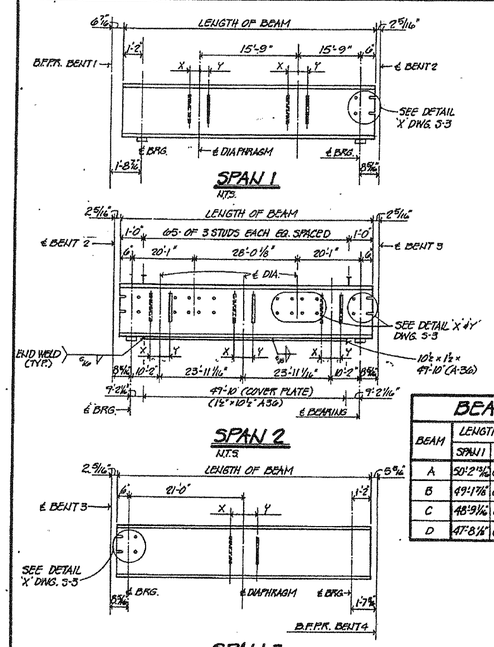
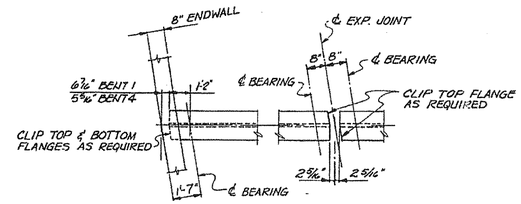
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA	CM-285-1(377)	170	258



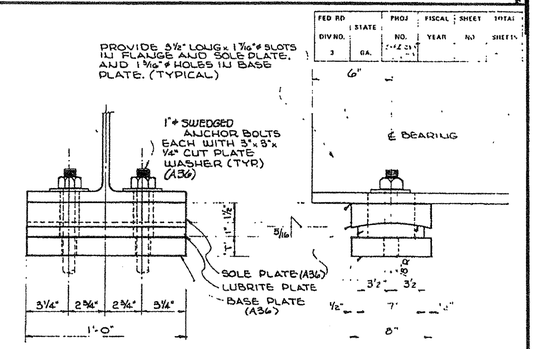
BEAM ELEVATIONS

N.T.S.



AT END BENT 1 OR 4 AT INTERIOR BENT 2 OR 3

PLAN AT END OF BEAM



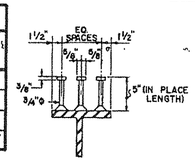
EXPANSION BEARINGS

3" = 1'-0"

FED. RD. DIV. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
3	GA.				

BEAM	LENGTH OF BEAM SPAN 1	SPAN 2	SPAN 3	X	Y
A	50'-2 3/16"	69'-2 3/16"	43'-9"	0'-9 3/8"	1'-2 1/4"
B	49'-11 7/16"	69'-2 3/16"	42'-11 7/16"	1'-2 1/4"	—
C	48'-9 11/16"	69'-2 3/16"	42'-4 7/16"	—	1'-2 1/4"
D	47'-8 1/16"	69'-2 3/16"	41'-8 1/16"	1'-2 1/4"	0'-9 3/8"

BEAM DIMENSIONS



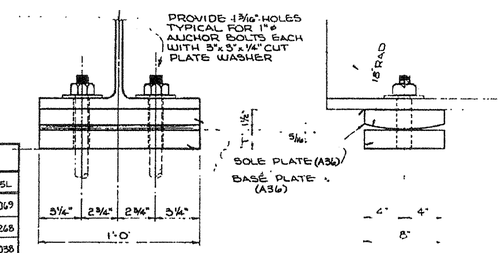
SHEAR STUD CONNECTOR DETAIL

SHEAR STUD CONNECTOR SHALL BE FULLY BUTT WELDED TO TOP FLANGE OF BEAM. FOR SHEAR STUD SPACING SEE BEAM ELEVATIONS.

SPAN	BEAM #	ITEM	.05L	.1L	.15L	.2L	.25L	.3L	.35L	.4L	.45L	.5L
SPAN # 1	ALL BEAMS	D.L. BEAMS + DIAPHRAGM ONLY	.011	.022	.032	.041	.049	.056	.061	.065	.068	.069
SPAN # 2	ALL BEAMS		.044	.086	.125	.161	.192	.219	.240	.255	.265	.268
SPAN # 3	ALL BEAMS		.006	.012	.018	.023	.027	.031	.034	.036	.038	.038
SPAN # 1	ALL BEAMS	D.L. SLAB & HAUNCHES ONLY	.082	.162	.237	.306	.367	.419	.460	.491	.509	.515
SPAN # 2	ALL BEAMS		.233	.457	.653	.849	1.014	1.154	1.266	1.348	1.398	1.414
SPAN # 3	ALL BEAMS		.060	.118	.173	.224	.269	.305	.337	.359	.372	.377

D.L. DEFLECTIONS (INCHES)

L = ℄ BEARING TO ℄ BEARING DISTANCE

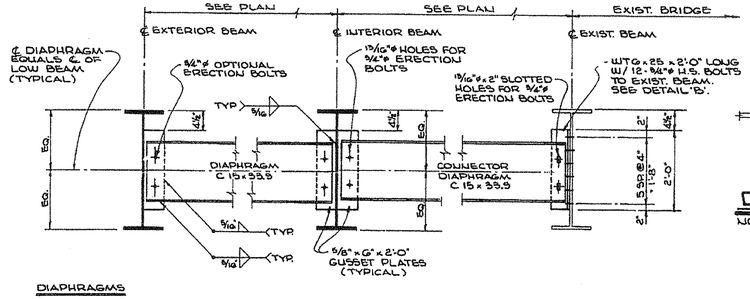


FIXED BEARINGS

3" = 1'-0"

BEAM	BENT 1	BENT 2 BACK	BENT 2 AHEAD	BENT 3 BACK	BENT 3 AHEAD	BENT 4
A	2"	1 1/2"	2"	2 1/16"	2 1/16"	2
B	2"	1 1/2"	2"	2 1/2"	1 1/2"	2
C	2"	1 1/2"	2	2 1/2"	1 1/2"	2
D	2"	1 1/2"	2"	2 1/2"	1 1/2"	2

'T' THICKNESS SCHEDULE

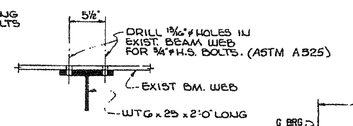


DIAPHRAGMS

WELD DIAPHRAGMS BEFORE POURING SLAB (TYPICAL)

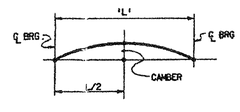
TYPICAL DIAPHRAGM DETAILS

3/4" = 1'-0" (A36)



DETAIL 'B'

NO SCALE



CAMBER DIAGRAM

CONNECTOR DIAPHRAGMS

1. ERECT CONNECTOR DIAPHRAGMS BEFORE DECK IS POURED, BUT MAINTAINING ERECTION BOLTS LOOSE
2. WELD CONNECTOR DIAPHRAGMS AFTER POUR STRIP IS POURED.

BY	REVISIONS	DATE
D.L.G.	GENERAL REVISIONS	5-15-01

BRIDGE NO 4L AND NO 4R

LEE WAN ASSOCIATES, INC. Architects / Engineers Surveyors

MISCELLANEOUS DETAILS

FULTON COUNTY

PROJECT NUMBER FEDERAL AID PROJECT (377)

DESIGNED DRAWN CHECKED SCALE DATE

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