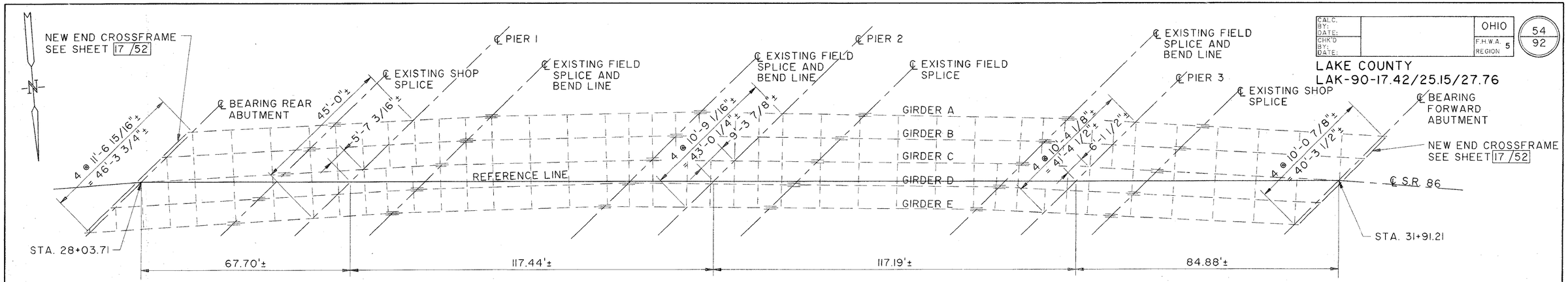
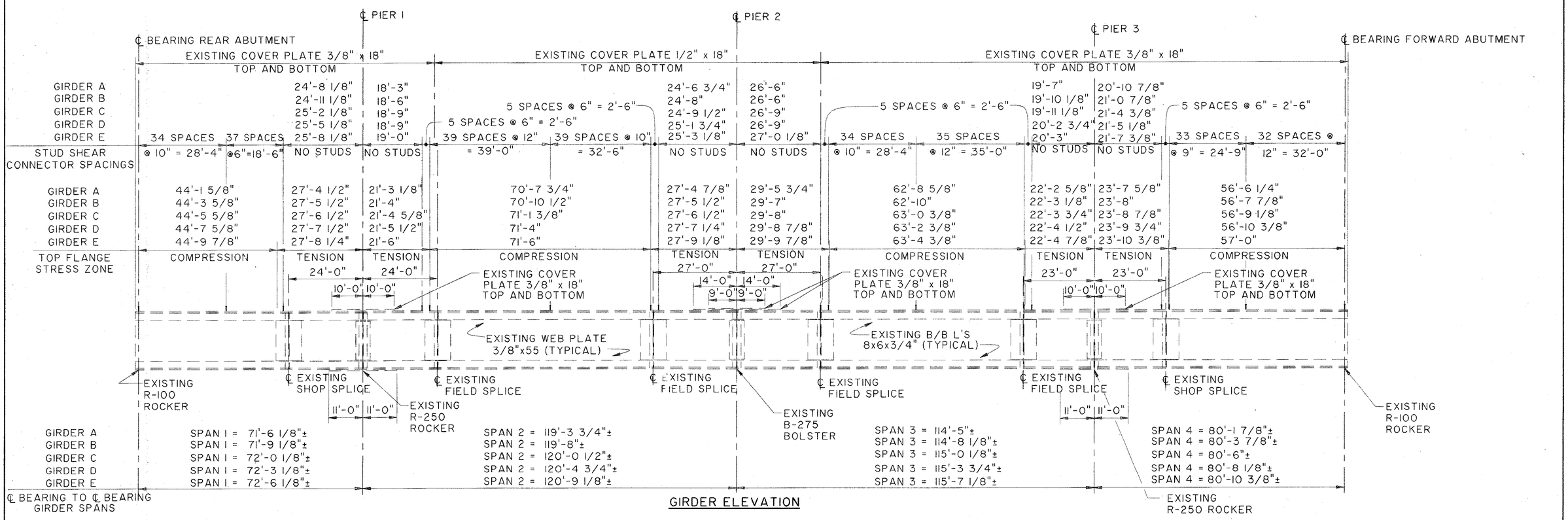
CALC. BY:		OHIO	54 / 92
DATE:		F.H.W.A. REGION 5	
CHK'D BY:			
DATE:			

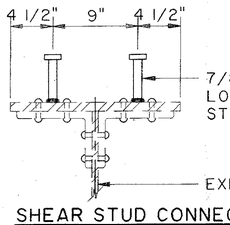
LAKE COUNTY
LAK-90-17.42/25.15/27.76



FRAMING PLAN



GIRDER ELEVATION



SHEAR STUD CONNECTION DETAIL

NOTES

1. FOR PHASED CONSTRUCTION REQUIREMENTS, SEE SHEET 18 /52 AND ROADWAY DRAWINGS.
2. FOR DETAILS OF END CROSSFRAMES AND NEW EXPANSION JOINTS, SEE SHEET 17 /52.
3. MINOR STUD SPACING ADJUSTMENTS MAY BE NECESSARY, AS DIRECTED BY THE ENGINEER, TO GUARANTEE A ONE (1) INCH MINIMUM CLEARANCE FROM ANY RIVET HEAD.
4. 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.
5. GIRDER TOP FLANGE INCLUDING COVER PLATES AND STUD SHEAR CONNECTORS SHALL BE PAINTED PRIOR TO DECK CONCRETE PLACEMENT.
6. 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

LAKE COUNTY OHIO

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

S.R. 86

Filename = N:\ADL1\0007\0185\STRUCT\01855T68
Plot Scale = 1.4
Drawn By/Date = ZN / 04-28-94 (13:17)