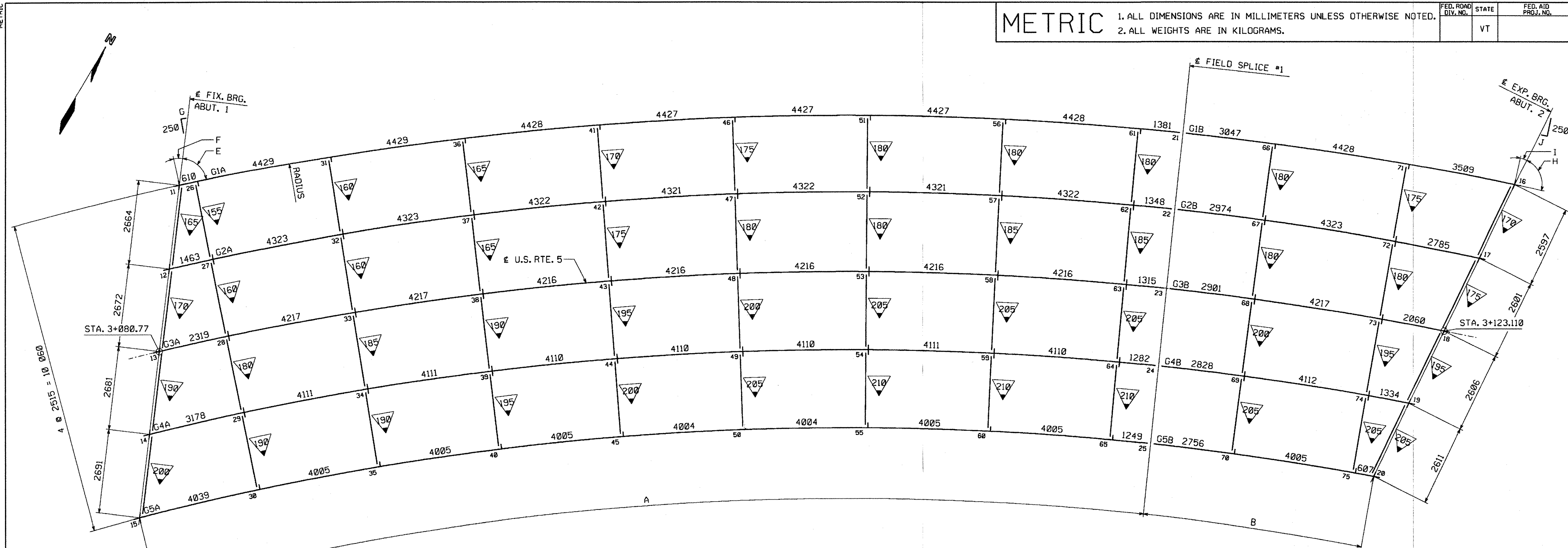
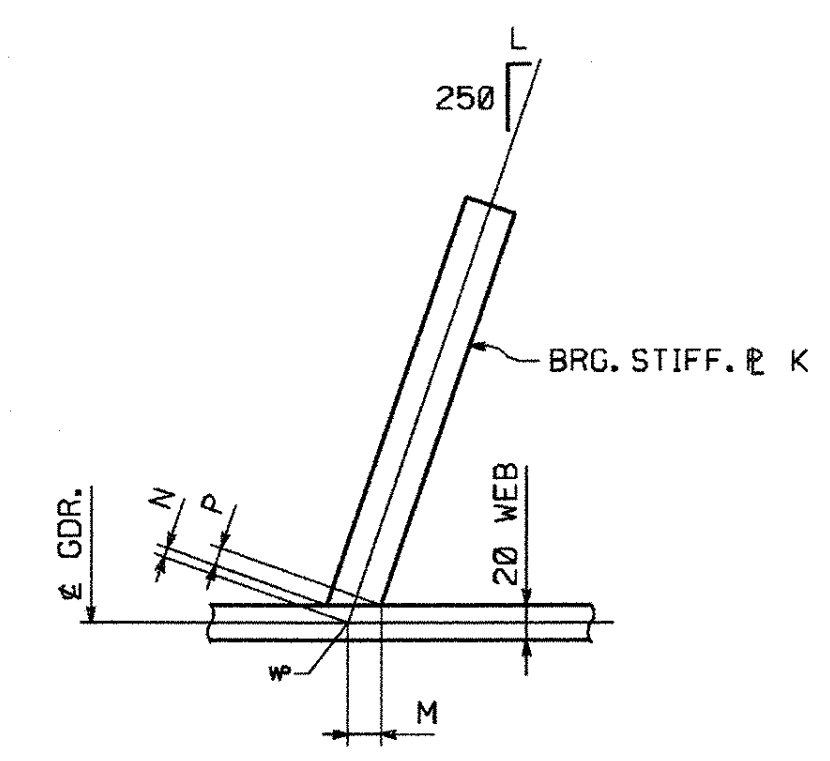


METRIC 1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. ALL WEIGHTS ARE IN KILOGRAMS.

FED. ROAD DIV. NO. STATE VT FED. AID PROJ. NO.



CALCULATION PLAN



SKEWED BRG. STIFF. LAYOUT

PT. NO.	K	L	M	N	P
11	32 x 290	86	22	5	12
12	32 x 290	88	22	5	12
13	25 x 215	91	17	6	9
14	22 x 190	94	16	6	8
15	22 x 190	97	16	6	8
16	32 x 290	64	21	6	9
17	32 x 290	65	21	6	9
18	25 x 215	67	16	7	7
19	22 x 190	69	14	7	6
20	22 x 190	71	14	7	6

NOTES:

- DIMENSIONS ON PLAN ALONG GIRDERS ARE GIVEN TO THE CHORD AT THE BOTTOM OF WEB IN FULLY CAMBERED POSITION. ALL OTHER DIMENSIONS ARE GIVEN HORIZONTALLY.
- DIMENSIONS PLACED ON THE GIRDER LINES REPRESENT CROSSFRAME SPACING.
- FIGURES GIVEN THUS: ∇ ARE THE GRADES OF THE GIRDERS AT THE BEARINGS IN FINAL POSITION; ARROW POINTS DOWNGRADE.
- ALL STIFFENER AND CONNECTION PLATE SPACINGS ARE GIVEN TO ϵ PLATE. ENDS OF GIRDERS AND ALL BEARING STIFFENERS TO BE VERTICAL IN FINAL POSITION.
- ALL STEEL TO BE AASHTO M270M GR. 345W (U.N.).
- IN UNPAINTED AREAS ALL FIELD CONNECTIONS TO BE MADE WITH $\frac{7}{8}$ " H.S. (A325 TYPE 3) BOLTS.
- IN PAINTED AREAS ALL FIELD CONNECTIONS TO BE MADE WITH $\frac{7}{8}$ " H.S. (A325 TYPE 1) BOLTS (MECH. GALV. TO ASTM B695 CLASS 50).
- FIGURES GIVEN THUS: ∇ ARE THE DIFFERENCES IN ELEVATIONS OF GIRDERS (IN THE PLANE OF THE CROSSFRAME IN ERECTED POSITION) AT CROSSFRAMES; ARROW POINTS TOWARD LOW GIRDER.
- FOR TYPICAL DETAIL LAYOUTS, SEE DRAWINGS PREFIXED 'TD'.
- ALL STATIONS ARE GIVEN IN METERS.

NOTE: THE PURPOSE OF THIS DRAWING IS TO COORDINATE GEOMETRIC CONTROL INFORMATION. THIS DRAWING IS SUBMITTED FOR INFORMATION ONLY AND IS NOT INTENDED FOR SHOP FABRICATION. THIS DRAWING IS FOR REFERENCE ONLY, APPROVAL IS NOT REQUIRED.

Reviewed Rejected
Furnish as Corrected
Revise and Resubmit
Submit Specified Item

This review is only for general conformance with the design concept and the information given in the Construction Documents. Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with the requirements of the plans and specifications. Review of a specific item shall not include review of an assembly of which the item is a component. The Contractor is responsible for dimensions to be confirmed and controlled at the jobsite. Information that pertains solely to the fabrication process or to the means, methods, techniques, sequences and procedures of construction; coordination of the Work with that of all other trades and performing all work in a safe and satisfactory manner.

McFarland-Johnson, Inc.
Date: 4/11/05
By: G.W.

VTrans RECEIVED
CK'D BY: JWC D.W.D. BY: _____

JUN 03 2005
RESUBMIT _____ APPROVED _____
BY _____ DATE _____

NO.	REVISION	BY	DATE

1770 Hempstead Road
Lancaster, PA 17605-0008
Phone 717/299-5201
HIGH STEEL STRUCTURES, INC.
A Division of High Industries, Inc.

WORKSHEET - CALCULATION PLAN
U.S. RTE. 5 (BRIDGE #60) OVER LULLS BROOK
U.S. RTE. 5 STA. 3+080.77 TO STA. 3+123.110
TOWN OF HARTLAND
WINDSOR COUNTY, VERMONT
STATE OF VERMONT, AGENCY OF TRANSPORTATION

STATE CONTRACT OR REF. NO. PROJECT NO. BRS-0113(22)
CONTRACTOR MILLER CONSTRUCTION, INC.
IN CHARGE: GLIDDEN (IH) MADE BY: MGK CHK'D. BY: RC DATE: 4/11/05
CONTRACT NUMBER: VT-05017-1 DRAWING NUMBER: WS1 OF WS1

LINE	RADIUS	A	B	C	D	E	F	G	H	I	J
G1	105 030	32 986	10 984	.0110	.0027	70°-59'-44.2"	19°-00'-15.8"	86	75°-44'-02.4"	14°-15'-57.6"	64
G2	102 515	33 065	10 082	.0114	.0026	70°-30'-36.8"	19°-29'-21.2"	88	75°-22'-34.7"	14°-37'-25.3"	65
G3	100 000	33 148	9178	.0103	.0041	70°-00'-00.0"	20°-00'-00.0"	91	75°-00'-00.0"	15°-00'-00.0"	67
G4	97 485	33 233	8274	.0107	.0036	69°-27'-39.8"	20°-32'-20.2"	94	74°-36'-12.8"	15°-23'-47.2"	69
G5	94 970	33 321	7368	.0111	.0017	68°-53'-29.5"	21°-06'-30.5"	97	74°-11'-07.1"	15°-48'-52.9"	71

PLOTTED: 4/28/2005 9:58:04 AM

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