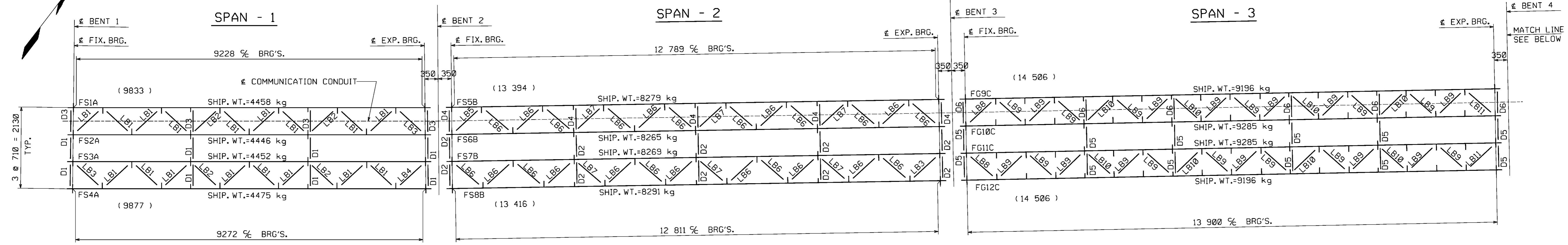


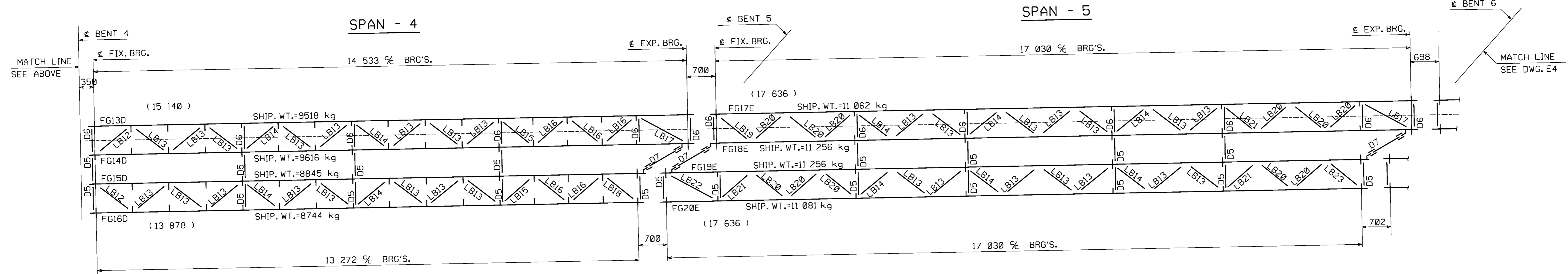
METRIC

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL WEIGHTS ARE IN KILOGRAMS.

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.
3	PA	



ERECTION FRAMING PLAN



ERECTOR NOTE: ALL BOLTS MUST BE LOCATED IN ACCORDANCE WITH THIS LIST OF FIELD CONNECTIONS. HIGH STEEL STRUCTURES WILL NOT BE RESPONSIBLE FOR FURNISHING ADDITIONAL BOLTS OR FOR ANY OTHER RELATED COSTS OR DAMAGES RESULTING FROM IMPROPER LOCATION OF BOLTS.

LIST OF FIELD CONNECTIONS

LINE	ACTUAL NO.	REDUCED DIAM.	BOLT DIAM.	BOLT LENGTH	BOLTS /CONN.	* OF CONNS.	GRIP	THICKNESS OF PCS. CONNECTED			PIECES CONNECTED AND REMARKS
1	168		3/8"	3	14	12	1 1/8"	14	13	14	2 CONN. RS TO SKEWED DIAPHRAGMS
2			3/8"	3	14	12	1 1/8"	14	14	14	SKEWED DIAPHRAGMS TO BENT CONN. R
3	168		3/8"	3	14	12	1 1/8"	14	14	14	SKEWED DIAPHRAGMS TO BENT CONN. R
4			3/8"	2 1/2	14	108	1 1/8"	13	22		DIAPHRAGMS TO BRG. STIFF.
5	1512		3/8"	2 1/2	14	108	1 1/8"	13	22		DIAPHRAGMS TO BRG. STIFF.
6			3/8"	2 1/2	14	204	1 1/8"	13	14		INTER. DIAPHRAGMS TO CONN. R
7	2856		3/8"	2 1/2	14	204	1 1/8"	13	14		INTER. DIAPHRAGMS TO CONN. R
8			3/8"	2 1/2	3	652	1 1/8"	13	14		LATERAL BRACE TO GUS. R
9	1956		3/8"	2 1/2	3	652	1 1/8"	13	14		LATERAL BRACE TO GUS. R
10			3/8"	4 1/4	16	96	2 1/8"	35	39.6		LOWER CROSS GIRDER TO CAP BEAMS.
11	1536		3/8"	4 1/4	16	96	2 1/8"	35	39.6		LOWER CROSS GIRDER TO CAP BEAMS.
12			3/8"	4	16	60	2 3/8"	35	35		UPPER CROSS GIRDER TO LOWER CROSS GIRDER.
13	960		3/8"	4	16	60	2 3/8"	35	35		UPPER CROSS GIRDER TO LOWER CROSS GIRDER.
14											
15											
16											
17											
18											
19											

FIELD BOLT SUMMARY

(5% ADDITIONAL BOLTS ADDED + 10 EA. FOR TESTING)
 ASTM A325 TYPE 1 BOLTS WITH HVY. HEX HEAD AND
 ASTM A563 GRADE DH HVY. HEX NUT

MECH. GALV. ASTM B695 CLASS 50

(RCT)

5063 - 7/8" HIGH STRENGTH BOLTS x 0'-2 1/2"
 1598 - 7/8" HIGH STRENGTH BOLTS x 0'-2 3/4"
 363 - 7/8" HIGH STRENGTH BOLTS x 0'-3"

1018 - 7/8" HIGH STRENGTH BOLTS x 0'-4"
 1623 - 7/8" HIGH STRENGTH BOLTS x 0'-4 1/4"

9665 - HARD. FLAT F436 WASHERS FOR 3/8" H.S. BOLTS (RCT)

NOTES:

NO CREDIT WILL BE ALLOWED FOR WORK PERFORMED BY OTHERS IN REPLACING OR CORRECTING MATERIALS OR WORKMANSHIP COVERED BY THIS DRAWING UNLESS EXPRESSLY AUTHORIZED BY HIGH STEEL STRUCTURES, INC.

ALL FIELD CONNECTIONS TO BE MADE WITH 7/8" HIGH STRENGTH (A325, TYPE 1) (MECH. GALV.) (RCT) BOLTS (U.N.).

ALL DIMENSIONS ARE GIVEN HORIZONTALLY (U.N.). DIMENSIONS GIVEN THUS: (9833) ARE THE SHIPPING LENGTHS OUT TO OUT OF FASCIA GIRDERS.

HIGH STEEL STRUCTURES, INC. DOES NOT SUPPLY ROD HANGERS OR UTILITY HARDWARE.

FOR BEARING ASSEMBLIES, SEE DRAWING E1, E2 AND E101.

WORK THIS DRAWING WITH DRAWING E4.

NOTICE: WEIGHTS OF MEMBERS LISTED ON THESE DRAWINGS ARE ESTIMATED WEIGHTS AND ACTUAL WEIGHTS WILL VARY. HIGH STEEL STRUCTURES, INC. WILL NOT BE RESPONSIBLE FOR ANY ERECTION PROCEDURES, SHIPPING PROCEDURES, ETC. DEVELOPED USING ESTIMATED WEIGHTS AS SHOWN.

(RCT) INDICATES ROTATIONAL CAPACITY TESTED BOLTS. DO NOT MIX NUTS, BOLTS AND WASHERS FROM DIFFERENT CONTAINERS UNLESS ALL NUTS, BOLTS AND WASHERS HAVE THE SAME LOT NUMBER.

ANCHOR BOLTS MUST BE SET BEFORE DIAPHRAGMS AT END BEARINGS ARE ERECTED. BOLT LENGTHS ARE GIVEN IN INCHES. SHIPPING MARKS PREFIXED F INDICATE FRACTURE CRITICAL.

REMOVE OVERSIZE HOLE NOTE.	APPR. CHNG.	JTC	3-2-05
NO.	REVISION	BY	DATE

HIGH STEEL STRUCTURES, INC.
 1770 Hempstead Road
 Lancaster, PA 17605-0008
 Phone 717/299-5211
 A Division of High Industries, Inc.

ERECTION FRAMING PLAN
 N.S. RAILWAY TEMP. TRESTLE BRIDGE OVER S.R. 0309
 N.S. RAILWAY TEMP. TRESTLE BRIDGE STA. 8 + 671.276
 MONTGOMERY COUNTY, PA
 COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION

STATE CONTRACT OR REF. NO. S-25417 ECMS NO. 64275
 CONTRACTOR NYLEVE BRIDGE CORPORATION
 IN CHARGE: COLONIAL(WRC) MADE BY: RAS CHK'D BY: JTC DATE: 12-9-04
 CONTRACT NUMBER: PA-04091-1 DRAWING NUMBER: E3 OF E4

PLOTTED: 03/23/05 03:53:46 PM
 BY: c:n11