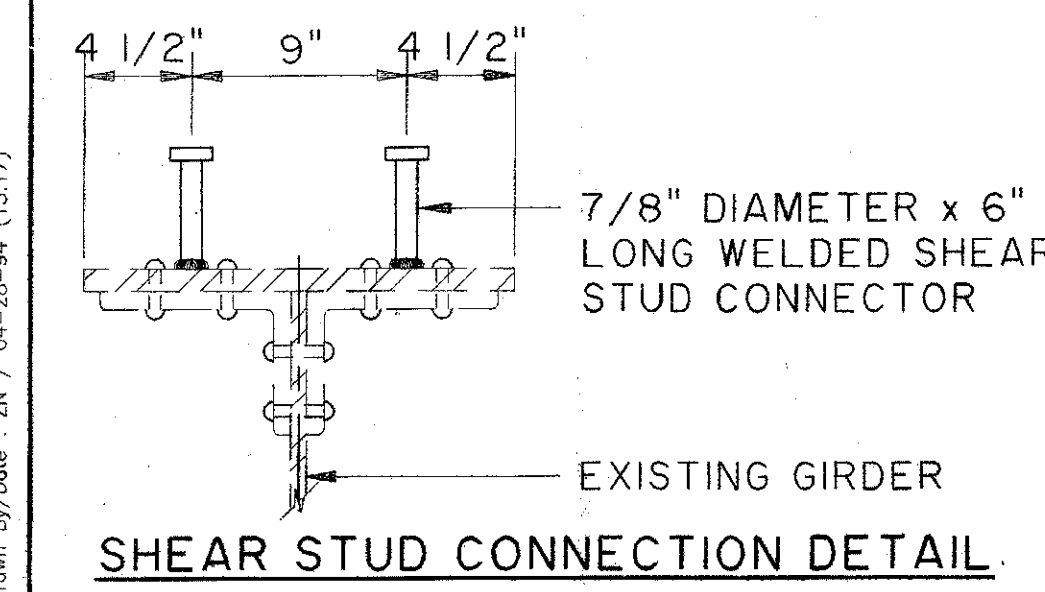


FRAMING PLAN

	EXISTING COVER PLATE 3/8" x 18" TOP AND BOTTOM		EXISTING COVER PLATE 1/2" x 18" TOP AND BOTTOM		EXISTING COVER PLATE 3/8" x 18" TOP AND BOTTOM					
GIRDER A	24'-8 1/8"	18'-3"	24'-6 3/4"	26'-6"	19'-7"	20'-10 7/8"				
GIRDER B	24'-11 1/8"	18'-6"	24'-8"	26'-6"	19'-10 1/8"	21'-0 7/8"				
GIRDER C	25'-2 1/8"	18'-9"	24'-9 1/2"	26'-9"	19'-11 1/8"	21'-4 3/8"				
GIRDER D	25'-5 1/8"	18'-9"	25'-1 3/4"	26'-9"	20'-2 3/4"	21'-5 1/8"				
GIRDER E	25'-8 1/8"	19'-0"	25'-3 1/8"	27'-0 1/8"	20'-3"	21'-7 3/8"				
STUD SHEAR CONNECTOR SPACINGS	34 SPACES @ 10" = 28'-4"	37 SPACES @ 6" = 18'-6"	5 SPACES @ 6" = 2'-6"	5 SPACES @ 6" = 2'-6"	34 SPACES @ 10" = 28'-4"	35 SPACES @ 12" = 35'-0"	5 SPACES @ 6" = 2'-6"			
	NO STUDS	NO STUDS	NO STUDS	NO STUDS	NO STUDS	NO STUDS	NO STUDS			
GIRDER A	44'-1 5/8"	27'-4 1/2"	21'-3 1/8"	70'-7 3/4"	27'-4 7/8"	29'-5 3/4"	62'-8 5/8"	22'-2 5/8"	23'-7 5/8"	56'-6 1/4"
GIRDER B	44'-3 5/8"	27'-5 1/2"	21'-4"	70'-10 1/2"	27'-5 1/2"	29'-7"	62'-10"	22'-3 1/8"	23'-8"	56'-7 7/8"
GIRDER C	44'-5 5/8"	27'-6 1/2"	21'-4 5/8"	71'-1 3/8"	27'-6 1/2"	29'-8"	63'-0 3/8"	22'-3 3/4"	23'-8 7/8"	56'-9 1/8"
GIRDER D	44'-7 5/8"	27'-7 1/2"	21'-5 1/2"	71'-4"	27'-7 1/4"	29'-8 7/8"	63'-2 3/8"	22'-4 1/2"	23'-9 3/4"	56'-10 3/8"
GIRDER E	44'-9 7/8"	27'-8 1/4"	21'-6"	71'-6"	27'-9 1/8"	29'-9 7/8"	63'-4 3/8"	22'-4 7/8"	23'-10 3/8"	57'-0"
TOP FLANGE STRESS ZONE	COMPRESSION	TENSION	TENSION	COMPRESSION	TENSION	TENSION	COMPRESSION	TENSION	TENSION	COMPRESSION
		24'-0"	24'-0"		27'-0"	27'-0"		23'-0"	23'-0"	
		10'-0"	10'-0"		14'-0"	14'-0"		10'-0"	10'-0"	
				EXISTING COVER PLATE 3/8" x 18" TOP AND BOTTOM			EXISTING COVER PLATE 3/8" x 18" TOP AND BOTTOM			EXISTING COVER PLATE 3/8" x 18" TOP AND BOTTOM
				EXISTING WEB PLATE 3/8" x 55 (TYPICAL)			EXISTING B/B L'S 8x6x3/4" (TYPICAL)			
	EXISTING R-100 ROCKER	EXISTING SHOP SPLICE	EXISTING FIELD SPLICE	EXISTING FIELD SPLICE	EXISTING FIELD SPLICE	EXISTING FIELD SPLICE	EXISTING FIELD SPLICE	EXISTING FIELD SPLICE	EXISTING SHOP SPLICE	EXISTING R-100 ROCKER
GIRDER A	SPAN 1 = 71'-6 1/8"±			SPAN 2 = 119'-3 3/4"±			SPAN 3 = 114'-5"±			SPAN 4 = 80'-1 7/8"±
GIRDER B	SPAN 1 = 71'-9 1/8"±			SPAN 2 = 119'-8"±			SPAN 3 = 114'-8 1/8"±			SPAN 4 = 80'-3 7/8"±
GIRDER C	SPAN 1 = 72'-0 1/8"±			SPAN 2 = 120'-0 1/2"±			SPAN 3 = 115'-0 1/8"±			SPAN 4 = 80'-6"±
GIRDER D	SPAN 1 = 72'-3 1/8"±			SPAN 2 = 120'-4 3/4"±			SPAN 3 = 115'-3 3/4"±			SPAN 4 = 80'-8 1/8"±
GIRDER E	SPAN 1 = 72'-6 1/8"±			SPAN 2 = 120'-9 1/8"±			SPAN 3 = 115'-7 1/8"±			SPAN 4 = 80'-10 3/8"±

GIRDER ELEVATION



- NOTES
- FOR PHASED CONSTRUCTION REQUIREMENTS, SEE SHEET 18/52 AND ROADWAY DRAWINGS.
  - FOR DETAILS OF END CROSSFRAMES AND NEW EXPANSION JOINTS, SEE SHEET 17/52.
  - MINOR STUD SPACING ADJUSTMENTS MAY BE NECESSARY, AS DIRECTED BY THE ENGINEER, TO GUARANTEE A ONE (1) INCH MINIMUM CLEARANCE FROM ANY RIVET HEAD.

- WELDED ATTACHMENT OF SUPPORTS FOR CONCRETE DECK FINISHING MACHINE MAY BE MADE TO AREAS OF THE STRINGER FLANGES DESIGNATED "COMPRESSION". ATTACHMENTS SHALL NOT BE MADE TO AREAS DESIGNATED "TENSION". FILLET WELDS TO THE COMPRESSION FLANGES SHALL BE NOT CLOSER THAN 1" FROM EDGE OF FLANGE, BE NOT MORE THAN 2" LONG, AND BE NOT SMALLER THAN THE MINIMUM SIZE REQUIRED BY AASHTO REQUIREMENTS.
- GIRDER TOP FLANGE INCLUDING COVER PLATES AND STUD SHEAR CONNECTORS SHALL BE

- PAINTED PRIOR TO DECK CONCRETE PLACEMENT.
- REMNANTS OF WELDS TO EXISTING STEEL SUPERSTRUCTURE RESULTING FROM THE REMOVAL OF SCUPPERS ETC. SHALL BE GROUND SMOOTH.

THE OSBORN ENGINEERING COMPANY 14/52  
CONSULTING ENGINEERS  
CLEVELAND, OHIO 44114

FRAMING PLAN  
BRIDGE NO. LAK-90-1742  
S.R. 86 OVER I-90

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	OHIO
LYH	BFG		JRS	GA	2/94	REVISED

File name: K:\QA\1\0001\09186\STRUCT\01855788  
 Drawn By: Date: 2/94 (13:17)

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