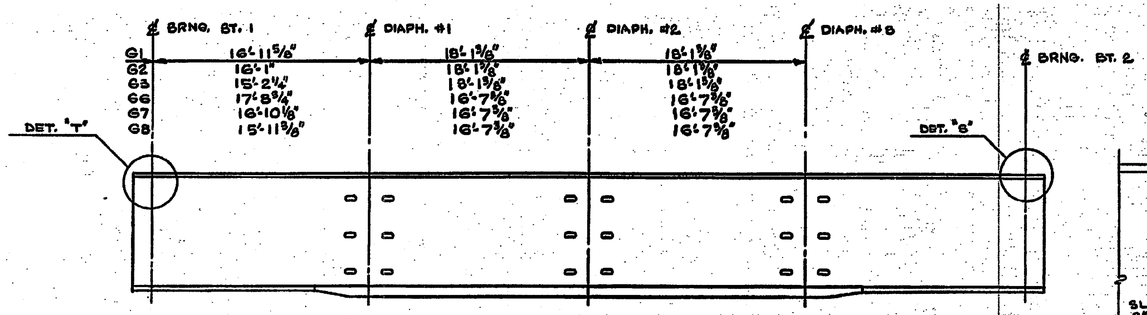
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	NHS-M001-00(167)	13	26

TABLE OF DEFLECTIONS IN INCHES

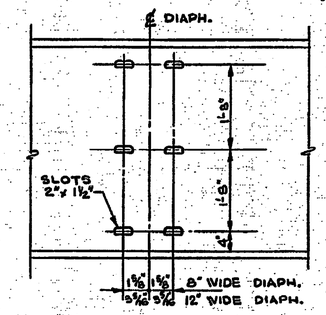
GIRDER	DEFLECTION DUE TO	SPAN 1			SPAN 2			SPAN 3		
		1/4 L	1/2 L	3/4 L	1/4 L	1/2 L	3/4 L	1/4 L	1/2 L	3/4 L
G1	GIRDER WEIGHT	0.130	0.181	0.130				0.068	0.095	0.068
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE	0.751	1.046	0.751				0.508	0.709	0.508
	TOTAL DEFLECTION	0.881	1.227	0.881				0.576	0.804	0.576
G1	GIRDER WEIGHT				0.402	0.562	0.402			
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE				1.191	1.662	1.191			
	TOTAL DEFLECTION				1.593	2.224	1.593			
G3 G6, & G7	GIRDER WEIGHT	0.130	0.181	0.130		9/16				
	SLAB MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE	0.948	1.322	0.948		2 9/16				
	TOTAL DEFLECTION	1.078	1.503	1.078		3 1/8				
G2 & G3	GIRDER WEIGHT							0.064	0.089	0.064
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE							0.587	0.820	0.587
	TOTAL DEFLECTION							0.651	0.909	0.651
G4	GIRDER WEIGHT							0.054	0.076	0.054
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE							0.363	0.508	0.363
	TOTAL DEFLECTION							0.417	0.584	0.417
G4 & G5 & G8	GIRDER WEIGHT	0.111	0.155	0.111		9/16				
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE	0.579	0.812	0.579		1 11/16				
	TOTAL DEFLECTION	0.690	0.967	0.690		2 1/4				
G8	GIRDER WEIGHT							0.042	0.058	0.042
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE ETC							0.362	0.499	0.362
	TOTAL DEFLECTION							0.404	0.557	0.404
G8	GIRDER WEIGHT	0.092	0.129	0.092						
	SLAB, MEDIAN BARRIER, DIAPHRAGMS, FUTURE PAVE ETC	0.535	0.750	0.535						
	TOTAL DEFLECTION	0.627	0.879	0.627						

STIFFENERS OMITTED TO CLEAR DIAPHS.

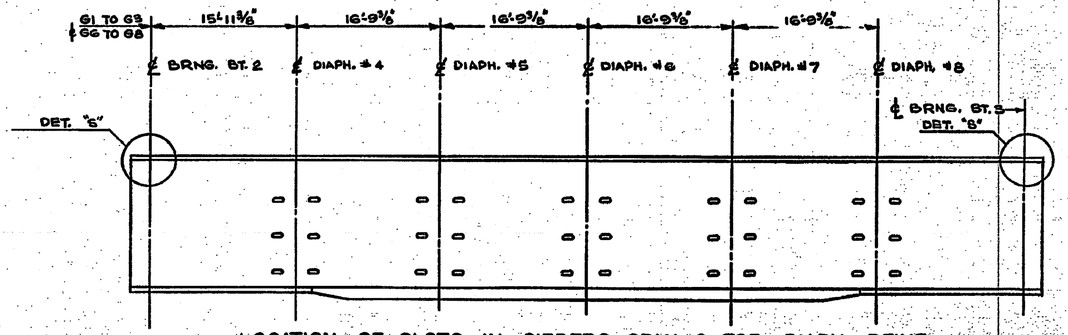
GIRDER	SPAN 1 STIFF. NO.	SPAN 2 STIFF. NO.	SPAN 3 STIFF. NO
G1	12, 17	6, 20	6, 10, 14
G2	17	6, 20	6
G3	17	6, 20	NONE
G4	5, 17	6, 20	NONE
G5	NONE	6, 20	9
G6	NONE	6, 20	13
G7	7, 12, 17	6, 20	13
G8	7, 12, 17	6, 20	NONE



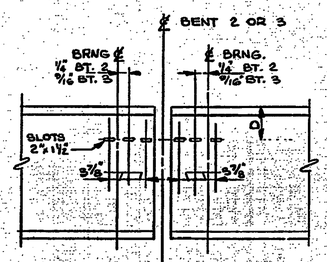
LOCATION OF SLOTS IN GIRDERS - SPAN 1 FOR DIAPH. REINF.



DETAIL OF SLOTS IN GIRDERS G1 TO G3 & G6 TO G8



LOCATION OF SLOTS IN GIRDERS - SPAN 2 FOR DIAPH. REINF.



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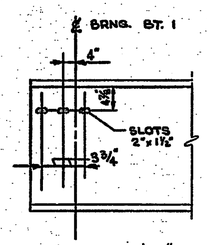

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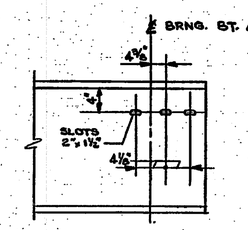
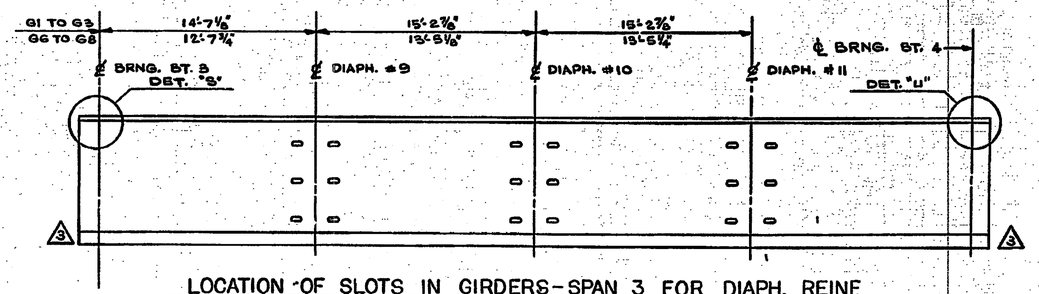


DETAIL "U"



LOCATION OF SLOTS IN GIRDERS - SPAN 3 FOR DIAPH. REINF.

BRIDGE NO. 4 & 5

SIMONS · EASTERN COMPANY
ATLANTA, GEORGIA

GEORGIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION - BRIDGE DESIGN

STRUCTURAL STEEL DETAILS - SHEET NO. 3
I-285 OVER S.R. 400
FULTON COUNTY I-FI-285-1(84)88a3
NO SCALE DATE: JAN., 1974

No.	REVISIONS	DATE
1	CHANGED PLATE SIZE	1-16-75

BRIDGE SHEET 9 OF 20
FILE 0203
SIMECO JOB NO. 73 / 1123
BRIDGE SHEET

DESIGNED VP TRACED REVIEWED