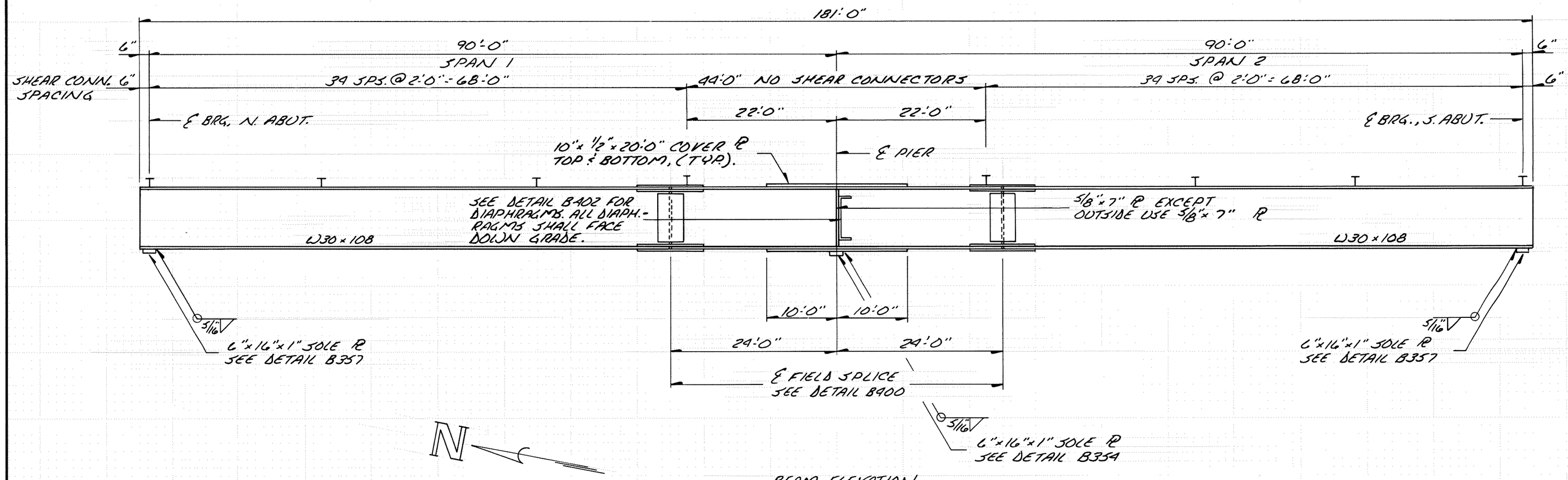
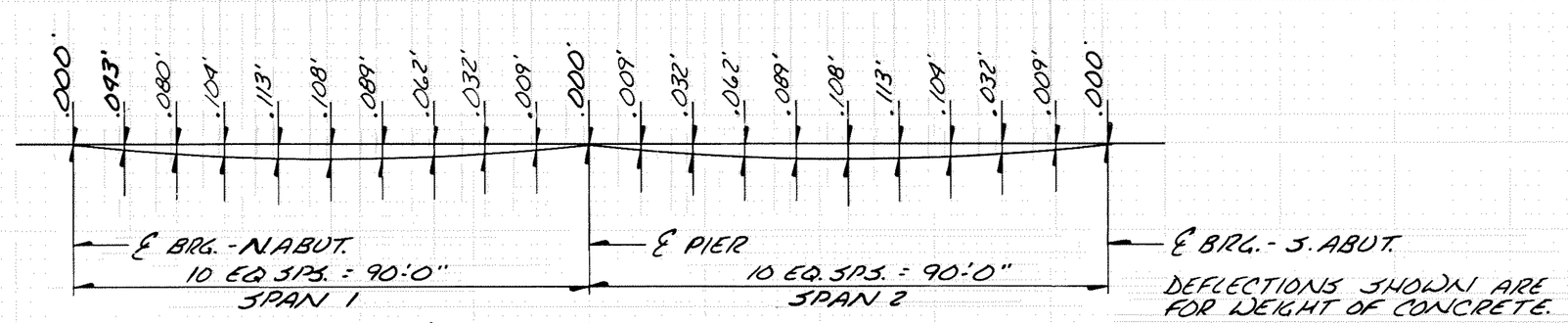


BEAM ELEVATION

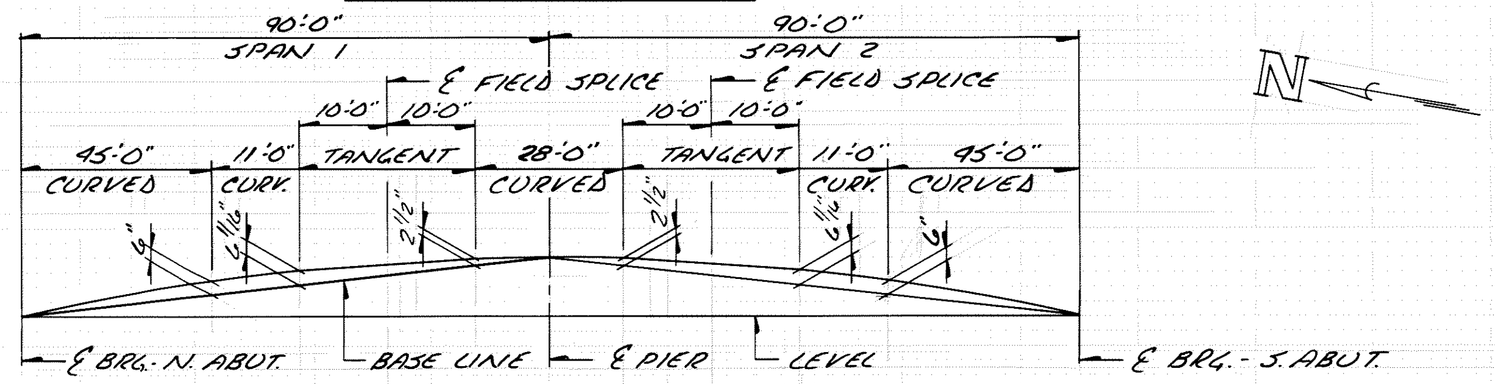
BILL OF REINFORCEMENT ~ SUPERSTRUCTURE				
BAR	NO.	LENGTH	SHAPE	LOCATION
3401	183	9'-2"	STR.	SLAB ~ TRANSVERSE
3402	183	8'-8"	"	" "
(1) 3403	85	35'-0"	"	" ~ CONGIT.
(2) 3404	17	15'-0"	"	" " @ ENDS
3405	14	13'-6"	"	" " OVER PIER
3406	14	40'-0"	"	" " " "
(3) 3407	12	9'-6"	"	END DIAPHRAGM
3408	6	5'-1"	"	" "
3409	12	1'-10"	"	" "
3410	8	9'-6"	BENT	" "
3411	6	9'-10"	"	" "
3412	6	4'-10"	"	" "

(1) 3 LINES, 1'-6" MIN. LAP
(2) 1'-6" MIN. LAP
(3) SEE SHEET 12.

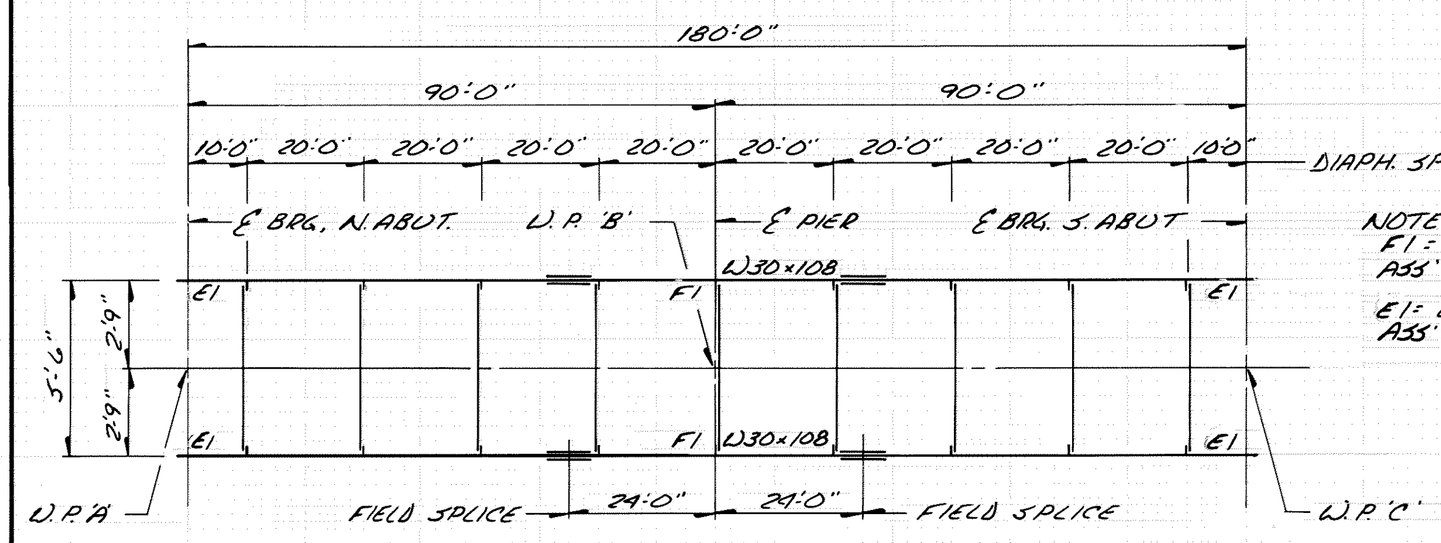


DEFLECTIONS SHOWN ARE FOR WEIGHT OF CONCRETE.

DEFLECTION DIAGRAM



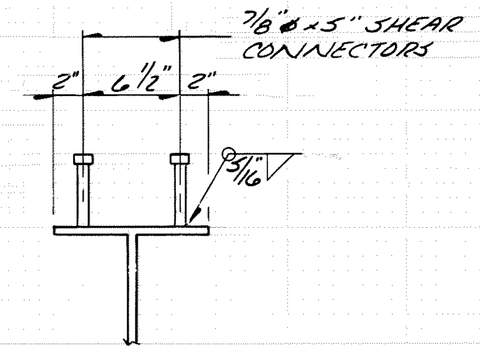
CAMBER DIAGRAM



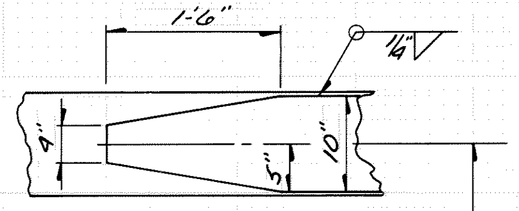
FRAMING PLAN
NO SCALE

NOTE:
F1 = FIXED CURVED PLATE BRG. ASS'Y. TYPE I. SEE DET. B354.

E1 = EXPANSION CURVED PLATE BRG. ASS'Y. TYPE I. SEE DET. B357.



SHEAR CONNECTION DETAIL



COVER PLATE DETAIL

STRUCTURAL STEEL NOTES

ALL STRUCTURAL STEEL SHALL CONFORM TO SPEC. 3309 UNLESS OTHERWISE NOTED.

FIELD CONNECTIONS SHALL BE MADE WITH ⅞" HIGH STRENGTH BOLTS OR 7/8" PIN BOLTS.

SHEAR CONNECTORS TO BE INCLUDED IN WEIGHT OF STRUCTURAL STEEL SPEC. 3309.

BEARING STIFFENERS SHALL BE VERTICAL.

SPECIAL REAMING AS PER SPEC. 2471.3E1d WILL BE REQ'D FOR THE BEAM SPLICES. THE SECTION TO BE ASSEMBLED FOR REAMING SHALL BE FROM ABUT. TO ABUT.

END OF BEAMS SHALL BE VERTICAL.

SPLICES AND INTERMEDIATE STIFFENERS MAY BE PERPINDICULAR TO FLANGE.

(4) SUMMARY OF QUANTITIES ~ SUPER.	
(5) PEDESTRIAN BRIDGE SLAB CONC. (3446)	1734 SQ. FT.
(6) STRUCTURE CONCRETE (3343)	3 CU. YD.
REINFORCEMENT BARS	3060 POUNDS
STRUCTURAL STEEL (3309)	45,690 POUNDS
CHAIN LINK ENCLOSURE	183 LIN. FT.
(7) (8) 3-PLY JOINT WATERPROOFING	35 LIN. FT.
(9) (8) PREFORMED JOINT FILLER (SEE LIST)	
(10) FIXED CURVED PLATE BEARING ASS'Y.	2 EACH
(10) EXPANSION CURVED PLATE BEARING ASS'Y	4 EACH
BEARING ASSEMBLY	6 EACH

(4) INCLUDES END DIAPHRAGM QUANTITIES.
(5) APPROX. 32 CU. YDS., BASED ON 1" STOOL HEIGHT.
(6) END DIAPHRAGM CONCRETE.

(8) INCLUDED IN PAYMENT FOR OTHER ITEMS.
(9) SEE SPECIAL PROVISIONS.
(10) INCLUDED IN PAYMENT FOR BEARING ASSEMBLY, SEE SPECIAL PROVISIONS.

LIST OF PREFORMED JOINT FILLER			
TYPE	NO.	SIZE	LOCATION
CORK	4	1"x 18"x 3'-7"	ABUTMENT WINGS
BIT. FELT	2	½"x 9"x 10'-5"	SHEAR BLOCK
POLYSTYRENE	2	1"x 1'-8"x 10'-0"	ABUTMENT BR. SEAT
"	4	2"x 7"x 14"	ABUT. BRG.
"	8	1"x 7"x 8"	" "

MINNESOTA DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 02555

SUPERSTRUCTURE & STRUCTURAL STEEL DETAILS

APPROVED "

C.P. 85-05-116	02555	AM
SHEET 6 OF 17 SHEETS		RRT