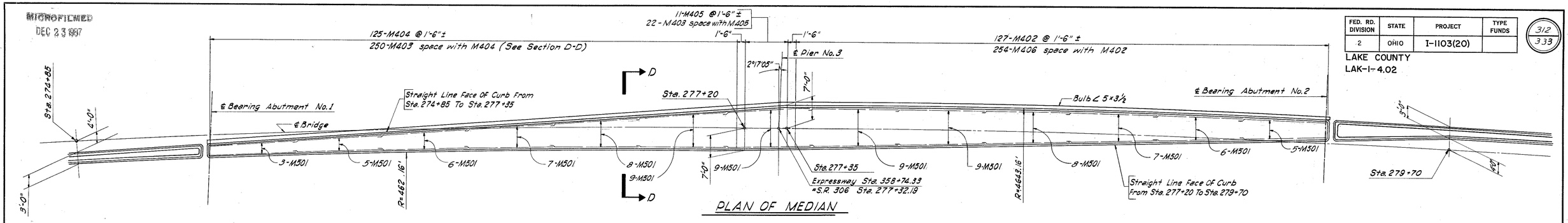
MICROFILMED
DEC 23 1997

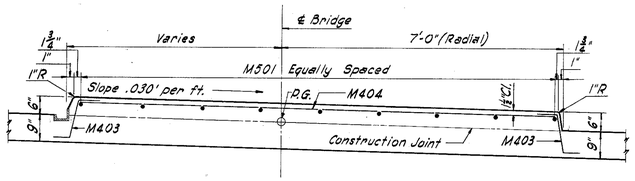
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103(20)	

312
333

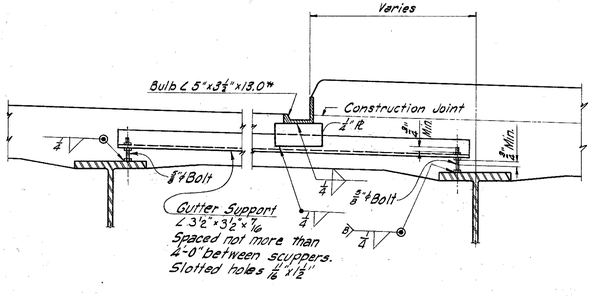
LAKE COUNTY
LAK-I-4.02



PLAN OF MEDIAN

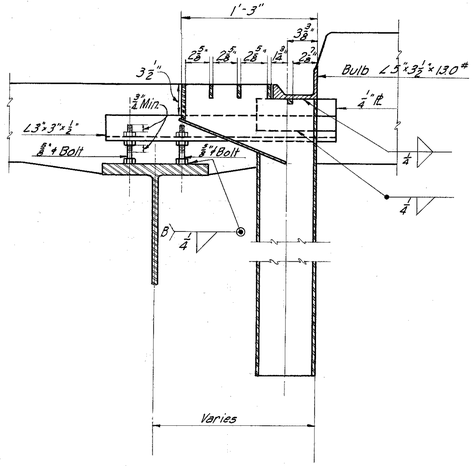


SECTION D-D



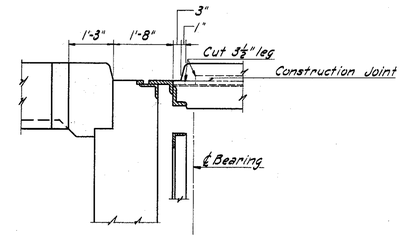
SPECIAL SUPPORT FOR MEDIAN GUTTER

To be used when Bulb ∠ gutter is outside the limits of the beam flange.

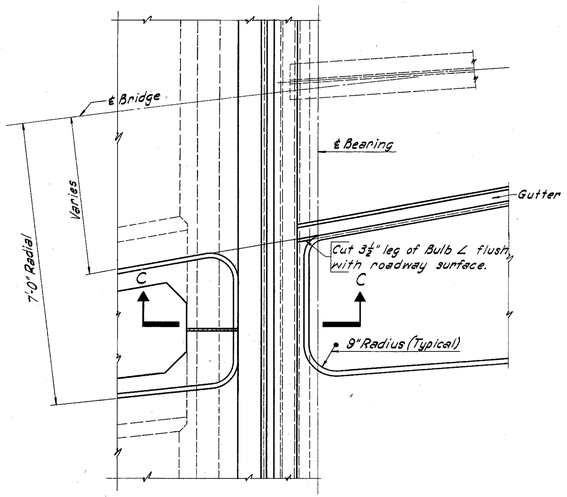


SECTION THRU SCUPPERS IN SPAN 6 ADJACENT TO MEDIAN

Note: Details and data not shown or noted to conform with Standard Drawing CSB-2-56. All other scuppers shall be Standard Scuppers.



SECTION C-C

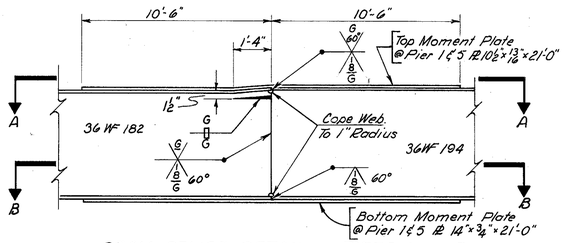


PART PLAN OF MEDIAN AT ABUT. NO. 1

Similar @ Abut. No. 2

BEAM SPLICE WELDING PROCEDURE

1. Raise end of beam at second pier 1 9/16".
2. Butt-weld beam flanges and web at first pier using the following sequence: make two passes on each flange, then two on the web; repeat using one pass at each location, until welds are completed.
3. Weld top and bottom flange moment plates at first pier.
4. Lower end of beam at second pier.
5. Make splice at second (and succeeding) piers in the same manner raising the end of the beams 1 1/16" at the piers and 9/16" at the abutment.

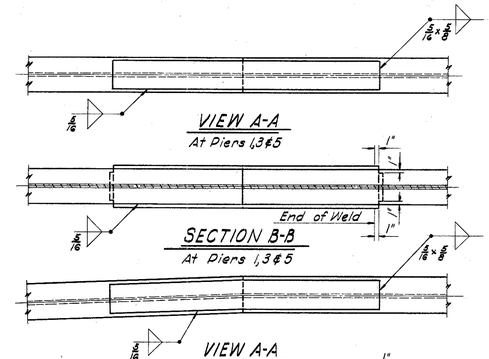


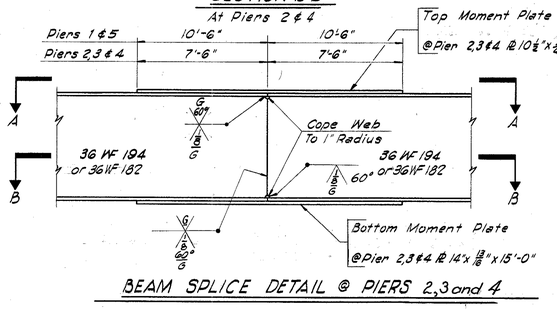
BEAM SPLICE DETAIL @ PIERS 1 and 5

(Deflections are calculated at ℄ of spans)

DEAD LOAD DEFLECTIONS												
LOCATION	OUTSIDE BEAMS SPAN NO.						INSIDE BEAMS SPAN NO.					
	1	2	3	4	5	6	1	2	3	4	5	6
Deflection due to weight of steel	1/16"	1/16"	1/16"	1/16"	1/16"	0"	1/16"	1/16"	1/16"	1/16"	1/16"	0"
Deflection due to remaining dead load	3/16"	1/4"	1/4"	1/4"	3/16"	1/8"	1/4"	1/4"	1/4"	1/4"	1/4"	1/8"
Total dead load deflection	1/4"	5/16"	5/16"	5/16"	1/4"	1/8"	5/16"	5/16"	5/16"	5/16"	5/16"	1/8"

Camber: No camber is required, but beams shall be fabricated with any natural camber or bowed side up.





BEAM SPLICE DETAIL @ PIERS 2,3 and 4

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

SUPERSTRUCTURE
MEDIAN AND DETAILS
BRIDGE NO. LAK-1-0665
UNDER STATE ROUTE 306

LAKE COUNTY STA. 358+74.33

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
C.P.J.	Y.G.	A.M. W.B.M	J.M.B.	W.R.B. 4-28-58	

K+E 106 IMPERIAL TRACING CLOTH 10 x 15 60449