VOLUME I
LOAD RATING REPORT
BASED ON THE 2008 IN DEPTH INSPECTION

COLUMBIA PARKWAY VIADUCT
BR#: HAM-471-0025
SFN: 3103390

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8
PID #79892



Inspected: October 20-24, 2008
Report: August 2009

TranSystems®

LOAD RATING REPORT
of
COLUMBIA PARKWAY VIADUCT

BRIDGE NO. HAM-471-0025
SFN: 3103390

HAMILTON COUNTY, OHIO

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Inspected on:

October 20, 2008 through October 24, 2008

Prepared for:

OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 8

Report Submitted August, 2009

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Ohio Department of Transportation
Bridge Load Rating Summary Table

Bridge Project No.: HAM-471-0025
Structure File Number: 3103390

Bridge Description	3 independent, multi-span Pratt Deck Trusses. Each structure consists of 3 truss lines, with a right forward skew of 39° 48' 20". The truss chords consist of built up box members, while the truss web members consist of rolled beams.				
Work Details	As-Inspected Rating				
Spans (C/C Bearings)	Structure 1: 85' – 0", 127' – 6" Structure 2: 148' – 9"; 170' – 0"; 148' – 9" Structure 3: 127' – 6"; 85' – 0"				
Bridge Plan Information	Original Plans 1936 (Fabricated 1937) Rehabilitation Plans 1995				
Material Strengths	Fy = 33 ksi				
Rating Method	Load Factor Rating				
Rating Software	STAAD.Pro 2007, Excel Workbooks				
Special Assumptions	See Attached Report				
Structure Rating Summary	Vehicle	Rating (HS)	Rating (Tons)	Member	Location
	Inventory HS-20-44	14.2	26	Truss Vertical	S1 – N – L_0U_0
	Operating HS-20-44	23.8	43	Truss Vertical	S1 – N – L_0U_0
	Ohio Legal Loads %	139%		Truss Vertical	S1 – N – L_0U_0
	2F1 (Tons)	42		Truss Vertical	S1 – N – L_0U_0
	3F1 (Tons)	39		Truss Vertical	S1 – N – L_0U_0
	4F1 (Tons)	41		Truss Vertical	S1 – N – L_0U_0
	5C1 (Tons)	56		Truss Vertical	S1 – N – L_0U_0
Gusset Plate Rating Summary	Inventory HS-20-44	39		U_0 & L_0	S1 - Center Truss
	Operating HS-20-44	66		U_0 & L_0	S1 - Center Truss
	Ohio Legal Loads %	214%		U_0 & L_0	S1 - Center Truss
	2F1 (Tons)	63		U_0 & L_0	S1 - Center Truss
	3F1 (Tons)	64		U_0 & L_0	S1 - Center Truss
	4F1 (Tons)	64		U_0 & L_0	S1 - Center Truss
	5C1 (Tons)	86		U_0 & L_0	S1 - Center Truss
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INTRODUCTION

The Ohio Department of Transportation (ODOT) has identified the need to perform a load rating analysis for the truss members and gusset plates for the fracture critical Pratt Deck Truss portion (Spans 5 through 11) of HAM-471-0025 **(see Location Map)**. These components were analyzed under As-Inspected conditions with current dead loads, as well as As-Built conditions for comparison. The Load Ratings were performed utilizing Load Factored Ratings per:

- ODOT *Bridge Design Manual, 2004 Edition*; AASHTO *Manual for the Condition Evaluation of Bridges (MCEB), 2nd Edition*;
- AASHTO *Standard Specifications for Highway Bridges, 17th Edition*;
- FHWA *Load Rating Guidance and Examples for Bolted and Riveted Gusset Plates In Truss Bridges*, February 2009 Edition
- AASHTO *Guide Specifications for Strength Design of Truss Bridges, 1985 Edition*.



Location Map

Unlike a traditional truss analysis, which assumes a pinned truss connection, the trusses were analyzed using 100% fixed connections, and the truss members were rated utilizing combined axial forces and bi-axial moments. In addition the space frame model utilizes non-uniform truss member section properties, where the truss members are stiffened at each end simulating the presence of gusset plates. A 3-dimensional model utilizing STAAD.Pro 2007 was developed to analyze the dead and live load conditions. The truss members were rated based upon two limit states:

1) The maximum axial force and corresponding Z-Z and Y-Y axis moments
2) The maximum Z-Z axis moment and corresponding axial force and Y-Y axis moment.

The load rating factors for the members were generated through Excel Workbooks. Load Factor Rating was utilized for the rating the components. The gusset plates were rated based upon the maximum and minimum axial loads through Excel spreadsheets. The floor beams load effects were calculated by hand and rated through Excel spreadsheets.

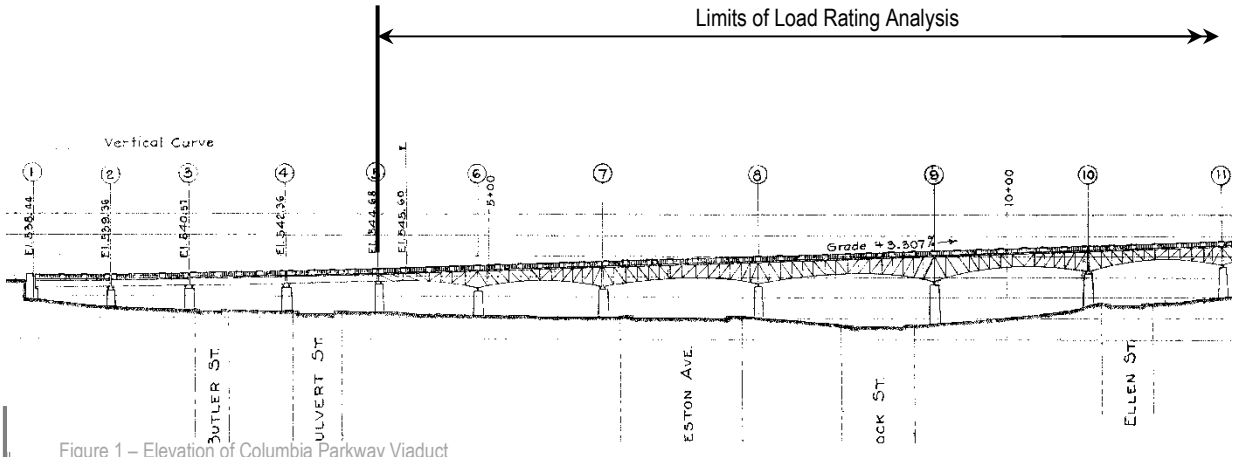


Figure 1 – Elevation of Columbia Parkway Viaduct

BRIDGE DESCRIPTION

The HAM-471-0025 (Columbia Parkway Viaduct) bridge is a 17 span ramp structure carrying two lanes of vehicular traffic in each direction from downtown Cincinnati to US-50 across four local streets and I-471 **(see Figure 1)**. The structure was designed by the City of Cincinnati and was constructed by the Bethlehem Steel Company in 1938. Between 1997 and 1998 a structural rehabilitation was performed. The structure is 1660'-9" long and 70'-6" wide (out to out of deck slab) with a 10'-8" wide sidewalk along the south side of the bridge.

The Front Approach (Spans 1 through 4) and the Rear Approach (Spans 12 through 17) are supported by three lines of single span, built up riveted steel girders. The Main Spans (Spans 5 through 11) are supported by three lines of Pratt Trusses. The Pratt Trusses are two span continuous for Spans 5 & 6 as well as Spans 10 & 11, and are three span continuous for Spans 7, 8, and 9 **(see figure 3)**. The chords for the Pratt Trusses consist of rolled members and built up riveted steel box sections. Floor beams consist of rolled beams and the cantilevered brackets are welded plate beams **(see figure 2)**. Both the floor beams and cantilevered brackets frame into both the built up girders and the truss's vertical and upper chord members. The tension and reversal members of the trusses, and the floor beams/cantilevered brackets are considered fracture critical members.

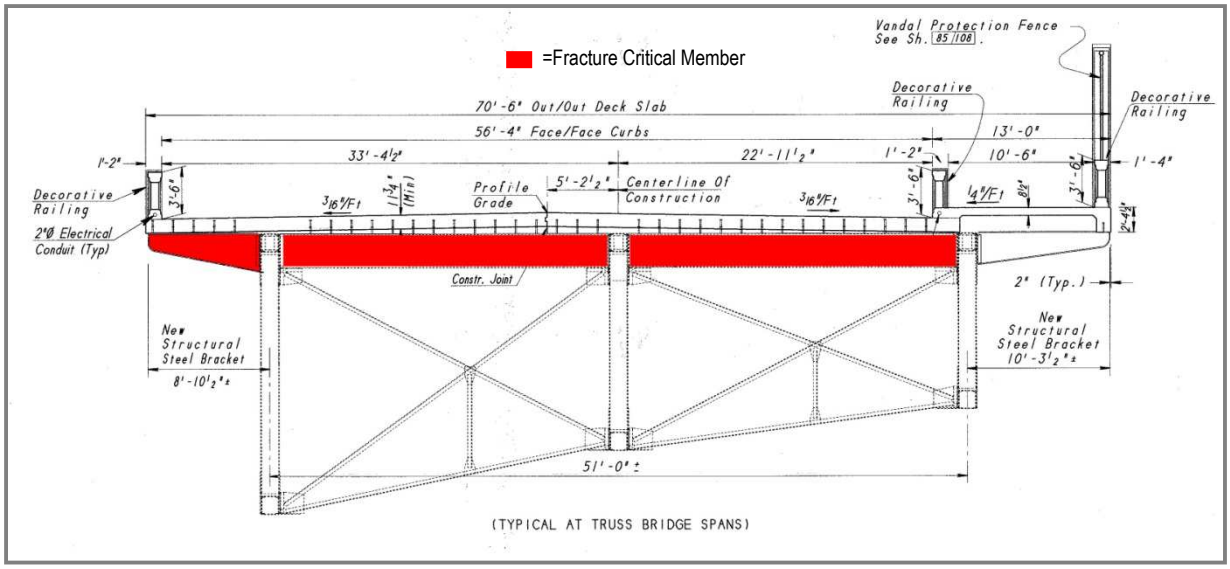
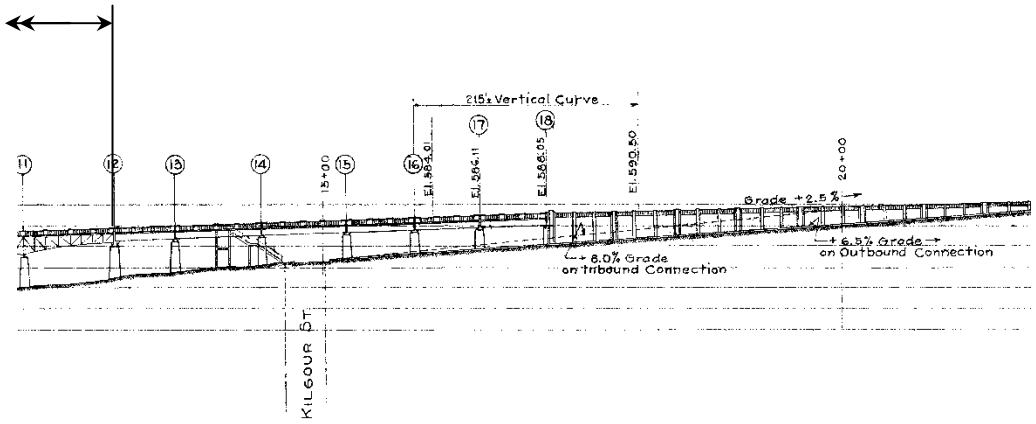


Figure 2 – Elevation of typical truss floorbeam.



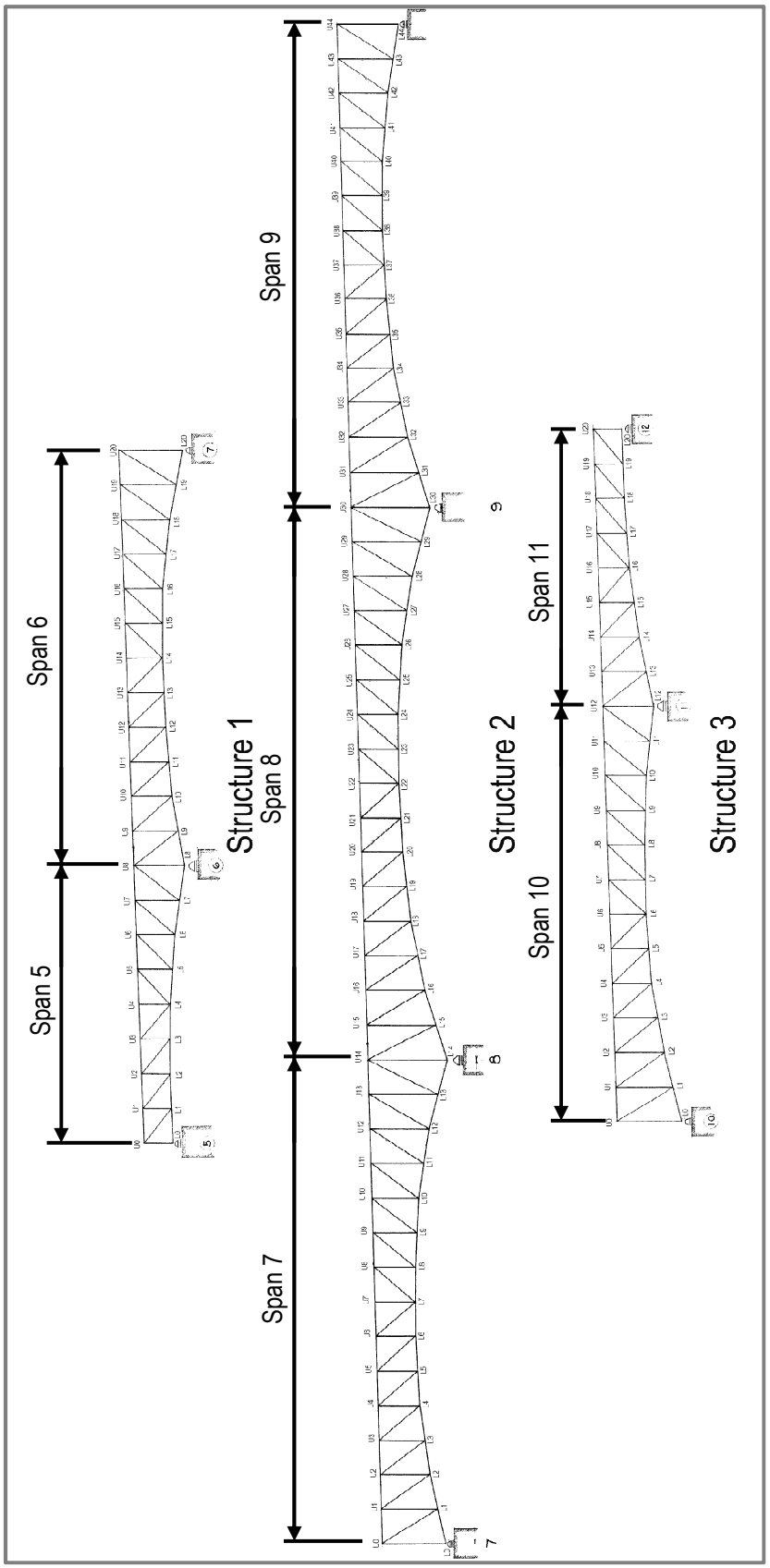


Figure 3 – Elevation of Pratt Deck Truss (Spans 6-12).

RATINGS

Floorbeams

The truss spans contain four unique rolled floor beams from the original construction, and have two types of retrofitted cantilever brackets from 1998. Due to the severe skew of the bridge, non-symmetric lane pattern, and large pedestrian walkway on the southern cantilevers, there are different ratings for the floorbeams between the north to center truss, center to south truss, and north/south cantilevers. The floor beam moments, shears and capacities were calculated by hand and the load ratings were generated through an Excel Worksheet. A summary of the Controlling Rating Factors for the As-Inspected Conditions can be seen below **(see table 1)**. The worst rating floorbeam was noted between the Center and North Truss at Pier 7 on Structure 2. A table detailing the locations and severity of floorbeam losses can be found in **Appendix A**.

Controlling Floorbeam As-Inspected Rating Factors

Member Type	Member ID	HS-20-44		2F1	3F1	4F1	5C1
		Inventory	Operating	Operating	Operating	Operating	Operating
18 WF 50 (Typ.)	Center North	1.62	2.70	4.21	3.71	3.31	3.13
18 WF 50 (Typ.)	Center South	1.60	2.67	4.15	3.66	3.26	3.09
27 WF 91 (Typ.)	North Short	3.51	5.85	9.10	8.03	7.15	6.78
27 WF 91 (Typ.)	South Short	4.27	7.12	11.05	8.26	8.69	8.26
27 WF 106 (Typ.)	North Int. FB	1.33	2.21	3.44	2.50	2.63	2.57
27 WF 106 (Typ.)	South Int. FB	1.40	2.34	3.64	2.64	2.78	2.71
30 WF 124 (S2 FB0)	North End FB	1.07	1.78	2.93	2.21	2.38	2.24
30 WF 124 (Typ.)	SE End FB	1.39	2.31	3.63	2.77	3.03	2.77
30 WF 124 (Typ.)	SW End FB	1.65	2.74	3.94	2.89	2.71	2.89
North Cantilever	Typical	10.93	18.22	28.33	20.59	21.68	21.11

Table 1 – Controlling As-Inspected Rating Factors for floorbeams.

Deck Truss

Modeling Procedures and Assumptions

The following are a description of the assumptions that were made during the 3-D modeling and analysis of the truss using STAAD.Pro 2007.

A. The deck truss portion consists of 3 separate structures (units). Each structure's panel points are numbered consecutively from zero going west to east **(see figure 3)**. A global STAAD model was created which includes all three structures, for dead and live loads. The model reflected modifications to the structure during the rehabilitation in 1995.

B. The struts, sway braces, lateral braces, primary truss members and floor beams were modeled with frame elements **(see figure 4)**. The secondary members to truss connections are modeled as pinned connections. The floor beams to truss connection is modeled as a fixed connection.

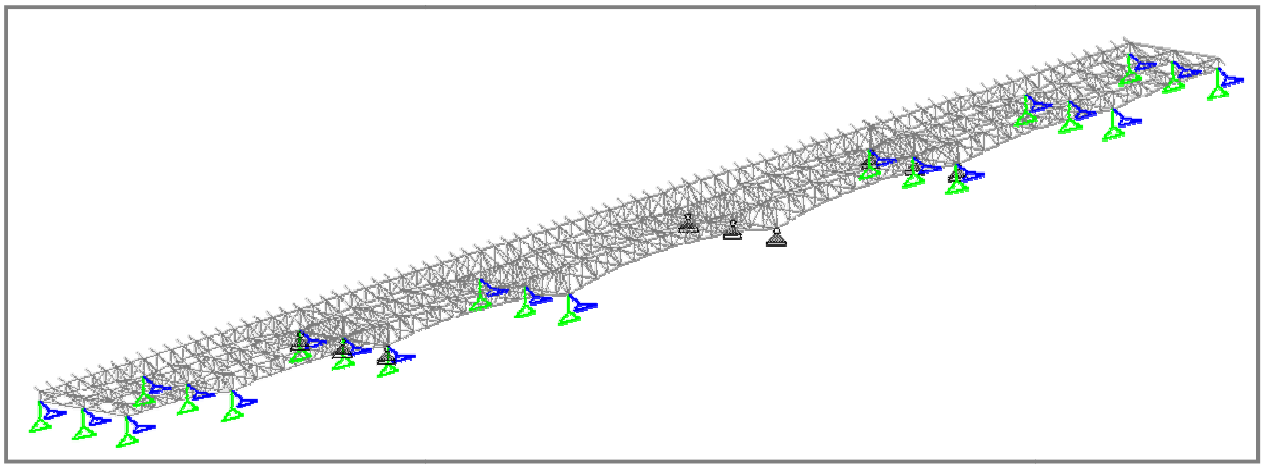


Figure 4 – 3D STAAD Model of HAM-471-0025.

The model was created with members being fixed at working points, and the member ends were stiffened. The limits of the stiffened ends extend from the working point to the last full row of rivets on the gusset plate connection **(see figure 5 and photo 1)**.

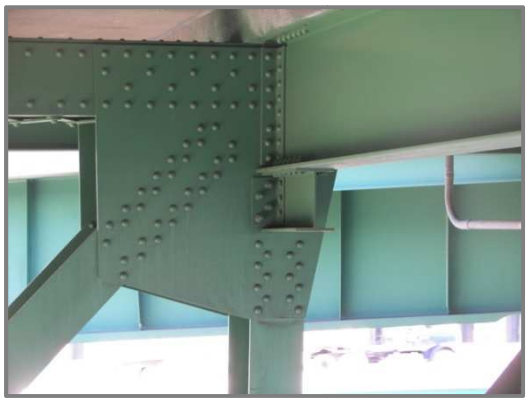


Photo 1 – Elevation of upper chord gusset plate.

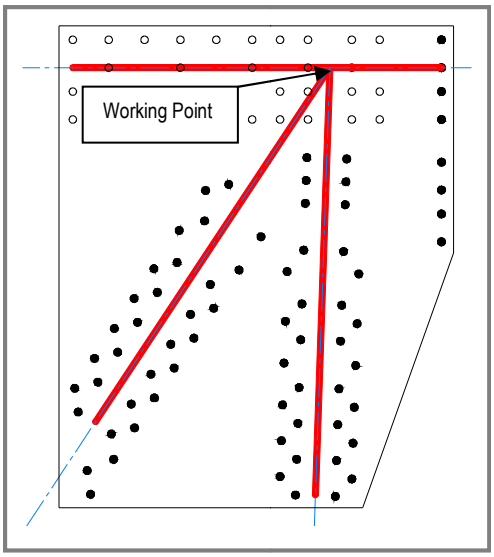


Figure 5 – Typical Truss Member to Stiffened Truss Member End Detail. Stiffened Truss Member ends highlighted in **RED**.

The members were stiffened by adding web cover plates to each box section. The cover plates are the as-built thickness of the gusset plate and extended a total of 6" beyond the limits of the member **(see figure 6)**, with one exception. Verticals connections, where no diagonals are present, were assumed to have cover plates that extended only to the limits of the member. This was due to the fact that the gusset plates at these locations do not have 6" of material beyond the member limits for most of the connection length.

Member properties for non-rolled sections, and discontinued rolled steel members were input using the user input tables.

C. Deck dead loads were applied to floorbeams as uniformly distributed loads along the length of the floorbeam. Inspection walkways and drain pipes were applied to adjacent truss panel point locations.

The structure has a 1.0 factor uniform gravity load applied . Each member modeled has additional uniform load applied, unique to each member type, to account for difference between modeled weight and constructed weight.

D. Live Loads for the HS-20-44 and Ohio Legal Loads utilize six 4- lane patterns to maximize loads on each truss in which the traffic is shifted

1) Toward the North Truss
    a. Trucks Side by Side
    b. Trucks staggered to match skew
2) Symmetric to Center Truss
    a. Trucks Side by Side
    b. Trucks staggered to match skew
3) Toward South Truss
    a. Trucks Side by Side
    b. Trucks staggered to match skew

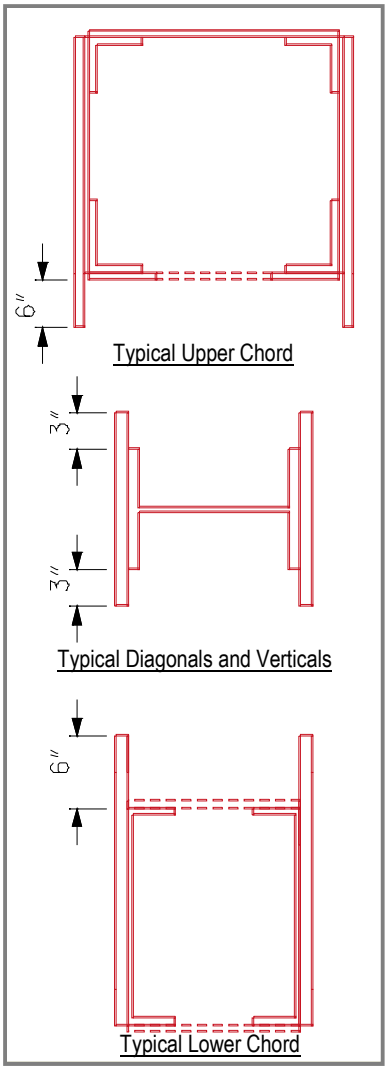


Figure 6 – Stiffened Truss Member End Plate Alignments.

The trucks loads are passed over all three structures (in one direction) using STAAD.Pro 2007 moving load feature.

The bridge was modeled at the 3.307% grade, however the moving load feature does not allow for trucks to travel on a grade. To solve this problem an identical but level "floating" floorbeam system was created above the structure **(see figure 7)**.

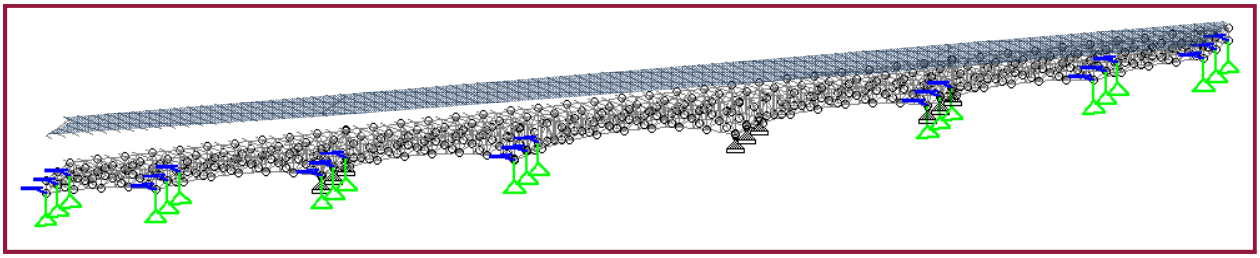


Figure 7 – Elevation of HAM-471-0025 Model with "floating" floorbeam system for Structure 1 and half of Structure 2.

The nodes of the "floating" floorbeam system were tied to the truss upper chord nodes through a master slave relationship. The nodes are tied together in the Global F_Y and M_X directions, which correspond to the vertical forces and floorbeam strong axis moments. This relationship models the shear and moment connections that exist at the floorbeam to truss connections.

The moving load feature was adjusted so that live load forces only traveled into the "floating" floorbeam system. If a truck wheel falls between two floorbeams the program uses a simple lever arm to distribute the load between two adjacent floorbeams. Depending on the truck pattern either one or all four truck start with their right front wheel on the first floorbeam and are passed over the bridge in 7'-11 5/8" increments.

The HS-20-44 Lane Loads were modeled with three lane configurations to maximize loads on each truss similar to the truck pattern. The axle weights utilized in the lane load were configured to be compliant with Minnesota Department of Transportation Memorandum *Truss Bridge Gusset Plate Analysis* (10-20-2008), which specifies that the shear axle load of 26 kips should be utilized to analyze the vertical and diagonal truss members and that the 18 kips should be utilized to analysis the upper and lower chord truss members.

Rating Assumptions

The following is a description of the assumptions that were used during the rating of the truss members. All As-Inspected information is based upon the results of the 2008 in-depth inspection. The losses utilized in the analysis can be found in **Appendix B**

A. The members were rated for two conditions
   a. The worst axial force and corresponding ZZ and YY moments.
   b. The worst ZZ axis moment and corresponding axial force and YY axis moment

B. The YY axis moment corresponds to the STAAD moment - M_Y (vertical axis). The ZZ axis moment corresponds to the STAAD moment – M_Z.

C. Moments and axial forces were taken along the truss member at the interface between the traditional truss member and the gusset plate stiffened truss member end **(see figure 5)**.

D. The physical member length was utilized from the shop drawings as the member lengths for compression capacity calculations. Per AASHTO Standard Specifications, Appendix C the K = 0.75.

E. Live Load Impact and multiple lane reductions were factored into the live loads on the rating sheet.

F. The rating calculations do not use Load Factor Group I, for D > 0.77 (D+L+I) from AASHTO *Guide Specifications for Strength Design of Truss Bridges (LFD)*, 1985. The calculations utilize AASHTO *Standard Specifications* Load Factor Groups as follows
   a. Inventory:
      1) Non-Pedestrian: 1.3*(DL+5/3*LL)
      2) Pedestrian: 1.3*(DL+1.25*LL)
   b. Operating: 1.3*(DL+LL)

G. From the AASHTO *Guide Specifications for Strength Design of Truss Bridges (LFD)*
   a. Are not utilizing M_Y in the second compression formula in Section 1.8 **(see formula 1)**. The formula utilizes the plastic moment of the section, and previous literature[1] states that assuming the plastic moment in a space frame configuration can overestimate the member's strength.

$$\left(\frac{P}{0.85\ A_{GE}\ F_Y}+\frac{M_Z}{M_{PZ}}\right)\leq 1.0$$

Formula 1 – AASHTO *Strength Design of Truss Bridges*, Section 1.8, 2nd Compression Formula.

b. The Equivalent Moment Factor follows AASHTO *Standard Specifications* 10.54.2.2..

c. Conservatively assuming that S_{GE} (Section Modulus Reduced for Access Holes) is the same as S_N (Net Section Modulus).

d. Assuming that the Shape Factor (f) is equal to Z_Z/S_Z, and that member is capable of obtaining a full plastic hinge.

e. Assuming the s/t ratio only applies for plates that were used in calculating a member capacity (Does not include lacing).

H. The combined axial and moment checks combine both dead and live loads into a Demand to Capacity ratio, which cannot be decoupled into a traditional rating. Instead the forces and moments were factored as follows:

Load = 1.3(DL+5/3*LL*RF) - shown for Vehicle Inventory Rating

The Rating Factors were then solved for each member utilizing an iterative numerical method to change the RF variable so that the Demand to Capacity Ratio is 1. The rating factor for the member is the value of RF when the Demand to Capacity Ratio is 1.

Truss Load Rating Summary

Based upon the above assumptions the following Load Ratings were developed **(see tables 2 through 4)**. The complete results can be found in **Appendix C**.

Controlling As-Built Truss Members Rating Factors

Truss	Member Type	Structure	Member ID	HS-20-44		2F1	3F1	4F1	5C1
				Inventory	Operating	Operating	Operating	Operating	Operating
North	Upper Chord	3	U_8 - U_9	1.31	2.19	4.81	3.18	2.81	2.40
	Lower Chord	2	L_{13} - L_{14}	1.51	2.52	11.20	7.28	6.25	4.55
	Diagonal	1	U_{17} - L_{16}	1.33	2.21	4.87	3.34	2.89	2.58
	Vertical	3	U_{20} - L_{20}	**0.91**	1.51	3.28	2.28	1.91	1.66
Center	Upper Chord	3	U_{18} - U_{19}	1.58	2.63	5.15	3.45	3.09	3.19
	Lower Chord	2	L_{14} - L_{15}	1.74	2.90	13.19	8.51	7.22	5.57
	Diagonal	2	U_{38} - L_{37}	1.44	2.39	5.07	3.46	2.98	3.07
	Vertical	1	U_0 - L_0	**0.71**	1.19	2.82	1.70	1.52	1.40
South	Upper Chord	2	U_{37} - U_{38}	1.74	2.89	4.78	3.52	3.34	3.45
	Lower Chord	2	L_{30} - L_{31}	1.21	1.59	2.53	2.03	1.85	1.47
	Diagonal	2	U_{31} - L_{32}	1.82	3.04	4.77	3.48	4.04	3.13
	Vertical	1	U_0 - L_0	1.03	1.73	2.85	2.45	2.17	2.00

Table 2 – As-Built Truss Ratings for three truss lines.

Controlling As-Inspected Truss Members Rating Factors									
Truss	Member Type	Structure	Member ID	HS-20-44		2F1	3F1	4F1	5C1
				Inventory	Operating	Operating	Operating	Operating	Operating
North	Upper Chord	3	U_8 - U_9	1.31	2.19	4.79	3.26	2.80	2.40
	Lower Chord	2	L_{13} - L_{14}	1.51	2.53	11.05	7.23	6.25	4.55
	Diagonal	1	U_{17} - L_{16}	1.33	2.21	4.87	3.34	2.89	2.58
	Vertical	1	U_0 - L_0	0.84	1.41	3.12	1.98	1.82	1.70
Center	Upper Chord	3	U_{18} - U_{19}	1.58	2.63	5.15	3.45	3.09	3.19
	Lower Chord	2	L_{14} - L_{15}	1.72	2.90	13.37	8.55	7.24	5.59
	Diagonal	2	U_{38} - L_{37}	1.44	2.39	5.08	3.46	2.98	3.07
	Vertical	1	U_0 - L_0	0.71	1.19	2.82	1.70	1.53	1.39
South	Upper Chord	2	U_{37} - U_{38}	1.74	2.89	4.74	3.53	3.37	3.43
	Lower Chord	2	L_{30} - L_{31}	1.20	1.51	2.42	1.93	1.81	1.45
	Diagonal	2	U_{15} - L_{16}	1.81	3.05	4.72	4.49	3.72	3.11
	Vertical	1	U_0 - L_0	1.03	1.72	2.82	2.45	2.17	2.00

Table 3 – As-Inspected Rating Values for three truss lines.

Inadequate Rating - As-Inspected Truss Members									
Truss	Member Type	Structure	Member ID	HS-20-44		2F1	3F1	4F1	5C1
				Inventory	Operating	Operating	Operating	Operating	Operating
North	Vertical	1	U_0 - L_0	0.84	1.41	3.12	1.98	1.82	1.70
		1	U_7 - L_7	0.94	1.57	3.34	2.27	1.98	1.99
		3	U_{20} - L_{20}	0.91	1.51	3.28	2.30	1.91	1.65
Center	Vertical	1	U_0 - L_0	0.71	1.19	2.82	1.70	1.53	1.39
		3	U_{20} - L_{20}	0.77	1.29	3.10	2.02	1.72	1.54

Table 4 – Inadequate Rating Values for three truss lines.

The controlling member is U_0 L_0 on the Center Truss in Structure 1 with an Inventory Rating of 0.71 and an HS-20 Operating Rating of 1.19.

Including the critical members, a total of 5 members from the North, Center and South trusses did not meet inventory levels, however all had a sufficient Operating status.

Gusset Plates

Rating Assumptions

The gusset plates were rated on a modified version of the Ohio Department of Transportation (ODOT) provided Load Factor Rating Gusset Plate Excel Workbook. The forces used in the rating are the maximum and minimum live load and dead load forces used in the truss member rating. Below are list of assumptions made in the rating. See **Figure 8** for an overview of how measurements were taken on the gusset plates.

A. An additional 1/8" was added to the 7/8"Ø bolt/rivets detailed on the shop drawings (1/16" more than the 15/16" diameter holes), for a total loss of 1" Diameter per rivet/bolt (AASHTO 10.16.14.6).

B. Lower Chord Gusset Plates that have non-planar chord members have the "Horizontal Shear Plane" aligned along the chord member that has the longest edge distance in the gusset plate.

C. The Inventory Load Factors were chosen as 1.3*(DL+5/3*LL) regardless of the presence of a pedestrian load or vehicle load.

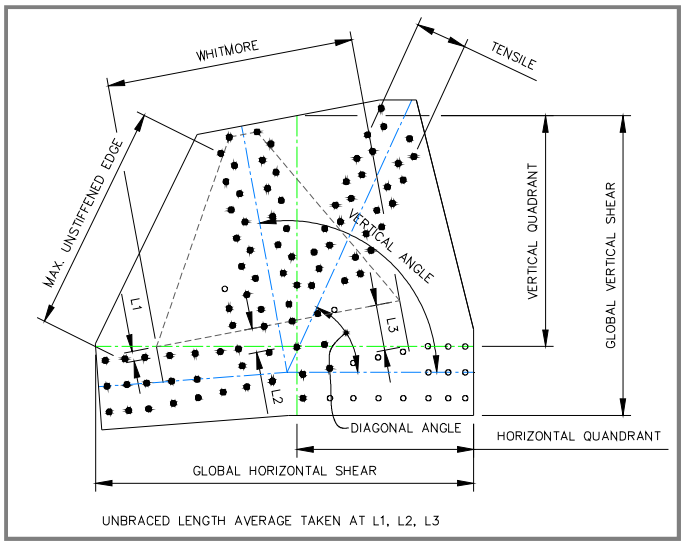


Figure 8 – Example of gusset plate measurements used in rating sheet.

D. A refined analysis was performed at select gusset plates with splice plates on the lower chord. The splice plates can be located both interior of the member, and outside of the gusset plate. When a splice plate is located interior of the member, it places the rivets in double shear. A rivet in double shear has double the capacity (see AASHTO 10.57.3.1). This increased capacity was achieved by doubling the number of rivets in double shear. The splice plates also increase the amount of steel resisting member block shear, tension yield and buckling. The increased capacity for these checks was accomplished by increasing the percent thickness modifications to greater than 1 for each appropriate check.

On Structure 2 (Spans 8 to 10) gusset plate L_4 [symmetry L_{40}] has splice plates that extend past the extents of the gusset plate. The number of rivets was increased to account for the additional rivets that are connecting the member to the splice plate past the gusset plate. A table of the panel points affected can be seen below **(see table 5)**.

Refined Gusset Plate Analysis Locations					
Structure	**Panel Point**	**Symmetric Panel Point**	**Increased Rivets**	**Increased Block Shear Thick.**	**Increased Whitmore Thick.**
1	L_{14}	-	Yes	Yes	Yes
1	L_{16}	-	Yes	Yes	Yes
2	**L_4**	**L_{40}**	**Yes**	**Yes**	**Yes**
2	**L_6**	**L_{38}**	**Yes**	**Yes**	**Yes**
2	**L_8**	**L_{36}**	**Yes**	**Yes**	**Yes**
3	L_4	-	Yes	Yes	Yes
3	L_6	-	Yes	Yes	Yes

Table 5 – Locations of refined gusset plate analysis along all three truss lines.

E. Below is brief overview of modifications to the ODOT spreadsheet
   a. Allows vertical member to be non-perpendicular to the chord
   b. As-Inspected Losses columns were added to allow for individual losses for Tensile, Whitmore, and Shear regions for each Gusset Plate

Gusset Plate Rating Summary

From the above assumptions the following As-Inspected Rating Factors were developed **(see table 6)**. In addition 152 of 174 gusset plates on each truss (77 along the upper chord, and 75 along the lower chord), do not meet the AASHTO Code (10.16.11.3) requirement for minimum plate thickness for an un-stiffened edge length **(see tables 7 through 9)**. The complete gusset plate ratings can be found in **Appendix D**.

As-Inspected Gusset Plate Members Rating Factors

Truss	Member Type	Structure	Gusset Plate ID	HS-20-44		2F1	3F1	4F1	5C1
				Inventory	Operating	Operating	Operating	Operating	Operating
North	Upper Chord	Structure 3	U20	1.53	2.55	5.92	3.88	3.30	2.45
	Lower Chord	Structure 2	L06	1.12	1.87	4.11	2.72	2.38	2.08
Center	Upper Chord	Structure 1	U00	1.09	1.82	4.22	2.77	2.36	2.14
	Lower Chord	Structure 1	L00	1.09	1.82	4.22	2.77	2.36	2.14
South	Upper Chord	Structure 1	U00	2.58	4.31	6.65	6.54	5.61	4.36
	Lower Chord	Structure 2	L06	1.05	1.75	3.05	2.31	2.50	2.01

Table 6 – As-Inspected Gusset Plate Controlling Rating Summary.

Gusset Plate Edge Stiffeness Summary Table				
Structure	Gusset ID	Edge Stiffness AASHTO 10.16.11.3	Gusset ID	Edge Stiffness AASHTO 10.16.11.3
1	U00	Fail	L00	Pass
1	U01	Pass	L01	Fail
1	U02	Pass	L02	Fail
1	U03	Pass	L03	Pass
1	U04	Pass	L04	Fail
1	U05	Fail	L05	Fail
1	U06	Fail	L06	Fail
1	U07	Fail	L07	Fail
1	U08	Fail	L08	Fail
1	U09	Fail	L09	Fail
1	U10	Fail	L10	Fail
1	U11	Fail	L11	Fail
1	U12	Fail	L12	Fail
1	U13	Fail	L13	Fail
1	U14	Pass	L14	Pass
1	U15	Fail	L15	Pass
1	U16	Fail	L16	Fail
1	U17	Fail	L17	Fail
1	U18	Fail	L18	Fail
1	U19	Fail	L19	Fail
1	U20	Fail	L20	Fail

Table 7 – Structure 1 Gusset Plate Edge Stiffness Summary Sheet (North, Center South Trusses).

Gusset Plate Edge Stiffeness Summary Table				
Structure	Gusset ID	Edge Stiffness AASHTO 10.16.11.3	Gusset ID	Edge Stiffness AASHTO 10.16.11.3
3	U00	Fail	L00	Fail
3	U01	Fail	L01	Fail
3	U02	Fail	L02	Fail
3	U03	Fail	L03	Fail
3	U04	Fail	L04	Fail
3	U05	Fail	L05	Pass
3	U06	Pass	L06	Pass
3	U07	Fail	L07	Fail
3	U08	Fail	L08	Fail
3	U09	Fail	L09	Fail
3	U10	Fail	L10	Fail
3	U11	Fail	L11	Fail
3	U12	Fail	L12	Fail
3	U13	Fail	L13	Fail
3	U14	Fail	L14	Fail
3	U15	Fail	L15	Fail
3	U16	Pass	L16	Fail
3	U17	Pass	L17	Pass
3	U18	Pass	L18	Fail
3	U19	Pass	L19	Fail
3	U20	Fail	L20	Pass

Table 9 – Structure 3 Gusset Plate Edge Stiffness Summary Sheet (North, Center South Trusses).

Gusset Plate Edge Stiffeness Summary Table				
Structure	Gusset ID	Edge Stiffness AASHTO 10.16.11.3	Gusset ID	Edge Stiffness AASHTO 10.16.11.3
2	U00	Fail	L00	Pass
2	U01	Fail	L01	Fail
2	U02	Fail	L02	Fail
2	U03	Fail	L03	Fail
2	U04	Fail	L04	Fail
2	U05	Fail	L05	Fail
2	U06	Fail	L06	Fail
2	U07	Fail	L07	Pass
2	U08	Fail	L08	Fail
2	U09	Fail	L09	Fail
2	U10	Fail	L10	Fail
2	U11	Fail	L11	Fail
2	U12	Fail	L12	Fail
2	U13	Fail	L13	Fail
2	U14	Fail	L14	Fail
2	U15	Fail	L15	Fail
2	U16	Fail	L16	Fail
2	U17	Fail	L17	Fail
2	U18	Fail	L18	Fail
2	U19	Fail	L19	Fail
2	U20	Fail	L20	Fail
2	U21	Fail	L21	Fail
2	U22	Fail	L22	Fail
2	U23	Fail	L23	Fail
2	U24	Fail	L24	Fail
2	U25	Fail	L25	Fail
2	U26	Fail	L26	Fail
2	U27	Fail	L27	Fail
2	U28	Fail	L28	Fail
2	U29	Fail	L29	Fail
2	U30	Fail	L30	Fail
2	U31	Fail	L31	Fail
2	U32	Fail	L32	Fail
2	U33	Fail	L33	Fail
2	U34	Fail	L34	Fail
2	U35	Fail	L35	Fail
2	U36	Fail	L36	Fail
2	U37	Fail	L37	Pass
2	U38	Fail	L38	Fail
2	U39	Fail	L39	Fail
2	U40	Fail	L40	Fail
2	U41	Fail	L41	Fail
2	U42	Fail	L42	Fail
2	U43	Fail	L43	Fail
2	U44	Fail	L44	Pass

Table 8 – Structure 2 Gusset Plate Edge Stiffness Summary Sheet (North, Center South Trusses).

RATING SUMMARY

The rating factor and rating tonnage summaries are shown in **Tables 10 and 11**. The controlling rating factor for the bridge is Structure 1, Center Truss Member U_0-L_0, which has an As-Inspected Inventory Rating of **0.71** and an HS-20 Operating Rating of 1.19. As can be seen in Figure 11 there are a total of 5 truss members with inadequate Inventory rating levels, however all 5 truss members have satisfactory Operating rating levels for the HS-20 and Ohio Legal Loads.

As-Inspected Rating Factors

Member Type	Structure	Member ID	HS-20-44		2F1	3F1	4F1	5C1
			Inventory	Operating	Operating	Operating	Operating	Operating
Floorbeam	North End	30 WF 124	1.07	1.78	2.93	2.21	2.38	2.24
Upper Chord	North 3	U_8 - U_9	1.31	2.19	4.79	3.26	2.80	2.40
Lower Chord	South 2	L_{30} - L_{31}	1.20	1.51	2.42	1.93	1.81	1.45
Diagonal	North 1	U_{17} - L_{16}	1.33	2.21	4.87	3.34	2.89	2.58
Vertical	Center 1	U_0 - L_0	**0.71**	1.19	2.82	1.70	1.53	1.39
Upper Gusset	Center 1	U_0	1.09	1.82	4.22	2.77	2.36	2.14
Lower Gusset	Center 1	L_0	1.09	1.82	4.22	2.77	2.36	2.14

Table 10 – As Inspected Rating Factor Summary Table.

As-Inspected Rating Summary (Tons)

Member Type	Structure	Member ID	HS-20-44 (36 Tons)		2F1 (15 Tons)	3F1 (23 Tons)	4F1 (27 Tons)	5C1 (40 Tons)
			Inventory	Operating	Operating	Operating	Operating	Operating
Floorbeam	North End	30 WF 124	39	64	44	51	64	90
Upper Chord	North 3	U_8 - U_9	47	79	72	75	76	96
Lower Chord	South 2	L_{30} - L_{31}	43	54	36	44	49	58
Diagonal	North 1	U_{17} - L_{16}	48	80	73	77	78	103
Vertical	Center 1	U_0 - L_0	**26**	43	42	39	41	56
Upper Gusset	Center 1	U_0	39	66	63	64	64	86
Lower Gusset	Center 1	L_0	39	66	63	64	64	86

Table 11 – As-Inspected Rating Tonnage Table.

CONCLUSIONS

Based upon the original and rehabilitation plans as well as the findings from the in-depth inspection of Bridge HAM-471-0025, load rating values were generated for the Pratt Deck Truss Members, Gusset Plates, and Floorbeams. These results indicate that the critical element is the vertical $U_0 – L_0$ of the Center Truss in Structure 1. The low rating values appear to be caused by the introduction of moments onto the truss members. From the 1936 design drawings it can be seen that Members U_0-L_0, U_7-L_7, and U_{20}-L_{20} of Structure 1 utilized 95.83%, 97.79%, and 92.94% respectively of the designed axial compressive capacity (ASD). The 1995 deck rehabilitation replaced the original 11 3/4" concrete deck with a 9 1/2" concrete deck, which weighs approximately 75% of the original concrete deck. The 1936 capacity percentages are reduced by 75% and are compared to 2009 (LFD) D/C ratios **(see Table 12)**.

Comparison of 1936 Design to 2009 Load Rating				
Member	1936 Design Axial D/C (%)	75% of 1936 Design Axial D/C (%)	2009 Rating Axial D/C (LFD)	Difference
$U_0 L_0$	95.8%	71.9%	76.6%	4.7%
$U_7 L_7$	97.8%	73.3%	74.8%	1.5%
$U_{20} L_{20}$	92.9%	69.7%	73.0%	3.3%

Table 12 – Comparison of 1936 D/C to 2009 D/C

This table indicates that the axial responses to the 3-D STAAD.Pro model are very similar to the original design, however the introduction of moments into the analysis has caused members to reach overstressed conditions. However, these overstress conditions are only present for the HS-20 Inventory Loading, and the bridge is currently posted for no truck traffic due to lane width restrictions on the entrance highway US-50 to the East.

The floorbeams all rate adequately, with the critical Inventory rating being 1.07 for FB0 between the North and Center Truss on Structure 2. The gusset plates all had satisfactory rating levels, however of the 522 gusset plates on these truss spans 456 (87%) do not meet the AASHTO minimum plate thickness requirements for un-stiffened edges (AASHTO 10.16.11.3). Based upon FHWA Guidance, as stated in the Load Rating Guidance and Examples for Bolted and Riveted Gusset Plates in Truss Bridges (2009), "Although an appropriate slenderness limit is advisable for the design of new gusset plates, it is not required in this guidance for load rating purposes. However, Owners are advised to evaluate the cause and effect of any excessive out of flatness at the free edges of gusset plates." From the 2008 inspection a total of 10 of 522 panel points were noted to have gusset plates with out of flatness (greater than 3/8") typically due to impacted rust between the truss member and the gusset plate.

RECOMMENDATIONS

We present our recommendations for HAM-471-0025 in the following four categories:

- Priority Repairs: (Within 1 Year Period) — Work which should be performed as soon as possible to address deficiencies which affect the capacity of the structure or public safety.
- Rehabilitation/Evaluation: (Within 5 Year Period) — Recommendations for large-scale deficiencies which are extensive in nature and require engineering analysis.
- Monitoring: (As Recommended) — Regular field observation of deficiencies which are not currently in need of repair, but will require corrective action if deterioration continues.

Priority Repairs: None

Rehabilitation/Evaluation: Evaluate effects of the gusset plate locations that exhibit excessive out of flatness along the free edge of the gussets (10 Locations).

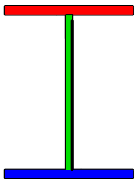
Monitoring: (12 month cycle) Monitor all gusset plates that exhibit out of flatness greater than 1/16".

APPENDIX A
FLOORBEAM LOSS SUMMARY TABLE

HAM-471-0025

Legend:
FW - Full Width
REM - Thickness of Steel Remaining

Distance positive if between supports
Distance negative if on cantilever

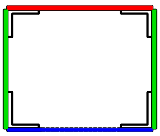


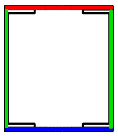
		Structure #: 1 - Piers 5-7 2 - Piers 7-10 3 - Piers 10-12	Floorbeam Type	Top Plate	Web Plate	Bottom Plate	Bay Location	Distance to Adjacent Bearing
				Horizontal	Web Plate	Horizontal	(North/South)	(Feet)
FB	00	1	30 WF 124		3/16" x 2"		North & South	Up to 3' from Center Truss
FB	20	1	30 WF 124		1/4" x 3"	1/4" x 5"	North	Full Length
FB	44	2	30 WF 124		1/8" x 3"		North & South	Full Length
FB	20	3	30 WF 124		1/8" x 3"		North & South	Full Length

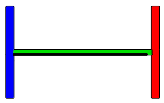
APPENDIX B
TRUSS MEMBER LOSS SUMMARY TABLE

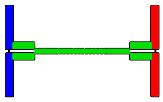
HAM-471-0025

Legend:
FH - Full Height
FW - Full Width
NF - North Face
SF - South Face


Box Section


Channels


WF Section


I-Section

Location	Structure	Member	Box Section/ Channels / I-Section	Section Loss* — North Truss: Top Plate (Horizontal Legs)	North Truss: Web Plate (Vertical legs/ Web Plate)	North Truss: Bottom Plate (Horizontal Legs)	Center Truss: Top Plate (Horizontal Legs)	Center Truss: Web Plate (Vertical legs/ Web Plate)	Center Truss: Bottom Plate (Horizontal Legs)	South Truss: Top Plate (Horizontal Legs)	South Truss: Web Plate (Vertical legs/ Web Plate)	South Truss: Bottom Plate (Horizontal Legs)
				All Losses are on the exterior of box section and channels (unless noted otherwise)								
Lower Chord	S1	L19 L20	Channels								1/8" x 7.5" NF 1/8" x 7.5" SF	
	Structure 2	L0 L1	Channels					3/16" x 14" NF 1/4" x 9" SF				
		L2 L3	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L3 L4	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L12 L13	Channels								1/8" x 2" NF 1/8" x 2" SF	
		L20 L21	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L21 L22	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L22 L23	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L23 L24	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L31 L32	Channels		1/8" x 2" NF 1/8" x 2" SF							
		L40 L41	Channels								1/8" x 2" NF 1/8" x 2" SF	
		L41 L42	Channels								1/8" x 2" NF 1/8" x 2" SF	
		L42 L43	Channels		1/4" x 5"							
	S3	L0 L1	Channels		1/4" x 3"							
		L10 L11	Channels					1/8" x 2"				
		L14 L15	Channels								1/8" x 4"	
Diagonals	S1	U5 L4	WF Section		1/16" x 3"							
	S2	U31 L32	WF Section			1/8" x FH						
Verticals	Structure 1	U0 L0	WF Section			3/16" x FH						
		U6 L6	I Section			1/8" x FH						
		U7 L7	I Section			1/8" x FH						
		U8 L8	WF Section								1/16" x 3"	
		U9 L9	I Section			1/16" x FH						
		U10 L10	WF Section			1/8" x FH						
		U20 L20	WF Section			1/4" x 6"					1/4" x FH	
	S2	U0 L0	WF Section			1/8" x FH						
		U30 L30	WF Section			1/4" x 4"					1/8" x FH	
		U33 L33	WF Section			1/16" x 5"						
	S3	U0 L0	WF Section		3/8" x 1 1/4"NF 3/8" x 1 1/4" NF						3/16" x FH	

*only controlling case listed by Depth x Length

APPENDIX C
TRUSS RATING SUMMARY TABLES

HAM-471-0025
Truss Member Rating Summary
Structure Summary

				HS-20 Loading												2F1 Truck						3F1 Truck						4F1 Truck						5C1 Truck					
				As-Built						As-Inspected						As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected		
				North Truss		Center Truss		South Truss		North Truss		Center Truss		South Truss		North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South
				Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.
Upper Chord	Unit 1	Span 5	$U_0 - U_1$	2.30	3.84	2.34	3.88	3.88	6.47	2.30	3.84	2.34	3.89	3.88	6.47	8.50	7.00	8.37	8.49	6.98	8.30	4.90	5.23	8.79	4.90	5.20	8.81	4.32	4.50	7.39	4.33	4.51	7.35	4.51	5.03	7.78	4.51	5.03	7.81
			$U_1 - U_2$	1.40	2.32	1.69	2.80	2.16	3.57	1.40	2.32	1.69	2.80	2.15	3.60	4.55	5.03	5.22	4.55	4.98	5.21	3.18	3.59	4.54	3.18	3.59	4.53	2.80	3.16	4.09	2.79	3.16	4.08	2.77	3.47	4.42	2.77	3.47	4.40
			$U_2 - U_3$	1.34	2.23	1.69	2.82	2.33	3.86	1.34	2.24	1.69	2.82	2.33	3.88	4.73	5.65	5.62	4.73	5.65	5.63	3.33	3.51	4.04	3.33	3.51	4.04	2.68	3.07	4.81	2.68	3.06	4.82	2.74	3.54	3.99	2.74	3.54	3.99
			$U_3 - U_4$	1.64	2.73	2.06	3.42	3.26	5.40	1.64	2.74	2.06	3.42	3.25	5.40	6.14	7.22	7.50	6.12	7.24	7.48	3.59	4.48	5.62	3.60	4.46	5.62	3.13	3.91	5.34	3.13	3.91	5.35	3.72	4.57	5.39	3.72	4.57	5.40
			$U_4 - U_5$	1.67	2.78	2.13	3.56	3.32	5.50	1.67	2.79	2.13	3.56	3.32	5.50	6.01	7.08	7.16	5.99	7.06	7.16	3.79	4.57	5.41	3.79	4.60	5.39	3.30	4.07	6.58	3.31	4.05	6.57	3.59	4.47	6.47	3.59	4.47	6.47
			$U_5 - U_6$	2.30	3.86	2.86	4.73	3.12	5.17	2.30	3.83	2.84	4.74	3.14	5.23	7.99	8.68	7.65	8.04	8.66	7.65	5.28	5.84	5.79	5.27	5.83	5.79	4.72	5.52	5.45	4.75	5.51	5.44	4.01	4.92	5.37	4.01	4.91	5.34
			$U_6 - U_7$	2.32	3.88	2.72	4.54	3.06	5.08	2.30	3.88	2.72	4.53	3.06	5.08	8.18	9.90	7.33	8.21	9.87	7.34	5.55	6.76	5.54	5.55	6.74	5.54	4.87	5.69	4.90	4.87	5.68	4.90	3.90	4.93	4.90	3.88	4.90	4.90
			$U_7 - U_8$	1.84	3.08	2.18	3.61	2.31	3.48	1.83	3.07	2.17	3.64	2.34	3.48	7.97	9.44	5.76	7.90	9.31	5.76	5.60	6.39	4.55	5.52	6.39	4.57	4.62	5.45	4.24	4.63	5.47	4.22	3.61	5.36	3.51	3.55	5.35	3.52
			$U_8 - U_9$	1.67	2.81	2.16	3.60	2.67	4.46	1.66	2.77	2.17	3.62	2.69	4.42	8.24	10.50	7.10	8.32	10.50	7.13	5.55	6.83	5.75	5.54	6.86	5.76	4.62	6.13	5.31	4.55	6.13	5.30	4.25	6.36	4.86	4.21	6.29	4.84
		Span 6	$U_9 - U_{10}$	2.67	4.46	3.60	5.98	4.79	7.96	2.67	4.46	3.60	6.00	4.79	7.95	10.03	12.31	11.56	10.01	12.34	11.56	6.27	8.22	8.96	6.26	8.14	8.96	5.48	7.49	7.89	5.47	7.49	7.93	5.21	7.12	8.50	5.25	7.06	8.48
			$U_{10} - U_{11}$	2.03	3.38	2.13	3.51	2.43	4.08	2.04	3.38	2.13	3.51	2.43	4.08	6.91	6.64	5.73	6.93	6.64	5.77	4.70	4.62	4.16	4.70	4.62	4.16	4.28	4.06	4.90	4.28	4.04	4.92	3.92	4.45	4.60	3.92	4.45	4.60
			$U_{11} - U_{12}$	1.45	2.41	1.75	2.93	1.75	2.89	1.46	2.41	1.75	2.93	1.75	2.88	5.13	6.18	4.13	5.10	6.19	4.09	3.52	3.99	3.09	3.53	3.99	3.09	2.95	3.44	2.83	2.94	3.44	2.84	2.64	3.77	3.21	2.64	3.77	3.21
			$U_{12} - U_{13}$	1.49	2.51	1.90	3.17	2.00	3.02	1.50	2.50	1.90	3.17	2.00	3.01	5.36	6.62	4.45	5.44	6.63	4.50	3.39	4.27	3.42	3.40	4.27	3.42	2.94	3.81	3.02	2.94	3.81	3.02	2.70	3.83	2.91	2.71	3.83	2.91
			$U_{13} - U_{14}$	1.37	2.28	1.89	3.15	1.84	3.09	1.37	2.28	1.89	3.16	1.84	3.09	4.66	6.02	4.33	4.66	6.08	4.34	3.07	4.12	3.18	3.07	4.12	3.16	2.73	3.74	2.86	2.74	3.75	2.85	2.68	3.72	3.34	2.68	3.72	3.34
			$U_{14} - U_{15}$	1.33	2.22	1.84	3.08	1.77	2.97	1.33	2.22	1.84	3.08	1.81	2.97	4.54	5.89	4.09	4.54	5.86	4.09	3.03	4.03	3.08	3.03	4.01	3.08	2.72	3.66	2.76	2.72	3.66	2.76	2.65	3.59	3.21	2.65	3.60	3.21
			$U_{15} - U_{16}$	1.42	2.37	1.84	3.07	1.99	3.32	1.42	2.36	1.84	3.07	1.99	3.32	4.84	6.06	4.96	4.81	6.06	4.89	3.32	4.26	3.61	3.31	4.26	3.61	2.88	3.47	3.26	2.86	3.48	3.30	2.47	3.39	3.56	2.47	3.39	3.56
			$U_{16} - U_{17}$	1.53	2.52	1.93	3.19	2.39	3.91	1.53	2.54	1.91	3.19	2.39	3.94	5.44	6.50	5.01	5.44	6.50	5.03	3.52	4.23	3.83	3.50	4.23	3.81	3.06	3.68	3.51	3.04	3.69	3.50	2.77	3.63	3.97	2.76	3.63	3.99
			$U_{17} - U_{18}$	1.53	2.54	1.78	2.97	2.40	3.35	1.53	2.55	1.77	2.96	2.40	3.35	5.18	5.44	4.89	5.18	5.48	4.90	3.39	3.64	3.82	3.38	3.66	3.82	3.00	3.32	3.48	2.99	3.33	3.49	2.67	3.15	4.05	2.68	3.13	4.06
			$U_{18} - U_{19}$	1.52	2.51	1.61	2.70	2.66	3.44	1.52	2.54	1.62	2.67	2.68	3.41	5.30	5.55	4.76	5.30	5.49	4.72	3.59	3.72	3.98	3.56	3.72	4.05	3.21	3.43	3.59	3.21	3.43	3.61	2.72	2.99	3.35	2.71	3.00	3.39
			$U_{19} - U_{20}$	3.29	5.48	3.37	5.62	6.61	8.20	3.29	5.48	3.37	5.59	6.61	8.20	12.66	12.54	13.48	12.62	12.52	13.49	8.64	8.57	10.57	8.67	8.51	10.59	7.61	7.95	9.59	7.61	7.90	9.61	6.38	6.79	8.12	6.36	6.80	8.20
			$U_0 - U_1$	3.73	6.21	3.30	5.50	4.47	7.45	3.75	6.21	3.27	5.50	4.48	7.43	13.77	10.63	15.78	13.73	10.63	15.81	8.82	7.57	11.16	8.82	7.56	11.26	7.60	6.52	9.38	7.58	6.52	9.39	6.40	5.77	7.60	6.40	5.77	7.61
			$U_1 - U_2$	2.05	3.39	1.84	3.05	2.37	3.94	2.05	3.39	1.84	3.05	2.36	4.00	7.68	5.95	5.98	7.68	5.95	5.96	4.91	4.11	5.36	4.91	4.11	5.32	4.34	3.66	4.75	4.34	3.63	4.74	3.73	3.28	3.90	3.73	3.28	3.97
			$U_2 - U_3$	1.92	3.16	2.06	3.43	2.13	3.60	1.90	3.17	2.06	3.43	2.16	3.61	6.46	6.44	5.57	6.50	6.42	5.64	4.40	4.45	5.13	4.40	4.45	5.13	3.98	3.87	4.44	3.95	3.87	4.43	3.33	3.64	3.85	3.35	3.64	3.84
			$U_3 - U_4$	1.54	2.57	1.85	3.11	1.89	3.12	1.54	2.57	1.85	3.08	1.89	3.12	5.52	6.36	4.56	5.52	6.38	4.56	3.77	4.21	3.75	3.77	4.22	3.75	3.12	3.64	3.88	3.12	3.65	3.88	2.70	3.77	3.48	2.72	3.74	3.48
			$U_4 - U_5$	1.56	2.61	1.96	3.27	1.95	3.24	1.57	2.61	1.96	3.23	1.95	3.24	5.62	6.20	4.70	5.59	6.23	4.71	3.55	4.13	3.91	3.55	4.14	3.92	3.11	3.70	3.94	3.12	3.71	3.96	2.90	3.73	3.41	2.90	3.73	3.41
			$U_5 - U_6$	1.55	2.57	1.95	3.28	2.07	3.44	1.55	2.57	1.95	3.28	2.09	3.47	5.60	6.85	5.09	5.60	6.85	5.08	3.72	4.58	3.93	3.72	4.58	3.92	3.36	4.28	4.53	3.36	4.28	4.51	2.94	3.77	3.84	2.94	3.77	3.81
			$U_6 - U_7$	1.45	2.41	1.81	3.02	1.94	3.24	1.45	2.39	1.81	3.02	1.94	3.24	5.00	5.79	5.27	4.97	5.79	5.27	3.49	4.00	3.93	3.44	4.00	3.93	2.97	3.46	4.60	2.99	3.46	4.60	2.78	3.33	3.72	2.79	3.33	3.72
			$U_7 - U_8$	1.45	2.41	1.88	3.11	1.94	3.23	1.44	2.41	1.88	3.11	1.94	3.23	5.14	5.88	5.26	5.14	5.91	5.23	3.56	3.99	3.92	3.56	3.97	3.92	3.01	3.51	4.17	3.01	3.51	4.17	2.64	3.31	3.68	2.64	3.31	3.70
			$U_8 - U_9$	1.54	2.56	2.00	3.34	2.19	3.64	1.54	2.54	2.00	3.34	2.18	3.64	5.59	6.66	5.25	5.53	6.66	5.26	3.49	4.41	4.00	3.49	4.41	4.00	3.03	3.92	4.13	3.05	3.92	4.10	2.59	3.56	4.03	2.59	3.56	4.00
			$U_9 - U_{10}$	1.69	2.81	2.14	3.56	2.75	4.58	1.69	2.81	2.15	3.56	2.75	4.58	5.81	7.09	6.60	5.81	7.09	6.60	3.82	4.66	5.02	3.82	4.66	5.02	3.38	4.22	5.04	3.38	4.22	4.99	2.99	3.96	5.39	2.99	3.96	5.39
		Span 7	$U_{10} - U_{11}$	2.31	3.83	2.85	4.76	3.83	6.37	2.31	3.83	2.91	4.82	3.83	6.36	8.04	9.69	10.80	8.04	9.70	10.84	5.45	6.66	8.00	5.45	6.66	8.02	4.72	5.75	8.80	4.72	5.75	8.80	4.07	5.62	6.68	4.07	5.64	6.68
			$U_{11} - U_{12}$	2.75	4.55	3.28	5.45	3.12	5.21	2.75	4.55	3.28	5.45	3.14	5.23	10.52	12.14	8.51	10.52	12.14	8.47	6.80	7.94	6.87	6.80	7.94	8.35	5.83	6.88	7.32	5.83	6.88	7.28	4.55	5.51	5.48	4.55	5.51	5.47
			$U_{12} - U_{13}$	3.27	5.47	3.60	6.01	3.44	5.75	3.28	5.49	3.58	5.97	3.42	5.71	11.54	13.12	10.32	11.54	13.12	10.45	7.69	8.58	7.40	7.67	8.58	7.70	6.81	7.69	6.98	6.81	7.69	6.98	5.49	6.12	6.55	5.49	6.12	6.57
			$U_{13} - U_{14}$	1.93	3.20	2.12	3.53	1.88	3.12	1.94	3.20	2.15	3.58	1.88	3.12	12.84	14.81	6.83	12.84	14.76	6.81	8.03	9.48	5.40	8.22	9.88	5.32	7.32	8.43	4.84	7.32	8.48	4.82	5.10	6.15	4.00	5.10	6.07	4.01
			$U_{14} - U_{15}$	1.79	2.98	2.10	3.49	1.97	3.24	1.78	2.98	2.12	3.53	1.93	3.25	13.85	11.95	7.35	13.85	11.95	7.48	8.44	8.37	5.94	9.10	8.37	6.02	7.83	8.25	5.53	7.83	8.23	5.49	5.64	6.86	4.47	5.64	6.89	4.46
			$U_{15} - U_{16}$	3.28	5.43	3.96	6.58	4.28	7.00	3.28	5.44	3.93	6.55	4.29	6.94	13.33	14.19	11.40	13.33	14.19	11.40	9.15	10.23	8.52	9.25	9.26	8.52	7.63	8.20	7.73	7.63	8.20	7.73	6.28	7.67	7.35	6.30	7.67	7.35
			$U_{16} - U_{17}$	3.14	5.26	3.94	6.56	4.07	6.75	3.17	5.29	3.94	6.55	4.06	6.75	12.02	12.94	10.69	12.06	13.05	10.61	7.47	8.70	8.05	7.54	8.63	7.92	6.62	8.00	8.18	6.62	8.00	8.19	5.49	6.66	6.47	5.49	6.66	6.50
			$U_{17} - U_{18}$	2.40	4.01	3.67	6.08	3.39	5.62	2.42	4.06	3.67	6.12	3.34	5.53	8.21	11.83	8.63	8.20	11.83	8.66	5.51	8.33	6.51	5.52	8.27	6.40	4.99	7.25	7.00	5.00	7.19	6.99	3.93	5.85	5.60	3.92	5.85	5.64
			$U_{18} - U_{19}$	2.58	4.29	2.86	4.77	3.71	6.22	2.58	4.31	2.86	4.78	3.72	6.23	8.68	9.72	9.39	8.69	9.78	9.36	5.97	6.34	7.88	5.97	6.34	7.90	5.31	5.52	7.13	5.31	5.52	7.14	4.86	5.70	6.77	4.88	5.70	6.73
			$U_{19} - U_{20}$	1.95	3.26	2.35	3.92	2.61	4.37	1.95	3.26	2.35	3.92	2.61	4.37	7.00	7.93	6.78	7.00	7.92	6.78	4.50	5.24	6.56	4.49	5.24	6.56	3.85	4.75	5.55	3.86	4.74	5.59	3.77	4.77	4.84	3.78	4.77	4.84
	Unit 2	Span 8	$U_{20} - U_{21}$	1.94	3.25	2.32	3.88	2.58	4.30	1.94	3.25	2.32	3.88	2.56	4.28	6.57	7.80	6.57	6.57	7.80	6.61	4.35	5.32	6.13	4.35	5.32	6.14	3.85	4.73	5.25	3.85	4.73	5.26	3.69	4.55	4.57	3.69	4.55	4.59
			$U_{21} - U_{22}$	1.59	2.65	2.07	3.43	2.36	3.93	1.59	2.65	2.07	3.45	2.35	3.93	5.55	6.92	5.74	5.55	6.96	5.74	3.78	4.73	5.47	3.80	4.73	5.47	3.27	4.10	4.82	3.27	4.08	4.82	2.97	4.07	4.22	2.97	4.08	4.22
			$U_{22} - U_{23}$	1.62	2.69	2.08	3.49	2.32	3.88	1.62	2.69	2.08	3.49	2.33	3.89	5.53	6.75	5.86	5.52	6.75	5.86	3.79	4.49	5.52	3.83	4.48	5.52	3.25	3.96	4.84	3.25	3.96	4.84	2.92	3.89	4.16	2.94	3.89	4.16
			$U_{23} - U_{24}$	1.84	3.05	2.25	3.74	2.86	4.73	1.83	3.05	2.25	3.77	2.86	4.74	6.63	6.86	6.97	6.63	6.85	6.97	4.11	4.67	6.95	4.11	4.64	6.95	3.63	4.11	5.90	3.63	4.10	5.89	3.26	4.06	4.76	3.26	4.07	4.74
			$U_{24} - U_{25}$	1.78	2.98	2.11	3.54	3.13	5.21	1.78	2.98	2.11	3.54	3.13	5.21	6.20	7.00	7.98	6.20	7.00	7.98	4.14	4.67	7.57	4.14	4.68	7.57	3.73	4.28	6.55	3.73	4.28	6.55	3.45	4.23	5.62	3.45	4.23	5.62
			$U_{25} - U_{26}$	2.30	3.85	2.64	4.39	4.28	7.11	2.30	3.85	2.65	4.40	4.27	7.16	7.67	8.67	11.15	7.67	8.69	11.19	5.27	5.87	8.56	5.25	5.88	8.56	4.73	5.12	9.42	4.72	5.12	9.42	4.26	5.14	7.31	4.25	5.13	7.31
			$U_{26} - U_{27}$	2.57	4.30	3.62	6.06	3.38	5.64	2.57	4.27	3.53	5.88	3.39	5.64	9.60	12.25	8.77	9.58	12.24	8.77	6.14	8.08	6.70	6.14	8.10	6.64	5.31	7.08	6.98	5.33	7.06	6.98	4.26	5.93	5.44	4.24	5.93	5.44
			$U_{27} - U_{28}$	3.47	5.80	4.23	7.07	4.14	6.91	3.45	5.76	4.23	7.07	4.16	6.94	11.78	13.97	11.62	11.71	13.97	11.62	7.85	9.27	8.34	7.82	9.27	8.34	7.07	8.49	7.56	7.06	8.52	7.56	5.67	6.80	7.33	5.70	6.80	7.33
			$U_{28} - U_{29}$	3.64	6.12	4.27	7.12	3.89	6.48	3.66	6.12	4.29	7.11	3.87	6.44	13.73	15.09	12.43	13.73	14.99	12.40	9.37	10.01	9.58	9.37	10.01	9.59	8.00	8.74	8.60	8.00	8.74	8.61	6.38	10.16	6.85	6.38	10.16	6.86
			$U_{29} - U_{30}$	2.06	3.43	2.18	3.63	1.88	3.10	2.06	3.45	2.16	3.60	1.89	3.09	13.95	15.16	6.85	13.97	15.16	6.98	9.81	9.35	5.75	10.17	9.40	5.72	8.28	9.03	5.32	8.30	8.95	5.36	5.91	6.70	4.36	5.86	6.68	4.40
			$U_{30} - U_{31}$	2.04	3.40	2.24	3.72	2.09	3.50	2.05	3.41	2.25	3.76	2.09	3.52	15.81	12.80	7.21	15.81	12.80	7.21	10.49	9.83	5.92	10.49	9.87	5.84	8.95	9.12	5.37	8.95	9.08	5.37	6.44	7.02	4.39	6.44	7.00	4.42
			$U_{31} - U_{32}$	3.14	5.23	3.52	5.80	3.65	6.07	3.12	5.20	3.51	5.83	3.66	6.08	12.90	12.46	10.15	12.87	12.46	10.16	7.93	8.43	7.69	7.87	8.43	7.68	7.04	7.70	6.65	6.97	7.70	6.64	5.91	6.78	6.49	5.90	6.78	6.44
			$U_{32} - U_{33}$	2.76	4.60	3.26	5.46	3.28	5.48	2.78	4.62	3.26	5.42	3.30	5.49	9.98	11.27	9.42	9.98	11.27	9.42	6.79	7.57	8.42	6.79	7.52	8.41	6.05	6.53	7.28	6.05	6.53	7.29	4.62	5.33	5.76	4.62	5.33	5.76
			$U_{33} - U_{34}$	2.98	4.98	3.16	5.28	3.43	5.75	2.99	5.00	3.16	5.28	3.43	5.75	10.26	10.90	9.17	10.32	10.90	9.16	7.16	7.01	7.56	7.18	7.01	7.56	5.91	6.14	7.78	5.92	6.14	7.77	4.99	6.83	6.87	5.01	6.83	6.88
			$U_{34} - U_{35}$	2.16	3.61	2.32	3.88	2.25	3.72	2.17	3.61	2.32	3.88	2.25	3.72	8.16	7.77	5.98	8.24	7.77	5.98	5.08	5.17	4.51	5.08	5.17	4.48	4.43	4.66	5.01	4.43	4.66	5.01	4.21	4.70	4.39	4.23	4.70	4.41
			$U_{35} - U_{36}$	1.97	3.30	2.22	3.70	1.87	3.09	1.98	3.30	2.22	3.74	1.86	3.09	6.78	7.60	5.07	6.78	7.59	5.08	4.51	5.17	3.67	4.50	5.16	3.67	4.02	4.58	4.16	4.00	4.58	4.13	3.50	4.22	3.56	3.50	4.22	3.56
			$U_{36} - U_{37}$	1.79	2.99	1.96	3.29	1.76	2.91	1.79	2.99	1.96	3.29	1.75	2.91	6.41	6.63	4.73	6.41	6.63	4.73	4.44	4.55	3.50	4.43	4.51	3.50	3.82	3.89	4.02	3.82	3.89	4.02	3.45	3.75	3.45	3.45	3.75	3.45
			$U_{37} - U_{38}$	1.78	2.96	1.99	3.33	1.74	2.89	1.79	2.97	1.99	3.33	1.74	2.89	6.36	6.38	4.78	6.36	6.38	4.74	4.39	4.24	3.52	4.39	4.24	3.53	3.67	3.72	3.34	3.65	3.72	3.37	3.36	3.61	3.45	3.36	3.61	3.43
			$U_{38} - U_{39}$	1.87	3.12	2.10	3.50	1.97	3.28	1.86	3.12	2.10	3.50	1.97	3.28	7.07	7.36	5.16	7.03	7.36	5.18	4.34	4.84	3.92	4.34	4.82	3.92	3.78	4.53	4.32	3.81	4.53	4.27	3.37	3.93	3.44	3.37	3.93	3.48
			$U_{39} - U_{40}$	1.82	3.02	1.89	3.14	2.01	3.32	1.82	3.05	1.89	3.14	2.01	3.39	6.04	5.91	4.84	6.02	5.91	4.84	4.07	4.03	3.63	4.07	4.03	3.63	3.66	3.74	4.14	3.66	3.74	4.14	3.29	3.44	3.43	3.29	3.44	3.43
			$U_{40} - U_{41}$	1.78	2.96	1.88	3.16	2.13	3.55	1.78	2.96	1.88	3.16	2.12	3.53	6.04	5.91	5.15	6.03	5.93	5.14	4.21	4.02	3.78	4.21	4.02	3.77	3.62	3.54	4.38	3.62	3.54	4.37	3.06	3.24	3.50	3.09	3.27	3.51
			$U_{41} - U_{42}$	1.97	3.29	1.93	3.23	2.64	4.42	1.97	3.28	1.93	3.23	2.64	4.40	7.01	6.52	5.71	7.03	6.54	5.71	4.60	4.34	4.30	4.59	4.34	4.30	3.98	3.82	4.09	3.97	3.82	4.09	3.31	3.46	4.37	3.32	3.46	4.40
			$U_{42} - U_{43}$	2.13	3.55	2.08	3.48	3.10	5.18	2.13	3.56	2.07	3.44	3.11	5.18	7.25	6.65	6.51	7.29	6.67	6.54	4.81	4.39	5.02	4.76	4.35	5.02	4.25	3.99	4.52	4.24	3.98	4.49	3.59	3.68	5.23	3.59	3.67	5.23
			$U_{43} - U_{44}$	3.53	5.88	3.26	5.39	6.64	11.00	3.53	5.88	3.26	5.39	6.62	11.09	12.67	10.95	12.40	12.67	10.95	12.39	8.67	7.25	9.53	8.67	7.25	9.58	7.62	7.41	8.81	7.62	7.41	8.75	6.31	6.23	10.78	6.31	6.23	10.87
			$U_0 - U_1$	4.11	6.84	3.37	5.61	4.92	8.22	4.11	6.82	3.37	5.61	4.96	8.24	13.71	12.43	18.48	13.71	12.43	18.57	9.80	8.13	12.03	9.78	8.13	12.10	8.16	7.55	11.15	8.21	7.55	11.18	7.17	6.90	9.62	7.17	6.83	9.65
			$U_1 - U_2$	1.84	3.06	1.64	2.72	2.08	3.46	1.84	3.08	1.64	2.72	2.09	3.48	6.58	5.51	4.87	6.

HAM-471-0025

Truss Member Rating Summary
Structure Summary

				HS-20 Loading										2F1 Truck						3F1 Truck						4F1 Truck						5C1 Truck					
				As-Built						As-Inspected				As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected		
				North Truss		Center Truss		South Truss		North Truss		Center Truss		South Truss		North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South
				Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.
Lower Chord	Unit 1	Span 5	L_0-L_1	12.00	20.02	7.07	11.74	7.21	11.99	11.72	19.59	7.07	11.77	7.19	12.00	37.10	19.21	23.28	36.40	19.35	23.29	22.63	14.09	17.20	22.30	14.11	17.26	21.45	13.30	14.38	20.98	13.39	14.38	24.47	15.53	17.76	24.08	15.54	17.76
			L_1 - L_2	1.70	2.85	1.96	3.29	2.29	3.82	1.70	2.85	1.96	3.29	2.27	3.78	6.00	6.61	6.31	5.96	6.65	6.27	3.88	4.38	5.31	3.89	4.35	5.29	3.57	3.72	4.40	3.58	3.69	4.39	4.08	4.20	4.82	4.06	4.20	4.85
			L_2 - L_3	1.75	2.92	2.21	3.65	2.51	4.18	1.75	2.94	2.18	3.65	2.51	4.21	6.03	6.76	6.79	6.02	6.74	6.76	4.00	4.70	5.46	4.00	4.67	5.44	3.57	4.11	4.84	3.58	4.11	4.84	3.66	4.61	5.31	3.66	4.62	5.32
			L_3 - L_4	1.73	2.88	2.02	3.37	2.46	4.11	1.73	2.86	2.02	3.37	2.46	4.11	5.65	6.83	6.48	5.64	6.83	6.47	3.93	4.65	5.50	3.93	4.65	5.50	3.37	3.95	4.91	3.37	3.95	4.92	3.45	4.46	4.97	3.46	4.46	4.97
			L_4 - L_5	1.71	2.88	2.24	3.76	1.95	3.22	1.72	2.85	2.24	3.76	1.95	3.26	6.41	8.02	4.71	6.46	8.02	4.72	4.09	5.22	3.56	4.12	5.26	3.57	3.58	4.57	3.15	3.56	4.57	3.19	2.99	3.95	3.32	2.98	3.95	3.33
			L_5 - L_6	1.75	2.91	2.57	4.27	1.88	3.13	1.75	2.91	2.53	4.22	1.88	3.15	6.77	9.20	4.56	6.80	9.18	4.55	4.51	6.08	3.42	4.51	6.14	3.44	3.89	5.35	3.01	3.90	5.41	3.00	2.98	4.43	3.19	2.99	4.41	3.19
			L_6 - L_7	2.31	3.85	2.95	4.95	2.96	3.67	2.30	3.84	2.96	4.94	2.93	3.67	9.39	11.81	6.53	9.29	11.75	6.47	6.30	8.02	5.11	6.28	7.69	5.07	5.33	6.61	4.50	5.32	6.61	4.58	4.32	5.60	3.71	4.34	5.63	3.71
			L_7 - L_8	1.55	2.60	1.94	3.23	1.97	2.51	1.56	2.60	1.93	3.22	1.98	2.48	9.27	12.80	4.89	9.30	12.84	4.90	6.13	8.31	3.93	6.09	8.31	3.94	5.32	7.15	3.60	5.27	7.15	3.57	4.68	5.51	3.03	4.68	5.51	3.01
			L_8 - L_9	1.63	2.72	2.10	3.51	1.56	1.98	1.62	2.73	2.08	3.47	1.54	1.93	10.89	12.58	3.60	10.93	12.64	3.59	7.11	8.34	2.93	7.06	8.29	2.92	6.11	7.10	2.67	6.15	7.07	2.67	4.53	5.56	2.25	4.55	5.54	2.25
		Span 6	L_9 - L_{10}	2.67	4.40	3.58	5.96	3.51	4.38	2.67	4.41	3.58	6.00	3.55	4.43	12.29	16.00	8.49	12.40	15.93	8.42	8.07	10.20	6.85	8.13	10.13	6.80	6.94	9.02	6.32	6.98	9.00	6.32	6.29	9.72	5.47	6.28	9.70	5.44
			L_{10} - L_{11}	2.23	3.69	3.30	5.54	3.58	5.19	2.17	3.64	3.25	5.40	3.57	5.18	8.22	11.86	7.14	8.17	11.95	7.16	5.38	7.74	5.55	5.36	7.77	5.54	4.65	6.80	5.19	4.67	6.79	5.20	4.08	6.20	4.50	4.08	6.16	4.49
			L_{11} - L_{12}	2.11	3.50	2.15	3.58	2.19	3.64	2.11	3.54	2.15	3.59	2.17	3.64	7.16	7.15	7.86	7.14	7.22	7.86	4.90	4.56	4.96	4.89	4.61	5.01	4.24	4.02	4.32	4.23	4.03	4.33	4.41	4.31	4.34	4.43	4.33	4.39
			L_{12} - L_{13}	2.16	3.61	2.41	4.02	2.39	3.97	2.16	3.60	2.41	4.00	2.40	3.98	7.78	8.15	6.58	7.77	8.14	6.55	5.13	5.47	5.67	5.19	5.48	5.68	4.44	4.73	5.17	4.45	4.73	5.16	4.61	4.89	4.71	4.62	4.87	4.76
			L_{13} - L_{14}	1.80	3.03	2.20	3.67	2.15	3.59	1.82	3.01	2.20	3.67	2.16	3.59	6.40	7.73	5.74	6.39	7.73	5.76	4.26	5.23	5.19	4.27	5.23	5.15	3.76	4.75	4.47	3.75	4.75	4.47	3.82	4.61	3.97	3.83	4.61	4.00
			L_{14} - L_{15}	1.92	3.21	2.35	3.90	2.49	4.13	1.93	3.23	2.35	3.90	2.48	4.14	7.01	8.37	6.73	7.06	8.30	6.69	4.80	5.69	6.00	4.80	5.69	5.96	4.38	5.11	5.16	4.36	5.12	5.14	4.00	5.19	4.66	4.04	5.17	4.62
			L_{15} - L_{16}	2.42	4.04	2.79	4.62	3.25	5.41	2.43	4.04	2.79	4.62	3.24	5.42	8.78	9.56	9.03	8.71	9.52	9.07	5.54	6.16	7.56	5.57	6.23	7.58	4.81	5.37	6.63	4.83	5.37	6.63	4.56	5.38	5.85	4.57	5.38	5.87
			L_{16} - L_{17}	2.26	3.77	2.47	4.08	3.12	5.20	2.28	3.78	2.44	4.08	3.10	5.22	8.14	8.49	10.18	8.15	8.49	10.11	5.41	5.67	7.46	5.42	5.67	7.50	4.69	5.00	6.57	4.69	4.99	6.59	4.47	4.92	5.40	4.50	4.88	5.36
			L_{17} - L_{18}	2.85	4.74	2.70	4.48	3.96	6.58	2.85	4.74	2.70	4.49	3.97	6.58	9.83	9.24	14.32	9.88	9.25	14.32	6.91	6.46	9.35	6.84	6.45	9.35	5.90	5.60	8.23	5.93	5.60	8.23	6.04	5.72	6.51	6.02	5.72	6.51
			L_{18} - L_{19}	2.98	4.96	2.31	3.81	2.93	4.89	2.97	4.92	2.30	3.83	2.98	4.90	10.50	8.35	11.08	10.50	8.35	11.11	6.63	5.75	7.46	6.63	5.78	7.48	5.91	5.03	6.44	5.92	5.06	6.54	5.80	4.92	4.89	5.80	4.92	4.90
			L_{19} - L_{20}	2.90	4.82	5.28	8.83	5.45	9.09	2.89	4.81	5.29	8.78	4.92	8.19	11.26	18.55	12.97	11.29	18.40	11.36	7.37	12.77	11.57	7.38	12.25	10.22	6.21	10.63	10.58	6.17	10.52	9.59	4.97	14.48	9.19	4.99	14.34	8.29
			L_0-L_1	13.33	22.08	8.01	13.32	9.73	15.87	13.16	22.07	6.60	11.08	9.81	15.83	44.31	35.91	29.31	43.31	30.05	29.20	28.30	18.10	19.14	28.53	14.84	22.72	26.14	17.53	19.85	25.46	14.54	19.88	23.42	18.73	16.66	23.11	15.73	16.73
			L_1 - L_2	3.19	5.32	2.70	4.50	3.36	5.61	3.18	5.29	2.68	4.49	3.36	5.59	11.60	8.92	11.36	11.58	8.87	11.35	7.20	6.37	7.81	7.18	6.33	7.80	6.32	5.46	7.07	6.33	5.47	7.02	5.97	5.03	6.29	5.97	5.00	6.28
			L_2 - L_3	2.95	4.89	2.75	4.58	3.16	5.27	2.89	4.83	2.75	4.59	3.17	5.24	10.71	9.93	10.46	10.47	9.90	10.48	7.06	6.38	7.50	6.94	6.38	7.47	6.20	5.54	6.43	6.15	5.50	6.46	5.51	5.24	5.95	5.40	5.25	5.93
			L_3 - L_4	2.45	4.08	2.56	4.28	2.69	4.47	2.41	4.01	2.57	4.27	2.69	4.50	8.50	9.23	7.62	8.32	9.21	7.65	5.66	5.85	6.26	5.57	5.91	6.21	5.07	5.16	5.40	4.99	5.18	5.45	4.60	5.11	4.92	4.51	5.12	4.90
			L_4 - L_5	2.64	4.35	2.88	4.81	2.91	4.88	2.63	4.39	2.88	4.79	2.90	4.85	9.71	10.38	7.93	9.66	10.35	7.91	6.32	6.94	7.16	6.31	6.92	7.14	5.51	6.02	6.21	5.55	5.99	6.22	5.00	5.79	5.34	5.00	5.78	5.41
			L_5 - L_6	2.33	3.87	2.82	4.71	2.74	4.55	2.32	3.86	2.82	4.71	2.75	4.57	8.44	9.73	7.35	8.50	9.70	7.31	5.50	6.53	6.65	5.54	6.53	6.69	4.84	5.88	5.71	4.84	5.88	5.70	4.52	5.34	4.95	4.52	5.34	5.01
			L_6 - L_7	2.23	3.70	2.78	4.65	2.61	4.36	2.22	3.72	2.78	4.63	2.62	4.36	7.69	9.67	7.37	7.71	9.63	7.35	5.11	6.46	6.25	5.11	6.46	6.27	4.50	5.73	5.82	4.51	5.70	5.81	4.33	5.31	4.75	4.33	5.29	4.73
			L_7 - L_8	1.95	3.27	2.49	4.16	2.46	4.11	1.94	3.26	2.51	4.16	2.48	4.12	7.55	9.23	7.31	7.51	9.23	7.31	4.81	5.76	6.75	4.87	5.76	6.70	4.18	5.23	5.85	4.20	5.23	5.86	3.94	5.31	5.22	3.95	5.31	5.18
			L_8 - L_9	2.21	3.69	2.86	4.76	2.96	4.90	2.22	3.69	2.86	4.76	2.94	4.90	8.12	10.23	8.70	8.15	10.23	8.69	5.29	6.88	6.74	5.30	6.88	6.75	4.60	5.95	6.95	4.62	5.95	6.95	4.37	6.08	5.55	4.38	6.08	5.52
			L_9 - L_{10}	2.73	4.57	3.48	5.78	3.19	5.35	2.75	4.54	3.48	5.78	3.21	5.31	9.91	12.22	8.95	9.91	12.22	9.00	6.79	8.43	9.33	6.78	8.43	9.18	6.27	7.45	7.81	6.23	7.45	7.85	5.08	6.58	5.85	5.10	6.58	5.86
			L_{10} - L_{11}	1.98	3.30	2.61	4.34	1.95	3.23	1.99	3.29	2.60	4.31	1.95	3.20	8.06	10.08	5.76	8.07	9.98	5.73	5.41	6.61	5.53	5.34	6.61	5.51	4.55	5.73	4.72	4.55	5.73	4.76	3.47	4.45	3.56	3.49	4.46	3.54
			L_{11} - L_{12}	2.01	3.33	2.46	4.13	2.05	3.41	2.00	3.33	2.45	4.09	2.07	3.46	10.55	12.07	5.41	10.64	12.07	5.45	6.80	8.14	4.18	6.77	8.07	4.14	5.83	7.00	3.71	5.87	7.00	3.72	4.46	5.42	3.83	4.47	5.42	3.79
			L_{12} - L_{13}	2.17	3.57	2.64	4.42	2.63	4.25	2.14	3.58	2.63	4.39	2.61	4.13	12.48	14.21	7.23	12.35	14.11	7.12	8.44	9.51	5.66	8.47	9.52	5.54	7.46	8.57	5.12	7.39	8.59	5.00	5.76	6.88	4.15	5.76	6.84	4.08
			L_{13} - L_{14}	1.51	2.52	1.78	2.96	1.81	3.03	1.51	2.53	1.76	2.94	1.79	3.01	11.20	14.73	5.79	11.05	14.73	5.77	7.28	9.55	4.67	7.23	9.55	4.66	6.25	8.08	4.25	6.25	8.08	4.24	4.55	6.19	3.52	4.55	6.19	3.52
			L_{14} - L_{15}	1.54	2.57	1.74	2.90	1.63	2.25	1.54	2.57	1.72	2.90	1.62	2.26	13.38	13.19	3.54	13.37	13.37	3.57	8.61	8.51	2.94	8.71	8.55	2.92	7.48	7.22	2.66	7.54	7.24	2.62	5.43	5.57	2.16	5.43	5.59	2.21
			L_{15} - L_{16}	1.96	3.26	2.41	4.03	2.48	4.12	1.95	3.24	2.42	4.03	2.47	4.16	12.82	15.97	7.30	12.83	15.98	7.26	8.93	10.12	6.15	8.93	10.50	6.17	7.51	9.34	5.60	7.54	9.34	5.51	5.55	7.18	4.65	5.34	7.17	4.61
			L_{16} - L_{17}	1.68	2.80	2.23	3.74	2.48	3.50	1.68	2.78	2.24	3.74	2.46	3.52	11.15	14.81	5.67	11.17	14.81	5.76	7.19	9.98	4.46	7.28	9.98	4.45	6.25	8.65	4.15	6.22	8.65	4.12	4.55	6.33	3.45	4.52	6.37	3.45
			L_{17} - L_{18}	1.86	3.10	2.70	4.52	2.49	3.33	1.86	3.10	2.69	4.52	2.53	3.35	7.95	10.54	5.68	7.97	10.55	5.68	5.14	6.94	4.31	5.24	6.95	4.32	4.45	6.09	3.89	4.49	6.10	3.90	3.36	4.79	4.80	3.37	4.80	4.80
			L_{18} - L_{19}	1.95	3.26	2.74	4.58	3.03	5.04	1.96	3.28	2.73	4.53	3.02	5.05	7.52	10.40	6.90	7.57	10.40	6.87	4.94	7.11	7.71	4.96	6.91	7.67	4.30	5.91	6.57	4.31	5.91	6.57	3.21	4.67	4.86	3.21	4.67	4.88
			L_{19} - L_{20}	2.55	4.23	3.38	5.63	3.31	5.52	2.55	4.25	3.36	5.63	3.31	5.50	9.74	11.68	9.32	9.75	11.63	9.36	6.41	7.37	7.50	6.42	7.37	7.51	5.50	6.47	6.67	5.50	6.47	6.63	4.34	6.10	6.24	4.37	6.10	6.24
			L_{20} - L_{21}	3.09	5.12	3.39	5.62	3.46	5.76	3.06	5.08	3.36	5.62	3.46	5.76	10.82	11.27	12.56	10.73	11.31	12.51	7.01	7.67	8.46	6.97	7.67	8.53	6.20	6.85	7.77	6.13	6.85	7.73	6.08	6.63	6.23	6.07	6.62	6.22
			L_{21} - L_{22}	2.21	3.69	2.57	4.29	2.69	4.49	2.19	3.67	2.55	4.27	2.69	4.48	7.80	9.38	9.06	7.67	9.38	9.05	5.28	6.03	6.30	5.24	6.03	6.26	4.77	5.61	5.50	4.72	5.61	5.53	4.62	5.37	4.76	4.54	5.37	4.76
			L_{22} - L_{23}	2.34	3.93	2.59	4.33	2.74	4.59	2.32	3.88	2.59	4.31	2.80	4.61	8.35	8.95	9.64	8.21	8.95	9.68	5.74	5.99	6.70	5.68	5.99	6.71	4.69	5.36	6.00	4.65	5.37	6.02	4.59	5.42	5.17	4.54	5.45	5.17
	Unit 2	Span 8	L_{23} - L_{24}	2.94	4.89	3.14	5.21	3.88	6.47	2.91	4.82	3.14	5.21	3.88	6.47	10.37	10.88	14.11	10.28	10.88	14.13	7.00	7.37	9.40	6.89	7.44	9.39	6.16	6.61	8.21	6.08	6.64	8.29	6.04	6.97	7.41	5.98	6.97	7.41
			L_{24} - L_{25}	2.87	4.78	3.03	5.07	3.50	5.84	2.87	4.78	3.03	5.08	3.50	5.82	10.35	10.76	14.26	10.39	10.77	14.30	6.85	7.31	9.49	6.86	7.31	9.42	6.02	6.52	8.09	6.06	6.52	8.09	5.64	6.01	6.28	5.68	6.01	6.28
			L_{25} - L_{26}	2.77	4.61	3.00	5.02	2.49	4.13	2.79	4.64	2.97	4.98	2.48	4.11	10.32	10.79	6.88	10.31	10.75	6.91	7.01	7.07	5.43	6.89	7.11	6.87	5.81	6.14	5.89	5.81	6.14	5.87	4.50	4.86	4.33	4.51	4.84	4.31
			L_{26} - L_{27}	2.25	3.74	3.02	5.00	2.62	3.62	2.24	3.74	3.02	5.00	2.64	3.65	10.77	10.70	6.36	10.74	10.70	6.35	7.07	7.12	4.97	7.06	7.12	4.92	6.24	6.20	4.47	6.27	6.20	4.45	5.01	5.00	4.49	4.96	5.00	4.50
			L_{27} - L_{28}	2.04	3.40	2.50	4.17	2.41	4.03	2.04	3.40	2.52	4.20	2.38	3.99	11.59	14.61	6.82	11.55	14.70	6.69	7.42	9.91	5.37	7.40	9.93	5.36	6.52	8.70	4.91	6.50	8.67	4.89	4.81	6.96	4.00	4.84	6.97	3.99
			L_{28} - L_{29}	2.12	3.51	2.55	4.25	2.87	4.81	2.10	3.51	2.53	4.23	2.87	4.82	10.29	16.21	8.34	10.29	16.06	8.29	6.57	10.32	6.78	6.55	10.68	6.63	5.88	9.24	6.23	5.90	9.15	6.20	4.49	7.66	5.16	4.44	7.66	5.04
			L_{29} - L_{30}	1.68	2.81	1.85	3.08	2.02	3.39	1.69	2.81	1.87	3.10	2.00	3.33	10.44	13.54	6.47	10.29	13.49	6.46	6.77	8.66	5.43	6.76	8.53	5.41	5.88	7.43	4.96	5.86	7.35	4.93	4.39	5.75	4.21	4.35	5.74	4.14
			L_{30} - L_{31}	2.05	3.40	1.83	3.04	1.21	1.59	2.04	3.40	1.83	3.06	1.20	1.51	17.38	14.51	2.53	17.33	14.42	2.42	11.54	9.69	2.03	11.49	9.68	1.93	9.78	8.18	1.85	9.76	8.17	1.81	7.03	6.30	1.47	7.00	6.31	1.45
			L_{31} - L_{32}	2.78	4.59	2.71	4.54	2.10	3.49	2.74	4.53	2.71	4.49	2.09	3.49	18.08	15.83	6.83	17.67	15.94	6.72	12.33	10.64	5.44	11.81	10.65	5.41	10.18	8.96	4.91	10.01	8.96	4.91	7.83	7.48	4.23	7.90	7.49	4.22
			L_{32} - L_{33}	2.44	4.07	2.45	4.08	1.83	2.52	2.46	4.11	2.44	4.04	1.81	2.52	14.26	13.17	4.38	14.25	13.18	4.35	9.27	8.91	3.39	9.33	8.70	3.38	8.06	7.52	3.08	8.03	7.51	3.02	5.98	5.64	2.43	6.02	5.59	2.43
			L_{33} - L_{34}	2.62	4.37	2.56	4.26	2.00	3.34	2.62	4.38	2.54	4.26	1.98	3.29	10.79	10.42	5.39	10.78	10.32	5.38	7.12	7.00	4.03	7.15	6.91	4.03	6.14	5.86	4.85	6.13	5.85	4.81	4.63	4.61	3.66	4.67	4.60	3.65
			L_{34} - L_{35}	3.34	5.57	3.77	6.26	3.61	6.00	3.34	5.59	3.76	6.27	3.59	5.99	12.36	12.74	11.31	12.35	12.74	11.39	7.97	8.74	10.35	8.03	8.74	10.34	6.84	8.00	8.78	6.85	7.92	8.81	6.12	6.64	6.59	6.11	6.63	6.56
			L_{35} - L_{36}	2.65	4.40	3.13	5.21	3.34	5.56	2.65	4.39	3.12	5.21	3.33	5.56	9.59	10.61	9.44	9.62	10.61	9.40	6.16	7.17	8.13	6.15	7.17	8.11	5.46	6.55	6.79	5.43	6.55	6.82	5.38	5.87	6.00	5.40	5.87	6.02
			L_{36} - L_{37}	2.31	3.83	2.63	4.40	2.68	4.47	2.31	3.84	2.63	4.40	2.69	4.50	8.25	9.66	8.05	8.26	9.66	8.12	5.67	6.36	7.03	5.68	6.32	7.00	4.89	5.55	6.19	4.86	5.55	6.20	4.83	5.62	5.42	4.82	5.62	5.40
			L_{37} - L_{38}	2.36	3.94	2.83	4.69	2.90	4.80	2.36	3.94	2.80	4.69	2.88	4.80	8.77	9.36	7.95	8.71	9.39	7.89	5.59	6.26	7.02	5.56	6.31	6.99	4.80	5.55	6.22	4.80	5.55	6.18	4.39	5.51	5.30	4.39	5.51	5.29
			L_{38} - L_{39}	2.40	4.01	2.83	4.71	3.11	5.13	2.42	4.00	2.82	4.68	3.11	5.15	8.85	10.01	8.51	8.87	9.99	8.49	5.89	6.73	7.59	5.88	6.73	7.59	5.05	5.92	6.44	5.05	5.92	6.46	4.82	5.76	5.44	4.81	5.76	5.46
			L_{39} - L_{40}	2.51	4.21	2.87	4.75	3.51	5.85	2.53	4.18	2.86	4.78	3.54	5.85	9.04	9.98	9.66	9.05	9.97	9.66	6.15	6.77	8.44	6.17	6.71	8.44	5.18	5.89	7.46	5.20	5.87	7.46	4.50	5.39	6.20	4.53	5.45	6.20
			L_{40} - L_{41}	2.34	3.93	2.56	4.26	3.47	5.72	2.35	3.91	2.56	4.25	3.40	5.68	8.70	9.32	9.49	8.60	9.30	9.40	5.72	6.09	8.31	5.71	6.12	8.19	4.97	5.35	7.24	5.00	5.38	7.16	4.32	5.06	5.89	4.36	5.05	5.80
			L_{41} - L_{42}	2.86	4.78	2.99	4.95	4.61	7.59	2.85	4.76	2.96	4.95	4.50	7.52	9.69	9.82	13.66	9.77	9.84	13.33	6.44	6.50	10.80	6.41	6.52	10.68	5.76	5.86	9.27	5.76	5.89	9.12	5.18	5.53	7.40	5.20	5.52	7.23
			L_{42} - L_{43}	3.01	5.01	3.00	5.02	4.92	8.16	2.80	4.68	3.00	4.95	4.89	8.18	10.18	9.51	19.15	9.49	9.51	19.03	6.99	6.68	12.29	6.58	6.64	12.28	6.30	6.19	11.66	5.90	6.17	11.63	5.95	5.93	9.05	5.58	5.93	9.08
			L_{43} - L_{44}	6.73	11.22	10.71	17.72	13.12	16.76	6.73	11.24	10.86	18.14	13.25	16.67	25.26	31.73	24.24	25.19	31.75	24.03	17.73	22.63	19.85	17.89	22.24	19.67	14.95	20.93	18.09	15.05	20.87	18.16	12.53	18.72	15.74	12.63	18.74	15.77
	Unit 3	Span 10	L_{44}-L_1	5.84	9.80	7.23	12.11	4.46	5.57	5.71	9.52	7.21	12.02	4.42	5.47	25.41	22.18	9.05	24.44	22.07	8.94	16.66	16.52	7.31	15.96	16.54	7.20	14.35	15.32

HAM-471-0025

Truss Member Rating Summary
Structure Summary

				HS-20 Loading										2F1 Truck						3F1 Truck						4F1 Truck						5C1 Truck					
				As-Built						As-Inspected				As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected		
				North Truss		Center Truss		South Truss		North Truss		Center Truss		South Truss		North			North			North			North			North			North			North		
				Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.
Verticals	Unit 1	Span 5	U_0 - L_0	1.00	1.66	0.71	1.19	1.03	1.73	0.84	1.41	0.71	1.19	1.03	1.72	3.70	2.82	2.85	3.12	2.82	2.82	2.35	1.70	2.45	1.98	1.70	2.45	2.13	1.52	2.17	1.82	1.53	2.17	2.03	1.40	2.00	1.70	1.39	2.00
			U_1 - L_1	1.77	2.95	1.84	3.05	2.09	3.48	1.78	2.95	1.84	3.05	2.08	3.47	6.45	6.29	5.27	6.45	6.29	5.28	4.16	4.46	4.48	4.16	4.46	4.47	3.75	3.78	3.75	3.75	3.77	3.76	3.93	4.33	3.98	3.93	4.37	3.97
			U_2 - L_2	2.81	4.69	2.73	4.55	2.65	4.44	2.82	4.69	2.73	4.56	2.66	4.44	9.23	9.25	9.09	9.19	9.21	9.11	6.33	6.27	5.33	6.36	6.25	5.35	5.55	5.62	4.81	5.54	5.59	4.83	5.17	6.32	5.84	5.15	6.32	5.80
			U_3 - L_3	4.40	7.38	3.58	5.97	3.19	5.28	4.40	7.39	3.58	5.97	3.18	5.31	13.55	12.18	8.82	13.61	12.18	8.81	8.40	7.54	7.30	8.35	7.50	7.35	7.32	7.30	6.40	7.36	7.30	6.36	7.12	9.20	6.46	7.12	9.20	6.42
			U_4 - L_4	2.59	4.31	2.35	3.90	2.03	3.37	2.58	4.32	2.35	3.92	2.04	3.39	7.75	7.09	8.05	7.76	7.04	8.05	4.45	4.62	6.09	4.46	4.65	6.05	4.03	4.75	5.28	4.04	4.77	5.30	4.62	5.52	5.30	4.63	5.52	5.34
			U_5 - L_5	1.60	2.66	1.89	3.15	2.08	3.47	1.60	2.68	1.88	3.14	2.09	3.47	5.60	5.86	3.68	5.55	5.86	3.68	3.61	4.01	2.85	3.61	4.01	2.85	3.15	3.62	2.61	3.15	3.62	2.61	3.40	3.97	2.47	3.40	3.94	2.47
			U_6 - L_6	1.53	2.56	1.61	2.70	1.71	2.26	1.40	2.34	1.63	2.70	1.72	2.27	5.01	5.95	3.23	4.51	5.95	3.24	3.44	4.06	2.90	3.11	4.06	2.90	3.02	3.68	2.64	2.75	3.68	2.64	2.81	3.87	2.29	2.56	3.86	2.28
			U_7 - L_7	1.05	1.74	1.13	1.87	1.44	1.84	0.94	1.57	1.13	1.88	1.43	1.84	3.74	4.13	2.33	3.34	4.14	2.32	2.53	2.85	2.26	2.27	2.81	2.26	2.21	2.49	2.06	1.98	2.51	2.06	1.99	2.52	1.82	1.79	2.52	1.82
			U_8 - L_8	2.19	3.65	2.38	3.96	3.16	3.94	2.18	3.63	2.38	3.96	3.14	3.92	8.20	9.01	7.09	8.16	9.01	7.02	5.52	6.01	4.95	5.52	6.05	4.97	4.79	5.15	5.11	4.77	5.15	5.09	4.07	4.53	4.06	4.07	4.53	4.07
		Span 6	U_9 - L_9	1.63	2.73	1.49	2.48	1.52	1.89	1.55	2.57	1.48	2.47	1.51	1.89	6.22	5.41	2.76	5.89	5.39	2.76	3.82	3.41	2.18	3.64	3.42	2.15	3.34	3.18	1.95	3.20	3.17	1.95	2.92	2.80	2.82	2.78	2.79	2.80
			U_{10} - L_{10}	1.73	2.89	2.36	3.90	2.31	3.85	1.57	2.62	2.35	3.90	2.31	3.86	6.41	8.36	4.82	5.81	8.36	4.80	4.20	5.82	3.73	3.78	5.82	3.73	3.98	4.96	3.34	3.59	4.96	3.35	3.93	4.59	3.00	3.60	4.59	3.03
			U_{11} - L_{11}	1.87	3.14	2.20	3.71	2.14	3.55	1.87	3.14	2.21	3.66	2.13	3.53	7.49	7.82	6.25	7.49	7.82	6.24	4.58	5.24	4.27	4.60	5.23	4.30	4.27	4.58	4.20	4.27	4.58	4.21	3.52	4.23	4.27	3.52	4.29	4.30
			U_{12} - L_{12}	1.83	3.05	2.01	3.36	1.85	3.08	1.84	3.05	2.01	3.36	1.87	3.08	6.93	7.38	4.19	6.90	7.38	4.18	4.58	4.84	3.23	4.58	4.80	3.23	3.80	4.40	3.19	3.81	4.44	3.21	3.34	4.10	3.57	3.40	4.09	3.57
			U_{13} - L_{13}	1.44	2.40	1.60	2.67	2.06	3.44	1.43	2.40	1.60	2.65	2.06	3.42	5.44	5.65	3.67	5.40	5.67	3.69	3.53	3.87	3.27	3.49	3.87	3.22	3.08	3.30	3.50	3.08	3.31	3.50	2.79	3.28	3.91	2.80	3.29	3.91
			U_{14} - L_{14}	2.66	4.44	2.60	4.34	2.18	3.62	2.66	4.43	2.60	4.34	2.17	3.61	7.08	7.29	8.84	7.09	7.29	8.82	4.75	5.01	5.43	4.74	5.01	5.44	4.66	4.74	4.79	4.69	4.74	4.81	4.64	5.57	5.03	4.65	5.57	5.02
			U_{15} - L_{15}	2.70	4.49	2.76	4.63	3.30	5.50	2.70	4.50	2.78	4.61	3.30	5.50	8.61	8.60	9.20	8.63	8.60	9.13	5.76	5.92	8.17	5.76	5.93	8.18	5.11	5.29	7.38	5.11	5.30	7.38	5.01	5.43	6.58	5.01	5.43	6.57
			U_{16} - L_{16}	1.72	2.87	2.13	3.56	2.76	4.59	1.72	2.86	2.13	3.53	2.75	4.57	6.03	6.88	4.40	6.02	6.91	4.36	4.07	4.76	4.06	4.06	4.78	4.08	3.59	4.27	5.96	3.59	4.27	5.95	3.35	4.15	5.04	3.35	4.16	5.02
			U_{17} - L_{17}	1.34	2.25	1.72	2.87	1.90	3.18	1.34	2.23	1.72	2.87	1.92	3.19	4.32	5.61	2.79	4.32	5.61	2.78	2.98	3.76	2.36	2.98	3.76	2.36	2.64	3.37	3.95	2.64	3.37	3.95	2.43	3.29	3.32	2.41	3.29	3.33
			U_{18} - L_{18}	1.48	2.43	1.82	3.01	2.63	4.36	1.48	2.44	1.80	3.02	2.61	4.38	5.06	6.12	3.50	5.08	6.14	3.52	3.38	4.13	2.87	3.38	4.13	2.85	2.96	3.67	2.61	2.95	3.67	2.62	2.54	3.55	4.44	2.53	3.55	4.49
			U_{19} - L_{19}	1.64	2.73	1.89	3.19	2.15	2.69	1.64	2.73	1.90	3.17	2.15	2.68	5.86	6.88	4.17	5.86	6.86	4.18	3.92	4.69	3.39	3.92	4.69	3.39	3.40	4.19	3.10	3.40	4.18	3.10	2.84	3.89	2.66	2.84	3.89	2.65
			U_{20} - L_{20}	1.20	2.01	1.46	2.44	1.55	1.95	1.12	1.86	1.47	2.46	1.03	1.29	4.40	4.50	4.64	4.10	4.50	3.43	3.00	3.16	3.77	2.81	3.15	2.78	2.63	2.86	2.24	2.44	2.85	1.48	2.04	2.68	1.89	1.90	2.68	1.23
		Span 7	U_0 - L_0	1.83	3.04	1.49	2.49	1.41	2.36	1.67	2.79	1.48	2.48	1.41	2.35	5.54	4.58	3.87	5.07	4.59	3.89	4.23	3.26	2.68	3.92	3.25	2.70	3.38	2.74	2.73	3.08	2.75	2.74	3.43	2.78	2.47	3.17	2.76	2.46
			U_1 - L_1	2.20	3.66	2.18	3.65	2.43	4.02	2.19	3.64	2.19	3.67	2.42	4.05	8.32	6.32	4.39	8.30	6.40	4.37	5.24	4.96	3.36	5.22	4.95	3.37	4.64	3.96	4.31	4.66	3.98	4.31	3.95	3.53	3.58	3.95	3.57	3.60
			U_2 - L_2	1.93	3.22	2.01	3.35	2.06	3.43	1.93	3.21	2.00	3.32	2.06	3.46	7.08	6.97	3.97	7.07	6.97	3.92	4.64	4.99	3.14	4.64	4.96	3.14	4.22	4.09	4.84	4.23	4.12	4.86	3.45	3.92	3.35	3.45	3.89	3.35
			U_3 - L_3	1.66	2.77	1.84	3.07	1.64	2.74	1.68	2.77	1.84	3.07	1.64	2.72	5.80	6.34	3.17	5.80	6.34	3.16	4.12	4.25	3.65	4.12	4.25	3.66	3.44	3.80	3.86	3.44	3.80	3.89	2.99	3.61	3.17	2.99	3.61	3.17
			U_4 - L_4	1.72	2.86	1.80	3.01	2.38	3.97	1.72	2.88	1.80	3.00	2.37	3.95	6.53	6.56	5.00	6.49	6.57	4.97	4.03	4.43	5.20	4.05	4.43	5.24	3.65	3.98	3.93	3.63	3.98	3.92	3.18	3.74	3.46	3.20	3.74	3.45
			U_5 - L_5	2.05	3.43	2.36	3.95	3.04	5.06	2.05	3.44	2.36	3.95	3.04	5.06	7.38	8.48	11.12	7.36	8.48	11.13	4.86	5.91	6.34	4.87	5.91	6.33	4.63	4.95	7.40	4.64	4.95	7.41	3.98	4.95	5.62	3.99	4.94	5.62
			U_6 - L_6	3.13	5.26	3.26	5.43	2.78	4.64	3.15	5.21	3.29	5.49	2.78	4.64	8.00	10.21	9.38	7.96	10.25	9.39	6.60	7.21	9.01	6.63	7.21	8.96	5.25	6.28	6.55	5.25	6.32	6.53	5.62	6.67	5.83	5.63	6.68	5.82
			U_7 - L_7	2.58	4.33	2.67	4.42	2.78	4.63	2.59	4.33	2.67	4.46	2.76	4.63	7.07	7.12	8.98	7.09	7.07	8.97	5.38	5.62	6.04	5.38	5.57	6.03	4.37	4.97	5.93	4.37	4.94	5.93	4.62	5.36	6.04	4.63	5.31	6.02
			U_8 - L_8	1.92	3.21	2.06	3.44	2.39	3.98	1.94	3.21	2.07	3.44	2.39	3.98	6.75	7.00	4.14	6.76	7.00	4.17	4.53	4.76	5.79	4.52	4.76	5.79	3.97	4.19	4.95	3.99	4.19	4.99	3.53	3.78	4.09	3.53	3.78	4.07
			U_9 - L_9	2.29	3.81	2.67	4.44	2.63	4.38	2.29	3.82	2.67	4.44	2.63	4.38	8.50	8.54	5.31	8.48	8.54	5.32	5.67	5.71	7.29	5.67	5.70	7.30	4.85	5.09	6.30	4.86	5.09	6.30	3.98	4.57	5.09	3.98	4.57	5.06
			U_{10} - L_{10}	2.36	3.92	2.71	4.51	2.92	4.88	2.36	3.94	2.72	4.51	2.91	4.86	8.15	9.03	5.10	8.16	9.03	5.05	5.41	6.07	3.81	5.41	6.07	3.82	4.80	5.36	6.32	4.80	5.38	6.37	3.99	4.80	4.82	3.99	4.79	4.82
			U_{11} - L_{11}	2.08	3.48	2.24	3.74	2.25	3.71	2.08	3.48	2.24	3.77	2.23	3.71	7.63	8.26	4.09	7.63	8.26	4.09	5.04	5.64	3.06	5.04	5.57	3.06	4.36	4.91	5.21	4.36	4.93	5.21	3.53	4.36	3.97	3.53	4.33	3.97
			U_{12} - L_{12}	2.14	3.58	2.35	3.97	2.34	3.91	2.14	3.56	2.35	3.96	2.31	3.85	8.09	8.19	3.15	8.03	8.21	3.14	5.06	5.51	3.06	5.00	5.53	3.11	4.43	4.89	2.79	4.44	4.89	2.77	3.56	4.31	3.94	3.55	4.30	3.92
			U_{13} - L_{13}	1.72	2.87	1.65	2.76	2.51	4.19	1.73	2.87	1.65	2.76	2.51	4.23	6.37	6.14	2.82	6.37	6.14	2.82	4.00	4.18	2.68	4.00	4.18	2.69	3.51	3.69	2.41	3.52	3.69	2.43	2.84	3.28	4.18	2.86	3.27	4.13
			U_{14} - L_{14}	2.20	3.65	2.16	3.63	3.05	5.07	2.21	3.68	2.17	3.63	3.06	5.06	9.81	9.41	8.35	9.75	9.36	8.34	6.55	6.18	6.34	6.52	6.20	6.34	5.32	5.38	5.52	5.32	5.36	5.48	4.10	4.51	4.84	4.10	4.48	4.83
			U_{15} - L_{15}	2.61	4.35	2.25	3.75	2.29	3.84	2.60	4.34	2.25	3.77	2.29	3.84	9.53	7.83	4.38	9.55	7.83	4.32	6.20	5.19	3.31	6.21	5.19	3.30	5.10	4.52	5.38	5.07	4.52	5.39	5.42	3.87	4.26	5.40	3.86	4.26
			U_{16} - L_{16}	2.03	3.39	2.13	3.55	2.55	4.25	2.03	3.38	2.13	3.56	2.56	4.25	7.67	7.87	4.90	7.67	7.87	4.88	4.76	5.10	3.64	4.76	5.14	3.71	4.21	4.62	4.51	4.21	4.59	4.55	3.76	4.32	3.71	3.72	4.32	3.75
			U_{17} - L_{17}	1.95	3.24	2.05	3.42	2.33	3.88	1.95	3.24	2.05	3.39	2.33	3.88	8.04	7.07	4.59	8.04	7.08	4.54	4.69	4.95	5.16	4.71	5.00	5.16	4.32	4.18	5.41	4.32	4.17	5.42	3.76	3.94	3.83	3.80	3.93	3.85
			U_{18} - L_{18}	1.81	3.03	2.01	3.35	1.78	2.97	1.81	3.02	2.01	3.36	1.78	2.97	7.14	7.19	4.50	7.18	7.20	4.53	4.95	4.79	3.64	4.95	4.79	3.67	4.21	4.21	4.94	4.22	4.21	4.93	3.52	4.03	4.03	3.54	4.05	4.00
			U_{19} - L_{19}	1.75	2.92	1.82	3.03	2.37	3.92	1.77	2.94	1.82	3.01	2.36	3.94	6.62	6.59	4.75	6.61	6.59	4.75	4.33	4.39	5.64	4.33	4.39	5.67	3.76	4.04	4.36	3.77	4.04	4.33	3.22	3.73	3.80	3.24	3.73	3.82
			U_{20} - L_{20}	1.71	2.86	1.80	3.00	2.11	3.52	1.70	2.85	1.80	3.00	2.12	3.52	6.35	6.40	4.60	6.36	6.40	4.60	4.26	4.49	3.74	4.27	4.49	3.74	3.79	3.76	5.15	3.81	3.76	5.18	3.26	3.68	3.89	3.27	3.68	3.88
	Unit 2	Span 8	U_{21} - L_{21}	2.01	3.36	2.05	3.45	2.42	3.99	2.00	3.36	2.05	3.45	2.40	3.99	6.39	6.89	6.91	6.39	6.89	6.91	4.84	4.70	5.28	4.82	4.70	5.28	3.95	4.05	5.81	3.96	4.05	5.81	3.56	4.13	5.02	3.57	4.13	5.02
			U_{22} - L_{22}	2.66	4.43	3.02	5.03	2.30	3.84	2.66	4.43	3.04	5.02	2.30	3.84	7.25	8.07	8.36	7.25	8.06	8.35	5.48	5.41	5.68	5.49	5.43	5.67	4.44	4.93	5.53	4.41	4.92	5.52	4.66	5.81	5.61	4.66	5.81	5.63
			U_{23} - L_{23}	2.18	3.63	2.41	4.03	3.01	5.02	2.18	3.62	2.41	4.03	3.01	5.05	7.53	7.88	5.23	7.57	7.82	5.25	5.06	5.42	6.92	5.07	5.41	6.94	4.47	4.74	6.21	4.49	4.73	6.20	4.06	4.50	5.07	4.07	4.51	5.06
			U_{24} - L_{24}	1.81	3.00	2.17	3.60	1.87	3.13	1.80	3.00	2.16	3.60	1.87	3.14	6.58	6.75	3.95	6.57	6.75	3.97	4.41	4.54	3.03	4.41	4.53	3.03	3.84	4.04	5.00	3.81	4.04	4.99	3.20	3.81	4.12	3.20	3.81	4.14
			U_{25} - L_{25}	1.78	2.96	2.01	3.33	2.31	3.86	1.78	2.97	2.01	3.33	2.32	3.86	6.23	6.50	4.09	6.22	6.50	4.09	4.12	4.43	3.18	4.12	4.43	3.18	3.59	3.92	4.96	3.59	3.92	4.96	3.05	3.66	3.97	3.04	3.66	3.97
			U_{26} - L_{26}	1.90	3.17	2.02	3.34	1.90	3.15	1.90	3.16	2.00	3.34	1.88	3.15	7.10	7.27	4.19	7.10	7.26	4.19	4.74	4.96	3.55	4.76	4.97	3.55	4.13	4.40	5.55	4.12	4.38	5.55	3.44	3.98	4.38	3.44	3.96	4.38
			U_{27} - L_{27}	2.04	3.41	2.07	3.47	2.37	3.95	2.04	3.40	2.07	3.47	2.38	3.95	7.72	7.02	4.37	7.70	7.00	4.37	5.10	4.74	3.36	5.12	4.74	3.36	4.38	4.25	5.96	4.39	4.25	5.96	3.52	3.86	4.72	3.52	3.86	4.72
			U_{28} - L_{28}	1.97	3.28	1.91	3.16	2.57	4.26	1.98	3.29	1.89	3.16	2.54	4.27	7.93	7.22	4.31	7.94	7.21	4.33	5.26	4.86	3.76	5.26	4.87	3.76	4.60	4.32	3.37	4.58	4.32	3.37	3.71	3.87	4.45	3.71	3.87	4.43
			U_{29} - L_{29}	2.18	3.63	2.10	3.50	3.91	6.46	2.18	3.63	2.09	3.48	3.89	6.45	8.84	7.57	4.96	8.84	7.57	4.95	5.93	5.15	3.93	5.93	5.15	3.92	4.86	4.53	4.03	4.86	4.53	4.02	4.00	4.04	6.21	4.00	4.04	6.16
			U_{30} - L_{30}	2.43	4.07	2.21	3.70	3.08	4.32	2.39	3.98	2.21	3.67	2.91	4.04	10.41	9.75	7.70	10.29	9.73	7.19	6.99	6.36	5.45	6.86	6.36	5.09	6.22	5.57	5.06	6.07	5.52	4.73	5.32	4.76	4.63	5.21	4.73	4.33
			U_{31} - L_{31}	2.23	3.72	1.95	3.24	2.09	3.49	2.22	3.71	1.94	3.24	2.09	3.48	8.49	7.22	2.59	8.48	7.25	2.59	5.22	4.63	1.98	5.24	4.68	1.96	4.66	4.25	3.69	4.67	4.23	3.67	4.07	3.25	3.00	4.08	3.24	3.01
			U_{32} - L_{32}	2.16	3.60	2.50	4.17	2.24	3.73	2.16	3.60	2.50	4.17	2.22	3.69	7.90	8.69	4.16	7.84	8.69	4.14	5.29	6.25	3.14	5.28	6.19	3.13	4.79	5.19	5.40	4.82	5.19	5.42	4.56	4.71	4.13	4.56	4.71	4.14
			U_{33} - L_{33}	2.35	3.90	2.31	3.86	2.00	3.33	2.32	3.87	2.31	3.85	1.99	3.33	7.62	8.69	4.38	7.56	8.62	4.40	5.58	5.75	3.49	5.53	5.78	3.47	5.41	5.09	4.88	5.36	5.09	4.87	4.42	4.75	3.83	4.36	4.75	3.83
			U_{34} - L_{34}	2.72	4.56	2.62	4.35	2.67	4.50	2.72	4.58	2.62	4.36	2.69	4.48	10.51	9.78	5.05	10.49	9.72	5.06	6.86	6.43	4.27	6.90	6.44	4.27	5.32	5.94	4.59	5.31	5.93	4.58	4.79	5.23	3.83	4.80	5.23	3.85
			U_{35} - L_{35}	2.41	4.00	2.47	4.09	2.49	4.14	2.42	4.04	2.47	4.09	2.49	4.14	9.22	8.68	5.87	9.22	8.68	5.84	6.15	6.05	4.51	6.14	6.05	4.55	5.23	5.09	6.13	5.28	5.04	6.13	4.31	4.75	4.14	4.29	4.75	4.14
			U_{36} - L_{36}	2.00	3.33	2.02	3.36	2.12	3.57	2.00	3.34	2.00	3.36	2.14	3.56	7.21	6.98	5.03	7.22	6.98	4.97	4.88	4.62	4.32	4.90	4.62	4.25	4.22	4.05	5.17	4.20	4.05	5.17	3.66	3.95	4.18	3.67	3.95	4.18
			U_{37} - L_{37}	2.80	4.67	2.45	4.08	2.73	4.57	2.80	4.68	2.45	4.08	2.73	4.57	7.15	7.00	7.83	7.22	7.01	7.83	5.61	4.72	5.34	5.63	4.71	5.34	4.39	4.15	5.28	4.38	4.19	5.28	4.77	5.15	5.25	4.80	5.18	5.25
			U_{38} - L_{38}	2.88	4.80	2.57	4.28	4.72	7.86	2.88	4.80	2.57	4.27	4.69	7.85	8.90	8.25	12.25	8.93	8.23	12.24	6.37	5.84	9.07	6.35	5.83	9.06	5.45	4.97	8.41	5.44	4.98	8.41	5.89	5.54	9.17	5.90	5.52	9.15
			U_{39} - L_{39}	2.65	4.42	2.88	4.84	3.52	5.85	2.65	4.43	2.88	4.84	3.53	5.87	9.55	9.07	9.15	9.53	9.07	9.15	6.26	6.10	8.59	6.28	6.10	8.63	5.51	5.42	7.73	5.54	5.42	7.68	4.83	5.13	6.78	4.83	5.13	6.79
			U_{40} - L_{40}	1.92	3.18	2.17	3.61	2.49	4.18	1.92	3.20	2.17	3.64	2.47	4.15	6.60	6.95	4.48	6.61	6.96	4.48	4.38	4.67	6.02	4.38	4.70	6.03	3.83	4.16	5.27	3.82	4.18	5.30	3.33	3.94	4.25	3.33	3.95	4.26
			U_{41} - L_{41}	1.68	2.80	1.96	3.29	2.07	3.46	1.69	2.79	1.96	3.25	2.07	3.46	6.39	6.76	2.98	6.39	6.76	2.98	4.27	4.62	5.04	4.27	4.62	5.04	3.72	4.08	4.36	3.73	4.08	4.36	3.16	3.72	3.43	3.17	3.72	3.46
			U_{42} - L_{42}	1.91	3.19	2.16	3.60	2.71	4.50	1.91	3.20	2.15	3.61	2.71	4.51	7.11	7.01	3.84	7.14	7.01	3.84	4.74	4.74	3.30	4.75	4.75	3.33	4.07	4.21	5.82	4.08	4.22	5.81	3.28	3.87	4.51	3.28	3.87	4.51
			U_{43} - L_{43}	2.10	3.50	2.22	3.67	3.30	5.51	2.10	3.48	2.22	3.67	3.30	5.48	7.43	7.24	4.22	7.39	7.33	4.29	4.93	4.88	3.44	4.94	4.85	3.44	4.29	4.30	3.12	4.31	4.30

HAM-471-0025
Truss Member Rating Summary
Structure Summary

	HS-20 Loading												2F1 Truck						3F1 Truck						4F1 Truck						5C1 Truck					
	As-Built						As-Inspected						As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected		
	North Truss		Center Truss		South Truss		North Truss		Center Truss		South Truss		North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South
	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.
U_{18} - L_{18}	2.42	4.07	2.82	4.69	4.50	7.50	2.42	4.07	2.82	4.70	4.48	7.48	9.25	9.61	9.62	9.28	9.69	9.65	6.20	6.44	10.06	6.21	6.47	10.00	5.68	5.76	9.66	5.67	5.74	9.69	5.20	6.04	7.76	5.22	6.07	7.75
U_{19} - L_{19}	1.74	2.89	1.99	3.30	2.87	3.59	1.74	2.88	1.99	3.30	2.85	3.56	5.82	6.31	5.30	5.81	6.31	5.29	3.90	4.37	4.34	3.90	4.37	4.35	3.42	3.90	4.01	3.42	3.90	4.01	3.35	4.15	3.73	3.34	4.15	3.74
U_{20} - L_{20}	0.91	1.51	0.77	1.29	1.33	1.66	0.91	1.51	0.77	1.29	1.33	1.66	3.28	3.10	2.23	3.28	3.10	2.24	2.28	2.02	1.87	2.30	2.02	1.87	1.91	1.72	1.73	1.91	1.72	1.76	1.66	1.54	1.59	1.65	1.54	1.59

HAM-471-0025

Truss Member Rating Summary
Structure Summary

				HS-20 Loading												2F1 Truck						3F1 Truck						4F1 Truck						5C1 Truck					
				As-Built						As-Inspected						As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected			As-Built			As-Inspected		
				North Truss		Center Truss		South Truss		North Truss		Center Truss		South Truss		North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South	North	Center	South
				Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Inv.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.	Oper.
Diagonals	Unit 1	Span 5	U_0 - L_1	2.19	3.65	2.25	3.76	2.77	4.60	2.19	3.65	2.25	3.72	2.76	4.58	7.89	7.61	7.40	7.89	7.61	7.34	4.81	5.43	5.87	4.78	5.43	5.87	4.40	4.71	4.73	4.35	4.75	4.77	4.53	5.25	4.34	4.51	5.26	4.35
			U_1 - L_2	2.21	3.66	2.36	3.94	2.67	4.47	2.20	3.69	2.36	3.94	2.68	4.45	7.11	7.69	7.17	7.14	7.67	7.17	4.98	5.42	6.37	4.96	5.43	6.39	4.29	4.63	5.78	4.28	4.62	5.83	4.34	5.27	5.60	4.35	5.28	5.59
			U_2 - L_3	3.40	5.64	2.74	4.58	3.51	5.83	3.39	5.65	2.74	4.58	3.52	5.89	12.10	8.63	12.55	12.14	8.63	12.56	7.46	6.45	9.06	7.48	6.45	9.07	6.70	6.36	7.39	6.71	6.36	7.40	7.46	7.27	7.58	7.48	7.27	7.57
			U_3 - L_4	2.03	3.38	1.54	2.56	2.34	3.92	2.02	3.37	1.54	2.56	2.34	3.90	5.78	5.25	6.85	5.77	5.25	6.86	4.15	3.76	5.39	4.15	3.76	5.34	3.77	3.57	4.86	3.77	3.57	4.89	4.49	4.07	5.50	4.49	4.07	5.04
			U_4 - L_4	1.66	2.76	2.11	3.51	2.81	4.69	1.64	2.73	2.11	3.51	2.82	4.69	5.47	7.59	7.02	5.39	7.59	7.04	4.10	5.14	7.41	4.02	5.11	7.35	3.37	4.55	6.34	3.34	4.55	6.32	3.75	5.23	6.17	3.70	5.23	6.16
			U_5 - L_5	1.82	3.02	2.31	3.85	3.11	5.18	1.81	3.02	2.32	3.87	3.09	5.17	6.25	7.67	6.80	6.17	7.67	6.78	4.23	5.21	5.32	4.23	5.20	5.35	3.63	4.71	4.89	3.63	4.72	4.93	3.87	5.01	4.90	3.84	5.01	4.91
			U_6 - L_6	1.46	2.44	1.56	2.60	3.19	4.94	1.44	2.42	1.56	2.60	3.19	4.93	5.04	6.05	6.61	5.02	6.00	6.61	3.41	3.75	5.27	3.41	3.75	5.26	3.04	3.81	4.84	3.03	3.81	4.84	2.72	3.98	4.45	2.71	3.96	4.48
			U_7 - L_7	1.50	2.50	1.67	2.76	3.84	4.81	1.49	2.49	1.67	2.76	3.85	4.81	5.38	6.11	7.72	5.36	6.11	7.71	3.67	4.20	6.08	3.66	4.20	6.07	3.22	3.72	5.58	3.21	3.69	5.54	2.76	3.71	4.94	2.76	3.71	4.93
		Span 6	U_8 - L_8	2.63	4.35	2.34	3.93	3.04	4.58	2.62	4.35	2.36	3.93	3.01	4.60	9.90	8.73	7.17	9.95	8.76	7.16	5.90	5.46	5.47	5.94	5.46	5.43	5.28	5.08	4.82	5.28	5.08	4.83	4.46	4.53	5.06	4.48	4.58	5.06
			U_9 - L_{10}	2.55	4.22	2.50	4.14	2.88	4.82	2.51	4.22	2.50	4.14	2.89	4.82	9.76	8.78	7.24	9.73	8.78	7.13	5.98	6.07	5.37	5.93	6.07	5.33	5.32	5.34	4.82	5.32	5.27	4.82	4.66	4.94	4.91	4.69	4.94	4.92
			U_{10} - L_{11}	2.44	4.08	2.68	4.48	2.85	4.66	2.45	4.09	2.71	4.48	2.86	4.67	8.67	9.48	7.11	8.66	9.48	7.11	6.10	6.40	5.30	6.03	6.40	5.30	5.06	5.49	4.98	5.03	5.49	4.97	4.13	5.21	5.10	4.14	5.21	5.17
			U_{11} - L_{12}	2.08	3.47	2.33	3.91	2.43	4.02	2.09	3.49	2.33	3.90	2.42	4.05	8.02	8.51	6.58	8.02	8.50	6.57	5.02	5.36	5.11	5.05	5.32	5.16	4.40	4.95	4.99	4.41	4.98	4.94	3.77	4.83	4.58	3.78	4.81	4.58
			U_{12} - L_{13}	1.74	2.89	1.87	3.14	2.62	4.36	1.74	2.90	1.87	3.14	2.64	4.41	6.47	6.61	6.57	6.43	6.61	6.54	4.30	4.46	4.82	4.30	4.40	4.86	3.87	3.95	5.19	3.83	3.95	5.23	3.42	3.77	4.66	3.42	3.77	4.69
			U_{13} - L_{14}	1.69	2.80	1.62	2.69	2.38	3.97	1.68	2.79	1.62	2.69	2.38	3.97	5.89	5.58	6.27	5.87	5.58	6.27	4.07	3.84	5.34	4.03	3.84	5.34	3.37	3.34	4.82	3.35	3.34	4.82	3.22	3.34	4.79	3.21	3.29	4.74
			U_{14} - L_{15}	2.12	3.52	1.94	3.22	3.76	6.27	2.11	3.53	1.94	3.22	3.79	6.28	7.47	6.91	12.23	7.48	6.90	12.26	4.69	4.38	9.75	4.66	4.37	9.75	4.46	4.05	8.00	4.48	4.05	8.01	4.76	4.67	8.42	4.76	4.64	8.40
			U_{15} - L_{15}	1.85	3.10	2.35	3.89	3.52	5.87	1.85	3.11	2.35	3.89	3.53	5.84	5.98	7.86	7.95	5.99	7.86	7.94	3.85	5.27	7.47	3.84	5.22	7.38	3.71	4.86	7.70	3.72	4.86	7.67	3.58	4.94	6.92	3.58	4.95	6.86
			U_{17} - L_{16}	1.33	2.21	1.86	3.09	2.28	3.79	1.33	2.21	1.86	3.10	2.28	3.79	4.87	6.53	5.04	4.87	6.51	5.05	3.34	4.66	5.44	3.34	4.66	5.45	2.89	3.99	4.77	2.89	4.01	4.74	2.58	3.97	4.05	2.58	3.97	4.06
			U_{18} - L_{17}	1.49	2.46	2.12	3.52	2.64	4.40	1.49	2.46	2.12	3.52	2.62	4.40	5.45	6.51	5.38	5.45	6.51	5.38	3.60	4.74	4.23	3.60	4.74	4.23	3.11	4.14	5.46	3.11	4.14	5.46	2.69	4.24	4.58	2.69	4.24	4.58
			U_{19} - L_{18}	1.45	2.42	2.04	3.40	2.84	4.70	1.45	2.40	2.04	3.39	2.84	4.70	5.14	6.93	5.82	5.15	6.89	5.82	3.43	4.67	4.56	3.44	4.63	4.56	3.01	4.33	4.09	3.01	4.33	4.16	2.56	4.14	4.80	2.55	4.14	4.80
			U_{20} - L_{19}	1.54	2.60	1.96	3.24	3.11	3.88	1.54	2.57	1.95	3.25	3.03	3.80	5.83	6.85	6.29	5.80	6.80	6.17	3.85	4.90	4.99	3.91	4.82	4.88	3.40	4.21	4.52	3.39	4.21	4.45	2.74	3.73	3.86	2.75	3.70	3.84
		Span 7	U_0 - L_1	2.26	3.80	2.25	3.74	2.33	3.92	2.27	3.76	2.27	3.76	2.33	3.86	8.75	7.77	6.17	8.75	7.77	6.20	5.67	5.39	4.51	5.64	5.36	4.54	4.92	4.49	4.07	4.89	4.51	4.09	4.11	3.92	3.80	4.11	3.94	3.82
			U_1 - L_2	2.21	3.67	2.31	3.85	2.21	3.71	2.21	3.69	2.31	3.85	2.21	3.71	8.32	7.92	5.90	8.30	7.92	5.87	5.41	5.75	4.61	5.40	5.75	4.60	4.74	4.77	4.62	4.74	4.77	4.62	4.01	4.55	3.71	4.01	4.55	3.71
			U_2 - L_3	1.92	3.19	2.06	3.43	2.04	3.39	1.92	3.18	2.07	3.43	2.04	3.39	6.81	6.95	5.68	6.85	6.95	5.68	4.74	4.70	5.03	4.68	4.70	5.03	3.99	4.16	4.57	3.97	4.16	4.56	3.41	4.01	3.71	3.39	4.01	3.72
			U_3 - L_4	1.83	3.07	1.88	3.16	2.18	3.62	1.85	3.07	1.90	3.13	2.18	3.61	7.00	6.90	5.90	7.02	6.92	5.90	4.51	4.51	5.50	4.52	4.52	5.49	3.88	4.09	4.57	3.88	4.11	4.55	3.49	3.97	3.84	3.47	3.98	3.83
			U_4 - L_5	2.04	3.40	2.00	3.31	3.22	5.38	2.03	3.40	2.01	3.31	3.23	5.41	7.69	7.00	9.72	7.69	7.00	9.67	5.15	4.81	7.55	5.15	4.87	7.61	4.43	4.18	6.63	4.43	4.21	6.69	3.89	4.12	5.96	3.89	4.13	5.99
			U_5 - L_6	2.94	4.87	2.79	4.61	4.75	7.95	2.92	4.88	2.79	4.63	4.77	7.94	10.09	8.70	14.18	10.05	8.70	14.13	6.85	6.12	9.83	6.83	6.12	9.81	5.74	5.35	8.82	5.76	5.35	8.80	5.49	5.52	8.07	5.49	5.52	8.06
			U_6 - L_7	1.94	3.23	1.77	2.95	2.05	3.39	1.93	3.22	1.77	2.95	2.05	3.41	6.67	5.34	7.56	6.62	5.33	7.56	4.36	3.62	5.20	4.36	3.62	5.25	3.93	3.25	4.70	3.93	3.23	4.69	3.81	3.24	3.90	3.81	3.24	3.91
			U_7 - L_7	1.95	3.29	2.30	3.84	2.59	4.30	1.95	3.29	2.30	3.84	2.58	4.28	6.65	7.74	6.75	6.65	7.74	6.69	4.94	5.24	5.60	4.94	5.17	5.62	4.06	4.64	5.97	4.06	4.64	5.97	3.73	4.44	5.09	3.73	4.44	5.10
			U_8 - L_8	1.78	2.96	2.24	3.71	2.33	3.89	1.78	2.97	2.23	3.74	2.33	3.89	6.59	7.51	5.75	6.59	7.50	5.80	4.40	5.35	5.67	4.40	5.36	5.69	3.80	4.54	5.00	3.80	4.53	4.97	3.28	4.16	3.93	3.28	4.15	3.93
			U_{10} - L_8	1.90	3.19	2.43	4.07	2.71	4.37	1.90	3.19	2.43	4.07	2.71	4.37	7.12	7.91	6.41	7.12	7.91	6.41	4.65	5.32	6.50	4.65	5.29	6.50	3.98	4.77	5.60	3.98	4.77	5.60	3.35	4.30	4.54	3.35	4.30	4.54
			U_{11} - L_{10}	1.87	3.12	2.30	3.84	2.61	4.34	1.87	3.11	2.30	3.83	2.61	4.33	6.64	8.06	6.38	6.64	8.07	6.39	4.41	5.44	6.55	4.41	5.43	6.44	3.88	4.84	5.57	3.88	4.83	5.60	3.12	4.31	4.34	3.14	4.34	4.33
			U_{12} - L_{11}	1.82	3.05	1.87	3.12	2.42	4.04	1.82	3.05	1.87	3.12	2.42	4.04	6.79	6.83	5.89	6.79	6.83	5.89	4.52	5.35	4.51	4.52	5.35	4.51	3.92	4.19	5.48	3.97	4.19	5.48	3.09	3.56	4.16	3.07	3.56	4.16
			U_{13} - L_{12}	1.59	2.63	1.66	2.77	2.55	4.31	1.57	2.63	1.66	2.75	2.59	4.30	5.93	4.97	5.98	5.91	4.97	6.06	3.86	3.94	4.57	3.89	3.95	4.57	3.32	3.40	5.73	3.32	3.40	5.74	2.65	3.18	4.40	2.63	3.18	4.39
			U_{14} - L_{13}	1.98	3.31	1.86	3.06	3.59	5.97	1.98	3.29	1.86	3.06	3.61	6.02	7.16	6.15	9.62	7.18	6.15	9.62	4.78	4.07	7.45	4.76	4.07	7.33	4.13	3.93	6.74	4.10	3.93	6.71	3.27	3.45	6.62	3.26	3.45	6.60
		Span 8	U_{15} - L_{15}	2.63	4.34	2.13	3.55	2.54	4.19	2.61	4.34	2.13	3.55	2.53	4.19	9.70	7.31	6.18	9.70	7.31	6.18	6.59	4.85	4.77	6.59	4.85	4.77	5.62	4.27	5.14	5.61	4.27	5.14	4.77	3.95	4.28	4.77	3.95	4.32
			U_{16} - L_{16}	2.27	3.80	1.82	3.04	1.85	3.03	2.27	3.79	1.82	3.04	1.81	3.05	8.49	6.51	4.69	8.53	6.51	4.72	5.58	4.31	4.46	5.60	4.31	4.49	4.91	3.80	3.69	4.89	3.80	3.72	4.27	3.41	3.09	4.27	3.41	3.11
			U_{16} - L_{17}	2.06	3.43	2.18	3.62	2.19	3.65	2.06	3.43	2.18	3.62	2.19	3.63	7.93	7.36	6.37	7.93	7.36	6.36	5.28	5.13	5.91	5.28	5.13	5.89	4.61	4.42	5.15	4.62	4.42	5.16	3.77	4.20	4.12	3.77	4.20	4.13
			U_{17} - L_{18}	1.83	3.05	2.14	3.57	2.00	3.34	1.82	3.03	2.15	3.58	2.02	3.34	6.70	7.23	5.97	6.70	7.25	5.99	4.74	4.95	5.36	4.80	4.95	5.34	3.92	4.34	4.87	3.94	4.35	4.82	3.35	4.14	3.97	3.34	4.12	3.96
			U_{18} - L_{19}	2.01	3.36	2.14	3.58	2.25	3.77	2.03	3.37	2.14	3.58	2.25	3.74	7.67	7.80	6.74	7.67	7.80	6.74	4.88	4.99	6.36	4.88	4.99	6.38	4.34	4.58	5.21	4.37	4.58	5.22	3.77	4.45	4.40	3.78	4.45	4.42
			U_{19} - L_{20}	1.98	3.27	2.16	3.63	2.74	4.57	1.97	3.27	2.16	3.63	2.73	4.55	7.29	7.51	7.86	7.30	7.51	7.86	5.00	5.19	6.47	5.00	5.19	6.44	4.38	4.49	5.55	4.40	4.49	5.57	3.78	4.37	4.83	3.78	4.37	4.82
			U_{20} - L_{21}	1.98	3.27	1.91	3.19	2.76	4.59	1.98	3.30	1.91	3.19	2.76	4.61	6.68	6.27	7.18	6.67	6.27	7.10	4.65	4.40	6.31	4.64	4.40	6.29	3.88	3.76	5.57	3.88	3.76	5.55	3.55	3.74	5.46	3.54	3.74	5.43
			U_{21} - L_{22}	2.64	4.40	2.48	4.13	4.42	7.33	2.65	4.41	2.48	4.13	4.43	7.37	9.72	8.92	13.67	9.80	8.92	13.69	6.37	5.82	9.55	6.33	5.82	9.55	5.43	5.41	8.40	5.42	5.41	8.38	5.24	5.36	8.04	5.23	5.36	8.05
			U_{22} - L_{22}	2.46	4.07	2.55	4.24	3.34	5.55	2.43	4.07	2.55	4.23	3.34	5.59	8.12	8.88	10.62	8.12	8.85	10.62	6.44	6.17	7.12	6.39	6.15	7.12	5.01	5.45	7.88	5.01	5.48	7.90	4.61	5.69	6.33	4.61	5.68	6.33
	Unit 2		U_{23} - L_{23}	1.88	3.11	2.26	3.79	2.71	4.53	1.87	3.11	2.26	3.79	2.71	4.53	6.73	7.54	6.36	6.81	7.54	6.36	4.18	5.32	6.41	4.18	5.32	6.43	3.51	4.58	5.54	3.52	4.58	5.54	3.26	4.31	4.71	3.27	4.31	4.71
			U_{24} - L_{24}	1.98	3.31	2.62	4.38	2.78	4.60	1.99	3.31	2.62	4.38	2.78	4.60	7.26	8.26	6.74	7.26	8.18	6.74	4.76	5.59	6.68	4.73	5.59	6.70	4.08	5.02	5.85	4.09	5.02	5.85	3.53	4.74	4.83	3.53	4.74	4.80
			U_{25} - L_{25}	2.10	3.49	2.27	3.79	2.77	4.61	2.10	3.49	2.27	3.79	2.77	4.61	7.13	7.73	6.79	7.13	7.79	6.76	4.80	5.31	5.48	4.79	5.31	5.48	4.20	4.74	5.95	4.20	4.74	5.93	3.58	4.47	4.75	3.59	4.48	4.74
			U_{27} - L_{26}	1.88	3.15	2.00	3.33	2.05	3.42	1.88	3.16	1.99	3.34	2.07	3.42	7.04	7.33	5.82	7.05	7.33	5.82	4.72	5.04	5.87	4.72	5.04	5.87	4.07	4.42	5.08	4.07	4.42	5.08	3.35	4.07	4.06	3.35	4.07	4.06
			U_{26} - L_{27}	1.88	3.14	2.05	3.43	2.34	3.90	1.88	3.15	2.05	3.43	2.33	3.90	7.82	6.22	6.01	7.79	6.22	6.01	5.13	4.90	4.59	5.14	4.88	4.59	4.44	3.86	5.50	4.43	3.84	5.50	3.57	3.93	4.28	3.57	3.91	4.28
			U_{28} - L_{28}	1.94	3.23	1.69	2.81	2.91	4.85	1.94	3.24	1.67	2.80	2.90	4.85	6.81	5.78	6.65	6.74	5.71	6.65	4.61	3.96	5.09	4.63	3.94	5.09	4.04	3.52	6.21	4.05	3.51	6.21	3.37	3.24	4.80	3.37	3.22	4.80
		Span 9	U_9 - L_{29}	2.29	3.80	1.73	2.87	4.25	7.12	2.29	3.83	1.73	2.87	4.22	7.12	8.26	6.21	10.04	8.25	6.21	10.08	5.52	4.39	7.60	5.53	4.35	7.61	4.82	3.87	8.94	4.80	3.87	8.85	3.87	3.42	6.84	3.87	3.42	6.85
			U_{30} - L_{31}	2.89	4.81	2.20	3.68	2.58	4.33	2.88	4.83	2.20	3.68	2.55	4.29	11.37	8.24	6.11	11.40	8.24	6.07	7.19	5.29	4.82	7.15	5.27	4.80	6.25	4.93	5.61	6.25	4.93	5.58	5.25	4.31	4.24	5.23	4.31	4.24
			U_{32} - L_{32}	2.48	4.14	2.03	3.40	1.82	3.04	2.33	3.90	2.04	3.40	1.81	3.04	9.53	7.07	4.77	8.96	7.09	4.71	6.26	5.00	3.48	5.86	4.98	3.46	5.35	4.25	4.04	4.99	4.25	4.05	4.48	3.93	3.13	4.22	3.88	3.12
			U_{33} - L_{33}	2.35	3.91	2.42	4.02	2.25	3.76	2.35	3.90	2.41	4.02	2.26	3.76	8.94	8.15	6.24	8.97	8.15	6.25	6.16	5.55	4.65	6.12	5.55	4.65	5.20	4.84	5.06	5.19	4.84	5.07	4.24	4.53	3.94	4.25	4.53	3.92
			U_{34} - L_{34}	2.35	3.89	2.37	3.93	2.14	3.51	2.35	3.93	2.37	3.93	2.12	3.54	9.06	8.65	6.32	9.07	8.65	6.31	5.71	5.57	5.84	5.71	5.57	5.86	5.09	5.16	4.93	5.06	5.16	4.95	4.16	4.74	3.92	4.18	4.74	3.92
			U_{34} - L_{35}	2.24	3.74	2.21	3.71	2.40	4.00	2.26	3.74	2.21	3.67	2.40	3.99	8.36	7.73	6.65	8.38	7.73	6.59	5.65	5.35	4.88	5.65	5.35	4.95	4.94	4.63	4.85	4.94	4.63	4.85	4.09	4.26	4.05	4.07	4.26	4.05
			U_{35} - L_{36}	2.22	3.70	2.11	3.52	2.24	3.73	2.22	3.69	2.11	3.52	2.24	3.72	7.63	7.23	6.34	7.66	7.23	6.35	5.28	4.95	5.40	5.30	4.95	5.39	4.47	4.25	4.70	4.46	4.25	4.66	3.83	4.04	4.11	3.84	4.04	4.15
			U_{36} - L_{37}	2.27	3.76	2.02	3.37	2.72	4.54	2.28	3.79	2.02	3.37	2.72	4.54	8.63	7.45	7.37	8.62	7.45	7.38	5.60	4.92	5.86	5.60	4.92	5.86	4.93	4.38	5.58	4.94	4.38	5.58	4.43	4.24	5.40	4.47	4.24	5.40
			U_{38} - L_{37}	1.41	2.35	1.44	2.39	2.25	3.73	1.41	2.34	1.44	2.39	2.25	3.75	5.05	5.07	6.98	5.08	5.08	7.03	3.40	3.46	4.71	3.38	3.46	4.71	3.06	2.98	4.76	3.06	2.98	4.76	2.84	3.07	4.70	2.85	3.07	4.67
			U_{38} - L_{38}	2.63	4.42	2.28	3.82	3.80	6.37	2.64	4.42	2.28	3.81	3.81	6.36	7.61	7.30	12.63	7.64	7.32	12.66	5.82	5.27	11.30	5.79	5.27	11.29	4.72	4.42	8.57	4.69	4.42	8.64	4.92	4.86	8.90	4.92	4.90	8.93
			U_{40} - L_{39}	2.09	3.48	2.66	4.42	3.22	5.32	2.08	3.48	2.66	4.41	3.23	5.35	7.45	8.05	7.69	7.51	8.11	7.68	4.72	5.41	7.57	4.72	5.39	7.57	4.48	4.90	6.59	4.51	4.90	6.66	4.07	4.66	5.62	4.07	4.64	5.67
			U_{41} - L_{40}	1.82	3.04	2.17	3.63	2.31	3.83	1.82	3.04	2.17	3.63	2.31	3.83	6.38	7.45	5.68	6.38	7.45	5.68	4.26	4.89	5.68	4.26	4.89	5.68	3.73	4.54	4.88	3.73	4.54	4.88	3.26	4.28	3.91	3.26	4.28	3.91
			U_{42} - L_{41}	1.82	3.02	2.14	3.53	2.41	4.01	1.82	3.04	2.14	3.53	2.41	4.01	6.73	7.25	5.54	6.78	7.25	5.54	4.50	5.09	5.81	4.50	5.09	5.74	3.96	4.37	5.02	3.94	4.37	5.02	3.25	4.25	4.01	3.24	4.25	4.01
			U_{43} - L_{42}	1.97	3.26	2.34	3.88	3.02	5.03	1.95	3.26	2.34	3.88	3.02	5.03	7.32	8.00	6.84	7.29	8.00	6.84	4.80	5.52	5.28	4.80	5.52	5.28	4.16	4.90	6.40	4.16	4.90	6.40	3.39	4.39	4.98	3.39	4.39	4.98
			U_{44} - L_{43}	2.10	3.49	2.16	3.60	3.38	5.14	2.10	3.49	2.16	3.60	3.38	5.12	7.57	7.40	7.76	7.53	7.40	7.77	4.99	5.07	5.96	4.99	5.07	5.95	4.34	4.54	5.40	4.33	4.54	5.42	3.51	4.03	5.68	3.51	4.03	5.70
		Span 10	U_0 - L_1	1.98	3.31	2.05	3.44	2.18	3.01	1.98	3.29	2.05	3.42	2.16	3.01	7.24	6.93	5.81	7.19	6.91	5.81	5.12	4.

HAM-471-0025

Truss Member Rating Summary
As-Inspected North Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Upper Chord	Unit 1	Span 5	U_0 - U_1	2.36	3.93	2.30	3.84	2.30	3.84	4.33	7.20	21.32	35.57	4.34	7.24	8.71	8.49	8.85	4.90	5.89	5.00	4.33	5.17	4.33	4.51	4.76	4.62
			U_1 - U_2	1.41	2.35	1.59	2.66	1.40	2.32	2.39	3.97	2.39	3.98	2.38	3.97	4.56	5.73	4.55	3.23	4.44	3.18	2.79	4.33	2.86	2.78	4.99	2.77
			U_2 - U_3	1.34	2.24	1.40	2.33	1.49	2.47	2.14	3.57	2.14	3.56	2.14	3.55	4.73	5.51	4.73	3.35	3.98	3.33	2.69	3.81	2.68	2.74	3.14	2.74
			U_3 - U_4	1.64	2.74	1.82	3.04	1.73	2.89	2.13	3.56	2.14	3.53	2.12	3.53	6.12	7.08	6.51	3.60	5.14	3.62	3.15	3.83	3.13	3.81	4.02	3.72
			U_4 - U_5	1.67	2.79	1.74	2.91	2.38	3.96	2.23	3.70	2.22	3.70	2.23	3.70	6.01	5.99	8.64	3.81	3.79	5.08	3.31	3.31	4.02	3.66	3.59	4.01
			U_5 - U_6	2.39	3.98	2.30	3.86	2.30	3.83	2.76	4.60	2.74	4.59	6.68	11.09	8.05	8.04	10.31	5.27	5.28	6.24	4.75	4.76	5.82	4.10	4.01	4.51
			U_6 - U_7	2.30	3.88	2.30	3.88	2.49	4.17	2.61	4.36	2.61	4.36	2.62	4.38	8.21	8.21	9.30	5.55	5.55	5.90	4.87	4.87	5.11	3.88	3.88	4.21
			U_7 - U_8	1.98	3.32	2.08	3.47	5.00	8.36	1.85	3.07	2.26	3.79	1.83	3.10	7.90	8.22	19.06	5.52	5.71	12.79	4.63	4.86	10.25	4.38	3.55	7.70
		Span 6	U_8 - U_9	2.24	3.78	5.40	8.98	2.28	3.77	1.68	2.79	1.66	2.77	3.63	6.08	8.32	24.94	8.63	5.56	18.61	5.54	4.55	16.84	4.88	4.21	6.82	7.40
			U_9 - U_{10}	2.67	4.46	13.04	21.73	2.73	4.53	3.77	6.31	4.41	7.34	3.77	6.25	10.01	27.00	10.36	6.26	22.04	6.38	5.47	13.83	5.67	5.25	31.22	5.25
			U_{10} - U_{11}	2.05	3.38	4.58	7.61	2.04	3.40	3.18	5.33	14.42	23.79	3.18	5.32	6.99	13.45	6.93	4.72	6.46	4.70	4.31	6.13	4.28	3.92	8.42	3.92
			U_{11} - U_{12}	1.46	2.41	1.99	3.30	1.55	2.61	1.91	3.17	4.37	7.22	1.91	3.18	5.13	6.10	5.10	3.54	4.45	3.53	2.94	4.15	2.95	2.64	5.69	2.66
			U_{12} - U_{13}	1.51	2.50	2.03	3.39	1.50	2.51	1.90	3.17	1.91	3.18	1.90	3.15	5.55	6.80	5.44	3.42	4.81	3.40	2.94	3.49	2.94	2.71	4.00	2.72
			U_{13} - U_{14}	1.38	2.29	1.91	3.19	1.37	2.28	1.53	2.56	1.52	2.57	1.54	2.54	4.66	6.54	4.66	3.07	3.60	3.09	2.74	3.25	2.74	2.79	3.49	2.68
			U_{14} - U_{15}	1.33	2.22	1.33	2.22	1.33	2.22	1.54	2.55	1.54	2.55	1.55	2.56	4.54	4.54	5.54	3.03	3.03	3.62	2.72	2.72	3.42	2.73	2.65	2.80
			U_{15} - U_{16}	1.42	2.36	1.42	2.36	1.89	3.15	1.82	3.03	1.82	3.03	3.03	5.05	4.81	4.81	5.37	3.31	3.31	3.98	2.86	2.86	3.23	2.47	2.47	2.71
			U_{16} - U_{17}	1.53	2.54	1.53	2.54	2.30	3.88	2.06	3.44	2.06	3.44	2.36	3.98	5.44	5.44	7.84	3.50	3.50	4.81	3.04	3.04	3.75	2.76	2.76	5.67
			U_{17} - U_{18}	1.53	2.55	1.60	2.66	2.12	3.54	2.12	3.56	2.12	3.55	2.13	3.53	5.44	5.18	6.45	3.38	3.39	4.38	2.99	3.01	3.90	2.68	2.68	3.68
			U_{18} - U_{19}	1.52	2.54	1.52	2.54	1.76	2.94	2.29	3.80	2.29	3.80	2.28	3.79	5.52	5.30	7.86	3.56	3.56	4.42	3.21	3.37	3.94	2.84	2.71	3.06
			U_{19} - U_{20}	3.29	5.49	3.30	5.48	4.02	6.72	5.12	8.52	5.12	8.53	5.13	8.52	13.27	12.62	15.00	8.67	9.35	10.11	7.76	7.61	8.92	6.36	6.40	6.89
		Span 7	U_0 - U_1	3.75	6.21	3.76	6.23	4.00	6.65	4.97	8.34	10.20	16.98	5.00	8.32	14.43	14.27	13.73	8.82	8.86	9.73	7.58	8.71	7.60	6.40	7.08	7.08
			U_1 - U_2	2.13	3.54	2.45	4.08	2.05	3.39	2.68	4.47	2.67	4.44	2.65	4.43	8.10	9.18	7.68	5.08	5.49	4.91	4.34	5.18	4.52	3.80	4.60	3.73
			U_2 - U_3	1.90	3.17	2.51	4.22	1.94	3.23	2.32	3.87	3.97	6.60	2.32	3.87	6.50	8.57	6.51	4.59	5.22	4.40	3.95	4.51	4.05	3.35	4.10	3.35
			U_3 - U_4	1.54	2.57	1.65	2.76	1.64	2.74	1.88	3.14	1.99	3.31	1.95	3.24	5.69	6.27	5.52	3.77	4.48	3.87	3.12	4.21	3.21	2.72	3.14	2.83
			U_4 - U_5	1.57	2.61	2.05	3.46	1.57	2.63	1.80	2.99	1.84	3.10	1.79	2.98	5.67	6.57	5.59	3.55	4.73	3.58	3.12	3.62	3.12	2.90	3.91	3.12
			U_5 - U_6	1.55	2.57	1.55	2.57	1.63	2.73	1.75	2.92	1.75	2.92	1.76	2.91	5.60	5.99	5.62	3.72	3.95	3.74	3.36	3.53	3.42	3.27	3.65	2.94
			U_6 - U_7	1.46	2.42	1.46	2.42	1.46	2.42	1.45	2.39	1.45	2.39	1.45	2.41	4.97	5.66	5.00	3.44	3.87	3.55	3.00	3.22	2.99	2.79	2.94	2.81
			U_7 - U_8	1.53	2.55	1.53	2.55	2.01	3.38	1.44	2.41	1.44	2.41	1.45	2.43	5.14	5.14	5.98	3.56	3.60	4.50	3.01	3.01	3.67	2.75	2.64	2.90
			U_8 - U_9	1.54	2.54	1.56	2.59	2.02	3.39	1.57	2.59	1.56	2.59	2.34	3.90	5.53	5.67	7.15	3.49	3.50	4.50	3.05	3.05	3.57	2.60	2.59	4.39
			U_9 - U_{10}	1.72	2.86	1.76	2.90	1.74	2.92	1.69	2.81	1.70	2.81	1.69	2.82	5.81	5.83	7.91	3.85	3.82	4.65	3.38	3.39	4.94	2.99	3.00	5.24
			U_{10} - U_{11}	2.31	3.83	2.31	3.83	3.86	6.41	2.51	4.19	2.51	4.19	2.50	4.17	8.04	8.04	9.97	5.45	5.45	8.08	4.92	4.72	6.41	4.07	4.07	4.81
			U_{11} - U_{12}	2.75	4.55	2.75	4.55	6.99	11.65	2.78	4.59	2.78	4.59	5.04	8.41	10.52	10.52	24.32	6.80	6.80	14.57	5.83	5.83	10.93	4.55	4.55	16.47
			U_{12} - U_{13}	3.44	5.71	3.31	5.55	3.60	5.96	3.41	5.65	3.28	5.49	3.28	5.51	11.54	11.58	12.83	7.67	7.67	8.67	6.83	6.81	7.48	5.60	5.49	5.84
			U_{13} - U_{14}	4.12	6.88	3.07	5.14	5.39	8.97	1.94	3.24	2.72	4.52	1.94	3.20	16.29	12.84	30.07	10.77	8.22	18.00	9.11	7.32	14.49	6.61	5.10	7.77
		Span 8	U_{14} - U_{15}	3.53	5.93	6.68	11.32	5.15	8.67	1.79	3.02	1.81	3.01	1.78	2.98	13.85	40.81	18.91	9.10	21.24	13.19	7.83	19.44	10.74	5.64	9.35	8.59
			U_{15} - U_{16}	3.83	6.41	5.68	9.44	3.95	6.53	3.28	5.44	5.96	9.91	10.81	17.97	13.33	18.55	13.62	9.37	12.42	9.25	7.63	11.72	7.73	6.80	10.43	6.30
			U_{16} - U_{17}	3.34	5.55	12.88	21.46	3.17	5.29	3.83	6.44	3.75	6.24	3.69	6.15	12.26	37.86	12.06	7.54	27.61	7.54	6.62	19.70	6.68	5.49	33.92	5.51
			U_{17} - U_{18}	2.51	4.18	6.40	10.67	2.42	4.06	2.62	4.36	5.81	9.69	2.49	4.14	8.20	10.80	8.31	5.52	6.57	5.60	5.00	5.88	5.04	4.36	4.46	3.92
			U_{18} - U_{19}	2.74	4.57	3.66	6.07	2.58	4.31	3.02	5.06	3.12	5.23	3.02	5.04	10.76	10.35	8.69	5.97	7.33	6.03	5.32	6.74	5.31	5.25	5.89	4.88
			U_{19} - U_{20}	1.95	3.26	2.39	3.98	1.98	3.29	2.58	4.31	3.65	6.08	2.57	4.31	7.46	8.11	7.00	4.50	5.73	4.49	3.87	4.30	3.86	3.90	4.55	3.78
	Unit 2		U_{20} - U_{21}	1.94	3.25	2.43	4.08	1.94	3.25	2.30	3.85	3.82	6.36	2.29	3.84	6.57	8.28	6.57	4.35	4.77	4.38	3.85	4.29	4.06	3.73	4.36	3.69
			U_{21} - U_{22}	1.59	2.65	1.59	2.65	1.59	2.65	1.72	2.87	1.72	2.87	1.72	2.85	5.55	6.18	5.58	3.80	4.30	3.80	3.30	3.42	3.27	2.97	3.29	3.12
			U_{22} - U_{23}	1.62	2.69	1.62	2.69	1.64	2.74	1.73	2.88	1.73	2.88	1.73	2.88	5.52	5.52	6.54	3.83	3.83	4.85	3.25	3.25	3.96	2.94	2.94	3.24
			U_{23} - U_{24}	1.86	3.10	1.83	3.05	2.28	3.77	2.18	3.64	2.17	3.64	3.54	5.92	6.63	6.65	7.94	4.11	4.14	4.91	3.63	3.63	4.97	3.26	3.27	4.80
			U_{24} - U_{25}	1.84	3.06	1.79	2.98	1.78	2.98	2.26	3.76	2.25	3.76	3.39	5.65	6.22	6.20	7.94	4.17	4.14	6.03	3.73	3.82	4.63	3.45	3.78	4.81
		Span 9	U_{25} - U_{26}	2.30	3.86	2.30	3.85	3.52	5.91	3.11	5.18	3.11	5.17	3.30	5.52	7.67	7.68	12.32	5.27	5.25	7.48	4.72	4.75	6.21	4.25	4.28	6.14
			U_{26} - U_{27}	2.75	4.58	2.57	4.27	4.97	8.24	2.93	4.87	2.85	4.73	8.01	13.45	9.60	9.58	15.52	6.14	6.14	9.91	5.35	5.33	10.46	4.24	4.27	13.93
			U_{27} - U_{28}	3.51	5.82	3.45	5.76	6.49	10.79	4.26	7.06	4.07	6.79	4.34	7.19	11.71	11.77	29.68	7.82	7.83	25.39	7.06	7.07	19.64	5.76	5.70	33.33
			U_{28} - U_{29}	4.14	6.94	3.89	6.44	5.92	9.82	3.73	6.22	5.34	8.91	3.66	6.12	13.73	13.77	21.82	9.47	9.37	13.54	8.00	8.02	12.19	7.63	6.38	10.65
			U_{29} - U_{30}	4.71	7.86	3.51	5.86	8.40	14.05	2.07	3.46	3.96	6.62	2.06	3.45	18.75	13.97	28.62	12.09	10.17	17.52	10.32	8.30	14.10	7.55	5.86	8.00
			U_{30} - U_{31}	4.08	6.78	8.89	14.82	5.59	9.41	2.06	3.43	2.05	3.41	5.81	9.60	15.81	40.16	23.14	10.49	28.95	14.13	8.95	19.26	12.24	6.44	10.36	9.51
			U_{31} - U_{32}	3.85	6.41	6.50	10.85	3.38	5.66	3.12	5.20	5.71	9.52	3.30	5.55	12.87	21.31	13.09	7.87	14.79	8.10	6.97	12.13	7.17	6.15	11.30	5.90
			U_{32} - U_{33}	2.83	4.73	6.22	10.36	2.84	4.76	2.78	4.63	3.85	6.40	2.79	4.62	9.98	22.85	10.12	6.79	17.40	6.88	6.12	16.66	6.05	5.23	31.41	4.62
			U_{33} - U_{34}	2.99	5.00	3.02	5.06	3.20	5.33	3.02	5.05	3.22	5.34	3.02	5.07	10.35	12.49	10.32	7.18	8.66	7.20	5.92	7.56	5.96	5.01	5.68	5.02
			U_{34} - U_{35}	2.18	3.61	3.07	5.12	2.17	3.63	2.20	3.65	3.76	6.34	2.18	3.65	8.24	10.23	8.24	5.08	7.26	5.09	4.43	5.17	4.45	4.23	5.95	4.35
			U_{35} - U_{36}	1.99	3.31	2.69	4.49	1.98	3.31	1.98	3.30	1.99	3.30	1.98	3.30	6.78	9.52	6.78	4.50	5.21	4.51	4.00	4.75	4.12	3.50	5.10	3.50
			U_{36} - U_{37}	1.96	3.27	1.86	3.10	1.86	3.10	1.79	3.00	1.79	2.99	1.79	3.00	6.42	7.48	6.41	4.58	5.22	4.43	3.82	4.77	3.82	3.60	3.76	3.45
			U_{37} - U_{38}	1.88	3.15	1.86	3.12	1.89	3.16	1.79	2.97	1.79	2.97	1.79	2.99	6.36	6.36	7.46	4.56	4.39	5.37	3.65	3.70	4.37	3.62	3.36	3.67
			U_{38} - U_{39}	1.91	3.18	1.89	3.16	1.86	3.12	2.03	3.39	2.04	3.40	2.04	3.37	7.03	7.11	7.74	4.34	4.37	4.93	3.81	3.83	4.06	3.54	3.37	4.78
			U_{39} - U_{40}	1.87	3.11	1.83	3.05	1.82	3.05	2.06	3.42	2.06	3.44	2.05	3.44	6.02	6.03	7.44	4.12	4.07	4.71	3.69	3.66	4.59	3.29	3.86	3.53
			U_{40} - U_{41}	1.78	2.96	1.78	2.96	1.85	3.07	2.20	3.68	2.20	3.68	2.19	3.68	6.03	6.03	7.29	4.21	4.33	5.65	3.88	3.62	4.57	3.09	3.09	3.56
			U_{41} - U_{42}	1.97	3.28	2.25	3.76	3.03	5.06	2.53	4.23	2.53	4.23	2.47	4.11	7.03	7.03	9.27	4.90	4.59	6.11	4.37	3.97	5.06	3.33	3.32	5.16
			U_{42} - U_{43}	2.13	3.56	2.13	3.56	2.46	4.11	2.68	4.46	2.68	4.46	4.36	7.21	7.47	7.29	12.69	5.25	4.76	6.92	4.65	4.24	8.57	3.59	3.59	9.46
			U_{43} - U_{44}	3.53	5.88	3.53	5.88	4.39	7.29	4.38	7.29	4.38	7.29	4.39	7.31	12.67	12.98	16.23	8.67	8.67	11.16	7.62	8.60	9.75	6.47	6.31	6.42
	Unit 3	Span 10	U_0 - U_1	4.11	6.84	4.33	7.20	4.12	6.82	6.37	10.68	7.11	11.80	6.37	10.65	13.83	13.71	15.36	10.16	10.15	9.78	8.21	8.21	8.26	7.17	8.67	7.64
			U_1 - U_2	1.86	3.09	1.84	3.10	1.85	3.08	2.61	4.40	2.63	4.37	2.62	4.36	6.60	6.90	7.05	4.31	4.28	4.30	3.77	4.22	3.76	3.34	3.52	3.27
			U_2 - U_3	1.69	2.82	1.87	3.11	1.70	2.82	2.43	4.09	2.44	4.05	2.45	4.08	6.20	7.48	6.29	3.98	4.50	3.98	3.65	3.86	3.54	3.28	3.23	3.25
			U_3 - U_4	1.72	2.86	1.80	3.01	1.78	2.98	2.30	3.85	2.71	4.51	2.35	3.93	5.70	6.75	5.83	3.89	4.84	4.00	3.55	4.50	3.58	3.18	5.19	3.24
			U_4 - U_5	1.57	2.62	1.57	2.62	1.65	2.72	2.02	3.33	2.02	3.39	2.00	3.33	5.50	5.96	5.52	3.61	4.19	3.58	3.01	3.39	3.00	3.08	3.08	2.78
			U_5 - U_6	1.45	2.43	1.45	2.43	1.48	2.45	1.64	2.75	1.64	2.75	1.65	2.74	5.22	6.22	5.29	3.31	3.63	3.35	2.93	3.26	2.89	2.73	3.03	2.70
			U_6 - U_7	1.50	2.48	1.47	2.45	1.94	3.24	1.67	2.78	1.66	2.78	1.66	2.77	5.25	5.30	6.67	3.32	3.32	4.30	2.93	2.90	4.17	2.73	2.70	4.26
			U_7 - U_8	1.56	2.60	1.55	2.58	2.39	3.92	1.92	3.19	1.91	3.19	3.19	5.32	4.93	4.96	6.41	3.36	3.38	4.85	3.04	3.11	3.90	2.65	2.65	4.22
			U_8 - U_9	1.31	2.19	1.31	2.19	2.28	3.79	1.72	2.84	1.72	2.84	2.80	4.65	4.79	4.79	8.11	3.26	3.36	4.72	2.94	2.80	3.66	2.40	2.40	2.71
			U_9 - U_{10}	1.58	2.63	1.58	2.63	2.96	4.93	2.29	3.81	2.29	3.81	5.81	9.68	5.77	5.77	10.07	3.78	3.78	5.66	3.26	3.26	6.82	2.86	2.86	4.65
			U_{10} - U_{11}	3.11	5.19	3.06	5.08	4.36	7.29	4.10	6.79	4.09	6.83	6.83	11.40	10.39	10.37	21.60	6.91	6.90	22.98	6.22	6.22	16.22	5.73	5.72	20.06
			U_{11} - U_{12}	2.64	4.40	2.70	4.49	5.24	8.63	2.12	3.52	3.00	5.00	2.13	3.55	10.48	10.53	29.93	6.74	7.11	19.46	6.07	6.26	16.53	5.67	5.23	8.02
		Span 11	U_{12} - U_{13}	2.68	4.46	6.91	11.52	2.64	4.36	1.98	3.30	1.97	3.29	2.83	4.69	9.08	27.15	9.55	6.16	19.61	6.65	5.55	16.50	5.53	4.55	8.17	4.36
			U_{13} - U_{14}	2.43	4.07	2.47	4.14	2.45	4.07	2.56	4.29	3.17	5.26	2.59	4.30	8.99	9.17	8.95	6.10	6.19	5.94	5.03	5.55	5.02	4.06	4.15	4.03
			U_{14} - U_{15}	2.22	3.72	2.59	4.30	2.23	3.71	2.73	4.57	6.54	10.90	2.72	4.56	8.59	10.13	8.58	5.43	6.35	5.41	4.81	5.67	4.80	4.07	4.34	4.00
			U_{15} - U_{16}	2.07	3.44	2.04	3.40	2.06	3.44	2.61	4.34	2.59	4.32	2.61	4.36	6.05	7.31	6.05	4.61	5.37	4.62	4.13	5.04	4.27	4.38	4.82	4.64
			U_{16} - U_{17}	1.98	3.29	2.19	3.62	1.97	3.30	2.63	4.38	2.64	4.40	2.62	4.37	6.77	6.73	8.10	4.58	4.55	6.26	4.15	4.16	5.17	4.32	4.64	4.59
			U_{17} - U_{18}	1.49	2.47	1.49	2.47	2.60	4.32	2.42	4.03	2.42	4.03	2.42	4.03	5.39	5.39	6.16	3.68	3.72	5.00	3.07	3.07	3.94	3.07	3.07	3.52
			U_{18} - U_{19}	1.45	2.44	1.45	2.44	1.66	2.77	2.36	3.91	2.36	3.91	2.35	3.91	4.88	4.88	10.08	3.25	3.25	5.47	2.83	2.83	4.03	2.77	2.77	7.11
			U_{19} - U_{20}	2.54	4.25	2.54	4.25	3.00	5.01	4.47	7.44	4.47	7.44	4.46	7.44	8.34	8.36	9.75	5.90	5.57	6.87	5.31	4.97	6.30	4.93	6.10	6.94

HAM-471-0025

Truss Member Rating Summary
As-Inspected North Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Lower Chord	Unit 1	Span 5	L_0 - L_1	26.22	43.65	11.72	19.59	14.22	23.57	23.51	39.12	27.26	45.49	27.09	45.17	38.97	36.46	36.40	22.30	26.50	29.45	28.46	20.98	26.96	52.40	24.08	25.41
			L_1 - L_2	1.70	2.86	2.47	4.10	1.71	2.85	3.30	5.50	5.58	9.25	3.32	5.53	5.96	6.85	7.00	3.89	5.13	4.72	3.58	4.32	4.15	4.06	4.18	4.16
			L_2 - L_3	1.76	2.94	1.75	2.94	1.76	2.94	2.99	4.94	2.97	4.95	2.98	4.95	6.04	6.02	6.77	4.00	4.19	4.32	3.58	3.92	4.10	3.66	3.67	4.18
			L_3 - L_4	1.73	2.86	1.80	3.00	2.08	3.48	2.38	3.97	2.39	3.98	2.39	3.95	5.66	5.64	6.36	4.00	3.93	4.50	3.38	3.37	3.74	3.46	3.46	3.99
			L_4 - L_5	1.72	2.85	1.72	2.85	2.30	3.83	1.87	3.11	1.88	3.12	4.87	8.06	7.23	6.46	8.07	4.61	4.12	5.36	3.83	3.56	5.35	3.17	2.98	3.11
			L_5 - L_6	1.76	2.91	1.76	2.91	1.80	3.03	1.75	2.93	1.81	3.02	1.76	2.92	6.96	6.80	6.99	4.57	4.51	4.68	3.95	3.90	3.98	3.05	2.99	3.06
			L_6 - L_7	2.63	4.36	2.51	4.19	4.81	8.04	2.30	3.84	2.84	4.74	2.85	4.75	9.84	9.29	24.81	6.86	6.28	13.62	5.71	5.32	12.53	4.99	4.34	9.73
			L_7 - L_8	2.42	4.11	3.04	5.13	2.72	4.52	1.56	2.60	2.72	4.48	1.56	2.60	9.30	11.25	11.12	6.09	7.21	6.94	5.27	6.34	5.75	4.76	4.68	4.73
		Span 6	L_8 - L_9	2.78	4.64	3.95	6.54	3.27	5.45	1.64	2.75	1.62	2.73	2.78	4.63	10.93	13.63	12.92	7.06	8.49	8.87	6.15	7.01	6.85	4.55	5.55	5.07
			L_9 - L_{10}	3.39	5.65	6.32	10.42	3.30	5.50	2.67	4.41	4.35	7.17	4.33	7.26	12.61	27.43	12.40	8.48	20.11	8.13	7.01	13.54	6.98	7.04	9.11	6.28
			L_{10} - L_{11}	2.23	3.71	2.28	3.79	2.17	3.64	2.51	4.17	2.51	4.20	2.84	4.72	8.47	8.57	8.17	5.53	5.64	5.36	4.85	4.85	4.67	4.17	4.18	4.08
			L_{11} - L_{12}	2.11	3.54	2.63	4.40	2.14	3.57	3.52	5.82	17.98	29.88	3.51	5.87	7.14	8.74	8.50	4.89	5.93	5.41	4.23	5.77	5.23	4.43	6.25	5.25
			L_{12} - L_{13}	2.17	3.61	2.46	4.08	2.16	3.60	3.34	5.57	3.35	5.58	3.35	5.59	7.81	7.77	8.14	5.22	5.50	5.19	4.45	5.14	4.98	4.62	4.94	4.89
			L_{13} - L_{14}	1.93	3.20	1.89	3.16	1.82	3.01	2.23	3.72	2.99	5.00	2.24	3.71	6.59	6.39	7.42	4.27	4.77	4.72	3.75	4.15	3.92	3.84	3.83	4.33
			L_{14} - L_{15}	1.93	3.23	1.93	3.23	2.13	3.57	2.35	3.95	2.35	3.95	2.38	3.96	7.46	7.06	7.49	4.80	4.83	5.36	4.52	4.36	4.51	4.04	4.63	4.10
			L_{15} - L_{16}	2.44	4.07	2.43	4.04	2.49	4.10	3.38	5.63	3.38	5.63	3.36	5.62	8.71	9.43	8.88	5.58	6.00	5.57	4.83	5.21	4.84	4.57	5.10	4.57
			L_{16} - L_{17}	2.28	3.78	2.28	3.78	2.56	4.30	3.46	5.82	3.46	5.82	3.47	5.76	8.46	8.15	8.51	5.42	5.44	5.42	4.69	4.86	5.49	4.50	4.86	6.11
			L_{17} - L_{18}	2.85	4.74	2.85	4.74	4.11	6.89	4.97	8.34	5.77	9.64	5.81	9.64	10.61	9.88	10.56	6.84	6.95	8.14	5.93	5.93	6.54	6.02	6.05	7.74
			L_{18} - L_{19}	2.97	4.92	3.79	6.29	3.39	5.66	3.90	6.53	9.79	16.23	6.59	10.93	10.50	10.79	10.95	6.76	7.99	6.63	5.92	6.16	7.40	5.80	8.00	7.02
			L_{19} - L_{20}	2.89	4.81	4.66	7.77	4.66	7.75	3.17	5.34	3.18	5.31	3.18	5.30	11.29	21.48	19.79	7.38	13.86	12.91	6.17	12.35	10.40	4.99	6.50	6.52
		Span 7	L_0 - L_1	13.44	22.60	13.23	22.07	13.16	22.10	14.28	23.72	17.03	28.39	17.00	28.35	52.09	43.31	46.54	34.88	28.59	28.53	28.47	25.60	25.46	23.50	23.18	23.11
			L_1 - L_2	3.18	5.33	3.83	6.40	3.19	5.29	4.60	7.67	4.61	7.69	4.63	7.73	11.58	14.15	11.61	7.18	8.73	7.18	6.33	8.72	7.89	5.97	7.08	6.18
			L_2 - L_3	2.89	4.83	3.70	6.13	2.91	4.88	3.82	6.37	3.81	6.32	3.81	6.32	10.47	11.92	10.71	6.94	9.04	7.53	6.15	6.77	6.29	5.40	6.38	6.01
			L_3 - L_4	2.43	4.06	2.76	4.61	2.41	4.01	3.06	5.11	4.26	7.11	3.10	5.19	8.32	10.80	8.43	5.57	6.79	6.10	4.99	5.37	5.07	4.51	5.94	5.00
			L_4 - L_5	2.63	4.39	2.76	4.63	2.63	4.39	3.10	5.12	3.14	5.21	3.10	5.17	9.66	10.86	9.76	6.38	6.61	6.31	5.55	5.96	5.77	5.00	5.07	5.17
			L_5 - L_6	2.40	4.02	2.58	4.32	2.32	3.86	2.65	4.40	2.66	4.45	2.66	4.41	8.51	9.08	8.50	5.54	6.34	5.94	4.84	4.86	5.06	4.52	5.01	5.22
			L_6 - L_7	2.23	3.72	2.22	3.72	2.23	3.72	2.44	4.07	2.43	4.07	2.44	4.07	7.71	7.71	8.91	5.11	5.11	5.72	4.51	4.51	5.38	4.33	4.47	5.11
			L_7 - L_8	2.02	3.33	2.02	3.33	2.28	3.79	1.96	3.26	1.96	3.26	1.94	3.27	7.51	7.56	8.26	5.25	4.87	5.27	4.40	4.20	4.39	3.95	3.97	4.96
			L_8 - L_9	2.22	3.69	2.22	3.69	2.40	4.02	2.29	3.83	2.29	3.83	2.91	4.84	8.20	8.15	8.15	5.30	5.51	5.34	4.62	4.91	5.13	4.38	4.59	5.20
			L_9 - L_{10}	2.75	4.54	2.75	4.54	3.43	5.70	2.86	4.77	2.86	4.77	3.05	5.09	10.51	9.91	10.43	6.78	6.83	7.64	6.30	6.23	6.29	5.33	5.10	5.54
			L_{10} - L_{11}	2.18	3.65	2.12	3.53	4.86	8.12	1.99	3.29	1.99	3.29	3.05	5.08	8.41	8.07	16.04	5.75	5.34	10.23	4.81	4.55	10.37	3.60	3.49	13.60
			L_{11} - L_{12}	2.78	4.61	2.74	4.57	2.82	4.69	2.00	3.33	2.44	4.07	2.01	3.36	11.01	10.64	11.30	7.14	6.77	7.26	6.15	5.87	6.25	4.49	4.47	4.65
			L_{12} - L_{13}	4.23	7.04	3.38	5.65	3.61	6.02	2.16	3.60	3.38	5.63	2.14	3.58	16.66	12.35	13.44	11.00	8.47	8.79	9.29	7.39	7.50	6.90	5.76	5.87
			L_{13} - L_{14}	2.83	4.73	4.26	7.08	3.30	5.50	1.51	2.55	1.52	2.53	1.52	2.53	11.05	16.82	16.44	7.23	11.10	10.13	6.25	9.08	8.30	4.55	6.40	4.94
	Unit 2	Span 8	L_{14} - L_{15}	3.39	5.66	5.38	8.90	3.67	6.09	1.54	2.57	1.54	2.57	1.56	2.57	13.37	19.29	14.65	8.71	12.09	9.49	7.54	9.86	8.10	5.43	7.41	6.03
			L_{15} - L_{16}	3.47	5.82	3.63	6.10	3.44	5.68	1.95	3.24	3.63	6.04	6.35	10.58	13.64	14.30	12.83	8.93	9.38	9.04	7.62	7.94	7.54	5.53	5.98	5.34
			L_{16} - L_{17}	2.81	4.66	6.20	10.36	2.86	4.75	1.69	2.82	1.68	2.78	3.34	5.58	11.17	28.60	11.49	7.30	14.35	7.28	6.22	13.36	6.39	4.52	8.19	4.61
			L_{17} - L_{18}	2.12	3.51	9.23	15.40	2.09	3.52	1.86	3.12	1.86	3.10	2.41	4.05	8.53	31.28	7.97	5.29	20.82	5.24	4.61	17.73	4.49	3.37	14.14	3.41
			L_{18} - L_{19}	1.96	3.28	2.02	3.37	1.99	3.29	2.16	3.62	2.18	3.63	2.19	3.66	7.57	7.92	7.89	4.96	5.21	5.01	4.33	4.31	4.44	3.28	3.21	3.29
			L_{19} - L_{20}	2.63	4.40	2.94	4.93	2.55	4.25	2.71	4.53	2.76	4.62	2.71	4.51	9.95	11.41	9.75	6.62	7.71	6.42	5.53	5.85	5.50	4.40	7.09	4.37
			L_{20} - L_{21}	3.10	5.17	3.28	5.45	3.06	5.08	4.51	7.51	4.66	7.73	4.48	7.53	11.54	11.49	10.73	6.97	7.99	8.04	6.13	6.13	6.60	6.07	6.20	7.75
			L_{21} - L_{22}	2.35	3.93	2.36	3.91	2.19	3.67	2.69	4.50	4.38	7.34	2.70	4.51	7.67	9.17	8.78	5.26	5.24	5.55	4.74	4.72	5.29	4.54	4.78	5.44
			L_{22} - L_{23}	2.32	3.88	2.54	4.22	2.56	4.27	2.65	4.44	2.66	4.45	2.67	4.44	8.21	8.44	9.19	5.68	5.92	5.70	4.82	4.65	4.84	4.65	4.61	4.54
			L_{23} - L_{24}	2.91	4.82	2.91	4.82	3.04	5.09	4.17	6.92	4.17	6.92	4.59	7.61	10.28	10.38	10.28	6.90	6.98	6.89	6.08	6.31	6.33	5.98	6.57	6.44
			L_{24} - L_{25}	3.16	5.24	2.87	4.78	3.61	6.02	3.66	6.12	3.56	5.92	3.79	6.32	13.43	10.62	10.39	6.86	7.60	7.59	6.22	6.06	6.20	6.13	5.68	6.15
			L_{25} - L_{26}	3.00	4.99	2.79	4.64	3.01	5.01	3.36	5.59	3.31	5.51	3.43	5.71	11.71	10.31	11.67	7.60	6.89	7.61	6.26	5.81	9.48	4.82	4.51	4.81
			L_{26} - L_{27}	2.99	4.97	3.00	5.05	3.96	6.62	2.24	3.74	3.86	6.43	2.24	3.74	10.74	11.25	23.68	7.06	7.27	13.42	6.48	6.27	10.89	4.96	4.99	5.93
			L_{27} - L_{28}	2.95	4.95	4.34	7.23	3.48	5.78	2.04	3.42	3.12	5.18	2.05	3.40	11.55	15.83	12.56	7.40	10.66	8.05	6.50	9.40	6.78	4.84	7.30	5.37
			L_{28} - L_{29}	3.15	5.24	4.99	8.33	2.59	4.28	2.10	3.51	4.25	7.10	8.57	14.32	12.34	19.13	10.29	8.07	12.49	6.55	6.90	10.62	5.90	5.08	8.20	4.44
			L_{29} - L_{30}	2.68	4.44	5.71	9.49	3.76	6.19	1.70	2.82	1.69	2.82	1.70	2.81	10.29	23.07	16.17	6.76	14.73	10.01	5.86	12.00	8.19	4.35	9.99	5.24
		Span 9	L_{30} - L_{31}	4.42	7.32	6.66	11.12	5.22	8.70	2.05	3.40	2.06	3.42	2.04	3.40	17.33	29.05	20.38	11.49	18.13	12.78	9.76	17.55	11.42	7.00	8.73	8.64
			L_{31} - L_{32}	5.27	8.81	4.73	7.90	5.74	9.59	2.74	4.53	4.52	7.53	6.32	10.55	20.72	17.67	21.38	13.62	11.81	14.16	11.58	10.01	12.42	8.55	7.90	10.88
			L_{32} - L_{33}	3.84	6.37	8.13	13.51	3.74	6.23	2.47	4.12	2.46	4.11	3.29	5.52	15.03	27.92	14.25	9.81	16.45	9.33	8.38	14.56	8.03	6.18	12.16	6.02
			L_{33} - L_{34}	2.91	4.82	7.40	12.36	2.84	4.72	2.70	4.48	3.77	6.22	2.62	4.38	11.37	22.39	10.78	7.60	15.57	7.15	6.27	15.28	6.13	5.01	38.84	4.67
			L_{34} - L_{35}	3.34	5.59	3.89	6.48	3.75	6.21	3.61	6.01	3.62	5.99	3.43	5.70	12.35	16.44	12.74	8.03	10.90	9.36	6.85	8.41	7.66	6.28	6.41	6.11
			L_{35} - L_{36}	2.65	4.39	3.01	5.03	2.65	4.43	2.90	4.83	3.31	5.49	2.88	4.81	10.35	9.88	9.62	6.15	7.30	7.22	5.43	6.39	5.87	5.40	5.72	6.24
			L_{36} - L_{37}	2.31	3.87	2.95	4.88	2.32	3.84	2.45	4.05	3.50	5.86	2.44	4.06	8.26	10.15	9.03	5.68	7.12	5.79	4.89	5.13	4.86	4.93	5.34	4.82
			L_{37} - L_{38}	2.42	4.02	2.89	4.86	2.36	3.94	2.58	4.32	2.57	4.33	2.60	4.30	8.74	9.87	8.71	5.56	6.87	5.59	4.84	5.42	4.80	4.39	5.40	4.51
			L_{38} - L_{39}	2.42	4.00	2.42	4.00	2.61	4.38	2.77	4.62	2.77	4.62	2.78	4.66	8.96	8.87	8.90	5.88	5.95	5.90	5.05	5.32	5.55	4.81	5.08	5.59
			L_{39} - L_{40}	2.53	4.18	2.53	4.21	2.79	4.65	3.10	5.17	3.10	5.16	3.09	5.16	9.07	9.28	9.05	6.21	6.33	6.17	5.34	5.35	5.20	4.54	4.86	4.53
			L_{40} - L_{41}	2.35	3.91	2.35	3.91	2.88	4.82	3.18	5.35	3.18	5.35	4.21	6.98	8.60	9.00	9.87	5.71	5.71	6.06	5.05	5.00	5.04	4.36	4.48	6.46
			L_{41} - L_{42}	2.85	4.76	2.86	4.76	3.46	5.74	4.25	7.07	4.20	7.07	4.23	7.04	9.77	9.77	11.28	7.00	6.41	7.00	5.84	5.76	7.34	5.20	5.24	7.83
			L_{42} - L_{43}	2.80	4.68	2.80	4.68	4.06	6.75	5.18	8.64	5.61	9.36	5.61	9.33	9.49	9.49	14.35	6.58	6.58	8.64	5.90	5.99	6.88	5.58	5.76	7.35
			L_{43} - L_{44}	8.98	14.90	7.83	13.02	8.69	14.52	6.78	11.24	6.73	11.30	6.74	11.31	32.71	25.19	31.89	22.83	17.89	22.17	19.09	15.05	19.52	13.12	12.63	12.98
	Unit 3	Span 10	L_0 - L_1	5.71	9.52	7.50	12.49	7.47	12.49	6.06	10.11	7.05	11.82	7.07	11.72	24.44	26.22	26.89	15.96	17.54	17.48	13.79	15.54	15.65	9.65	11.17	11.20
			L_1 - L_2	3.71	6.19	5.16	8.55	3.19	5.34	3.54	5.91	6.74	11.22	6.71	11.18	14.57	18.50	10.03	9.48	11.11	7.47	8.09	9.32	6.10	6.13	10.55	8.36
			L_2 - L_3	3.09	5.09	3.75	6.24	3.06	5.12	4.59	7.60	5.18	8.64	5.14	8.55	11.13	14.57	11.86	7.23	8.66	7.55	6.46	8.14	7.16	6.14	7.25	6.54
			L_3 - L_4	2.51	4.20	3.33	5.56	2.48	4.14	3.79	6.29	3.77	6.32	3.78	6.29	9.15	9.89	8.92	5.76	7.72	5.86	5.07	6.29	5.43	5.20	5.67	5.78
			L_4 - L_5	2.66	4.44	2.83	4.71	2.68	4.49	3.84	6.41	3.88	6.42	3.86	6.38	9.18	9.25	10.42	6.67	6.28	6.68	5.53	5.69	6.32	5.35	5.38	5.95
			L_5 - L_6	2.13	3.54	2.05	3.41	2.40	4.02	2.49	4.15	2.52	4.19	2.52	4.20	7.63	7.20	7.56	4.86	5.10	5.40	4.19	4.21	4.51	3.94	4.07	4.17
			L_6 - L_7	1.75	2.90	1.75	2.91	1.99	3.29	2.19	3.66	2.19	3.67	3.28	5.45	6.74	6.36	6.56	4.32	4.26	4.35	3.69	3.81	4.10	3.57	3.88	4.28
			L_7 - L_8	1.85	3.10	1.85	3.10	2.30	3.84	2.75	4.55	2.75	4.55	3.33	5.55	7.06	6.75	7.04	4.55	4.74	5.00	4.17	3.94	4.18	3.88	3.89	3.88
			L_8 - L_9	1.65	2.74	1.97	3.29	1.82	3.02	2.71	4.52	2.70	4.49	7.10	11.94	5.90	6.58	6.14	4.00	3.94	3.86	3.39	3.54	4.05	3.14	3.53	5.08
			L_9 - L_{10}	2.60	4.37	2.58	4.30	2.85	4.75	3.44	5.74	3.41	5.64	3.43	5.75	10.61	9.71	10.64	6.80	6.30	6.80	5.72	5.46	6.17	5.20	4.85	5.21
			L_{10} - L_{11}	4.08	6.77	4.05	6.79	4.37	7.33	2.81	4.69	4.83	8.03	4.77	8.05	15.06	14.28	21.48	10.39	9.54	13.37	8.85	8.49	10.87	7.01	7.66	8.01
			L_{11} - L_{12}	2.34	3.96	4.19	6.96	2.68	4.49	1.74	2.89	2.46	4.12	1.74	2.89	9.26	16.97	10.95	6.06	11.01	6.89	5.15	9.28	6.81	3.91	5.67	4.23
		Span 11	L_{12} - L_{13}	2.49	4.16	4.35	7.27	4.51	7.55	1.71	2.83	1.70	2.83	1.69	2.85	9.74	17.29	15.43	6.37	11.98	10.04	5.43	11.06	8.58	4.16	6.01	6.35
			L_{13} - L_{14}	2.49	4.20	6.56	11.00	2.44	4.06	2.31	3.83	2.66	4.41	2.65	4.44	8.65	34.25	9.39	5.82	18.48	6.19	4.92	22.24	5.32	4.12	7.74	4.19
			L_{14} - L_{15}	1.69	2.79	1.70	2.81	1.70	2.82	1.74	2.91	2.01	3.36	1.75	2.90	6.72	6.77	6.76	4.39	4.41	4.39	3.73	3.76	3.77	2.82	2.84	2.85
			L_{15} - L_{16}	1.59	2.64	1.63	2.70	1.55	2.58	1.57	2.64	4.02	6.65	1.57	2.64	5.96	10.15	5.62	3.86	7.80	3.71	3.39	6.86	3.25	2.72	2.70	2.64
			L_{16} - L_{17}	1.73	2.89	2.18	3.66	1.99	3.31	2.65	4.41	2.64	4.38	2.63	4.39	5.79	6.65	5.77	4.07	4.70	4.01	3.36	4.38	3.34	3.50	4.70	3.51
			L_{17} - L_{18}	1.79	2.99	2.09	3.46	2.02	3.36	2.97	4.95	2.96	4.96	2.99	4.97	6.25	6.72	6.67	4.20	4.19	4.14	3.57	3.71	3.55	3.54	3.97	3.54
			L_{18} - L_{19}	1.85	3.09	1.84	3.06	2.58	4.30	3.10	5.19	3.09	5.19	3.10	5.15	5.97	5.97	6.65	4.01	4.01	4.38	3.65	3.65	4.75	3.66	3.73	5.11
			L_{19} - L_{20}	9.86	16.48	7.51	12.44	8.06	13.33	13.90	23.15	12.43	20.63	12.36	20.73	31.82	20.81	25.91	22.98	14.90	16.91	16.65	14.23	14.69	17.81	16.30	15.12

HAM-471-0025

Truss Member Rating Summary
As-Inspected North Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Verticals	Unit 1	Span 5	U_0 - L_0	0.84	1.41	0.88	1.46	0.88	1.47	1.50	2.52	1.49	2.52	1.51	2.51	3.12	3.23	3.21	2.00	1.99	1.98	1.82	2.02	1.93	1.70	1.85	1.85
			U_1 - L_1	1.78	2.95	2.00	3.34	1.78	2.97	2.83	4.74	2.83	4.72	2.83	4.72	6.45	7.13	7.10	4.16	4.62	4.62	3.75	3.87	3.89	3.93	4.21	4.21
			U_2 - L_2	2.82	4.69	3.38	5.63	2.86	4.80	4.17	6.96	4.18	6.96	4.17	6.93	9.19	10.01	10.03	6.36	7.37	7.37	5.54	6.03	6.01	5.15	6.08	6.08
			U_3 - L_3	4.40	7.39	5.03	8.38	5.03	8.38	5.88	9.77	5.88	9.80	5.87	9.79	13.61	17.88	17.02	8.35	10.78	10.81	7.36	9.04	8.98	7.12	12.96	9.79
			U_4 - L_4	2.58	4.32	5.04	8.40	5.07	8.39	2.73	4.54	2.73	4.55	2.73	4.56	7.76	12.78	12.67	4.46	9.79	9.75	4.04	9.51	9.56	4.63	10.43	10.41
			U_5 - L_5	1.60	2.68	1.65	2.75	1.66	2.76	1.80	3.01	1.80	3.03	1.80	3.02	5.55	5.65	5.67	3.61	3.64	3.62	3.17	3.19	3.15	3.54	3.40	3.41
			U_6 - L_6	1.40	2.34	1.46	2.43	1.44	2.41	1.42	2.35	1.42	2.36	1.51	2.51	4.51	4.60	4.53	3.12	3.11	3.11	2.78	2.75	2.75	2.56	2.79	2.80
			U_7 - L_7	0.94	1.57	0.96	1.60	0.96	1.60	1.26	2.09	1.24	2.05	1.24	2.07	3.34	3.35	3.37	2.27	2.27	2.27	1.99	2.01	1.98	1.81	1.79	1.81
			U_8 - L_8	2.29	3.82	2.49	4.14	2.48	4.13	2.18	3.63	3.19	5.31	3.18	5.31	8.16	9.48	10.57	5.52	6.12	6.05	4.77	5.57	5.49	4.07	4.19	4.21
		Span 6	U_9 - L_9	1.69	2.82	1.87	3.12	1.55	2.57	1.86	3.10	1.86	3.10	1.87	3.11	5.97	5.89	5.91	4.13	4.54	3.64	3.20	3.77	3.74	2.78	3.10	3.08
			U_{10} - L_{10}	1.57	2.62	2.06	3.43	1.58	2.64	2.27	3.80	2.28	3.81	2.38	3.97	5.81	7.70	7.65	3.78	4.50	5.25	3.66	4.37	3.59	3.61	3.60	3.60
			U_{11} - L_{11}	1.87	3.14	2.20	3.68	1.99	3.31	2.20	3.64	2.19	3.65	2.18	3.64	7.49	7.76	7.72	4.60	5.28	4.65	4.27	4.41	4.47	3.52	3.71	3.71
			U_{12} - L_{12}	1.84	3.05	1.90	3.20	1.92	3.15	1.99	3.33	1.99	3.33	1.99	3.32	6.90	7.28	7.32	4.58	4.61	4.61	3.81	3.91	3.87	3.55	3.71	3.40
			U_{13} - L_{13}	1.43	2.40	1.51	2.51	1.51	2.52	1.60	2.64	1.58	2.66	1.60	2.66	5.40	5.52	5.54	3.49	3.57	3.58	3.08	3.30	3.30	2.80	3.01	3.05
			U_{14} - L_{14}	2.66	4.43	6.29	10.45	6.28	10.52	3.04	5.06	3.05	5.09	3.06	5.10	7.09	17.78	19.96	4.74	12.91	20.76	4.69	12.03	11.97	4.65	12.40	12.43
			U_{15} - L_{15}	2.79	4.63	2.70	4.50	2.70	4.50	4.24	7.09	4.24	7.07	4.24	7.07	8.63	9.61	9.62	5.76	5.79	5.78	5.11	5.13	5.12	5.04	5.01	5.02
			U_{16} - L_{16}	1.72	2.86	1.78	2.96	1.79	2.98	1.99	3.34	2.00	3.31	2.00	3.32	6.02	6.02	6.09	4.09	4.10	4.06	3.59	3.59	3.60	3.35	3.35	3.35
			U_{17} - L_{17}	1.37	2.29	1.34	2.23	1.35	2.25	1.66	2.77	1.66	2.76	1.67	2.76	4.32	4.82	4.88	2.98	3.26	3.30	2.65	2.64	2.64	2.44	2.41	2.43
			U_{18} - L_{18}	1.48	2.48	1.48	2.44	1.48	2.47	1.81	2.99	1.81	3.01	1.81	2.99	5.08	5.50	5.10	3.38	3.40	3.40	2.95	2.95	2.96	2.53	2.56	2.54
			U_{19} - L_{19}	1.64	2.74	1.64	2.73	1.65	2.75	2.06	3.43	2.05	3.41	2.05	3.42	5.87	5.86	5.87	3.92	3.94	3.92	3.44	3.40	3.44	2.84	2.89	2.84
			U_{20} - L_{20}	1.12	1.86	1.17	1.98	1.18	1.97	1.33	2.20	1.32	2.20	1.32	2.20	4.18	4.10	4.17	2.81	2.81	2.82	2.46	2.44	2.47	1.90	1.99	1.97
		Span 7	U_0 - L_0	1.67	2.79	1.67	2.79	1.69	2.81	2.23	3.72	2.23	3.72	2.21	3.70	5.07	5.07	6.43	3.92	3.92	3.92	3.09	3.09	3.08	3.21	3.21	3.17
			U_1 - L_1	2.20	3.64	2.39	3.98	2.19	3.65	2.76	4.60	2.76	4.60	2.75	4.60	8.40	8.30	8.37	5.22	5.89	5.24	4.66	4.85	4.87	3.95	4.04	4.04
			U_2 - L_2	1.93	3.21	2.02	3.39	2.03	3.38	2.41	4.01	2.41	4.01	2.41	4.00	7.07	7.56	7.56	4.64	4.94	4.92	4.23	4.45	4.43	3.45	3.67	3.66
			U_3 - L_3	1.68	2.77	1.84	3.05	1.72	2.88	2.11	3.50	2.08	3.48	2.08	3.48	5.80	6.41	6.37	4.12	4.39	4.41	3.44	3.66	3.66	2.99	3.12	3.11
			U_4 - L_4	1.72	2.88	1.80	3.00	1.79	2.99	2.29	3.84	2.29	3.80	2.30	3.82	6.49	6.75	6.78	4.05	4.33	4.34	3.63	3.65	3.68	3.20	3.48	3.48
			U_5 - L_5	2.05	3.44	2.36	3.95	2.37	3.93	3.33	5.55	3.35	5.55	3.34	5.56	7.36	8.71	8.74	4.87	5.65	5.68	4.64	5.11	5.14	3.99	4.57	4.57
			U_6 - L_6	3.15	5.21	3.52	5.86	3.52	5.86	5.80	9.61	5.80	9.60	5.78	9.70	7.96	10.53	10.46	6.63	7.87	7.87	5.25	7.02	6.60	5.63	6.88	6.90
			U_7 - L_7	2.59	4.33	5.71	9.53	5.75	9.58	3.65	6.07	7.58	12.62	7.61	12.71	7.09	23.32	23.33	5.38	16.96	16.95	4.37	15.57	15.54	4.63	8.66	8.64
			U_8 - L_8	2.06	3.42	1.94	3.21	1.95	3.24	3.19	5.33	3.02	5.02	3.04	5.06	6.78	6.84	6.76	4.57	4.52	4.54	4.01	3.99	4.01	3.54	3.53	3.54
			U_9 - L_9	2.30	3.82	2.29	3.82	2.30	3.83	2.98	4.95	2.97	4.95	2.98	4.95	8.53	8.48	8.49	5.68	5.67	5.67	4.86	4.96	4.86	3.98	3.98	3.99
			U_{10} - L_{10}	2.36	3.94	2.38	3.96	2.37	3.95	2.87	4.79	2.87	4.77	2.87	4.77	8.16	8.95	8.95	5.59	5.59	5.41	4.88	4.87	4.80	3.99	3.99	4.00
			U_{11} - L_{11}	2.10	3.49	2.08	3.50	2.09	3.48	2.16	3.60	2.39	3.99	2.40	3.99	7.64	8.09	7.63	5.07	5.04	5.06	4.36	4.37	4.36	3.57	3.55	3.53
			U_{12} - L_{12}	2.14	3.56	2.16	3.58	2.16	3.57	2.22	3.70	2.23	3.72	2.42	3.99	8.03	8.11	8.03	5.00	5.38	5.37	4.44	4.69	4.46	3.57	3.55	3.58
			U_{13} - L_{13}	1.79	3.00	1.80	2.99	1.79	2.99	1.74	2.88	1.73	2.87	1.74	2.89	6.39	7.01	6.37	4.02	4.02	4.00	3.54	3.53	3.52	2.86	2.88	2.86
			U_{14} - L_{14}	2.58	4.30	2.96	4.92	2.96	4.94	2.21	3.68	3.16	5.26	3.16	5.29	9.75	12.63	12.50	6.52	8.27	8.31	5.32	7.10	7.18	4.10	5.54	5.56
			U_{15} - L_{15}	2.60	4.34	2.60	4.34	2.60	4.34	3.24	5.39	3.24	5.39	3.24	5.40	9.55	11.40	11.43	6.37	6.21	6.24	6.02	6.62	5.07	5.40	5.55	5.57
	Unit 2	Span 8	U_{16} - L_{16}	2.56	4.27	2.43	4.05	2.03	3.38	2.37	3.91	2.37	3.94	2.35	3.96	7.67	9.28	7.68	4.76	6.09	6.03	4.21	4.68	5.35	3.72	4.39	4.40
			U_{17} - L_{17}	2.09	3.48	2.20	3.67	1.95	3.24	2.00	3.34	2.01	3.37	2.00	3.38	8.04	8.32	8.33	4.71	5.40	5.41	4.58	4.86	4.32	3.80	4.07	4.08
			U_{18} - L_{18}	2.02	3.36	2.18	3.63	2.03	3.37	1.82	3.02	1.81	3.03	1.82	3.03	7.18	7.59	7.62	4.95	5.24	5.24	4.22	4.38	4.40	3.54	3.67	3.67
			U_{19} - L_{19}	1.77	2.94	1.84	3.05	1.84	3.07	2.14	3.58	2.14	3.56	2.13	3.58	6.61	6.97	6.96	4.33	4.46	4.43	3.83	3.77	3.79	3.25	3.54	3.24
			U_{20} - L_{20}	1.70	2.85	1.85	3.05	1.84	3.07	2.21	3.70	2.22	3.71	2.23	3.71	6.36	6.82	6.77	4.27	4.42	4.44	3.81	3.97	3.99	3.27	3.47	3.49
			U_{21} - L_{21}	2.00	3.37	2.21	3.67	2.02	3.36	2.54	4.23	2.55	4.23	2.55	4.22	6.39	7.41	7.34	4.82	5.14	5.15	3.96	4.31	4.26	3.57	3.86	3.84
			U_{22} - L_{22}	2.66	4.43	6.63	11.06	6.62	11.07	3.02	5.04	7.93	13.15	7.93	13.22	7.25	28.44	28.56	5.49	20.47	20.45	4.41	8.97	19.23	4.66	9.43	18.61
			U_{23} - L_{23}	2.18	3.62	2.22	3.71	2.22	3.68	3.35	5.63	3.37	5.61	3.36	5.60	7.57	7.60	7.59	5.07	5.10	5.09	4.51	4.51	4.49	4.07	4.12	4.09
			U_{24} - L_{24}	1.80	3.00	1.80	3.01	1.81	3.02	1.86	3.12	1.87	3.10	1.87	3.11	6.61	6.57	6.62	4.41	4.45	4.44	3.81	3.89	3.90	3.20	3.22	3.20
			U_{25} - L_{25}	1.78	2.97	1.79	2.97	1.79	2.97	2.07	3.44	2.07	3.43	2.07	3.43	6.24	6.63	6.22	4.13	4.12	4.15	3.59	3.60	3.60	3.05	3.04	3.07
			U_{26} - L_{26}	2.02	3.37	1.98	3.28	1.98	3.29	1.90	3.16	2.21	3.69	2.22	3.72	7.10	7.64	7.16	4.77	4.76	4.76	4.17	4.12	4.15	3.44	3.44	3.46
			U_{27} - L_{27}	2.07	3.45	2.07	3.47	2.06	3.46	2.05	3.41	2.05	3.40	2.04	3.41	7.76	7.70	7.70	5.12	5.14	5.17	4.39	4.50	4.40	3.52	3.54	3.52
			U_{28} - L_{28}	2.24	3.75	2.24	3.72	2.24	3.73	1.98	3.30	1.99	3.31	1.98	3.29	7.94	8.51	7.97	5.28	5.26	5.30	4.59	4.60	4.58	3.71	3.73	3.75
			U_{29} - L_{29}	2.18	3.63	2.38	3.96	2.38	3.97	2.60	4.32	2.60	4.33	2.58	4.30	8.86	8.84	8.91	5.93	5.97	5.93	4.86	4.87	4.87	4.00	4.01	4.00
		Span 9	U_{30} - L_{30}	3.17	5.28	3.48	5.81	3.48	5.85	2.39	3.98	4.67	7.80	4.68	7.80	10.29	16.22	16.16	6.86	10.46	10.45	6.07	9.56	9.50	5.21	6.97	6.96
			U_{31} - L_{31}	2.79	4.63	2.22	3.73	2.22	3.71	2.83	4.73	2.84	4.72	2.83	4.70	9.01	8.51	8.48	6.27	6.96	5.24	4.67	5.18	5.15	4.08	4.15	5.01
			U_{32} - L_{32}	2.16	3.60	2.70	4.51	2.17	3.61	2.52	4.19	2.52	4.21	2.52	4.17	7.84	10.13	10.07	5.28	5.98	5.98	4.82	5.77	4.83	4.66	4.60	4.56
			U_{33} - L_{33}	2.32	3.87	2.73	4.57	2.34	3.92	2.43	4.06	2.44	4.05	2.41	4.04	7.56	9.88	9.81	6.37	6.71	5.53	5.36	5.65	5.69	4.36	4.55	4.57
			U_{34} - L_{34}	2.72	4.58	2.83	4.74	2.84	4.74	3.44	5.73	3.44	5.69	3.44	5.72	10.49	10.85	10.97	6.90	6.96	6.99	5.31	5.93	5.94	4.80	5.20	4.81
			U_{35} - L_{35}	2.42	4.04	2.53	4.20	2.52	4.20	3.23	5.39	3.23	5.36	3.23	5.38	9.22	9.53	9.49	6.14	6.16	6.17	5.28	5.55	5.51	4.29	4.62	4.59
			U_{36} - L_{36}	2.01	3.34	2.15	3.59	2.00	3.35	2.82	4.72	2.82	4.72	2.81	4.68	7.22	7.44	7.41	4.90	5.11	5.11	4.20	4.26	4.25	3.67	3.72	3.70
			U_{37} - L_{37}	2.80	4.68	5.29	8.83	7.00	11.62	3.61	6.00	7.95	13.21	7.95	13.23	7.22	22.20	22.24	5.63	14.61	14.55	4.38	14.45	14.47	4.80	14.01	14.04
			U_{38} - L_{38}	2.97	4.93	2.88	4.80	2.88	4.80	5.74	9.62	5.76	9.59	5.75	9.57	8.94	8.93	9.91	6.39	6.37	6.35	5.44	5.45	5.46	5.90	5.93	5.93
			U_{39} - L_{39}	2.65	4.43	2.67	4.45	2.66	4.44	3.16	5.23	3.15	5.23	3.15	5.23	9.53	9.53	9.59	6.28	6.45	6.43	5.54	5.70	5.67	4.84	4.85	4.83
			U_{40} - L_{40}	1.92	3.20	1.92	3.20	1.92	3.21	2.46	4.10	2.48	4.13	2.46	4.10	6.61	7.10	7.08	4.38	4.41	4.38	3.85	3.82	3.84	3.33	3.33	3.34
			U_{41} - L_{41}	1.69	2.79	1.79	2.98	1.79	2.98	2.19	3.64	2.19	3.65	2.17	3.62	6.42	6.40	6.39	4.28	4.28	4.27	3.75	3.73	3.75	3.17	3.18	3.17
			U_{42} - L_{42}	1.92	3.21	1.93	3.22	1.91	3.20	2.33	3.90	2.33	3.87	2.31	3.86	7.41	7.14	7.15	4.75	4.76	4.77	4.08	4.19	4.08	3.28	3.30	3.29
			U_{43} - L_{43}	2.11	3.52	2.10	3.48	2.11	3.52	2.53	4.20	2.52	4.19	2.53	4.20	7.40	7.94	7.39	4.95	4.94	4.95	4.31	4.32	4.31	3.51	3.53	3.53
			U_{44} - L_{44}	1.70	2.84	1.79	2.99	1.80	3.01	1.90	3.17	1.91	3.17	1.91	3.18	6.33	6.17	6.33	4.27	4.21	4.24	3.70	3.68	3.71	2.97	2.96	2.97
	Unit 3	Span 10	U_0 - L_0	1.41	2.34	1.41	2.34	1.40	2.33	2.40	4.00	2.40	4.00	2.41	4.01	5.19	5.19	5.20	4.09	4.09	4.14	3.23	3.23	3.23	2.71	2.71	2.68
			U_1 - L_1	2.11	3.53	2.15	3.58	2.17	3.59	2.82	4.70	2.83	4.70	2.82	4.68	7.31	8.11	8.06	5.15	5.18	5.18	4.29	4.79	4.29	3.78	4.06	4.05
			U_2 - L_2	1.79	3.00	1.93	3.23	1.92	3.22	2.38	3.94	2.36	3.96	2.37	3.93	6.79	7.29	7.27	4.41	4.65	4.62	3.82	3.89	3.89	3.38	3.72	3.72
			U_3 - L_3	1.41	2.37	1.59	2.65	1.58	2.63	1.98	3.31	1.99	3.32	1.99	3.32	5.47	5.79	5.86	3.31	3.73	3.74	3.14	3.43	3.47	2.77	3.07	3.09
			U_4 - L_4	1.82	3.05	2.00	3.33	2.01	3.35	2.46	4.10	2.46	4.12	2.47	4.11	6.02	6.77	6.77	4.41	4.66	4.65	3.67	3.92	3.90	3.44	3.57	3.57
			U_5 - L_5	2.24	3.74	2.52	4.21	2.52	4.21	3.29	5.48	3.30	5.46	3.29	5.48	8.07	9.29	9.30	4.86	5.86	5.82	4.44	4.94	4.93	4.70	5.56	5.55
			U_6 - L_6	2.39	3.98	6.31	10.54	6.32	10.51	2.96	4.92	2.38	3.98	2.38	3.95	7.98	30.36	30.20	4.63	12.76	23.92	4.34	12.15	12.14	4.84	12.66	12.54
			U_7 - L_7	1.73	2.89	1.74	2.89	1.73	2.90	1.97	3.32	1.99	3.29	1.99	3.29	6.34	6.27	6.24	4.09	4.24	4.22	3.54	3.54	3.53	3.22	3.22	3.25
			U_8 - L_8	2.06	3.43	2.03	3.40	2.03	3.38	1.94	3.21	1.93	3.21	1.93	3.23	6.92	6.89	6.93	4.61	4.59	4.60	4.03	4.05	4.04	3.61	3.57	3.60
			U_9 - L_9	2.10	3.50	2.07	3.44	2.07	3.44	2.18	3.63	2.19	3.65	2.19	3.64	7.45	8.07	7.42	4.93	4.96	4.94	4.31	4.80	4.32	3.63	3.63	3.65
			U_{10} - L_{10}	2.19	3.67	2.21	3.64	2.20	3.67	2.42	4.02	2.43	4.04	2.51	4.18	7.10	8.22	8.26	5.33	5.46	5.51	4.62	4.79	4.64	3.75	3.73	3.73
			U_{11} - L_{11}	1.56	2.61	1.56	2.59	1.55	2.60	1.78	2.98	1.75	2.94	1.76	2.92	5.55	5.50	5.57	3.65	3.68	3.66	3.20	3.19	3.19	2.61	2.61	2.61
			U_{12} - L_{12}	2.49	4.15	2.81	4.69	2.82	4.71	2.30	3.84	2.99	5.00	3.00	5.01	9.10	10.94	10.90	6.24	7.12	7.08	5.47	6.22	6.23	4.05	5.00	5.03
		Span 11	U_{13} - L_{13}	1.69	2.83	1.69	2.83	1.70	2.82	2.16	3.59	2.16	3.59	2.14	3.60	6.03	6.52	6.47	4.16	3.90	3.94	3.48	3.86	3.83	3.24	3.55	3.56
			U_{14} - L_{14}	1.95	3.24	2.02	3.38	2.03	3.39	2.41	4.00	2.31	3.82	2.66	4.43	7.29	7.49	6.07	4.68	4.86	4.89	3.38	4.28	4.25	3.89	3.96	4.01
			U_{15} - L_{15}	1.73	2.86	1.97	3.29	1.98	3.31	2.03	3.37	2.03	3.37	2.02	3.38	6.22	7.04	7.03	4.23	4.47	4.44	3.71	4.27	3.75	3.72	4.72	4.67
			U_{16} - L_{16}	3.06	5.10	6.35	10.54	4.00	6.63	2.85	4.75	2.85	4.74	2.86	4.79	6.48	15.14	15.14	4.86	13.34	13.25	4.81	11.52	11.51	4.47	9.84	14.53
			U_{17} - L_{17}	2.96	4.91	3.67	6.11	3.67	6.11	5.36	8.99	4.09	6.83	4.11	6.81	11.03	11.08	11.06	7.87	7.81	7.82	8.18	7.81	7.81	9.46	9.55	9.53
			U_{18} - L_{18}	2.42	4.07	2.85	4.75	2.85	4.75	2.77	4.62	2.79	4.61	2.77	4.62	9.28	9.29	9.31	6.21	6.40	6.46	5.67	5.85	5.88	5.22	5.77	5.79

HAM-471-0025

Truss Member Rating Summary
As-Inspected North Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Diagonals	Unit 1	Span 5	U_0 - L_1	2.19	3.65	2.20	3.66	2.20	3.66	3.29	5.44	3.26	5.45	3.26	5.45	7.89	8.34	8.92	5.03	4.78	4.78	4.35	4.95	4.95	4.51	4.90	4.90
			U_1 - L_2	2.20	3.69	2.33	3.88	2.65	4.45	3.48	5.79	3.48	5.80	3.47	5.77	7.14	8.42	7.95	4.96	6.38	5.65	4.28	4.50	4.86	4.35	4.84	4.63
			U_2 - L_3	3.39	5.65	3.76	6.28	4.46	7.37	4.72	7.87	4.70	7.85	5.62	9.41	12.41	12.14	13.51	7.48	10.72	9.48	6.71	7.42	10.03	7.48	7.71	11.59
			U_3 - L_4	2.02	3.37	3.90	6.47	3.88	6.50	3.58	5.96	3.60	6.00	3.61	6.00	5.77	15.95	7.98	4.15	10.30	5.03	3.77	8.65	4.11	4.49	7.51	5.90
			U_4 - L_4	1.64	2.73	1.74	2.88	2.72	4.55	1.97	3.29	2.16	3.62	2.19	3.65	5.39	6.46	20.01	4.02	4.89	11.76	3.34	3.95	7.52	3.70	4.12	5.80
			U_5 - L_5	1.81	3.02	1.82	3.04	1.95	3.24	1.84	3.08	2.03	3.38	1.85	3.06	6.43	7.53	6.17	4.23	4.66	4.55	3.69	3.88	3.63	3.99	3.84	3.99
			U_6 - L_6	1.49	2.48	1.44	2.42	1.48	2.48	1.86	3.10	1.82	3.03	1.98	3.29	5.02	5.50	5.10	3.41	3.56	3.48	3.03	3.07	3.08	2.71	2.86	2.90
			U_7 - L_7	1.52	2.53	1.49	2.49	1.60	2.69	1.86	3.08	1.86	3.11	2.13	3.56	5.43	5.36	5.69	3.66	3.86	3.85	3.21	3.24	3.40	2.88	2.76	2.97
		Span 6	U_8 - L_9	2.62	4.40	2.71	4.50	2.63	4.35	2.88	4.77	3.25	5.41	2.87	4.80	10.01	10.54	9.95	5.95	6.69	5.94	5.28	5.87	5.47	4.48	4.74	4.98
			U_9 - L_{10}	2.51	4.22	2.80	4.66	2.76	4.59	2.84	4.71	3.07	5.12	2.82	4.73	9.73	10.67	10.88	5.93	7.12	6.44	5.32	5.94	5.43	4.69	5.09	5.16
			U_{10} - L_{11}	2.45	4.09	2.68	4.42	2.67	4.45	2.57	4.26	2.81	4.74	2.57	4.28	8.81	8.66	9.69	6.03	6.38	6.67	5.03	5.45	5.66	4.14	4.14	4.56
			U_{11} - L_{12}	2.09	3.49	2.56	4.30	2.32	3.84	2.39	3.94	2.53	4.21	2.39	3.96	8.02	8.30	8.41	5.05	5.53	5.56	4.64	4.41	4.68	3.92	3.78	4.60
			U_{12} - L_{13}	1.74	2.90	1.74	2.90	1.95	3.26	2.01	3.36	2.01	3.36	2.01	3.35	6.43	6.60	6.96	4.30	4.30	4.53	3.83	4.01	4.25	3.42	3.96	3.97
			U_{13} - L_{14}	1.71	2.83	1.68	2.79	1.98	3.32	1.97	3.27	1.96	3.27	1.96	3.29	5.93	5.87	7.23	4.03	4.50	4.53	3.38	3.35	4.37	3.21	3.24	4.64
			U_{14} - L_{14}	2.11	3.53	2.52	4.22	2.66	4.43	4.21	7.05	4.64	7.71	10.52	17.56	7.48	8.03	9.23	4.66	5.22	5.75	4.77	4.48	4.65	4.80	5.77	4.76
			U_{15} - L_{15}	1.85	3.11	2.05	3.44	2.09	3.49	2.27	3.79	2.27	3.79	2.26	3.81	5.99	6.78	7.65	3.84	4.57	4.42	3.72	4.05	4.02	3.58	4.09	3.99
			U_{16} - L_{16}	1.33	2.21	1.33	2.21	1.40	2.35	1.61	2.67	1.61	2.67	1.61	2.66	4.90	5.18	4.87	3.35	3.39	3.34	2.93	2.89	2.94	2.60	2.58	2.60
			U_{17} - L_{17}	1.49	2.46	1.49	2.46	1.54	2.55	1.75	2.91	1.75	2.91	1.76	2.92	5.60	5.45	5.61	3.61	4.00	3.60	3.12	3.32	3.11	2.75	2.69	2.75
			U_{18} - L_{18}	1.45	2.40	1.46	2.43	1.52	2.53	1.68	2.78	1.68	2.80	1.69	2.80	5.16	5.17	5.15	3.44	3.62	3.44	3.01	3.13	3.04	2.62	2.55	2.60
			U_{19} - L_{19}	1.54	2.57	1.67	2.77	1.54	2.57	1.87	3.11	3.02	5.04	1.87	3.11	5.80	5.85	5.80	3.91	3.94	3.92	3.39	3.70	3.39	2.75	2.77	2.75
	Unit 2	Span 7	U_0 - L_1	2.36	3.93	2.27	3.76	2.27	3.76	2.90	4.82	2.87	4.82	2.87	4.82	8.93	9.06	8.75	5.71	5.64	5.64	4.96	4.89	4.89	4.13	4.11	4.11
			U_1 - L_2	2.21	3.69	2.23	3.71	2.21	3.69	2.89	4.84	2.89	4.85	2.89	4.84	8.30	8.55	8.30	5.40	5.41	6.04	4.96	4.74	4.96	4.04	4.01	4.18
			U_2 - L_3	1.92	3.18	1.92	3.18	1.92	3.18	2.47	4.14	2.47	4.14	2.47	4.14	6.96	6.85	7.51	4.80	4.68	4.95	3.97	3.97	4.06	3.39	3.39	3.69
			U_3 - L_4	1.85	3.07	1.85	3.07	2.00	3.36	2.41	4.04	2.41	4.04	2.42	4.02	7.02	7.02	7.60	4.52	4.52	4.80	3.88	4.10	4.05	3.50	3.56	3.47
			U_4 - L_5	2.03	3.40	2.03	3.40	2.21	3.70	3.07	5.10	3.07	5.10	3.07	5.08	7.69	7.69	8.19	5.15	5.30	5.27	4.43	4.43	4.85	3.89	3.89	4.32
			U_5 - L_6	2.92	4.88	3.04	5.07	3.31	5.49	4.58	7.69	4.59	7.67	4.61	7.69	10.05	10.06	11.51	6.91	6.83	7.56	5.85	5.76	6.25	5.49	5.52	5.88
			U_6 - L_7	1.93	3.22	1.98	3.31	1.98	3.30	4.56	7.61	5.48	9.14	4.47	7.52	6.62	7.86	6.70	4.36	4.64	4.62	3.94	4.13	3.93	3.81	3.81	3.84
			U_7 - L_7	1.95	3.29	2.35	3.90	2.19	3.63	3.84	6.44	3.57	5.97	3.16	5.24	6.65	9.88	8.18	4.94	6.06	5.30	4.06	5.00	4.90	3.73	4.71	4.86
			U_8 - L_8	1.82	3.04	1.78	2.97	1.82	3.04	2.13	3.51	2.12	3.53	3.00	5.01	6.59	7.00	6.92	4.40	4.52	4.40	3.86	3.86	3.80	3.28	3.35	3.41
			U_9 - L_9	1.91	3.19	1.90	3.19	1.91	3.19	2.27	3.77	2.27	3.77	3.04	5.10	7.19	7.12	7.19	4.65	5.29	4.77	3.98	4.41	4.21	3.35	3.41	3.35
			U_{10} - L_{10}	1.89	3.17	1.87	3.11	1.89	3.17	2.02	3.36	2.02	3.35	2.76	4.55	6.64	6.66	7.22	4.41	4.73	4.41	3.88	4.01	3.88	3.20	3.14	3.20
			U_{11} - L_{11}	1.85	3.07	1.82	3.05	1.85	3.09	1.92	3.20	1.99	3.33	1.92	3.21	6.81	7.24	6.79	4.52	4.68	4.52	3.97	3.97	3.98	3.07	3.14	3.09
			U_{12} - L_{12}	1.57	2.63	1.58	2.63	1.57	2.63	1.73	2.85	1.73	2.85	1.68	2.79	5.91	5.94	5.91	3.89	3.89	3.89	3.32	3.58	3.32	2.63	2.73	2.66
			U_{13} - L_{13}	1.98	3.29	2.05	3.42	1.99	3.34	2.13	3.55	2.11	3.52	2.21	3.67	7.18	7.39	7.25	4.76	4.87	4.82	4.10	4.21	4.15	3.26	3.29	3.27
		Span 8	U_{14} - L_{15}	2.61	4.34	2.73	4.57	2.75	4.54	3.21	5.36	3.76	6.28	3.20	5.32	9.70	9.73	9.77	6.59	6.77	6.83	5.61	5.74	5.69	4.77	4.99	5.00
			U_{15} - L_{16}	2.35	3.91	2.27	3.79	2.27	3.79	2.55	4.29	2.56	4.27	2.56	4.27	8.89	8.53	9.18	5.60	5.60	5.81	4.89	4.92	4.92	4.32	4.32	4.27
			U_{16} - L_{17}	2.08	3.47	2.08	3.47	2.19	3.68	2.06	3.44	2.06	3.43	2.07	3.44	7.94	7.93	8.34	5.39	5.28	5.42	4.62	4.64	4.86	3.78	3.77	3.79
			U_{17} - L_{18}	2.03	3.39	1.95	3.28	2.03	3.41	1.82	3.05	1.82	3.04	1.82	3.03	6.75	6.70	7.60	4.80	4.97	5.20	3.94	3.94	4.42	3.35	3.34	3.71
			U_{18} - L_{19}	2.03	3.39	2.03	3.37	2.27	3.75	2.47	4.10	2.47	4.11	2.66	4.42	7.67	8.38	8.15	4.88	4.89	5.45	4.53	4.37	4.49	3.84	3.78	3.83
			U_{19} - L_{20}	1.97	3.27	1.97	3.27	2.23	3.69	2.53	4.24	2.53	4.24	2.54	4.23	7.30	7.50	8.31	5.00	5.00	5.10	4.40	4.80	4.75	3.78	3.78	4.34
			U_{20} - L_{21}	1.98	3.30	2.00	3.33	1.98	3.30	2.45	4.09	2.44	4.07	2.45	4.09	6.67	6.70	7.11	4.64	5.00	5.06	3.89	3.88	4.25	3.54	3.55	3.88
			U_{21} - L_{22}	2.65	4.41	2.65	4.41	2.94	4.89	3.95	6.55	3.95	6.55	5.37	9.03	9.80	11.71	12.35	6.39	6.33	7.15	5.42	5.90	6.09	5.23	5.51	5.91
			U_{22} - L_{22}	2.43	4.07	3.05	5.08	3.24	5.38	5.43	9.03	4.51	7.51	5.46	9.11	8.12	10.14	11.67	6.39	6.93	6.67	5.01	6.30	6.30	4.61	5.63	6.11
			U_{23} - L_{23}	1.87	3.11	1.94	3.23	1.92	3.20	2.13	3.54	2.13	3.55	2.12	3.55	6.81	6.81	7.20	4.18	4.58	4.54	3.52	4.12	3.98	3.27	3.79	3.60
			U_{24} - L_{24}	2.03	3.38	1.99	3.31	2.03	3.35	2.22	3.69	2.21	3.67	2.20	3.68	7.37	7.26	7.40	4.73	4.76	5.02	4.09	4.11	4.27	3.56	3.61	3.53
			U_{25} - L_{25}	2.11	3.50	2.10	3.49	2.11	3.50	2.22	3.73	2.24	3.71	2.22	3.73	7.17	7.20	7.13	4.79	5.30	4.80	4.21	4.46	4.20	3.60	3.59	3.61
			U_{26} - L_{26}	1.89	3.16	1.89	3.16	1.94	3.22	1.89	3.16	1.89	3.16	1.88	3.16	7.05	7.37	7.10	4.72	4.78	4.77	4.15	4.07	4.16	3.36	3.39	3.35
			U_{27} - L_{27}	2.12	3.50	2.12	3.52	2.12	3.50	1.89	3.15	1.90	3.17	1.88	3.15	7.91	7.79	7.90	5.16	5.17	5.14	4.43	4.44	4.46	3.57	3.67	3.57
			U_{28} - L_{28}	1.94	3.24	1.95	3.25	1.94	3.24	2.00	3.33	2.00	3.31	2.00	3.33	6.89	6.74	6.89	4.63	4.89	4.63	4.05	4.16	4.05	3.43	3.37	3.43
			U_{29} - L_{29}	2.29	3.83	2.30	3.83	2.34	3.88	2.52	4.20	2.69	4.48	2.75	4.58	8.25	8.29	8.47	5.53	5.54	5.69	4.81	4.80	4.95	3.87	3.89	4.00
		Span 9	U_{30} - L_{31}	2.92	4.88	2.88	4.83	3.02	5.06	3.21	5.36	3.63	6.03	3.23	5.40	11.40	11.58	11.50	7.15	7.28	7.31	6.25	6.37	6.43	5.23	5.39	5.40
			U_{31} - L_{32}	2.41	4.03	2.33	3.90	2.41	4.03	2.46	4.07	2.44	4.07	2.46	4.07	9.09	8.96	9.09	5.86	5.86	5.86	5.34	4.99	5.34	4.28	4.22	4.48
			U_{32} - L_{33}	2.48	4.17	2.48	4.17	2.48	4.17	2.36	3.92	2.35	3.90	2.36	3.92	9.40	8.97	9.40	6.23	6.12	6.48	5.44	5.19	5.44	4.25	4.25	4.55
			U_{33} - L_{34}	2.35	3.93	2.53	4.21	2.62	4.37	2.91	4.89	2.92	4.89	3.33	5.55	9.07	9.50	10.09	5.71	5.71	6.38	5.23	5.06	5.55	4.26	4.18	4.25
			U_{34} - L_{35}	2.26	3.74	2.26	3.74	2.48	4.11	3.00	5.01	3.03	5.01	3.35	5.55	8.38	8.64	9.47	5.65	5.74	5.80	4.94	5.51	5.31	4.09	4.07	4.49
			U_{35} - L_{36}	2.22	3.70	2.22	3.69	2.22	3.70	2.89	4.82	2.89	4.81	3.02	5.04	7.66	7.70	8.13	5.30	5.52	5.72	4.46	4.48	4.82	3.85	3.84	4.21
			U_{36} - L_{37}	2.28	3.82	2.28	3.79	2.46	4.10	3.77	6.29	3.77	6.29	4.15	6.93	8.62	10.28	10.33	5.65	5.60	6.53	4.94	5.15	5.25	4.47	4.52	5.07
			U_{37} - L_{37}	1.41	2.34	1.65	2.75	1.65	2.75	3.24	5.43	4.00	6.62	3.26	5.40	5.08	5.75	6.04	3.38	3.75	3.76	3.06	3.52	3.62	2.85	3.52	3.61
			U_{38} - L_{38}	2.64	4.42	3.03	5.07	2.65	4.42	3.58	5.97	3.56	5.96	3.57	5.95	7.64	10.47	9.37	5.79	7.14	7.23	4.69	5.84	5.84	4.92	5.95	5.94
			U_{39} - L_{39}	2.08	3.48	2.29	3.84	2.26	3.77	2.89	4.77	2.87	4.79	2.87	4.78	7.51	8.29	8.18	4.72	5.33	5.50	4.51	4.65	4.51	4.07	4.36	4.08
			U_{40} - L_{40}	1.82	3.04	1.85	3.07	1.90	3.17	2.10	3.48	2.10	3.48	2.10	3.48	6.38	6.38	6.40	4.26	4.26	4.26	3.76	3.76	3.73	3.29	3.26	3.29
			U_{41} - L_{41}	1.82	3.04	1.82	3.04	1.86	3.09	2.14	3.58	2.14	3.58	2.15	3.58	6.79	7.17	6.78	4.50	4.63	4.52	3.99	3.94	3.97	3.24	3.29	3.24
			U_{42} - L_{42}	2.01	3.34	1.95	3.26	2.01	3.34	2.27	3.80	2.28	3.77	2.27	3.80	7.32	7.29	7.52	4.80	4.80	5.01	4.16	4.39	4.16	3.41	3.39	3.41
			U_{43} - L_{43}	2.12	3.55	2.23	3.73	2.10	3.49	2.39	4.00	4.57	7.59	2.40	3.98	7.57	7.95	7.53	4.99	5.31	5.05	4.34	4.57	4.33	3.55	3.51	3.53
	Unit 3	Span 10	U_0 - L_1	2.11	3.52	1.98	3.29	1.98	3.29	2.83	4.73	2.85	4.73	2.85	4.73	7.77	7.19	7.19	5.38	5.12	5.12	4.47	4.24	4.24	3.91	3.53	3.53
			U_1 - L_2	2.11	3.52	2.05	3.41	2.15	3.60	2.91	4.85	2.91	4.85	2.89	4.83	7.83	7.66	8.15	5.06	5.08	5.05	4.34	4.37	4.34	3.85	3.83	3.83
			U_2 - L_3	1.85	3.08	1.85	3.08	2.00	3.34	2.72	4.53	2.72	4.53	2.72	4.54	7.03	7.03	8.01	4.84	4.78	5.08	4.13	4.16	4.17	3.61	3.61	4.24
			U_3 - L_4	1.81	3.00	1.86	3.09	1.81	3.00	2.38	3.99	2.39	3.97	2.38	3.99	6.16	6.24	6.62	4.23	4.29	4.80	3.58	3.58	3.95	3.37	3.34	3.64
			U_4 - L_5	2.16	3.60	2.16	3.60	2.45	4.08	3.16	5.23	3.16	5.23	3.16	5.27	7.98	7.98	9.04	5.06	5.06	5.67	4.66	4.78	4.68	4.54	4.76	4.50
			U_5 - L_6	2.93	4.87	2.94	4.87	3.57	5.92	5.44	9.07	5.43	9.08	9.23	15.43	10.26	10.95	10.25	6.98	7.71	6.98	6.19	7.21	6.19	6.45	8.07	6.83
			U_6 - L_7	1.82	3.00	1.90	3.18	1.96	3.27	2.13	3.53	2.13	3.57	2.61	4.35	5.45	7.23	7.11	4.02	6.21	5.23	3.40	4.87	4.51	3.37	3.99	4.86
			U_7 - L_7	1.80	2.99	1.93	3.20	1.96	3.27	1.85	3.11	1.85	3.07	1.86	3.09	6.31	6.95	7.12	3.97	4.54	4.72	3.79	3.97	3.99	3.45	3.72	3.47
			U_8 - L_8	2.01	3.36	1.97	3.29	1.90	3.15	2.13	3.56	2.20	3.67	2.13	3.54	7.05	7.85	6.96	4.74	5.02	5.15	4.15	4.28	4.34	3.77	3.73	3.51
			U_9 - L_9	2.21	3.69	2.21	3.69	2.14	3.56	2.43	4.07	2.47	4.15	2.44	4.05	8.19	8.66	8.75	5.51	6.49	5.70	4.82	5.33	5.38	3.93	3.98	4.21
			U_{10} - L_{10}	2.21	3.70	2.15	3.54	2.21	3.70	2.52	4.21	2.40	4.00	2.52	4.21	7.95	8.67	8.27	5.26	5.54	5.51	4.56	4.68	4.82	3.74	3.72	3.74
			U_{11} - L_{11}	2.35	3.88	2.39	3.96	2.35	3.87	2.57	4.27	2.54	4.24	2.74	4.59	8.51	8.43	8.50	5.57	5.49	5.60	4.83	5.19	4.84	3.92	3.95	3.88
		Span 11	U_{12} - L_{13}	2.41	3.99	2.52	4.18	2.55	4.25	3.04	5.02	3.42	5.73	3.09	5.16	8.07	8.40	9.39	5.67	6.08	6.12	4.81	4.94	5.08	4.42	4.55	5.09
			U_{13} - L_{14}	2.26	3.77	2.64	4.37	2.28	3.79	2.98	4.96	3.09	5.14	2.98	4.97	8.45	9.12	9.07	5.08	5.51	6.32	4.59	5.08	5.14	4.51	4.50	4.80
			U_{14} - L_{15}	2.16	3.60	2.16	3.61	2.48	4.13	2.44	4.07	2.98	4.96	2.43	4.04	8.00	8.74	8.91	5.39	5.40	5.65	4.69	5.29	5.42	4.85	5.72	5.96
			U_{15} - L_{16}	2.14	3.58	3.12	5.23	8.34	13.94	2.25	3.77	2.63	4.37	2.65	4.37	6.77	6.72	27.06	5.00	5.12	6.13	4.07	5.45	19.14	4.66	7.05	13.18
			U_{16} - L_{16}	1.73	2.89	2.88	4.80	2.03	3.39	2.99	4.99	3.42	5.69	4.83	8.05	6.60	12.54	8.50	3.66	8.58	5.31	3.30	7.64	7.27	4.25	7.10	5.97
			U_{17} - L_{17}	2.39	4.01	3.41	5.68	3.71	6.19	2.98	4.96	2.97	4.98	3.52	5.90	8.39	12.88	8.45	5.59	8.29	5.61	5.80	7.88	6.16	6.39	6.02	6.53
			U_{18} - L_{18}	1.86	3.09	1.86	3.09	2.11	3.52	2.47	4.13	2.47	4.13	2.48	4.13	7.04	6.87	8.66	4.53	5.11	5.67	3.98	4.23	3.95	3.86	3.86	4.13
			U_{19} - L_{19}	1.98	3.30	4.56	7.58	2.04	3.39	2.71	4.52	2.69	4.45	4.44	7.43	6.97	15.33	15.88	4.63	10.08	10.06	4.04	8.48	4.19	3.90	8.01	6.98

TranSystems

HAM-471-0025

Truss Member Rating Summary
As-Inspected Center Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Upper Chord	Unit 1	Span 5	$U_0 - U_1$	2.34	3.89	2.60	4.33	2.34	3.89	4.84	8.06	4.71	7.86	5.45	9.11	6.98	8.89	6.98	5.45	5.82	5.20	4.51	5.23	4.80	5.08	5.97	5.03
			$U_1 - U_2$	1.69	2.80	1.76	2.94	1.69	2.80	3.01	5.00	2.99	5.01	3.01	5.00	4.98	6.53	4.98	3.59	4.86	3.59	3.16	4.80	3.16	3.55	4.67	3.47
			$U_2 - U_3$	1.69	2.82	2.63	4.36	1.87	3.12	2.94	4.89	3.21	5.30	3.22	5.35	5.66	6.86	5.65	3.51	4.76	3.51	3.07	3.77	3.06	3.56	4.40	3.54
			$U_3 - U_4$	2.06	3.42	3.08	5.10	2.17	3.59	2.61	4.36	2.60	4.33	2.60	4.35	7.24	8.80	7.24	4.46	5.41	4.57	3.91	4.92	3.91	4.57	5.83	5.19
			$U_4 - U_5$	2.13	3.56	2.13	3.56	3.46	5.79	2.64	4.43	2.64	4.43	3.11	5.21	7.06	7.06	10.60	4.60	4.60	6.89	4.05	4.05	7.01	4.47	4.47	6.20
			$U_5 - U_6$	2.84	4.74	2.89	4.84	6.10	10.14	3.41	5.68	3.50	5.83	4.72	7.85	9.61	8.66	15.11	6.55	5.83	8.99	5.89	5.51	8.58	5.10	4.91	9.57
			$U_6 - U_7$	2.72	4.53	2.76	4.61	5.73	9.52	3.37	5.68	3.40	5.62	3.45	5.82	9.87	16.34	35.19	6.74	11.52	21.81	5.68	5.77	16.33	4.90	9.14	5.36
			$U_7 - U_8$	2.37	3.94	2.78	4.63	5.95	9.91	2.17	3.64	2.97	4.98	2.27	3.84	9.31	11.49	20.91	6.39	7.70	14.49	5.47	6.42	12.77	5.39	5.35	7.71
		Span 6	$U_8 - U_9$	3.07	5.12	6.96	11.54	3.95	6.64	2.17	3.62	2.17	3.62	4.24	7.07	10.50	25.85	13.73	6.86	15.40	9.53	6.13	15.40	8.65	6.29	8.01	7.44
			$U_9 - U_{10}$	3.60	6.00	10.03	16.79	3.91	6.48	5.09	8.49	5.27	8.76	5.83	9.75	12.34	20.95	12.72	8.14	12.30	9.10	7.49	11.87	7.81	7.06	35.02	7.35
			$U_{10} - U_{11}$	2.18	3.64	3.98	6.57	2.13	3.51	3.96	6.61	15.72	26.36	4.19	7.00	6.64	8.52	6.67	4.70	6.27	4.62	4.06	5.93	4.04	4.45	7.53	4.48
			$U_{11} - U_{12}$	1.75	2.93	2.69	4.48	1.75	2.93	2.79	4.66	2.71	4.53	2.70	4.49	6.19	8.08	6.19	3.99	5.42	3.99	3.44	5.07	3.44	3.77	4.91	3.78
			$U_{12} - U_{13}$	2.00	3.35	2.57	4.25	1.90	3.17	2.81	4.74	3.00	4.94	2.91	4.86	6.63	8.08	6.63	4.27	4.98	4.43	3.85	4.44	3.81	3.83	4.88	3.86
			$U_{13} - U_{14}$	1.92	3.21	2.61	4.35	1.89	3.16	2.12	3.55	2.38	3.97	2.14	3.56	6.16	7.24	6.08	4.15	5.19	4.12	3.76	4.60	3.75	3.72	4.26	3.75
			$U_{14} - U_{15}$	1.84	3.08	1.86	3.10	1.91	3.15	2.11	3.51	2.13	3.54	2.13	3.51	5.89	5.86	7.62	4.01	4.03	5.67	3.67	3.66	4.53	3.60	3.76	4.08
			$U_{15} - U_{16}$	1.85	3.09	1.94	3.23	1.84	3.07	2.50	4.16	3.36	5.60	2.52	4.20	6.06	6.45	8.46	4.26	4.37	5.38	3.48	3.78	4.34	3.39	3.73	5.97
			$U_{16} - U_{17}$	1.91	3.19	1.91	3.19	2.94	4.88	2.70	4.49	2.70	4.49	2.72	4.53	6.68	6.50	8.90	4.27	4.23	5.75	3.69	3.69	4.83	3.63	4.63	6.55
			$U_{17} - U_{18}$	1.78	2.96	1.77	2.96	2.44	4.06	2.64	4.42	2.84	4.72	2.65	4.39	5.48	5.49	6.41	3.67	3.66	4.64	3.33	3.49	4.24	3.16	3.13	4.06
			$U_{18} - U_{19}$	1.62	2.67	1.62	2.67	1.93	3.22	2.63	4.40	2.63	4.40	2.17	3.63	5.92	5.49	9.24	3.72	4.03	9.91	3.43	3.43	6.80	3.26	3.00	6.06
			$U_{19} - U_{20}$	3.40	5.67	3.37	5.59	4.93	8.27	6.63	10.96	6.63	10.99	9.08	15.07	13.72	12.52	16.37	9.44	8.51	10.89	8.45	7.90	9.91	7.84	6.80	9.31
		Span 7	$U_0 - U_1$	3.38	5.61	4.53	7.54	3.27	5.50	4.92	8.21	6.33	10.61	4.95	8.20	10.63	15.82	10.65	8.39	9.40	7.56	6.52	9.32	7.37	5.77	8.97	5.80
			$U_1 - U_2$	1.84	3.05	2.24	3.74	1.84	3.05	2.51	4.18	4.57	7.64	2.51	4.18	5.99	8.04	5.95	4.11	6.01	4.11	3.63	5.05	3.85	3.28	5.83	3.46
			$U_2 - U_3$	2.07	3.44	2.76	4.61	2.06	3.43	2.61	4.39	2.99	5.03	2.61	4.32	6.46	7.80	6.42	4.61	5.73	4.45	3.87	5.20	3.88	3.80	4.92	3.64
			$U_3 - U_4$	2.05	3.38	2.00	3.33	1.85	3.08	2.46	4.07	2.46	4.11	2.46	4.09	6.58	7.21	6.38	4.22	5.08	4.23	3.65	4.18	3.68	3.80	4.62	3.74
			$U_4 - U_5$	1.96	3.23	2.44	4.10	1.96	3.31	2.39	3.98	2.37	3.98	2.37	3.96	6.23	7.43	6.24	4.14	4.61	4.16	3.75	4.17	3.71	3.73	4.42	3.84
			$U_5 - U_6$	1.95	3.28	1.95	3.28	2.13	3.58	2.43	4.03	2.43	4.03	2.62	4.36	6.91	6.85	7.36	4.58	4.80	4.60	4.28	4.37	4.45	3.80	4.13	3.77
			$U_6 - U_7$	1.81	3.02	1.83	3.08	1.81	3.02	2.03	3.38	2.10	3.46	2.03	3.38	5.79	7.07	5.79	4.00	4.90	4.00	3.46	4.14	3.46	3.33	4.14	3.65
			$U_7 - U_8$	1.88	3.11	1.88	3.11	1.95	3.21	2.03	3.39	2.03	3.39	2.03	3.39	5.91	5.91	9.21	3.97	3.97	5.96	3.51	3.51	4.84	3.31	3.31	4.05
			$U_8 - U_9$	2.00	3.34	2.00	3.34	2.67	4.45	2.26	3.74	2.51	4.20	2.29	3.83	6.66	6.66	9.19	4.45	4.41	5.70	3.92	3.92	5.46	3.56	3.56	5.86
			$U_9 - U_{10}$	2.17	3.63	2.15	3.56	2.27	3.79	2.25	3.77	2.29	3.80	2.29	3.83	7.09	7.18	10.36	4.69	4.66	7.64	4.22	4.33	6.12	3.96	3.96	7.20
			$U_{10} - U_{11}$	2.96	4.96	2.91	4.82	3.08	5.14	3.66	6.09	3.66	6.06	3.64	6.07	9.70	9.73	16.58	6.71	6.66	9.73	5.75	5.77	8.09	5.64	5.64	8.70
			$U_{11} - U_{12}$	3.28	5.45	3.35	5.58	9.06	15.14	3.41	5.68	3.35	5.58	5.25	8.78	12.14	12.27	27.16	7.94	8.03	17.71	6.88	7.00	19.03	5.51	5.58	17.48
			$U_{12} - U_{13}$	3.95	6.59	3.85	6.48	6.32	10.60	3.58	5.97	4.03	6.73	3.95	6.59	13.12	29.09	21.59	8.58	19.13	14.19	7.69	15.16	12.26	7.82	6.12	11.65
			$U_{13} - U_{14}$	4.03	6.70	3.51	5.85	8.20	13.84	2.15	3.58	2.30	3.83	2.28	3.78	15.71	14.76	30.24	10.17	9.88	18.39	8.57	8.48	14.78	6.55	6.07	7.78
		Span 8	$U_{14} - U_{15}$	4.56	7.57	5.99	10.03	3.89	6.56	2.13	3.53	2.12	3.54	4.09	6.82	11.95	29.33	15.27	8.37	17.97	9.87	9.99	17.00	8.23	7.57	8.07	6.89
			$U_{15} - U_{16}$	4.30	7.10	5.31	8.93	4.77	7.99	3.93	6.55	6.91	11.53	6.70	11.23	14.19	17.31	16.03	9.26	11.87	10.41	8.20	10.20	9.35	9.53	8.66	7.67
			$U_{16} - U_{17}$	3.94	6.55	12.16	20.24	4.08	6.79	5.20	8.65	4.78	7.93	5.53	9.21	13.05	32.61	13.79	8.63	19.58	9.15	8.00	18.22	8.16	6.86	26.07	6.66
			$U_{17} - U_{18}$	3.73	6.25	6.45	10.75	3.67	6.12	3.94	6.52	9.09	15.15	3.82	6.37	11.83	15.99	12.24	8.41	11.30	8.27	7.38	10.50	7.19	5.85	13.01	5.94
			$U_{18} - U_{19}$	2.86	4.79	4.31	7.17	2.86	4.78	4.46	7.41	4.84	8.15	4.69	7.80	14.30	13.00	9.78	6.39	8.71	6.34	5.56	6.87	5.52	5.70	7.74	6.50
			$U_{19} - U_{20}$	2.42	4.06	3.12	5.23	2.35	3.92	3.51	5.83	3.53	5.86	3.51	5.86	7.93	10.14	7.92	5.25	5.71	5.24	4.76	5.12	4.74	4.77	5.38	4.79
	Unit 2		$U_{20} - U_{21}$	2.32	3.88	3.21	5.36	2.51	4.18	3.37	5.62	3.44	5.76	3.53	5.92	7.83	8.33	7.80	5.32	5.87	5.32	4.73	5.36	4.79	4.55	5.58	4.72
			$U_{21} - U_{22}$	2.07	3.45	2.12	3.52	2.07	3.45	2.37	3.96	2.65	4.40	2.37	3.96	6.98	7.76	6.96	4.73	5.45	4.73	4.08	4.58	4.08	4.08	4.84	4.30
			$U_{22} - U_{23}$	2.10	3.52	2.08	3.49	2.16	3.61	2.35	3.94	2.35	3.94	2.36	3.91	6.83	6.75	10.06	4.54	4.48	6.14	3.99	3.96	5.26	3.94	3.89	4.58
			$U_{23} - U_{24}$	2.25	3.77	2.27	3.77	3.05	5.09	2.98	4.96	6.09	10.20	2.99	4.96	6.85	7.46	9.74	4.68	4.64	6.18	4.19	4.10	6.11	4.07	4.07	6.50
			$U_{24} - U_{25}$	2.29	3.80	2.11	3.54	2.23	3.71	3.00	5.03	3.00	5.01	3.01	5.02	7.01	7.00	8.84	4.70	4.68	6.87	4.32	4.28	5.39	4.23	4.58	5.90
			$U_{25} - U_{26}$	2.73	4.56	2.65	4.40	4.65	7.74	4.54	7.59	4.83	8.02	5.22	8.70	8.74	8.69	12.08	5.88	5.88	8.52	5.12	5.13	7.42	5.17	5.13	7.60
			$U_{26} - U_{27}$	3.97	6.60	3.53	5.88	6.10	10.19	4.47	7.44	3.88	6.47	9.41	15.71	12.46	12.24	19.13	8.22	8.10	11.70	7.14	7.06	11.69	5.93	6.00	14.61
			$U_{27} - U_{28}$	4.23	7.07	4.30	7.16	15.40	25.70	4.73	7.80	5.57	9.24	5.38	8.95	13.97	14.17	32.96	9.27	9.49	20.62	8.52	8.53	19.24	6.80	6.85	30.30
			$U_{28} - U_{29}$	4.38	7.30	8.29	13.73	5.97	9.96	4.29	7.11	4.49	7.46	7.00	11.67	14.99	32.87	20.76	10.01	18.45	13.31	8.74	16.78	11.45	10.60	12.86	10.16
			$U_{29} - U_{30}$	4.69	7.92	3.78	6.30	7.31	12.15	2.19	3.67	2.16	3.60	2.22	3.72	15.16	16.79	24.53	9.40	10.96	15.30	10.10	8.95	12.45	7.55	6.68	8.24
		Span 9	$U_{30} - U_{31}$	4.40	7.29	4.67	7.84	3.93	6.55	2.25	3.77	2.26	3.76	3.86	6.42	12.80	17.57	15.77	11.20	11.61	9.87	9.66	10.29	9.08	7.29	8.89	7.00
			$U_{31} - U_{32}$	3.58	5.93	4.29	7.21	4.10	6.84	3.51	5.83	4.25	7.07	4.24	7.08	12.46	14.85	14.14	8.43	9.74	9.27	7.70	8.67	8.27	7.31	7.07	6.78
			$U_{32} - U_{33}$	3.42	5.71	9.85	16.42	3.53	5.89	3.26	5.42	5.39	8.98	3.57	5.89	11.27	20.64	12.37	7.52	15.51	8.36	6.53	14.52	7.21	5.33	17.83	5.77
			$U_{33} - U_{34}$	3.16	5.28	3.39	5.63	3.40	5.66	3.87	6.39	3.83	6.41	3.87	6.44	10.90	13.48	10.96	7.06	9.44	7.01	6.16	7.46	6.14	6.83	8.26	7.08
			$U_{34} - U_{35}$	2.32	3.88	3.45	5.75	2.32	3.88	2.74	4.56	2.74	4.56	2.74	4.56	7.77	11.17	7.77	5.17	6.44	5.32	4.70	5.92	4.66	4.70	6.47	4.77
			$U_{35} - U_{36}$	2.22	3.74	2.93	4.89	2.49	4.18	2.52	4.22	2.52	4.20	2.68	4.47	7.59	8.59	7.60	5.17	5.92	5.16	4.63	5.32	4.58	4.28	5.57	4.22
			$U_{36} - U_{37}$	1.96	3.29	2.08	3.46	1.96	3.29	2.25	3.74	2.27	3.77	2.27	3.76	6.63	8.69	6.63	4.51	5.65	4.51	3.89	4.50	3.89	3.75	4.70	3.75
			$U_{37} - U_{38}$	1.99	3.33	2.00	3.33	2.15	3.62	2.23	3.72	2.27	3.75	2.26	3.74	6.38	7.33	9.69	4.24	4.24	6.01	3.72	3.72	5.17	3.61	3.61	4.49
			$U_{38} - U_{39}$	2.32	3.84	2.41	3.99	2.10	3.50	2.45	4.07	2.94	4.85	2.45	4.03	7.36	7.37	8.39	4.82	5.29	5.51	4.53	4.53	5.35	3.95	3.93	5.47
			$U_{39} - U_{40}$	2.00	3.38	1.89	3.14	2.02	3.36	2.25	3.79	2.25	3.75	2.26	3.75	5.91	6.05	7.83	4.03	4.03	5.76	3.78	3.74	4.71	3.45	3.44	5.36
			$U_{40} - U_{41}$	1.95	3.23	1.88	3.16	1.93	3.21	2.59	4.34	3.02	5.04	2.58	4.30	5.93	5.93	8.30	4.25	4.02	5.41	4.10	3.54	4.56	3.27	3.28	3.86
			$U_{41} - U_{42}$	1.93	3.23	1.93	3.23	2.71	4.53	2.72	4.49	2.72	4.49	3.31	5.49	6.79	6.54	9.04	4.34	4.38	6.28	3.82	3.82	5.67	3.46	3.46	5.32
			$U_{42} - U_{43}$	2.07	3.44	2.36	3.93	2.52	4.20	2.98	4.97	2.96	4.94	2.95	4.91	7.03	6.67	14.47	5.12	4.35	13.69	3.98	4.47	9.15	3.67	3.78	7.06
			$U_{43} - U_{44}$	3.36	5.61	3.26	5.39	4.70	7.83	5.16	8.52	5.16	8.52	7.14	11.90	11.98	10.95	14.83	8.43	7.25	10.25	7.46	7.41	9.36	6.70	6.23	9.59
		Span 10	$U_0 - U_1$	3.37	5.61	3.88	6.43	3.37	5.61	6.51	10.82	7.14	11.96	6.51	10.82	12.45	14.11	12.43	8.13	10.44	8.48	7.83	8.69	7.55	6.83	8.68	7.57
			$U_1 - U_2$	1.65	2.72	1.64	2.73	1.65	2.72	2.65	4.41	2.99	5.01	2.65	4.41	5.50	6.03	5.50	3.61	4.09	3.61	3.37	3.89	3.28	3.18	4.56	3.14
			$U_2 - U_3$	1.83	3.05	1.89	3.16	1.89	3.16	2.87	4.78	3.02	5.06	3.02	5.06	5.73	6.56	5.73	3.91	4.93	3.92	3.56	4.38	3.62	3.66	3.91	3.55
			$U_3 - U_4$	2.12	3.51	2.09	3.51	2.29	3.84	3.08	5.14	3.08	5.14	3.09	5.12	7.03	8.14	7.00	4.73	5.63	4.73	4.22	5.17	4.21	4.27	5.87	4.32
			$U_4 - U_5$	1.94	3.25	2.37	3.95	2.04	3.40	2.88	4.81	2.84	4.73	3.10	5.22	7.04	7.09	7.09	4.20	4.94	4.56	3.68	4.14	4.16	3.67	4.33	3.79
			$U_5 - U_6$	1.99	3.32	1.99	3.32	2.08	3.47	2.17	3.64	2.50	4.13	2.18	3.62	6.17	7.63	6.14	4.17	4.66	4.18	3.80	4.21	3.74	3.63	4.51	4.26
			$U_6 - U_7$	2.07	3.45	1.95	3.28	2.85	4.71	2.20	3.67	2.20	3.65	2.53	4.22	6.23	6.08	9.32	4.17	4.17	5.46	3.86	3.76	5.25	3.63	3.61	4.22
			$U_7 - U_8$	2.02	3.35	1.97	3.28	2.59	4.33	2.85	4.77	2.67	4.45	2.65	4.42	5.86	5.89	8.17	4.11	4.14	4.99	3.89	3.74	4.43	3.42	3.44	4.44
			$U_8 - U_9$	1.79	3.00	1.80	2.99	3.12	5.19	2.40	4.01	2.41	4.01	2.39	3.98	6.02	6.02	10.28	4.17	4.01	6.87	3.51	3.54	5.04	3.36	3.36	6.84
	Unit 3		$U_9 - U_{10}$	1.97	3.28	1.99	3.29	3.84	6.44	3.47	5.81	3.48	5.78	15.04	25.03	6.58	6.61	12.76	4.42	4.40	7.37	3.90	3.91	7.98	3.90	3.88	6.80
			$U_{10} - U_{11}$	3.71	6.17	3.80	6.31	20.79	34.68	5.15	8.66	5.15	8.60	5.54	9.24	12.47	12.80	24.18	8.47	8.51	21.43	7.62	7.63	15.43	6.95	10.16	24.80
			$U_{11} - U_{12}$	2.84	4.73	3.43	5.78	7.87	13.05	2.19	3.64	3.71	6.17	2.28	3.81	10.92	14.91	27.61	7.34	9.38	17.92	6.30	7.77	16.42	6.27	6.83	7.01
		Span 11	$U_{12} - U_{13}$	2.85	4.76	6.74	11.19	3.12	5.21	2.29	3.84	2.30	3.82	3.57	5.93	9.24	20.53	11.36	6.45	14.89	7.78	5.38	13.38	6.58	5.38	9.12	5.21
			$U_{13} - U_{14}$	2.98	5.00	10.10	16.76	3.17	5.28	3.42	5.69	3.77	6.30	3.75	6.25	10.36	18.78	11.35	6.61	14.01	7.24	5.86	11.25	6.41	5.23	5.74	5.34
			$U_{14} - U_{15}$	3.18	5.31	5.27	8.78	2.91	4.87	3.68	6.08	13.08	21.72	3.64	6.10	9.96	12.38	9.36	6.68	8.10	5.95	6.12	7.62	5.52	5.42	10.25	4.97
			$U_{15} - U_{16}$	2.13	3.54	3.40	5.66	2.13	3.54	2.70	4.50	3.24	5.43	2.70	4.50	6.78	8.32	6.78	4.64	5.94	4.64	4.38	5.43	4.28	4.47	6.22	4.97
			$U_{16} - U_{17}$	2.13	3.53	2.23	3.73	2.25	3.77	2.60	4.32	2.59	4.35	3.31	5.56	7.16	7.14	9.48	4.87	4.84	7.05	4.49	4.51	5.58	4.62	5.17	5.63
			$U_{17} - U_{18}$	1.68	2.81	1.68	2.79	3.18	5.34	2.64	4.40	2.91	4.85	2.65	4.39	5.69	5.65	8.84	3.73	3.71	5.22	3.24	3.21	4.49	3.30	3.30	4.27
			$U_{18} - U_{19}$	1.60	2.67	1.58	2.63	1.87	3.12	2.50	4.18	2.51	4.16	2.42	4.04	5.48	5.15	11.93	3.47	3.45	6.32	3.09	3.10	4.54	3.19	3.19	5.67
			$U_{19} - U_{20}$	2.45	4.11	2.46	4.09	3.17	5.27	4.87	8.13	4.87	8.10	8.16	13.57	9.08	7.57	11.34	6.27	4.76	7.89	4.36	4.37	7.20	4.72	5.97	7.12

HAM-471-0025

Truss Member Rating Summary
As-Inspected Center Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Lower Chord	Unit 1	Span 5	L_0 - L_1	7.07	11.77	13.02	21.73	10.88	18.16	16.45	27.33	16.39	27.41	16.43	27.16	19.35	19.37	31.97	14.11	21.31	23.58	13.39	14.11	20.38	15.54	17.73	19.65
			L_1 - L_2	2.00	3.30	2.75	4.57	1.96	3.29	3.77	6.29	6.00	9.91	3.77	6.23	6.65	8.51	8.13	4.35	4.69	5.07	3.69	4.55	5.33	4.20	4.87	5.81
			L_2 - L_3	2.18	3.66	2.20	3.65	2.18	3.66	3.94	6.57	3.93	6.58	4.51	7.48	6.74	6.76	9.29	4.67	4.89	5.71	4.18	4.11	5.37	4.62	4.96	5.93
			L_3 - L_4	2.02	3.37	2.02	3.38	3.21	5.33	3.24	5.39	3.50	5.79	3.24	5.38	6.83	6.85	10.40	4.65	4.77	6.24	3.95	3.96	5.49	4.46	4.48	5.90
			L_4 - L_5	2.76	4.63	2.24	3.76	3.04	5.05	2.56	4.30	2.45	4.06	6.38	10.61	10.20	8.02	11.02	6.65	5.26	7.41	5.23	4.57	7.10	4.43	3.95	10.28
			L_5 - L_6	2.63	4.37	2.53	4.22	2.63	4.38	2.57	4.30	2.59	4.33	2.66	4.45	10.34	9.18	21.42	6.74	6.14	14.96	5.79	5.41	13.47	4.41	4.41	4.43
			L_6 - L_7	3.05	5.13	3.16	5.25	9.19	15.32	2.96	4.94	3.69	6.16	3.79	6.32	12.23	11.75	28.00	8.13	7.69	16.79	6.87	6.61	14.11	6.42	5.63	11.80
			L_7 - L_8	3.27	5.45	5.63	9.41	4.07	6.78	1.94	3.22	1.93	3.23	1.97	3.29	12.84	20.57	13.84	8.31	12.25	10.16	7.15	10.54	8.26	5.51	6.01	5.73
		Span 6	L_8 - L_9	3.22	5.37	3.71	6.15	5.26	8.87	2.08	3.47	2.14	3.57	3.76	6.24	12.64	15.48	21.50	8.29	8.85	13.31	7.07	7.93	10.29	5.54	5.87	6.45
			L_9 - L_{10}	4.57	7.63	8.33	13.87	4.76	7.96	3.58	6.00	6.12	10.28	6.87	11.50	15.93	35.95	17.83	10.13	24.92	11.90	9.00	18.16	10.09	10.08	11.91	9.70
			L_{10} - L_{11}	3.34	5.53	3.50	5.84	3.25	5.40	3.47	5.75	3.52	5.89	4.37	7.33	12.11	12.97	11.95	7.77	7.80	7.83	6.79	6.81	6.84	6.23	10.96	6.16
			L_{11} - L_{12}	2.16	3.60	2.53	4.22	2.15	3.59	3.50	5.86	23.30	38.97	3.53	5.86	7.22	8.36	9.69	4.61	5.71	6.97	4.03	4.37	5.43	4.33	5.73	6.95
			L_{12} - L_{13}	2.41	4.00	2.53	4.19	2.42	4.09	3.64	6.10	3.67	6.07	3.65	6.10	8.14	8.71	8.57	5.48	5.87	5.48	4.79	4.73	5.51	4.87	5.14	6.19
			L_{13} - L_{14}	2.20	3.67	2.30	3.79	2.20	3.67	2.84	4.74	2.89	4.78	2.84	4.74	7.73	7.83	8.83	5.23	5.81	5.87	4.75	5.28	4.91	4.61	4.67	5.72
			L_{14} - L_{15}	2.35	3.91	2.35	3.90	2.83	4.76	3.18	5.29	3.06	5.11	3.18	5.29	8.72	8.63	8.30	5.94	5.69	5.82	5.14	5.24	5.12	5.23	5.20	5.17
			L_{15} - L_{16}	2.79	4.62	2.79	4.62	2.86	4.76	3.88	6.47	3.88	6.47	3.90	6.51	9.79	10.36	9.52	6.25	6.64	6.23	5.38	6.02	5.37	5.41	6.21	5.38
			L_{16} - L_{17}	2.54	4.23	2.44	4.08	2.73	4.57	3.70	6.25	3.71	6.20	3.70	6.18	8.49	8.51	9.47	5.91	5.67	5.92	4.99	5.10	5.89	4.88	5.22	6.96
			L_{17} - L_{18}	2.70	4.51	2.70	4.49	4.11	6.82	4.91	8.19	4.91	8.17	4.90	8.19	10.09	9.25	10.03	6.47	6.45	7.63	5.60	5.93	6.45	5.72	5.76	7.62
			L_{18} - L_{19}	2.30	3.83	3.09	5.18	2.82	4.70	4.34	7.26	4.99	8.35	5.01	8.31	8.83	8.35	9.49	5.78	5.99	5.88	5.06	5.44	6.91	5.06	4.92	6.62
			L_{19} - L_{20}	7.55	12.60	7.95	13.26	5.29	8.78	10.90	18.11	10.69	17.80	10.66	17.78	30.28	28.59	18.40	19.41	17.51	12.25	15.71	15.70	10.52	14.34	15.12	14.95
		Span 7	L_0 - L_1	9.17	15.26	6.60	11.08	10.62	15.63	12.92	21.59	12.93	21.53	13.03	21.76	30.78	30.05	44.71	14.84	18.95	20.88	14.54	18.14	19.67	16.15	15.73	16.61
			L_1 - L_2	2.68	4.49	3.89	6.49	2.68	4.49	4.01	6.70	4.00	6.67	4.01	6.70	8.87	13.21	10.70	6.33	9.24	8.25	5.47	8.48	6.48	5.00	7.17	5.81
			L_2 - L_3	2.75	4.59	2.97	4.98	2.94	4.93	3.74	6.23	5.31	8.77	3.71	6.20	9.90	10.54	10.11	6.38	6.92	7.49	5.50	6.10	6.18	5.25	6.60	6.93
			L_3 - L_4	2.57	4.27	2.99	4.91	2.69	4.49	3.37	5.61	7.96	13.28	3.39	5.63	9.21	11.88	9.57	5.91	7.90	6.54	5.18	6.16	5.51	5.12	8.16	6.05
			L_4 - L_5	2.88	4.79	3.00	5.01	3.03	5.05	3.56	5.90	3.51	5.86	3.55	5.89	10.35	11.73	10.87	6.92	7.44	7.95	5.99	6.62	6.57	5.78	5.95	6.99
			L_5 - L_6	2.99	4.95	3.14	5.23	2.82	4.71	3.31	5.49	3.29	5.48	3.33	5.49	9.73	10.64	9.70	6.60	6.53	7.23	5.94	5.88	5.96	5.34	6.06	7.10
			L_6 - L_7	2.78	4.63	2.78	4.63	2.90	4.84	3.20	5.34	3.20	5.34	3.51	5.82	9.63	9.63	11.42	6.46	6.48	8.06	5.70	5.70	6.60	5.29	5.38	7.34
			L_7 - L_8	2.51	4.16	2.51	4.17	2.98	4.93	2.65	4.43	2.65	4.47	2.66	4.44	9.65	9.23	9.23	6.36	5.76	6.39	5.50	5.23	6.07	5.42	5.31	6.44
			L_8 - L_9	2.86	4.76	2.86	4.76	3.29	5.44	2.94	4.91	3.00	5.00	3.00	4.98	10.87	10.23	10.88	6.93	6.88	8.34	5.95	6.28	6.58	6.08	6.22	7.43
			L_9 - L_{10}	3.48	5.78	3.48	5.78	4.43	7.37	3.79	6.31	3.77	6.24	3.80	6.34	12.94	12.28	12.22	8.43	8.65	8.55	7.64	7.49	7.45	7.26	6.58	7.59
			L_{10} - L_{11}	2.71	4.49	2.75	4.58	6.35	10.61	2.60	4.31	2.60	4.33	2.74	4.57	11.63	9.98	18.63	7.53	6.61	12.61	6.21	5.73	12.57	4.75	4.46	18.79
			L_{11} - L_{12}	3.46	5.78	3.32	5.56	8.11	13.36	2.46	4.12	2.45	4.09	2.45	4.09	13.66	12.07	40.32	8.85	8.07	26.23	7.36	7.00	21.34	5.64	5.42	12.62
			L_{12} - L_{13}	4.20	7.00	4.01	6.64	5.27	8.71	2.65	4.43	4.17	6.88	2.63	4.39	16.59	14.11	20.29	10.82	9.52	13.08	9.19	8.59	11.11	6.96	6.84	9.48
			L_{13} - L_{14}	3.67	6.11	5.56	9.23	4.82	8.00	1.76	2.95	1.82	3.04	1.77	2.94	14.73	20.87	16.87	9.55	14.19	10.64	8.08	12.17	8.93	6.19	7.10	6.53
			L_{14} - L_{15}	3.28	5.48	4.38	7.36	4.64	7.80	1.75	2.90	1.72	2.92	1.81	2.98	13.37	17.74	18.58	8.55	10.55	11.11	7.24	9.62	10.23	5.59	6.20	6.57
			L_{15} - L_{16}	4.77	7.87	4.24	7.03	4.97	8.27	2.42	4.03	2.45	4.10	7.87	13.10	18.27	15.98	18.79	11.98	10.50	12.83	10.32	9.34	10.87	7.80	7.17	7.88
			L_{16} - L_{17}	3.95	6.62	8.06	13.38	4.13	6.90	2.24	3.76	2.25	3.74	5.02	8.37	14.81	42.58	15.31	9.98	28.70	10.10	8.65	19.98	8.73	6.42	10.57	6.37
			L_{17} - L_{18}	2.95	4.90	8.84	14.73	2.85	4.71	2.69	4.52	2.79	4.65	2.79	4.61	10.99	26.57	10.55	6.95	19.68	6.97	6.20	18.20	6.10	4.80	17.93	4.90
			L_{18} - L_{19}	2.95	4.94	4.54	7.58	2.73	4.58	2.74	4.53	2.74	4.54	2.76	4.62	10.73	17.93	10.40	7.11	12.50	6.91	6.25	10.67	5.91	4.75	9.24	4.67
			L_{19} - L_{20}	3.46	5.77	3.42	5.72	3.36	5.63	3.40	5.65	3.60	6.01	3.39	5.63	13.55	12.62	11.63	8.60	8.88	7.37	6.47	7.55	7.39	6.13	6.71	6.10
	Unit 2	Span 8	L_{20} - L_{21}	3.55	5.92	3.58	6.00	3.36	5.62	4.86	8.09	4.84	8.12	4.87	8.08	11.31	12.78	11.35	7.67	8.98	8.57	6.95	6.85	7.06	6.62	7.18	9.33
			L_{21} - L_{22}	2.86	4.77	2.62	4.39	2.55	4.27	3.38	5.63	5.61	9.36	3.31	5.49	9.38	9.70	10.17	6.16	6.03	7.26	5.65	5.61	5.90	5.37	5.81	5.57
			L_{22} - L_{23}	2.59	4.31	3.08	5.11	2.77	4.63	3.45	5.73	3.30	5.48	3.44	5.74	9.00	9.49	8.95	6.03	5.99	6.06	5.38	5.38	5.37	5.45	5.62	6.13
			L_{23} - L_{24}	3.14	5.21	3.14	5.21	3.39	5.68	4.56	7.63	4.56	7.63	4.57	7.60	11.12	10.88	11.00	7.51	7.44	7.45	6.64	6.83	6.80	6.97	7.16	7.52
			L_{24} - L_{25}	3.11	5.21	3.03	5.08	3.83	6.42	3.57	5.91	3.66	6.04	3.89	6.45	11.21	10.77	13.09	7.31	7.68	7.86	6.62	6.52	6.91	6.78	6.01	6.75
			L_{25} - L_{26}	3.09	5.17	2.97	4.98	5.19	8.64	3.12	5.19	3.24	5.43	3.26	5.39	12.02	10.75	16.21	8.02	7.11	10.75	6.89	6.14	10.64	5.19	4.84	12.91
			L_{26} - L_{27}	3.44	5.71	3.02	5.00	8.75	14.54	3.19	5.29	3.19	5.33	3.19	5.35	13.21	10.70	28.12	8.14	7.12	22.26	6.68	6.20	18.46	5.58	5.00	13.90
			L_{27} - L_{28}	4.52	7.48	4.12	6.85	5.78	9.65	2.53	4.20	5.03	8.45	2.52	4.21	16.84	14.70	32.58	11.52	9.93	19.22	9.90	8.67	15.05	7.24	6.97	9.61
			L_{28} - L_{29}	5.17	8.64	4.41	7.38	5.18	8.69	2.55	4.24	2.56	4.28	2.53	4.23	20.21	16.06	18.71	13.13	10.68	12.45	11.19	9.15	11.19	8.90	7.66	9.09
			L_{29} - L_{30}	3.38	5.63	6.22	10.43	4.20	7.01	1.87	3.11	1.87	3.10	1.87	3.12	13.49	24.08	14.70	8.53	15.50	10.70	7.35	12.07	9.24	5.74	7.93	6.91
		Span 9	L_{30} - L_{31}	3.71	6.19	4.57	7.63	4.40	7.35	1.85	3.09	1.83	3.06	1.88	3.19	14.42	17.14	19.44	9.68	11.86	11.75	8.17	9.99	10.21	6.31	6.65	7.20
			L_{31} - L_{32}	4.94	8.23	4.74	7.92	4.26	7.09	2.71	4.51	2.72	4.49	4.31	7.17	19.33	18.10	15.94	12.50	12.11	10.65	10.78	10.42	8.96	7.90	8.50	7.49
			L_{32} - L_{33}	3.51	5.82	9.65	16.22	3.50	5.84	2.44	4.06	2.44	4.04	2.45	4.06	13.78	43.91	13.18	9.03	29.68	8.70	7.70	25.85	7.51	5.59	15.58	5.84
			L_{33} - L_{34}	2.96	4.93	6.13	10.24	2.73	4.53	2.54	4.26	2.67	4.44	2.61	4.34	10.70	22.51	10.32	7.04	15.13	6.91	6.11	14.36	5.85	4.74	25.72	4.60
			L_{34} - L_{35}	3.91	6.48	3.93	6.60	4.00	6.70	3.78	6.27	3.76	6.27	3.80	6.36	12.74	14.95	15.13	8.74	9.98	9.83	7.92	8.66	8.48	6.96	7.18	6.63
			L_{35} - L_{36}	3.12	5.21	3.53	5.90	3.12	5.21	3.35	5.63	3.38	5.61	3.35	5.63	10.61	11.91	10.61	7.17	8.75	8.09	6.55	7.95	6.55	5.87	8.18	7.87
			L_{36} - L_{37}	2.63	4.40	2.93	4.86	2.63	4.40	2.90	4.84	2.90	4.86	2.90	4.84	9.66	10.62	10.64	6.32	7.32	6.73	5.55	6.11	6.23	5.65	5.62	5.68
			L_{37} - L_{38}	2.93	4.87	3.46	5.80	2.80	4.69	3.27	5.44	3.56	5.92	3.27	5.42	9.39	11.10	9.40	6.31	7.08	6.33	5.55	6.29	5.58	5.51	6.50	5.99
			L_{38} - L_{39}	2.84	4.73	2.82	4.68	3.09	5.15	3.22	5.36	3.22	5.38	3.22	5.36	10.05	9.99	10.05	6.74	6.73	6.79	5.92	6.07	6.16	5.77	6.07	5.76
			L_{39} - L_{40}	2.86	4.78	2.86	4.78	3.20	5.33	3.60	6.02	3.60	6.02	7.98	13.29	10.07	10.16	9.97	7.09	7.04	6.71	6.01	6.16	5.87	5.53	5.89	5.45
			L_{40} - L_{41}	2.56	4.25	2.75	4.56	3.22	5.39	3.83	6.41	3.84	6.45	7.19	12.03	9.30	9.72	10.47	6.12	6.33	6.68	5.53	5.38	6.94	5.05	5.15	7.94
			L_{41} - L_{42}	2.96	4.95	3.00	4.99	3.60	6.00	4.44	7.40	4.44	7.35	5.55	9.25	9.84	9.85	11.24	7.15	6.52	7.14	5.95	5.89	7.41	5.52	5.59	8.18
			L_{42} - L_{43}	3.09	5.14	3.00	4.95	4.53	7.59	5.12	8.52	5.13	8.52	5.13	8.60	9.51	9.54	11.30	6.73	6.64	8.73	6.17	6.18	7.59	5.93	6.20	7.59
			L_{43} - L_{44}	14.72	24.49	11.98	20.07	10.86	18.14	18.23	30.58	18.83	31.56	18.87	31.50	57.96	31.76	31.75	38.83	23.68	22.24	34.20	20.87	20.92	23.75	18.74	23.25
	Unit 3	Span 10	L_0 - L_1	7.21	12.02	7.33	12.19	8.89	14.80	18.69	30.89	16.88	28.09	16.88	28.09	22.07	28.93	31.25	16.54	19.23	19.24	15.40	17.35	17.26	15.00	17.85	17.22
			L_1 - L_2	2.11	3.51	3.25	5.44	2.11	3.51	4.02	6.70	4.05	6.71	4.02	6.70	7.60	12.75	8.97	4.93	7.68	5.62	4.51	5.67	6.51	4.46	5.37	5.37
			L_2 - L_3	2.61	4.35	3.45	5.75	3.02	5.04	4.25	7.09	5.76	9.61	4.26	7.07	8.80	9.61	10.50	6.23	6.63	6.81	5.34	6.27	6.54	5.34	7.11	7.10
			L_3 - L_4	2.60	4.33	3.26	5.46	2.62	4.36	3.82	6.36	4.41	7.40	3.79	6.37	8.92	10.36	8.78	5.96	7.72	6.03	5.11	7.24	5.45	5.43	7.58	5.34
			L_4 - L_5	3.00	5.01	3.00	4.94	3.04	5.09	4.21	7.03	4.21	7.02	4.20	7.03	10.27	10.29	11.74	6.91	6.86	7.86	6.04	6.18	7.20	5.61	5.64	7.92
			L_5 - L_6	2.77	4.61	2.50	4.16	2.51	4.17	3.21	5.35	3.23	5.36	3.18	5.25	9.25	8.31	10.28	5.80	5.68	6.43	5.12	5.00	5.68	5.04	5.12	5.33
			L_6 - L_7	2.27	3.84	2.27	3.84	2.72	4.56	3.09	5.15	2.96	4.92	3.11	5.16	8.80	7.90	8.53	5.81	5.52	6.40	4.81	4.88	5.25	5.15	4.99	5.87
			L_7 - L_8	2.31	3.85	2.31	3.85	2.75	4.55	3.43	5.72	3.43	5.72	3.44	5.72	8.61	8.05	8.36	5.56	5.76	5.63	5.04	4.92	4.93	5.06	5.07	5.85
			L_8 - L_9	2.06	3.42	2.77	4.61	2.47	4.14	3.56	5.89	3.54	5.89	9.70	16.23	7.84	8.04	7.47	4.98	5.04	5.01	4.34	4.32	4.92	4.34	4.65	6.81
			L_9 - L_{10}	3.54	5.90	3.11	5.20	3.54	5.90	3.74	6.23	4.13	6.89	3.72	6.21	13.00	11.15	13.10	8.27	7.39	8.42	6.88	6.48	7.41	6.45	5.88	12.38
			L_{10} - L_{11}	4.16	6.94	4.32	7.20	6.62	11.10	3.72	6.24	6.28	10.47	7.02	11.62	16.49	14.95	34.60	11.50	10.38	21.01	9.57	9.01	17.43	10.53	8.31	11.70
			L_{11} - L_{12}	3.32	5.55	4.50	7.46	4.61	7.65	2.18	3.62	3.49	5.90	2.18	3.65	13.14	18.40	15.61	8.38	11.78	9.67	7.23	9.78	8.04	5.63	7.01	6.40
			L_{12} - L_{13}	3.19	5.33	4.11	6.91	4.19	7.03	1.96	3.27	1.95	3.27	1.99	3.28	12.49	14.47	16.01	8.16	10.12	10.80	7.02	9.29	9.20	5.39	5.61	5.78
		Span 11	L_{13} - L_{14}	3.18	5.28	7.67	12.76	3.65	6.09	2.95	4.90	3.77	6.31	4.28	7.12	11.74	32.00	13.64	7.92	21.71	9.05	6.69	15.07	7.90	6.17	10.77	6.45
			L_{14} - L_{15}	2.69	4.49	7.30	12.20	2.86	4.78	2.66	4.41	2.60	4.33	2.64	4.41	10.01	23.56	10.56	6.68	17.53	7.00	5.86	13.31	5.99	4.33	4.47	4.87
			L_{15} - L_{16}	2.71	4.53	3.58	5.97	2.31	3.86	2.56	4.28	6.80	11.30	2.43	4.06	8.75	10.29	8.26	6.09	7.88	5.48	5.42	6.10	4.82	4.44	7.55	4.08
			L_{16} - L_{17}	2.15	3.60	2.83	4.70	2.22	3.72	3.40	5.68	3.26	5.46	3.39	5.69	6.66	7.78	6.67	4.40	5.56	4.41	3.92	5.27	3.95	4.24	5.29	4.22
			L_{17} - L_{18}	2.10	3.47	2.24	3.74	2.30	3.87	3.43	5.69	3.43	5.72	3.42	5.72	7.11	7.85	6.47	4.51	4.91	4.38	4.02	4.36	3.87	4.33	4.91	4.13
			L_{18} - L_{19}	2.17	3.61	2.17	3.64	2.33	3.90	3.59	5.97	3.57	5.97	3.59	5.96	6.66	6.66	7.06	4.48	4.48	4.81	4.20	4.11	5.22	4.61	4.53	5.65
			L_{19} - L_{20}	10.54	17.51	7.94	13.19	10.16	16.90	28.42	47.56	21.42	35.58	21.34	35.57	31.71	22.33	29.86	31.71	17.29	17.23	22.31	17.36	17.70	23.19	22.04	28.22

TranSystems

HAM-471-0025

Truss Member Rating Summary
As-Inspected Center Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Verticals	Unit 1	Span 5	$U_0 - L_0$	0.71	1.19	0.93	1.57	0.82	1.37	2.01	3.34	1.90	3.19	1.90	3.19	2.90	3.02	2.82	1.78	1.70	2.30	1.53	1.92	1.86	1.39	2.21	1.69
			$U_1 - L_1$	1.84	3.05	2.30	3.82	1.84	3.05	3.51	5.89	3.54	5.85	3.51	5.89	6.29	7.02	7.02	4.46	4.89	4.56	3.77	4.43	4.41	4.37	4.89	4.90
			$U_2 - L_2$	2.73	4.56	3.64	6.09	3.64	6.09	4.71	7.86	4.72	7.82	4.72	7.82	9.21	10.31	10.31	6.25	7.30	7.30	5.59	5.96	5.96	6.32	7.10	7.10
			$U_3 - L_3$	3.58	5.97	4.06	6.77	4.06	6.77	7.20	12.01	6.45	10.75	6.45	10.75	12.18	14.73	14.73	7.50	9.44	9.44	7.30	8.22	8.22	9.20	11.17	11.17
			$U_4 - L_4$	2.51	4.17	7.36	12.20	7.36	12.20	2.36	3.92	2.35	3.93	2.35	3.93	7.04	13.01	16.48	4.65	10.32	10.32	4.77	7.82	10.44	5.52	9.26	9.26
			$U_5 - L_5$	1.89	3.16	2.06	3.40	2.06	3.40	1.88	3.15	1.89	3.14	1.89	3.14	5.86	6.63	5.87	4.01	4.01	4.01	3.64	3.62	3.62	3.97	3.94	3.94
			$U_6 - L_6$	1.76	2.91	2.09	3.47	1.99	3.33	1.63	2.71	2.22	3.68	1.63	2.70	5.95	6.23	6.20	4.08	4.06	4.09	3.68	3.68	3.70	4.12	3.87	3.86
			$U_7 - L_7$	1.13	1.88	1.33	2.23	1.13	1.88	1.48	2.47	1.48	2.46	1.48	2.47	4.15	4.14	4.15	2.81	2.88	2.88	2.51	2.52	2.51	2.53	2.52	2.53
			$U_8 - L_8$	2.46	4.08	2.72	4.55	2.72	4.55	2.38	3.96	3.53	5.85	3.53	5.85	9.01	9.94	9.94	6.05	6.77	6.77	5.15	5.54	5.54	4.53	5.33	5.33
		Span 6	$U_8 - L_9$	1.48	2.47	1.75	2.91	1.48	2.47	2.11	3.52	2.11	3.51	2.11	3.52	5.39	6.35	5.39	3.42	3.96	3.96	3.17	3.24	3.26	2.79	3.35	3.49
			$U_{10} - L_{10}$	2.35	3.90	2.82	4.67	2.35	3.90	3.11	5.20	3.11	5.20	3.57	5.94	8.36	9.39	9.40	5.82	6.46	5.92	4.96	5.66	5.66	4.59	5.25	5.25
			$U_{11} - L_{11}$	2.21	3.66	2.66	4.41	2.28	3.79	2.74	4.57	2.75	4.59	2.74	4.56	7.82	8.80	8.81	5.23	5.99	5.96	4.58	4.92	4.93	4.29	4.87	4.86
			$U_{12} - L_{12}$	2.01	3.36	2.24	3.70	2.24	3.70	2.48	4.15	2.50	4.16	2.50	4.16	7.38	8.04	8.04	4.80	5.26	5.26	4.45	4.44	4.44	4.09	4.54	4.51
			$U_{13} - L_{13}$	1.60	2.65	1.76	2.95	1.76	2.95	1.89	3.19	1.89	3.18	1.89	3.18	5.67	6.36	6.36	3.87	3.99	3.99	3.31	3.65	3.65	3.29	3.77	3.77
			$U_{14} - L_{14}$	2.60	4.34	7.05	11.74	7.05	11.74	2.92	4.90	2.79	4.65	2.79	4.65	7.29	23.98	23.98	5.01	15.55	15.55	4.74	8.28	16.16	5.57	9.69	9.69
			$U_{15} - L_{15}$	2.78	4.61	2.95	4.93	2.95	4.93	3.91	6.50	3.91	6.52	3.91	6.52	8.76	8.60	8.60	5.93	5.97	5.97	5.30	5.33	5.33	5.46	5.43	5.43
			$U_{16} - L_{16}$	2.13	3.53	2.16	3.61	2.16	3.61	2.38	3.96	3.23	5.39	3.23	5.39	6.94	6.91	6.91	4.78	4.78	4.78	4.27	4.31	4.30	4.16	4.16	4.16
			$U_{17} - L_{17}$	1.72	2.87	1.78	2.97	1.78	2.97	2.28	3.78	2.26	3.75	2.26	3.75	5.61	6.06	6.06	3.78	3.76	3.76	3.39	3.37	3.38	3.29	3.30	3.32
			$U_{18} - L_{18}$	1.80	3.02	1.99	3.32	1.99	3.32	2.67	4.45	2.69	4.44	2.69	4.44	6.14	6.33	6.36	4.13	4.16	4.15	3.68	3.67	3.67	3.55	3.55	3.56
			$U_{19} - L_{19}$	1.90	3.17	2.14	3.54	2.13	3.52	3.02	5.06	3.03	5.05	3.02	5.03	6.87	6.90	6.86	4.69	4.71	4.69	4.20	4.18	4.19	3.91	3.99	3.89
			$U_{20} - L_{20}$	1.47	2.47	1.47	2.46	1.70	2.85	2.28	3.80	2.28	3.80	2.28	3.80	4.52	4.51	4.50	3.15	3.17	3.20	2.85	2.85	2.85	2.69	2.81	2.68
		Span 7	$U_0 - L_0$	1.54	2.58	1.48	2.48	1.48	2.48	2.21	3.68	2.19	3.66	2.19	3.66	4.59	5.78	5.26	3.26	3.64	3.25	2.75	3.49	3.28	2.76	2.91	2.91
			$U_1 - L_1$	2.19	3.67	2.39	3.97	2.39	3.97	2.98	4.95	2.99	4.95	2.99	4.95	6.40	8.52	8.52	4.95	5.50	5.50	3.98	5.20	4.66	3.57	4.84	4.37
			$U_2 - L_2$	2.00	3.32	2.31	3.85	2.31	3.85	3.10	5.23	3.11	5.18	3.11	5.18	6.97	8.25	7.68	4.96	5.26	5.26	4.12	4.61	4.61	3.89	4.31	4.31
			$U_3 - L_3$	1.84	3.07	2.14	3.56	2.14	3.56	2.91	4.87	2.92	4.84	2.92	4.84	6.34	7.02	7.07	4.25	4.77	4.77	3.80	3.96	3.96	3.61	4.02	4.02
			$U_4 - L_4$	1.80	3.00	2.02	3.34	2.02	3.34	3.41	5.64	3.41	5.65	3.41	5.65	6.57	7.15	7.15	4.43	4.76	4.76	4.07	3.98	3.98	3.74	4.18	4.18
			$U_5 - L_5$	2.36	3.95	2.66	4.42	2.66	4.42	4.86	8.15	4.88	8.10	4.88	8.10	8.48	9.51	9.51	5.91	6.04	6.04	4.95	5.52	5.52	4.94	5.57	5.57
			$U_6 - L_6$	3.31	5.52	3.29	5.49	3.44	5.72	7.50	12.50	9.40	15.68	9.36	15.55	10.25	11.22	11.14	7.43	7.24	7.21	6.32	6.38	6.38	6.68	7.90	6.76
			$U_7 - L_7$	2.67	4.46	6.22	10.38	7.04	11.79	3.69	6.17	10.83	18.15	10.85	18.15	7.07	30.99	30.94	5.57	10.60	20.78	4.94	10.32	18.39	5.31	10.14	10.22
			$U_8 - L_8$	2.19	3.64	2.07	3.44	2.07	3.44	3.39	5.65	3.37	5.65	3.37	5.65	7.01	7.00	7.00	4.85	4.76	4.76	4.20	4.19	4.19	3.78	3.79	3.79
			$U_9 - L_9$	2.71	4.50	2.67	4.44	2.67	4.44	3.50	5.81	4.18	6.95	3.48	5.79	8.54	9.42	8.56	5.71	5.70	5.70	5.10	5.09	5.09	4.57	4.58	4.58
			$U_{10} - L_{10}$	2.72	4.51	2.80	4.63	2.80	4.63	3.68	6.11	3.64	6.08	3.64	6.08	9.03	9.36	9.36	6.07	6.39	6.10	5.38	5.42	5.42	4.80	4.79	4.79
			$U_{11} - L_{11}$	2.33	3.89	2.46	4.12	2.46	4.12	2.27	3.78	2.24	3.77	2.24	3.77	8.26	8.27	8.28	5.64	5.57	5.62	4.93	5.00	4.95	4.36	4.33	4.33
			$U_{12} - L_{12}$	2.46	4.10	2.46	4.14	2.48	4.11	2.35	3.96	2.38	3.97	2.37	3.97	8.28	8.82	8.21	5.55	5.54	5.53	4.89	4.90	4.91	4.31	4.30	4.32
			$U_{13} - L_{13}$	1.81	3.01	1.93	3.22	1.88	3.13	1.65	2.76	2.14	3.57	2.16	3.59	6.15	6.14	6.15	4.19	4.19	4.18	3.70	3.70	3.69	3.27	3.29	3.28
			$U_{14} - L_{14}$	2.54	4.24	2.90	4.86	2.90	4.86	2.17	3.63	4.01	6.77	4.01	6.77	9.36	11.67	11.67	6.20	6.88	8.00	5.36	6.60	6.60	4.48	5.34	5.34
			$U_{15} - L_{15}$	2.27	3.76	2.25	3.77	2.25	3.77	2.93	4.87	2.93	4.87	2.93	4.87	7.83	8.20	8.20	5.19	5.86	5.86	4.52	4.85	4.85	4.44	4.79	3.86
		Span 8	$U_{16} - L_{16}$	2.13	3.56	2.40	3.98	2.13	3.56	2.47	4.15	2.46	4.11	2.47	4.15	7.87	8.70	8.67	5.14	5.49	5.49	4.76	4.92	4.59	4.32	4.86	4.66
			$U_{17} - L_{17}$	2.05	3.39	2.36	3.95	2.21	3.68	2.13	3.56	2.12	3.52	2.12	3.57	7.08	8.00	7.98	5.00	5.38	5.05	4.17	4.77	4.80	3.93	4.45	4.44
			$U_{18} - L_{18}$	2.08	3.47	2.38	3.96	2.38	3.96	2.01	3.37	2.03	3.37	2.02	3.36	7.20	7.97	7.97	4.79	5.34	5.32	4.21	4.40	4.41	4.05	4.41	4.41
			$U_{19} - L_{19}$	1.82	3.01	2.05	3.40	2.04	3.40	2.92	4.88	2.97	4.93	2.95	4.96	6.59	7.22	7.21	4.39	4.84	4.61	4.04	4.06	4.05	3.73	4.14	4.16
			$U_{20} - L_{20}$	1.80	3.00	2.04	3.40	2.04	3.40	2.88	4.78	2.88	4.78	2.88	4.78	6.40	7.31	7.31	4.49	4.58	4.58	3.76	4.17	4.17	3.68	4.17	4.17
			$U_{21} - L_{21}$	2.05	3.45	2.40	3.99	2.40	3.99	3.01	5.01	2.98	5.01	2.98	5.01	6.89	7.53	7.53	4.70	5.28	5.28	4.05	4.33	4.33	4.13	4.46	4.46
			$U_{22} - L_{22}$	3.04	5.02	7.90	13.07	7.90	13.07	3.17	5.27	11.34	18.95	11.34	18.95	8.06	29.01	29.01	5.43	12.80	19.51	4.92	12.81	17.47	5.81	10.66	13.20
			$U_{23} - L_{23}$	2.46	4.08	2.41	4.03	2.41	4.03	3.22	5.37	3.22	5.33	3.22	5.33	7.82	7.85	7.85	5.46	5.41	5.41	4.76	4.73	4.73	4.51	4.53	4.53
			$U_{24} - L_{24}$	2.26	3.77	2.16	3.60	2.16	3.60	2.19	3.63	3.05	5.06	3.05	5.06	6.75	7.77	7.47	4.54	4.53	4.53	4.05	4.04	4.04	3.81	3.82	3.82
			$U_{25} - L_{25}$	2.01	3.33	2.09	3.50	2.09	3.50	2.61	4.33	2.63	4.37	2.63	4.37	6.50	6.74	6.74	4.44	4.43	4.43	3.92	3.94	3.94	3.66	3.69	3.69
			$U_{26} - L_{26}$	2.11	3.52	2.18	3.66	2.18	3.66	2.00	3.34	2.00	3.35	2.00	3.35	7.28	7.26	7.26	4.97	4.99	4.99	4.38	4.42	4.39	3.96	3.96	3.96
			$U_{27} - L_{27}$	2.15	3.58	2.18	3.61	2.18	3.61	2.08	3.47	2.07	3.47	2.07	3.47	7.06	7.61	7.00	4.74	4.74	4.79	4.25	4.25	4.26	3.86	3.87	3.87
			$U_{28} - L_{28}$	2.15	3.56	2.25	3.75	2.25	3.75	1.89	3.18	2.35	3.92	1.91	3.16	7.21	7.61	7.22	4.87	4.89	4.89	4.35	4.32	4.32	3.87	3.88	3.88
			$U_{29} - L_{29}$	2.09	3.48	2.28	3.81	2.23	3.70	2.48	4.14	2.48	4.12	2.48	4.13	7.60	7.57	7.64	5.19	5.16	5.15	4.53	4.55	4.53	4.20	4.05	4.04
		Span 9	$U_{30} - L_{30}$	2.67	4.41	3.09	5.10	3.08	5.10	2.21	3.67	3.82	6.33	3.82	6.33	9.73	11.80	11.80	6.36	7.61	7.61	5.52	6.09	6.28	4.73	5.51	5.51
			$U_{31} - L_{31}$	1.94	3.24	2.24	3.73	1.94	3.24	2.40	3.99	2.41	4.02	2.40	3.99	7.25	8.17	7.25	4.68	5.16	5.16	4.37	4.29	4.23	3.24	3.93	3.91
			$U_{32} - L_{32}$	2.50	4.17	2.88	4.79	2.69	4.48	2.56	4.27	2.56	4.27	2.57	4.32	8.69	9.72	9.78	6.19	6.67	6.23	5.19	5.79	5.78	4.71	5.27	5.27
			$U_{33} - L_{33}$	2.46	4.13	2.81	4.70	2.46	4.13	2.46	4.10	2.31	3.85	2.46	4.10	8.62	9.64	9.08	5.78	6.44	6.43	5.09	5.37	5.37	4.75	5.25	4.91
			$U_{34} - L_{34}$	2.62	4.36	2.94	4.90	2.94	4.90	3.97	6.58	3.92	6.62	3.93	6.55	9.72	10.74	10.67	6.44	7.23	6.81	5.93	6.48	5.98	5.23	5.91	5.90
			$U_{35} - L_{35}$	2.47	4.09	2.80	4.67	2.80	4.67	3.03	5.06	4.21	7.02	4.21	7.02	8.68	10.07	9.63	6.05	6.42	6.42	5.04	5.75	5.75	4.75	5.21	5.21
			$U_{36} - L_{36}$	2.00	3.36	2.22	3.71	2.22	3.71	3.50	5.82	3.49	5.82	3.49	5.82	6.98	7.25	7.27	4.62	4.91	4.91	4.05	4.11	4.11	3.95	4.13	4.13
			$U_{37} - L_{37}$	2.45	4.08	5.85	9.70	6.44	10.81	3.77	6.30	10.01	16.70	10.02	16.72	7.01	29.06	28.87	4.71	18.87	18.81	4.19	9.87	17.04	5.18	9.98	17.16
			$U_{38} - L_{38}$	2.63	4.40	2.57	4.27	2.57	4.27	6.63	11.08	6.61	11.06	6.61	11.06	8.40	8.23	8.23	5.86	5.84	5.83	4.98	5.01	5.03	5.52	5.53	5.53
			$U_{39} - L_{39}$	2.88	4.84	2.95	4.94	2.95	4.94	3.84	6.41	4.45	7.44	4.45	7.44	9.07	10.39	10.39	6.15	6.10	6.10	5.42	5.44	5.44	5.14	5.13	5.13
			$U_{40} - L_{40}$	2.17	3.64	2.22	3.71	2.22	3.71	3.20	5.29	3.19	5.29	3.19	5.29	6.96	7.07	7.07	4.70	4.82	4.82	4.18	4.18	4.18	3.95	3.95	3.95
			$U_{41} - L_{41}$	1.96	3.25	2.04	3.44	2.06	3.42	2.81	4.69	2.82	4.71	2.82	4.67	6.76	6.81	6.81	4.66	4.62	4.64	4.08	4.08	4.10	3.73	3.72	3.74
			$U_{42} - L_{42}$	2.15	3.62	2.16	3.61	2.16	3.61	3.03	5.05	3.05	5.09	3.05	5.09	7.01	7.59	7.59	4.76	4.75	4.75	4.23	4.22	4.22	3.89	3.87	3.87
			$U_{43} - L_{43}$	2.22	3.67	2.28	3.77	2.28	3.77	3.24	5.36	3.25	5.35	3.25	5.35	7.33	7.33	7.33	4.85	4.88	4.88	4.30	4.32	4.32	3.95	3.96	3.96
			$U_{44} - L_{44}$	1.47	2.44	1.53	2.54	1.76	2.93	2.35	3.91	2.35	3.91	2.35	3.92	5.61	5.48	5.46	3.87	3.67	3.88	3.48	3.25	3.47	2.86	2.96	3.17
	Unit 2	Span 10	$U_0 - L_0$	1.25	2.08	1.56	2.56	1.50	2.51	2.29	3.83	2.29	3.84	2.30	3.84	4.22	5.77	5.17	3.19	3.29	3.18	2.58	2.59	2.59	2.52	3.04	3.04
			$U_1 - L_1$	1.83	3.05	2.38	3.99	2.38	3.99	3.08	5.11	3.08	5.11	3.08	5.11	6.52	8.70	7.72	4.83	5.38	5.38	4.15	4.49	4.49	3.64	4.84	4.45
			$U_2 - L_2$	1.81	3.02	2.12	3.57	2.12	3.57	3.15	5.25	3.19	5.28	3.19	5.28	6.56	7.45	7.45	4.41	4.70	4.70	3.87	4.62	3.89	3.87	4.59	4.59
			$U_3 - L_3$	1.64	2.72	1.94	3.24	1.94	3.25	2.78	4.66	2.78	4.63	2.78	4.62	5.54	6.80	6.81	4.02	4.26	4.30	3.33	3.89	3.89	3.45	3.89	3.91
			$U_4 - L_4$	1.99	3.33	2.34	3.89	2.34	3.89	3.26	5.46	3.26	5.43	3.26	5.43	6.74	7.40	7.40	4.55	5.05	5.05	3.98	4.46	4.20	4.27	4.54	4.54
			$U_5 - L_5$	2.34	3.92	2.94	4.92	2.94	4.92	3.85	6.42	3.85	6.44	3.85	6.44	8.45	9.44	9.44	5.60	6.31	5.95	5.36	5.20	5.20	5.42	6.33	6.33
			$U_6 - L_6$	2.91	4.88	8.04	13.29	8.04	13.29	2.93	4.92	2.97	4.98	2.97	4.98	6.93	21.41	23.32	4.93	16.77	16.77	4.68	14.77	14.77	6.14	10.48	10.48
			$U_7 - L_7$	1.94	3.24	1.92	3.17	1.92	3.17	2.00	3.30	1.99	3.33	1.99	3.33	5.90	5.90	6.79	3.98	3.96	3.96	3.56	3.57	3.57	3.40	3.56	3.42
			$U_8 - L_8$	2.31	3.86	2.32	3.90	2.32	3.90	2.08	3.47	2.54	4.22	2.54	4.22	7.37	7.41	7.41	5.00	4.97	4.97	4.46	4.47	4.47	4.17	4.23	4.23
			$U_9 - L_9$	2.38	3.94	2.48	4.12	2.48	4.12	2.55	4.27	2.56	4.26	2.56	4.26	8.57	8.36	8.36	5.64	5.69	5.69	4.94	4.90	4.90	4.42	4.38	4.38
			$U_{10} - L_{10}$	2.60	4.33	2.62	4.38	2.62	4.38	2.91	4.82	2.91	4.85	2.90	4.84	8.53	9.27	8.55	5.84	5.79	5.79	5.12	5.18	5.18	4.66	4.65	4.65
			$U_{11} - L_{11}$	1.51	2.52	1.65	2.75	1.55	2.59	1.94	3.22	1.95	3.24	1.95	3.23	5.22	5.20	5.19	3.52	3.56	3.55	3.16	3.15	3.16	2.90	2.89	2.90
			$U_{12} - L_{12}$	2.44	4.07	2.69	4.52	2.69	4.52	2.57	4.27	3.67	6.13	3.67	6.13	9.21	9.48	10.82	6.20	6.42	6.42	5.29	5.68	5.68	4.34	5.05	5.04
		Span 11	$U_{13} - L_{13}$	1.28	2.13	1.28	2.12	1.28	2.12	1.83	3.05	1.83	3.02	1.83	3.02	4.17	4.51	4.51	2.82	3.44	2.84	2.50	2.76	2.76	2.58	2.98	2.98
			$U_{14} - L_{14}$	1.76	2.95	2.17	3.64	1.76	2.95	2.35	3.88	2.35	3.90	2.35	3.88	6.27	7.48	7.51	4.14	4.64	4.64	3.85	4.14	3.81	4.09	5.12	5.15
			$U_{15} - L_{15}$	1.72	2.88	2.17	3.62	1.78	2.99	1.98	3.28	1.97	3.29	1.97	3.30	5.69	7.37	7.34	4.11	4.54	4.54	3.45	4.28	3.70	4.09	4.86	4.86
			$U_{16} - L_{16}$	2.65	4.42	6.60	10.98	6.06	10.11	2.38	3.97	2.39	3.98	2.39	3.97	6.03	17.44	17.34	4.33	8.23	14.68	4.24	8.15	13.90	5.00	8.93	8.90
			$U_{17} - L_{17}$	3.22	5.39	3.19	5.31	3.19	5.31	7.03	11.73	6.36	10.68	6.36	10.68	9.11	8.79	8.79	6.82	6.88	6.88	6.49	7.28	7.28	7.42	7.39	7.39
			$U_{18} - L_{18}$	2.96	4.94	3.16	5.26	3.16	5.26	2.82	4.70	4.65	7.77	4.65	7.77	10.03	9.69	9.69	6.47	6.86	6.86	5.76	5.74	5.74	7.56	6.07	6.07
			$U_{19} - L_{19}$	1.99	3.30	2.16	3.57	2.16	3.57	2.78	4.65	2.79	4.63	2.79	4.63	6.33	6.31	6.31	4.37	4.37	4.37	4.16	3.97	3.90	4.25	4.15	4.15

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Truss Member Rating Summary
As-Inspected Center Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
			U_{20} - L_{20}	0.77	1.29	0.82	1.36	0.80	1.33	1.80	2.99	1.81	2.99	1.80	3.00	3.10	3.14	3.12	2.02	2.15	2.16	1.72	1.97	1.97	1.54	2.02	2.06

HAM-471-0025

Truss Member Rating Summary
As-Inspected Center Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Diagonals	Unit 1	Span 5	U_0 - L_1	2.25	3.72	2.43	4.05	4.18	7.00	4.04	6.79	3.90	6.48	3.89	6.47	7.61	8.59	8.57	5.43	6.78	5.88	4.75	4.89	5.87	5.37	5.26	5.27
			U_1 - L_2	2.36	3.94	3.69	6.14	2.86	4.79	4.13	6.89	4.12	6.86	4.11	6.90	7.73	7.67	8.37	5.43	6.45	6.21	4.62	7.13	5.18	5.28	10.04	5.72
			U_2 - L_3	2.74	4.58	5.66	9.46	4.00	6.69	5.58	9.27	5.45	9.08	5.45	9.10	8.63	17.61	8.68	6.45	13.00	7.44	6.36	7.00	6.74	7.27	8.04	8.68
			U_3 - L_4	1.54	2.56	2.30	3.85	1.98	3.31	4.20	6.97	4.62	7.70	5.14	8.53	5.25	8.47	5.63	3.76	5.96	4.02	3.57	6.12	3.59	4.07	6.31	4.29
			U_4 - L_5	2.11	3.51	2.11	3.51	2.54	4.21	2.22	3.73	2.52	4.23	4.08	6.79	7.59	12.21	10.51	5.11	6.47	6.77	4.55	5.22	6.74	5.23	5.35	6.89
			U_5 - L_6	2.44	4.04	2.37	3.96	2.68	4.43	2.32	3.87	3.11	5.22	2.33	3.87	7.67	9.32	8.73	5.25	6.47	5.20	4.77	5.10	4.72	5.01	5.16	5.07
			U_6 - L_7	1.56	2.60	2.79	4.65	1.97	3.28	2.08	3.47	2.08	3.47	2.07	3.46	6.00	6.92	6.06	3.75	4.39	4.04	3.81	4.18	3.81	4.15	3.96	4.13
			U_7 - L_7	1.67	2.76	1.67	2.78	1.67	2.76	2.22	3.71	2.36	3.93	2.22	3.71	6.11	6.36	6.11	4.20	4.26	4.20	3.69	3.71	3.72	3.74	3.71	3.71
		Span 6	U_8 - L_8	2.37	3.97	2.36	3.93	2.37	3.97	3.31	5.56	3.37	5.59	3.32	5.54	8.76	9.26	8.78	5.53	5.46	6.35	5.13	5.08	5.20	4.58	4.94	4.58
			U_9 - L_{10}	2.50	4.14	3.51	5.89	3.26	5.46	3.48	5.78	3.69	6.21	3.47	5.82	8.78	13.80	10.51	6.07	6.16	7.31	5.27	6.12	6.34	4.94	6.67	6.08
			U_{10} - L_{11}	2.71	4.48	2.71	4.51	3.45	5.76	3.51	5.85	4.36	7.28	3.51	5.84	9.48	9.93	11.19	6.40	7.86	7.75	5.49	5.51	6.29	5.21	5.38	6.18
			U_{11} - L_{12}	2.33	3.90	3.13	5.25	2.82	4.71	3.13	5.23	3.46	5.74	3.13	5.20	8.50	9.17	10.31	5.32	5.36	6.73	4.98	5.15	5.47	4.81	5.49	5.84
			U_{12} - L_{13}	1.87	3.14	1.87	3.14	2.21	3.71	2.37	3.95	2.37	3.95	2.39	3.97	6.61	6.61	8.12	4.40	4.40	5.01	3.95	4.38	4.67	3.77	3.77	4.75
			U_{13} - L_{14}	1.62	2.69	1.62	2.69	2.04	3.40	2.15	3.58	2.15	3.58	2.06	3.44	5.58	6.41	7.27	3.84	4.33	4.46	3.34	3.41	3.83	3.29	3.29	3.92
			U_{14} - L_{15}	1.94	3.22	2.39	3.98	2.40	4.03	6.34	10.54	5.79	9.65	8.86	14.71	6.90	8.39	8.40	4.37	5.43	5.45	4.05	4.37	4.43	4.64	5.84	6.00
			U_{15} - L_{16}	2.35	3.89	2.38	3.97	2.61	4.37	3.47	5.80	3.47	5.79	3.50	5.80	7.87	7.86	7.99	5.22	6.22	5.53	4.86	5.74	5.00	4.96	6.04	4.95
			U_{16} - L_{17}	1.86	3.10	1.89	3.15	2.15	3.56	2.36	3.93	2.36	3.92	2.97	4.96	6.51	7.04	6.74	4.66	4.92	4.66	4.01	4.88	4.08	4.01	4.25	3.97
			U_{17} - L_{18}	2.12	3.52	2.13	3.56	2.34	3.92	2.84	4.74	2.84	4.79	2.86	4.74	6.51	8.62	7.14	4.74	5.77	4.85	4.14	4.76	4.37	4.24	4.28	4.31
			U_{18} - L_{19}	2.04	3.39	2.04	3.39	2.20	3.63	2.97	4.94	2.97	4.94	2.97	4.95	7.00	7.92	6.89	4.84	5.01	4.63	4.33	4.42	4.34	4.23	4.14	4.22
			U_{19} - L_{19}	1.95	3.25	1.97	3.29	1.97	3.29	2.86	4.75	2.85	4.75	2.85	4.75	7.25	7.49	6.80	4.97	4.82	4.82	4.45	4.21	4.22	3.87	4.38	3.70
		Span 7	U_0 - L_1	2.31	3.86	2.27	3.76	2.27	3.76	2.98	4.97	2.96	4.91	2.96	4.91	7.77	9.18	7.86	5.60	6.45	5.36	4.64	4.72	4.51	4.08	3.94	3.94
			U_1 - L_2	2.31	3.85	2.31	3.85	2.31	3.85	3.04	5.07	3.04	5.07	3.04	5.07	7.92	7.92	9.50	5.75	5.75	5.83	4.77	4.77	4.77	4.55	4.55	5.42
			U_2 - L_3	2.07	3.43	2.07	3.43	2.08	3.47	3.06	5.10	3.06	5.10	3.06	5.10	6.95	6.95	7.57	4.70	4.70	4.72	4.18	4.16	4.57	4.01	4.08	4.26
			U_3 - L_4	1.90	3.13	1.90	3.13	2.23	3.71	3.23	5.39	3.23	5.39	3.41	5.67	6.92	6.92	7.96	4.52	4.52	4.97	4.11	4.45	4.35	3.98	4.14	4.71
			U_4 - L_5	2.01	3.31	2.09	3.47	2.36	3.92	3.95	6.59	3.96	6.60	3.97	6.59	7.06	7.00	8.42	4.87	4.87	5.23	4.22	4.21	4.34	4.13	4.14	4.75
			U_5 - L_6	2.79	4.67	2.79	4.63	2.81	4.68	6.03	10.13	6.08	10.10	5.85	9.74	8.70	9.06	9.01	6.12	6.33	6.17	5.35	5.37	5.39	5.53	5.52	5.71
			U_6 - L_7	1.77	2.95	1.83	3.06	1.84	3.06	3.54	5.87	5.07	8.44	3.83	6.44	5.35	6.30	5.33	3.62	4.35	3.62	3.26	3.23	3.30	3.24	3.26	3.27
			U_7 - L_7	2.30	3.84	2.34	3.89	2.57	4.25	3.86	6.43	3.87	6.43	5.29	8.85	7.74	11.09	9.24	5.17	6.65	6.33	4.64	7.04	5.67	4.44	5.20	4.56
			U_8 - L_8	2.23	3.74	2.23	3.74	2.34	3.90	3.24	5.43	3.25	5.45	3.25	5.41	7.50	8.14	8.14	5.36	7.09	5.57	4.53	5.66	4.78	4.15	4.64	4.21
			U_9 - L_9	2.43	4.07	2.43	4.07	2.55	4.21	2.94	4.87	2.94	4.87	4.63	7.75	7.93	10.24	7.91	5.29	6.90	5.39	4.79	5.67	4.77	4.31	4.73	4.30
			U_{10} - L_{10}	2.35	3.91	2.30	3.83	2.55	4.26	3.23	5.40	3.02	4.99	4.76	7.94	8.07	10.04	8.48	5.43	6.16	5.48	4.83	5.36	4.85	4.39	4.56	4.34
			U_{11} - L_{11}	1.87	3.12	2.11	3.54	2.34	3.91	2.09	3.47	2.07	3.44	2.08	3.46	6.83	8.18	7.59	5.36	5.44	5.35	4.19	4.99	4.61	3.56	3.97	3.87
			U_{12} - L_{12}	1.73	2.88	1.72	2.88	1.66	2.75	1.87	3.08	1.87	3.08	1.88	3.11	4.97	6.14	5.98	4.05	4.68	3.95	3.57	3.88	3.40	3.21	3.27	3.18
			U_{13} - L_{13}	1.86	3.06	2.00	3.32	2.04	3.38	2.31	3.86	2.88	4.79	2.31	3.81	6.15	6.90	6.92	4.07	4.69	4.69	3.93	4.16	4.15	3.45	3.88	3.67
			U_{14} - L_{13}	2.13	3.56	2.13	3.55	2.13	3.56	3.03	5.07	3.25	5.41	3.03	5.07	7.33	7.31	7.33	4.90	4.85	4.90	4.29	4.27	4.29	3.95	4.14	3.95
			U_{15} - L_{16}	1.82	3.04	1.82	3.04	1.82	3.04	2.35	3.89	2.35	3.89	2.35	3.89	6.71	6.51	6.71	4.31	4.31	4.31	3.80	3.98	4.05	3.41	3.41	3.41
			U_{16} - L_{17}	2.18	3.62	2.18	3.62	2.18	3.62	2.24	3.76	2.24	3.76	2.24	3.76	7.36	7.38	7.52	5.13	5.47	5.50	4.42	4.49	4.49	4.20	4.20	4.20
			U_{17} - L_{18}	2.15	3.58	2.15	3.58	2.18	3.63	2.19	3.65	2.19	3.65	2.18	3.63	7.25	7.25	7.94	4.95	5.41	5.83	4.35	4.35	4.82	4.12	4.28	4.49
			U_{18} - L_{19}	2.14	3.58	2.14	3.58	2.14	3.58	3.47	5.82	2.80	4.64	2.80	4.64	7.80	8.67	9.30	4.99	5.03	5.77	4.58	4.89	4.70	4.45	4.57	4.68
			U_{19} - L_{20}	2.16	3.63	2.23	3.72	2.58	4.29	3.51	5.80	3.52	5.86	3.51	5.83	7.51	7.53	9.20	5.19	5.19	5.81	4.49	4.50	5.31	4.37	4.38	5.05
			U_{20} - L_{21}	1.91	3.19	1.91	3.19	2.05	3.44	2.79	4.65	2.79	4.65	2.77	4.57	6.27	6.27	7.35	4.40	4.40	5.20	3.76	3.94	4.22	3.74	3.74	4.31
			U_{21} - L_{22}	2.48	4.13	2.48	4.13	2.98	4.97	4.17	6.94	4.29	7.15	7.73	12.80	8.92	10.88	10.24	5.82	5.87	6.89	5.41	6.09	6.38	5.36	5.82	6.32
			U_{22} - L_{22}	2.55	4.23	3.09	5.16	3.36	5.59	4.83	8.04	4.72	7.89	6.79	11.30	8.85	11.03	11.82	6.15	7.95	7.35	5.48	6.49	6.90	5.68	6.86	7.50
			U_{23} - L_{23}	2.26	3.79	2.26	3.79	2.40	4.03	3.11	5.16	3.11	5.16	3.10	5.16	7.54	8.19	8.17	5.33	5.32	5.34	4.58	4.67	4.82	4.31	5.07	4.43
			U_{24} - L_{24}	2.62	4.38	2.62	4.38	2.73	4.54	2.96	4.93	2.96	4.93	3.71	6.13	8.18	8.18	9.32	5.59	6.82	5.59	5.02	5.74	5.04	4.74	5.37	4.75
			U_{25} - L_{25}	2.29	3.85	2.27	3.79	2.56	4.25	3.02	5.09	3.04	5.06	3.15	5.25	7.79	9.99	7.80	5.31	6.24	5.31	4.77	5.30	4.74	4.48	4.93	4.48
			U_{27} - L_{26}	2.03	3.41	2.04	3.38	2.27	3.81	1.99	3.34	2.00	3.34	2.01	3.37	7.33	7.93	7.41	5.05	6.14	5.04	4.42	4.95	4.43	4.08	4.12	4.07
			U_{28} - L_{27}	2.16	3.59	2.14	3.57	2.22	3.71	2.05	3.45	2.05	3.43	2.07	3.45	6.22	7.57	7.17	4.89	5.93	4.88	3.84	4.67	4.38	3.98	4.07	3.91
			U_{29} - L_{28}	1.67	2.80	1.67	2.80	1.67	2.80	1.86	3.10	1.86	3.10	1.86	3.10	5.71	6.88	5.71	3.94	4.36	3.94	3.51	3.73	3.51	3.22	3.31	3.31
		Span 9	U_{30} - L_{29}	1.73	2.87	1.94	3.23	1.94	3.25	2.38	3.97	3.03	5.05	2.38	3.98	6.21	7.27	6.99	4.35	4.95	4.84	3.87	4.28	4.28	3.42	3.74	3.76
			U_{31} - L_{31}	2.24	3.73	2.20	3.68	2.24	3.73	2.92	4.81	3.35	5.59	2.92	4.81	8.29	8.24	8.28	5.38	5.27	5.38	4.93	5.00	4.93	4.31	4.31	4.31
			U_{32} - L_{32}	2.04	3.40	2.04	3.40	2.04	3.40	2.27	3.78	2.27	3.78	2.27	3.78	7.09	7.09	7.09	4.98	5.08	5.16	4.25	5.08	4.25	3.93	3.88	3.88
			U_{33} - L_{33}	2.44	4.06	2.41	4.02	2.44	4.06	2.44	4.06	2.43	4.06	2.44	4.06	8.20	8.15	8.97	5.59	5.55	5.59	4.85	4.84	5.37	4.53	4.60	4.85
			U_{34} - L_{34}	2.37	3.93	2.37	3.93	2.82	4.67	3.62	6.05	3.62	6.05	3.06	5.11	8.65	9.81	10.25	5.63	5.57	6.32	5.16	5.38	5.58	4.74	4.97	5.63
			U_{35} - L_{35}	2.21	3.67	2.24	3.73	2.62	4.36	3.54	5.89	3.99	6.59	3.50	5.83	7.73	7.78	9.09	5.35	5.76	5.96	4.63	5.21	5.44	4.27	4.26	5.01
			U_{36} - L_{36}	2.11	3.52	2.11	3.52	2.54	4.22	3.51	5.83	3.51	5.83	3.50	5.81	7.23	7.23	8.20	4.95	5.49	5.71	4.25	4.35	4.61	4.04	4.34	4.60
			U_{38} - L_{37}	2.02	3.37	2.02	3.38	2.42	4.01	3.40	5.68	3.40	5.66	5.37	8.96	7.45	8.81	8.38	4.93	4.92	5.55	4.38	4.92	5.31	4.24	4.44	5.23
			U_{39} - L_{37}	1.44	2.39	1.70	2.80	1.70	2.82	5.05	8.38	6.50	10.75	7.15	11.76	5.08	5.96	6.00	3.46	4.24	3.78	2.98	3.54	3.51	3.07	3.77	3.82
			U_{39} - L_{38}	2.28	3.81	2.93	4.91	2.50	4.14	5.65	9.42	5.64	9.42	5.64	9.37	7.32	8.76	8.76	5.27	6.25	6.25	4.42	5.35	5.06	4.90	6.01	5.98
			U_{40} - L_{39}	2.66	4.41	2.70	4.53	2.70	4.48	3.56	5.95	3.58	5.92	4.11	6.84	8.11	8.11	8.11	5.39	5.49	5.49	4.91	4.90	4.90	4.64	5.30	4.66
			U_{41} - L_{40}	2.17	3.63	2.24	3.72	2.40	4.00	3.22	5.37	3.22	5.35	3.23	5.39	7.46	7.45	7.81	4.89	6.18	5.11	4.55	5.15	4.54	4.28	4.93	4.28
			U_{42} - L_{41}	2.14	3.53	2.14	3.53	2.39	4.00	3.11	5.19	3.11	5.19	3.13	5.21	7.25	8.44	7.54	5.09	5.41	5.34	4.37	5.26	4.63	4.25	4.42	4.25
			U_{43} - L_{42}	2.34	3.88	2.34	3.88	2.54	4.25	3.30	5.54	3.30	5.54	3.33	5.52	8.00	8.24	8.04	5.54	5.89	5.52	4.96	5.00	4.90	4.50	4.39	4.49
			U_{44} - L_{43}	2.23	3.73	2.45	4.07	2.16	3.60	3.11	5.19	3.11	5.21	3.15	5.23	7.55	7.45	7.40	5.09	5.64	5.07	4.54	4.76	4.56	4.19	4.03	4.07
	Unit 3	Span 10	U_0 - L_1	2.05	3.42	2.10	3.50	2.10	3.50	2.96	4.94	2.96	4.93	2.96	4.93	7.70	7.43	6.91	5.29	5.32	4.62	4.60	5.07	4.23	4.11	3.66	3.66
			U_1 - L_2	2.11	3.54	2.11	3.54	2.11	3.54	3.06	5.07	3.06	5.07	3.06	5.07	7.66	7.66	9.50	5.00	5.00	5.78	4.68	4.75	4.68	4.30	4.96	4.59
			U_2 - L_3	2.07	3.43	2.08	3.49	2.08	3.49	3.48	5.77	3.33	5.52	3.48	5.78	6.79	6.81	8.32	4.91	5.12	5.10	4.13	4.12	4.53	4.23	4.23	5.06
			U_3 - L_4	1.92	3.18	1.93	3.22	1.92	3.18	3.03	5.02	3.02	5.07	3.03	5.02	6.09	6.08	7.39	4.23	4.22	5.16	3.73	3.82	4.17	3.92	4.16	4.51
			U_4 - L_5	2.01	3.38	2.01	3.38	2.53	4.19	3.32	5.51	3.32	5.51	3.28	5.49	7.25	7.25	8.87	4.76	4.86	5.42	4.41	4.41	4.68	4.59	4.92	5.77
			U_5 - L_6	2.18	3.65	2.44	4.09	2.36	3.94	5.42	8.99	5.45	9.10	10.86	18.12	6.93	8.85	7.19	4.82	6.23	4.89	4.32	5.80	4.36	4.69	6.35	4.64
			U_7 - L_7	2.02	3.38	2.01	3.35	2.02	3.38	2.31	3.86	2.31	3.85	2.44	4.07	6.73	11.91	8.19	4.49	6.38	5.72	3.93	5.06	4.27	3.90	4.50	4.47
			U_8 - L_7	2.37	3.98	2.37	3.94	2.40	4.03	2.50	4.20	2.50	4.20	2.52	4.19	7.33	7.33	8.69	4.86	5.00	5.94	4.46	5.43	4.44	4.24	4.85	4.25
			U_9 - L_8	2.54	4.23	2.58	4.29	2.80	4.64	2.73	4.56	2.96	4.92	3.18	5.33	8.70	10.97	10.97	6.02	6.82	6.29	5.36	6.77	5.33	5.02	5.38	5.03
			U_{10} - L_9	2.45	4.07	2.66	4.44	3.12	5.19	3.20	5.33	3.38	5.65	3.17	5.31	10.03	12.64	12.41	6.77	7.51	6.94	5.97	6.31	6.23	4.75	5.22	5.43
			U_{11} - L_{10}	2.31	3.85	2.58	4.31	2.70	4.48	3.02	5.03	3.25	5.43	3.04	5.03	7.19	10.51	9.46	5.22	6.51	5.65	4.44	5.51	4.95	4.77	4.88	4.80
			U_{12} - L_{11}	2.34	3.87	2.33	3.88	2.45	4.10	2.99	4.95	3.11	5.20	2.97	4.93	7.27	9.60	8.03	4.77	6.02	5.45	4.84	5.16	4.82	4.38	4.48	4.52
			U_{12} - L_{13}	1.91	3.20	1.91	3.20	2.04	3.37	2.74	4.54	2.98	4.98	2.74	4.57	6.28	6.27	6.81	4.25	4.24	4.25	3.77	3.75	4.18	3.88	4.06	3.85
		Span 11	U_{13} - L_{14}	1.91	3.17	2.40	4.03	1.91	3.17	2.67	4.47	2.67	4.45	2.67	4.47	6.78	8.57	8.98	4.38	7.26	5.36	4.04	4.11	4.25	4.16	4.23	4.58
			U_{14} - L_{15}	2.24	3.74	3.64	6.05	2.79	4.64	2.54	4.26	3.07	5.15	2.55	4.25	7.24	7.24	9.45	5.24	5.49	5.87	4.52	5.87	5.49	5.10	5.50	6.14
			U_{15} - L_{16}	2.15	3.58	3.95	6.54	3.03	5.03	2.34	3.90	2.68	4.50	3.78	6.27	6.49	33.70	9.07	4.66	6.87	6.01	4.04	9.01	5.18	5.05	10.45	6.77
			U_{17} - L_{16}	1.57	2.63	2.54	4.24	1.95	3.26	3.99	6.66	4.97	8.24	4.79	7.94	5.34	7.87	8.09	3.45	5.05	4.66	3.18	5.42	8.64	4.14	5.47	27.21
			U_{18} - L_{17}	2.44	4.07	3.57	5.92	4.37	7.33	5.75	9.58	3.88	6.46	4.40	7.33	7.23	14.89	7.33	5.26	9.93	6.26	5.05	10.62	5.98	5.97	9.46	6.21
			U_{19} - L_{18}	2.21	3.69	2.35	3.91	2.82	4.69	3.10	5.15	3.08	5.14	4.21	7.02	7.40	10.68	13.28	5.51	6.47	6.72	4.75	5.55	6.75	5.76	5.92	5.73
			U_{20} - L_{19}	2.28	3.78	2.46	4.11	2.46	4.11	3.25	5.38	3.22	5.38	3.22	5.38	7.80	12.64	12.64	5.28	7.44	11.10	4.77	8.03	9.55	4.51	7.28	6.00

HAM-471-0025

Truss Member Rating Summary
As-Inspected South Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Upper Chord	Unit 1	Span 5	U_0 - U_1	3.88	6.47	5.01	8.39	4.04	6.72	7.10	11.88	6.93	9.24	6.31	7.92	8.37	12.63	8.30	8.81	9.32	8.83	7.39	9.85	7.35	8.05	9.32	7.81
			U_1 - U_2	2.17	3.63	2.17	3.63	2.15	3.60	3.36	4.19	3.57	4.48	3.33	4.17	5.21	6.20	5.21	4.56	5.23	4.53	4.10	4.94	4.08	4.40	5.52	4.50
			U_2 - U_3	2.33	3.88	2.98	4.96	2.40	4.00	3.38	4.23	3.64	4.56	3.38	4.24	5.63	5.92	5.73	5.81	4.04	4.20	4.82	5.20	4.83	4.95	3.99	4.36
			U_3 - U_4	3.25	5.40	3.25	5.40	3.53	5.89	4.43	7.33	4.43	7.33	4.40	7.36	7.50	8.38	7.48	5.62	5.77	5.65	7.05	5.35	7.31	6.93	5.40	6.97
			U_4 - U_5	3.32	5.50	3.40	5.70	4.03	6.71	4.27	7.15	4.27	7.13	4.29	7.13	7.16	7.16	8.70	5.39	5.42	7.89	6.97	7.08	6.57	6.47	6.71	7.16
			U_5 - U_6	3.19	5.32	3.14	5.23	3.25	5.41	3.51	5.78	3.51	5.77	6.18	10.27	7.65	7.75	12.43	5.79	5.91	8.19	6.69	5.44	6.88	5.37	5.39	5.34
			U_6 - U_7	3.06	5.08	3.11	5.19	3.07	5.09	3.21	5.39	3.21	5.34	3.85	6.39	7.35	7.61	7.34	5.54	5.66	5.59	4.98	5.09	4.90	5.14	5.19	4.90
			U_7 - U_8	2.77	3.48	4.92	6.16	4.63	5.93	2.35	3.84	4.65	6.20	2.34	3.87	5.76	12.75	8.83	4.57	9.53	7.30	4.22	8.98	7.02	3.52	6.68	5.67
		Span 6	U_8 - U_9	3.64	4.52	4.29	5.33	3.64	5.58	2.70	4.43	2.69	4.42	3.96	5.40	7.13	8.41	9.28	5.76	7.27	7.05	5.30	7.11	5.66	4.84	6.11	4.97
			U_9 - U_{10}	4.79	7.95	16.61	27.63	4.79	7.95	6.50	10.05	10.12	16.83	6.50	10.05	11.56	24.58	11.56	8.96	17.57	8.96	8.01	19.47	7.93	8.65	23.74	8.48
			U_{10} - U_{11}	2.48	4.14	4.07	6.78	2.43	4.08	3.28	4.11	7.98	10.88	3.28	4.10	5.78	11.80	5.77	4.16	8.67	4.17	4.95	6.15	4.92	4.60	6.95	4.66
			U_{11} - U_{12}	1.75	2.92	2.40	3.01	1.75	2.92	2.18	3.64	2.29	2.88	2.32	2.89	4.09	5.24	4.09	3.09	3.42	3.09	2.84	3.14	2.84	3.21	3.25	3.45
			U_{12} - U_{13}	2.00	3.32	2.40	3.01	2.00	3.32	2.39	3.98	2.67	3.34	2.67	3.30	4.50	4.67	4.51	3.42	3.64	3.42	3.02	3.39	3.02	3.60	3.37	2.91
			U_{13} - U_{14}	1.91	3.18	1.93	3.19	1.84	3.09	2.08	3.46	2.08	3.46	2.06	3.46	4.43	4.88	4.34	3.22	3.68	3.16	2.91	3.12	2.85	3.34	3.80	3.34
			U_{14} - U_{15}	1.83	3.10	1.81	2.97	1.83	3.10	1.98	3.33	2.00	3.30	1.98	3.33	4.09	4.13	4.77	3.08	3.10	3.45	2.76	2.78	2.97	3.21	3.22	3.46
			U_{15} - U_{16}	2.02	3.36	1.99	3.32	2.39	3.96	2.36	3.97	2.82	3.52	2.39	3.95	4.89	5.00	5.32	3.61	3.75	3.91	3.30	3.30	3.80	3.56	3.57	3.70
			U_{16} - U_{17}	2.39	3.94	2.45	4.12	2.92	4.87	2.80	4.66	2.80	4.66	2.76	4.61	5.03	5.05	5.98	3.81	3.85	5.39	3.50	3.60	4.49	3.99	4.28	4.47
			U_{17} - U_{18}	2.40	3.98	2.59	4.28	2.70	4.50	2.70	3.35	2.66	3.37	2.90	3.74	5.14	4.90	5.72	3.82	3.94	4.32	3.49	3.49	3.99	4.06	4.06	4.64
			U_{18} - U_{19}	2.69	4.49	2.69	4.48	2.68	3.45	2.72	3.41	2.72	3.41	2.79	3.62	4.76	4.72	6.32	4.05	4.27	4.62	3.61	3.80	4.25	4.54	4.57	3.39
			U_{19} - U_{20}	6.61	8.20	6.61	8.20	7.82	10.56	7.29	9.06	7.29	9.06	7.94	9.97	13.53	13.49	15.90	10.59	10.59	14.25	9.61	9.61	12.98	8.20	8.20	10.52
		Span 7	U_0 - U_1	4.48	7.43	7.40	12.37	4.50	7.51	5.77	9.66	5.77	9.62	5.76	9.62	15.81	20.29	15.91	11.69	17.41	11.26	9.39	14.79	9.44	7.63	11.42	7.61
			U_1 - U_2	2.36	4.00	2.47	4.17	2.36	4.00	2.76	4.62	4.14	5.38	2.76	4.62	5.96	6.75	5.96	5.60	5.32	5.60	4.74	5.32	4.74	3.97	4.37	3.97
			U_2 - U_3	2.16	3.61	3.07	5.09	2.16	3.61	2.52	4.16	4.69	5.85	2.52	4.16	5.64	6.92	5.68	5.13	5.33	5.13	4.43	5.29	4.43	3.84	4.68	3.84
			U_3 - U_4	1.89	3.12	2.54	4.24	1.92	3.21	2.12	3.52	2.12	3.52	2.10	3.52	4.56	5.59	4.56	4.40	3.75	4.37	3.92	4.45	3.88	3.54	4.66	3.48
			U_4 - U_5	1.95	3.24	2.09	3.46	1.95	3.24	2.06	3.44	2.07	3.47	2.06	3.44	4.71	5.09	4.71	4.63	3.92	4.63	3.96	4.54	3.96	3.77	4.45	3.41
			U_5 - U_6	2.09	3.47	2.17	3.59	2.28	3.81	2.11	3.49	2.09	3.47	2.09	3.49	5.08	5.11	5.09	3.92	3.94	3.98	4.55	4.51	4.60	3.81	3.99	4.02
			U_6 - U_7	2.20	3.66	2.22	3.70	2.21	3.63	1.96	3.27	1.96	3.24	1.94	3.27	5.33	5.60	5.27	3.96	3.99	3.93	4.69	4.75	4.60	3.92	4.09	3.72
			U_7 - U_8	2.22	3.70	2.24	3.69	2.29	3.82	1.94	3.23	1.94	3.24	1.94	3.25	5.23	5.26	5.92	3.92	3.92	4.26	4.63	4.61	4.17	3.87	3.70	4.01
			U_8 - U_9	2.48	4.16	2.48	4.13	2.61	4.34	2.20	3.64	2.19	3.64	2.18	3.66	5.26	5.26	5.77	4.00	4.00	4.84	5.25	5.12	4.10	4.08	4.00	4.61
			U_9 - U_{10}	3.06	5.08	3.11	5.21	4.09	5.13	2.75	4.58	2.75	4.59	4.10	5.11	6.60	6.60	8.28	5.02	5.05	5.89	6.61	6.63	4.99	5.39	5.42	5.61
			U_{10} - U_{11}	4.13	6.89	4.20	6.99	4.19	6.99	3.84	6.41	3.83	6.36	4.06	6.78	11.16	10.84	11.58	8.05	8.02	9.19	8.80	8.86	9.40	6.68	6.71	7.20
			U_{11} - U_{12}	3.43	5.70	3.49	5.82	3.64	6.09	3.15	5.23	3.14	5.24	3.91	6.55	8.47	8.48	10.63	8.35	8.37	9.66	7.28	7.49	8.27	5.47	5.51	6.15
			U_{12} - U_{13}	4.09	6.84	4.18	6.92	4.14	6.91	3.42	5.71	3.61	6.05	6.10	7.67	10.64	11.07	10.45	7.90	7.89	7.70	6.98	8.73	8.98	6.63	6.57	8.54
			U_{13} - U_{14}	3.24	4.06	5.62	6.99	4.14	5.38	1.88	3.16	4.86	6.66	1.89	3.12	6.81	12.86	9.17	5.32	9.83	7.55	4.82	9.00	6.73	4.01	7.20	5.23
		Span 8	U_{14} - U_{15}	3.70	4.60	4.86	6.30	3.37	5.00	1.93	3.26	1.97	3.25	3.56	5.94	7.48	9.45	8.36	6.02	7.75	6.27	5.49	7.12	6.68	4.46	5.13	5.05
			U_{15} - U_{16}	4.65	7.73	7.03	9.79	4.60	7.66	4.42	7.35	4.29	6.94	5.54	9.22	11.40	17.21	12.23	8.52	12.38	8.95	7.73	11.16	9.86	8.70	10.28	7.35
			U_{16} - U_{17}	4.06	6.75	11.59	17.72	4.10	6.81	4.66	7.78	5.39	8.97	4.68	7.43	10.93	23.09	10.61	8.11	19.57	7.92	8.45	19.57	8.19	6.68	17.54	6.50
			U_{17} - U_{18}	3.39	5.66	3.60	6.00	3.34	5.53	3.39	5.66	9.11	15.17	3.41	5.69	8.66	13.23	8.66	6.50	9.02	6.40	6.99	7.36	6.99	5.64	5.82	5.64
			U_{18} - U_{19}	3.81	6.35	4.53	7.55	3.72	6.23	3.85	6.42	4.08	6.80	3.85	6.38	9.36	11.81	9.41	7.90	9.96	7.90	7.14	8.97	7.14	6.73	7.40	6.83
			U_{19} - U_{20}	2.61	4.37	2.72	4.54	2.61	4.37	3.15	5.29	3.21	5.32	3.21	5.33	6.78	7.79	6.78	6.56	7.01	6.56	5.59	6.25	5.59	4.84	5.90	4.84
			U_{20} - U_{21}	2.56	4.28	2.93	4.84	2.70	4.51	2.90	4.85	3.26	5.37	2.90	4.83	6.61	7.64	6.65	6.28	6.83	6.14	5.43	5.58	5.26	4.59	5.00	5.03
			U_{21} - U_{22}	2.39	3.98	2.39	3.98	2.38	3.95	2.37	3.93	2.37	3.93	2.35	3.95	5.93	6.72	5.74	5.47	5.91	5.47	4.85	5.23	4.82	4.22	4.68	4.86
			U_{22} - U_{23}	2.38	3.98	2.35	3.93	2.43	4.07	2.33	3.90	2.33	3.89	2.33	3.90	5.92	5.86	6.62	5.52	5.53	6.12	4.84	4.86	5.86	4.16	4.21	4.50
			U_{23} - U_{24}	2.86	4.74	3.16	5.28	2.95	4.92	3.21	5.35	3.82	6.32	5.30	8.83	6.97	6.97	8.64	6.96	6.95	8.42	5.89	5.91	6.99	4.74	4.76	5.52
			U_{24} - U_{25}	3.13	5.21	3.13	5.21	4.08	6.78	3.91	6.51	3.91	6.51	5.32	8.54	7.98	8.32	10.75	7.57	7.63	10.07	6.58	6.55	7.26	5.62	5.62	10.17
			U_{25} - U_{26}	4.46	7.46	4.36	7.23	4.79	7.97	4.28	7.16	4.27	7.16	20.55	30.99	11.40	11.19	18.16	8.56	8.64	12.54	9.44	9.42	10.69	7.31	7.45	8.05
			U_{26} - U_{27}	3.39	5.64	3.46	5.75	3.84	6.44	3.76	5.90	3.78	5.87	5.39	9.04	8.77	9.21	34.71	6.64	6.72	24.77	6.98	7.09	8.20	5.47	5.44	6.19
			U_{27} - U_{28}	4.57	7.63	4.53	7.57	11.23	14.71	4.32	7.12	5.09	8.42	4.16	6.94	11.62	12.76	21.27	8.34	8.87	18.12	7.56	9.61	20.47	7.33	7.57	11.69
			U_{28} - U_{29}	5.61	7.07	10.85	13.37	6.60	8.77	3.87	6.44	9.86	12.26	9.32	11.52	12.40	22.50	13.07	9.59	17.35	10.66	8.61	16.09	9.25	6.86	12.82	8.12
			U_{29} - U_{30}	3.56	4.49	7.99	11.23	3.95	5.11	1.90	3.10	3.15	5.31	1.89	3.09	6.98	21.60	8.58	5.72	15.85	7.22	5.36	15.28	6.44	4.40	9.44	4.70
	Unit 2	Span 9	U_{30} - U_{31}	3.61	4.51	5.29	6.80	3.26	5.42	2.09	3.52	2.12	3.52	2.77	4.20	7.21	10.48	9.32	5.84	8.91	6.98	5.37	8.60	7.24	4.42	6.26	4.64
			U_{31} - U_{32}	4.00	6.65	4.12	6.85	4.07	6.78	3.71	6.16	3.75	6.23	3.66	6.08	10.16	10.76	10.77	7.68	7.83	7.88	6.64	8.85	8.39	7.19	6.85	6.44
			U_{32} - U_{33}	3.58	5.95	3.80	6.36	3.43	5.76	3.31	5.49	5.58	9.26	3.30	5.49	9.42	11.03	9.47	8.49	9.49	8.41	7.35	7.95	7.29	5.83	6.24	5.76
			U_{33} - U_{34}	3.70	6.12	4.48	7.48	3.69	6.19	3.45	5.75	4.53	7.48	3.43	5.76	9.22	11.11	9.16	8.76	7.56	8.73	7.77	8.30	7.93	6.88	7.71	7.19
			U_{34} - U_{35}	2.43	4.05	2.56	4.26	2.46	4.11	2.25	3.75	2.88	4.81	2.25	3.72	5.98	6.40	5.98	4.48	4.91	4.51	5.01	5.94	5.01	4.41	5.73	4.56
			U_{35} - U_{36}	2.04	3.40	2.25	3.74	2.03	3.40	1.86	3.09	1.88	3.14	1.87	3.12	5.08	5.76	5.12	3.68	4.48	3.67	4.16	4.57	4.13	3.70	3.91	3.56
			U_{36} - U_{37}	1.98	3.30	2.24	3.73	1.98	3.31	1.76	2.94	1.75	2.95	1.77	2.91	4.75	5.29	4.73	3.55	3.67	3.50	4.08	4.36	4.02	3.45	3.81	3.59
			U_{37} - U_{38}	1.98	3.30	1.96	3.23	1.97	3.26	1.74	2.90	1.74	2.89	1.74	2.91	4.74	4.78	5.08	3.54	3.53	3.59	4.15	4.17	3.37	3.43	3.66	3.46
			U_{38} - U_{39}	2.04	3.40	2.36	3.94	2.07	3.45	1.97	3.29	1.98	3.28	1.98	3.30	5.18	5.19	5.23	3.93	3.92	4.12	4.27	4.41	4.53	3.48	3.49	3.67
			U_{39} - U_{40}	2.01	3.39	2.02	3.39	2.59	4.38	2.05	3.42	2.05	3.42	2.06	3.40	4.84	4.84	6.63	3.75	3.63	5.73	4.14	4.14	4.76	3.45	3.43	3.59
			U_{40} - U_{41}	2.12	3.53	2.28	3.80	2.72	4.53	2.21	3.65	2.18	3.64	2.21	3.69	5.23	5.14	6.19	4.00	3.77	4.29	4.37	4.38	4.59	3.51	3.53	4.74
			U_{41} - U_{42}	2.64	4.40	3.10	5.13	2.92	4.90	2.72	4.54	2.74	4.54	2.78	4.46	5.87	5.71	6.93	4.49	4.30	5.50	5.76	4.09	4.99	4.40	4.77	5.24
			U_{42} - U_{43}	3.11	5.18	3.48	5.76	3.45	5.69	3.24	5.39	3.23	5.40	3.23	5.38	6.58	6.54	8.49	5.02	5.64	6.30	4.49	4.89	7.60	5.23	5.82	5.58
			U_{43} - U_{44}	6.62	11.09	6.62	11.09	7.10	11.88	6.82	11.31	6.82	11.31	10.76	14.26	12.39	12.50	16.55	9.58	9.79	12.21	8.75	8.75	11.10	10.87	10.87	11.00
	Unit 3	Span 10	U_0 - U_1	4.96	8.26	8.74	14.59	4.98	8.24	8.10	13.50	7.73	12.91	7.74	12.94	18.61	20.59	18.57	12.10	14.60	12.10	11.23	14.37	11.18	9.85	13.32	9.65
			U_1 - U_2	2.09	3.48	2.23	3.68	2.13	3.57	2.97	4.95	3.30	4.26	3.00	4.96	4.84	6.43	4.88	4.94	4.53	4.95	4.32	4.28	4.28	3.76	4.73	3.77
			U_2 - U_3	2.12	3.52	2.65	4.41	2.15	3.64	2.77	4.62	2.78	4.63	2.77	4.62	4.91	5.86	4.94	3.67	4.60	3.65	4.22	4.29	4.22	3.84	4.25	3.85
			U_3 - U_4	2.30	3.84	2.75	4.62	2.25	3.76	2.93	4.88	2.84	4.76	2.84	4.75	5.35	6.35	5.37	3.81	4.31	3.81	4.47	5.13	4.48	4.35	5.14	4.18
			U_4 - U_5	2.07	3.44	2.39	3.92	2.14	3.56	2.49	4.20	2.69	3.36	2.51	4.14	4.95	5.02	4.77	3.65	3.56	3.63	3.20	3.28	3.40	3.84	3.13	4.24
			U_5 - U_6	2.08	3.48	2.08	3.48	2.04	3.40	2.21	3.75	2.21	3.75	2.21	3.68	4.46	4.87	4.45	3.41	3.62	3.45	3.14	3.17	3.14	3.51	3.10	3.51
			U_6 - U_7	2.07	3.45	2.02	3.38	2.20	3.66	2.18	3.63	2.18	3.68	2.18	3.62	4.23	4.25	4.65	3.27	3.28	3.99	3.01	3.04	3.41	3.49	3.48	3.99
			U_7 - U_8	2.27	3.77	2.29	3.82	3.06	3.82	2.65	3.31	2.99	3.73	3.00	3.74	4.90	5.10	6.88	3.84	3.70	4.94	3.34	3.33	4.60	3.96	3.91	5.33
			U_8 - U_9	2.34	3.91	2.34	3.91	2.86	3.54	2.53	3.14	2.53	3.14	4.41	5.54	4.65	4.78	5.36	3.50	3.50	5.00	3.21	3.21	4.20	4.02	4.02	3.16
			U_9 - U_{10}	3.33	4.17	3.39	4.21	7.22	11.72	4.20	5.25	4.16	5.20	19.52	28.56	6.60	6.64	19.89	5.18	5.16	16.56	4.77	4.75	12.05	4.29	4.29	10.05
			U_{10} - U_{11}	4.84	8.04	4.85	8.06	13.99	19.84	6.27	7.88	6.28	7.82	6.64	11.04	11.30	11.59	26.31	8.20	8.22	21.93	7.72	7.82	26.95	6.83	7.08	11.84
			U_{11} - U_{12}	3.10	3.92	6.51	8.12	4.02	5.18	2.40	3.95	4.00	4.97	2.38	3.94	6.23	15.55	8.87	5.04	13.01	7.51	4.58	11.26	6.47	4.11	6.96	4.95
		Span 11	U_{12} - U_{13}	3.22	4.03	5.33	6.71	2.87	4.84	2.62	3.32	2.69	3.39	3.06	4.72	6.51	9.72	7.71	5.17	8.46	5.71	4.70	8.35	5.24	3.95	6.88	4.71
			U_{13} - U_{14}	3.33	5.56	3.26	5.39	3.39	5.66	3.51	5.90	3.52	5.91	3.51	5.85	8.25	8.13	8.21	6.20	5.98	6.23	5.67	5.34	5.61	5.76	5.50	5.76
			U_{14} - U_{15}	3.25	5.42	3.34	5.56	3.18	5.28	3.62	6.02	6.94	11.56	3.62	6.01	8.18	12.43	8.04	6.34	8.35	6.29	5.53	7.40	5.43	5.42	5.82	5.38
			U_{15} - U_{16}	2.66	4.43	3.07	5.14	2.71	4.49	3.46	5.76	3.45	5.76	3.45	5.77	6.58	7.38	6.63	6.31	5.78	6.31	5.46	6.02	5.45	5.39	6.05	5.34
			U_{16} - U_{17}	2.69	4.49	2.69	4.45	3.91	4.89	3.43	5.71	3.43	5.72	3.44	5.71	6.92	6.89	7.62	5.04	5.05	5.52	5.53	5.53	6.29	5.44	5.45	5.57
			U_{17} - U_{18}	2.30	3.81	2.30	3.81	3.14	3.91	3.34	4.15	3.34	4.15	3.34	4.14	5.65	5.94	6.30	4.10	4.10	4.55	4.59	4.59	5.12	4.35	4.35	4.30
			U_{18} - U_{19}	2.45	4.10	2.58	3.21	2.93	3.69	3.31	4.15	3.32	4.15	5.51	6.88	4.76	4.77	6.75	3.72	3.66	4.75	3.59	3.95	6.17	4.54	3.58	4.78
			U_{19} - U_{20}	5.00	6.19	5.38	6.73	5.28	6.88	6.55	8.20	6.56	8.20	9.13	11.55	9.93	9.93	11.38	7.83	7.82	9.09	7.08	7.06	8.48	6.55	7.81	7.27

HAM-471-0025

Truss Member Rating Summary
As-Inspected South Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Lower Chord	Unit 1	Span 5	L_0 - L_1	11.82	19.70	7.19	12.00	7.19	12.00	14.04	19.51	20.01	25.10	18.73	23.21	42.89	23.29	26.40	33.33	17.93	17.26	27.81	14.38	16.57	28.33	17.98	17.76
			L_1 - L_2	2.27	3.78	2.46	4.10	2.27	3.78	4.50	5.61	3.95	6.55	3.90	5.59	6.27	8.07	7.18	5.29	5.77	6.05	4.39	5.91	5.62	4.85	6.81	4.96
			L_2 - L_3	2.53	4.22	2.51	4.21	2.58	4.31	3.77	6.28	3.78	6.31	4.02	6.70	6.83	6.77	6.76	5.52	5.44	6.18	4.86	4.84	5.33	5.37	5.32	5.69
			L_3 - L_4	2.46	4.11	2.71	4.52	3.02	5.06	3.71	6.20	4.29	5.55	3.72	6.18	6.47	6.63	7.48	5.50	5.50	6.28	4.92	4.93	6.57	4.97	4.98	6.18
			L_4 - L_5	1.95	3.26	1.95	3.26	2.04	3.32	2.03	3.39	2.03	3.39	3.88	4.86	4.86	4.72	4.89	3.67	3.57	3.66	3.27	3.19	3.38	3.34	3.33	3.36
			L_5 - L_6	1.88	3.16	1.92	3.19	1.89	3.15	1.95	3.24	1.95	3.25	2.42	4.04	4.55	4.75	5.01	3.44	3.54	3.71	3.00	3.16	4.12	3.19	3.19	3.21
			L_6 - L_7	2.95	3.71	3.08	5.14	6.20	7.75	2.93	3.67	3.18	5.19	3.18	5.26	6.47	6.65	12.12	5.07	5.24	11.39	4.58	4.73	10.35	3.71	5.09	5.90
			L_7 - L_8	2.43	3.01	3.82	4.81	2.56	3.37	2.00	2.48	2.48	3.13	1.98	2.61	4.90	6.52	5.59	3.94	5.68	4.43	3.57	5.39	4.00	3.01	3.73	3.29
		Span 6	L_8 - L_9	1.81	2.27	2.41	3.17	3.42	4.27	1.54	1.93	1.90	2.53	2.15	2.69	3.59	5.53	6.35	2.92	4.46	5.06	2.67	3.84	4.82	2.25	3.04	4.28
			L_9 - L_{10}	4.43	5.49	6.86	8.60	5.12	6.41	3.55	4.43	6.41	8.05	5.82	7.22	8.42	12.91	11.23	6.80	10.07	8.63	6.32	9.26	7.57	5.44	7.97	7.27
			L_{10} - L_{11}	3.79	6.30	3.79	6.30	3.57	6.02	4.19	5.18	5.54	7.34	4.72	5.84	7.16	8.90	8.56	5.54	6.78	6.40	5.20	6.15	5.75	4.49	5.49	6.78
			L_{11} - L_{12}	2.22	3.68	2.17	3.64	2.93	4.93	3.20	5.33	6.36	10.48	3.18	5.29	7.86	8.07	7.90	5.01	6.03	6.41	4.33	5.31	5.11	4.39	4.95	5.52
			L_{12} - L_{13}	2.40	3.98	2.72	4.55	2.40	3.98	3.10	5.20	3.12	5.17	3.10	5.20	6.55	7.25	6.55	5.71	5.68	6.03	5.16	5.17	5.26	4.76	4.99	5.31
			L_{13} - L_{14}	2.19	3.68	2.58	4.30	2.16	3.59	2.60	4.30	2.97	4.95	2.60	4.30	5.76	6.35	6.26	5.15	5.15	6.03	4.47	4.90	5.35	4.00	4.90	4.31
			L_{14} - L_{15}	2.48	4.14	2.69	4.44	2.67	4.45	2.90	4.80	2.89	4.80	3.40	5.70	6.69	7.03	7.98	5.96	6.10	6.40	5.14	5.36	5.73	4.68	4.62	7.68
			L_{15} - L_{16}	3.39	5.65	3.24	5.42	3.49	5.75	4.00	6.68	4.01	6.69	4.03	6.73	9.07	9.64	9.16	7.58	8.40	7.62	6.63	6.65	7.08	5.87	6.25	5.94
			L_{16} - L_{17}	3.16	5.26	3.10	5.22	3.55	5.94	3.64	6.05	3.66	6.05	3.66	6.05	11.40	11.43	10.11	7.56	7.50	8.12	6.62	6.59	7.07	5.36	5.38	6.05
			L_{17} - L_{18}	4.30	7.18	3.97	6.58	4.32	7.15	4.30	7.18	4.43	7.39	4.40	7.36	16.89	14.32	15.80	11.09	9.35	10.03	9.46	8.23	8.95	7.04	6.51	7.44
			L_{18} - L_{19}	3.04	5.00	4.18	6.35	4.27	7.08	2.98	4.90	3.84	6.00	3.91	6.49	11.11	13.02	13.80	7.48	9.15	10.29	6.54	9.40	8.53	4.90	6.45	6.39
			L_{19} - L_{20}	5.15	8.60	9.90	12.43	11.69	14.64	4.92	8.19	11.10	13.81	11.50	16.95	11.36	13.81	16.43	10.22	12.82	15.57	9.59	12.36	14.03	8.29	12.82	16.50
		Span 7	L_0 - L_1	13.98	17.47	9.81	16.28	9.81	16.28	13.42	16.77	12.67	15.83	13.13	16.44	29.20	37.34	34.03	23.17	30.97	22.72	20.89	23.52	19.88	16.73	17.76	17.17
			L_1 - L_2	3.36	5.63	4.29	7.15	3.36	5.59	6.42	10.74	5.47	9.20	5.48	9.21	11.35	16.75	14.27	7.80	9.84	8.88	7.02	8.47	8.47	6.28	9.45	7.92
			L_2 - L_3	3.17	5.24	3.56	5.99	3.17	5.24	4.10	6.84	4.09	6.87	4.10	6.84	11.59	10.48	11.77	7.47	9.73	7.47	6.46	7.65	6.93	5.93	8.62	5.94
			L_3 - L_4	2.69	4.50	2.83	4.70	2.69	4.50	3.20	5.29	5.28	8.82	3.20	5.29	7.65	10.53	7.65	6.21	7.66	6.21	5.45	6.69	6.01	5.05	6.06	4.90
			L_4 - L_5	2.90	4.85	3.06	5.08	2.90	4.85	3.22	5.32	3.21	5.33	3.22	5.32	7.91	8.23	8.37	7.14	7.31	7.47	6.36	6.31	6.22	5.41	5.94	5.87
			L_5 - L_6	2.76	4.64	2.76	4.64	2.75	4.57	2.87	4.77	2.87	4.77	2.86	4.75	7.31	7.49	7.89	6.69	6.93	6.79	5.73	6.24	5.70	5.19	5.01	5.12
			L_6 - L_7	2.73	4.55	2.73	4.55	3.28	5.48	2.62	4.36	2.62	4.36	2.62	4.37	7.35	7.35	8.65	6.66	6.66	6.27	5.81	5.81	6.30	4.73	4.73	6.66
			L_7 - L_8	2.78	4.58	2.78	4.58	2.98	4.98	2.48	4.12	2.48	4.12	2.48	4.12	7.62	7.31	7.92	6.81	6.70	7.82	5.86	6.00	6.91	5.29	5.18	5.37
			L_8 - L_9	3.21	5.36	3.21	5.36	4.11	6.81	2.94	4.90	2.94	4.90	4.59	7.68	8.69	9.28	9.88	7.85	7.85	6.75	7.02	7.02	6.95	5.52	5.89	8.81
			L_9 - L_{10}	3.60	6.02	3.60	6.05	3.77	6.28	3.21	5.31	3.21	5.31	3.28	5.47	9.56	9.00	14.13	9.44	9.18	9.48	8.03	7.85	8.26	5.89	5.86	6.02
			L_{10} - L_{11}	2.16	3.64	2.21	3.65	12.38	20.70	2.00	3.32	1.95	3.20	3.55	5.93	5.96	5.73	30.83	5.65	5.51	23.45	4.76	4.79	19.87	3.57	3.54	13.95
			L_{11} - L_{12}	2.35	3.95	2.45	4.05	2.39	3.95	2.07	3.46	2.09	3.49	2.09	3.49	5.45	6.39	5.75	4.14	4.77	4.31	3.72	5.36	3.86	3.79	3.89	3.91
			L_{12} - L_{13}	3.30	4.13	3.77	6.13	6.15	7.69	2.61	4.36	3.24	5.25	3.26	5.46	7.12	9.17	11.15	5.54	6.90	9.29	5.00	7.87	8.26	4.08	5.82	6.56
			L_{13} - L_{14}	2.86	3.56	5.22	6.51	4.46	6.00	1.79	3.01	1.81	3.02	1.79	3.01	5.77	8.56	8.94	4.66	7.77	7.65	4.24	7.36	7.00	3.52	4.72	5.64
		Span 8	L_{14} - L_{15}	1.77	2.26	3.10	4.14	3.22	4.08	1.64	2.71	1.64	2.72	1.62	2.69	3.57	7.13	5.39	2.92	5.84	4.99	2.62	5.65	4.27	2.21	3.69	3.54
			L_{15} - L_{16}	3.70	4.66	7.28	9.13	5.30	8.76	2.47	4.16	5.04	6.33	6.32	10.44	7.26	11.74	12.10	6.17	10.84	8.76	5.51	10.15	11.37	4.61	6.86	8.85
			L_{16} - L_{17}	2.83	3.52	3.98	5.13	3.71	6.10	2.46	4.09	2.46	4.10	5.21	8.55	5.76	8.56	10.26	4.45	6.67	9.55	4.12	6.14	8.15	3.45	4.97	6.03
			L_{17} - L_{18}	2.53	3.35	8.74	12.97	2.77	4.62	2.82	3.52	3.00	3.95	3.57	6.04	5.68	16.26	7.21	4.32	13.22	7.32	3.90	13.42	6.17	4.93	8.57	4.80
			L_{18} - L_{19}	3.04	5.06	3.04	5.06	3.02	5.05	3.10	5.16	3.10	5.16	3.09	5.17	6.87	8.25	8.29	7.81	7.80	7.67	6.63	6.67	6.57	4.89	4.89	4.88
			L_{19} - L_{20}	3.33	5.54	3.82	6.35	3.31	5.50	3.84	6.42	4.11	6.90	3.85	6.40	9.36	11.93	11.04	7.51	9.43	8.90	6.63	7.05	7.05	6.24	6.90	6.77
			L_{20} - L_{21}	3.64	6.04	3.64	6.04	3.46	5.76	4.02	6.71	4.02	6.71	4.00	6.71	12.51	13.46	12.69	8.63	9.18	8.53	7.80	7.80	7.73	6.22	6.22	6.62
			L_{21} - L_{22}	2.69	4.48	2.69	4.48	3.30	5.06	2.90	4.83	3.24	5.40	2.92	4.83	9.75	9.80	9.05	6.26	6.86	7.16	5.53	5.53	5.85	4.76	4.76	4.89
			L_{22} - L_{23}	2.80	4.71	2.99	4.61	2.90	4.79	3.00	5.02	3.03	5.04	4.84	8.08	10.06	9.68	10.08	6.78	6.71	7.72	6.02	6.04	6.28	5.19	5.36	5.17
			L_{23} - L_{24}	3.88	6.47	3.88	6.47	5.11	8.55	4.77	7.95	4.77	7.95	6.37	10.64	14.13	14.13	15.76	9.87	9.39	10.72	8.29	8.29	8.95	7.42	7.41	7.55
			L_{24} - L_{25}	3.82	6.35	3.80	6.32	3.70	6.14	3.50	5.82	3.71	6.17	5.96	9.89	15.25	14.30	14.74	9.78	9.42	9.51	8.24	8.09	9.08	6.60	6.28	6.98
			L_{25} - L_{26}	2.69	4.44	2.67	4.45	2.69	4.50	2.48	4.11	2.80	4.67	5.87	7.77	6.91	10.66	7.31	6.87	6.89	6.90	5.87	5.88	5.90	4.31	4.32	4.33
			L_{26} - L_{27}	2.93	3.65	2.75	4.59	8.83	11.50	2.76	4.64	2.64	4.42	2.86	3.72	6.35	10.59	16.81	4.92	6.87	14.66	4.45	5.90	14.93	4.74	4.50	7.12
			L_{27} - L_{28}	3.27	4.17	3.69	6.13	5.37	7.13	2.41	4.03	3.95	6.56	2.38	3.99	6.69	9.95	9.66	5.36	7.37	8.14	4.89	8.05	8.00	3.99	5.88	6.57
			L_{28} - L_{29}	4.12	5.14	4.96	6.30	4.78	6.00	2.87	4.82	4.80	6.16	4.88	6.10	8.29	9.49	9.93	6.63	8.01	7.75	6.20	7.26	7.04	5.04	6.36	5.93
			L_{29} - L_{30}	3.45	4.27	3.61	4.51	3.95	5.32	2.00	3.33	2.01	3.34	2.02	3.37	6.46	7.91	8.91	5.41	5.71	7.41	4.93	5.25	6.63	4.14	4.32	5.73
		Span 9	L_{30} - L_{31}	1.24	1.51	2.59	3.47	2.35	3.06	1.21	2.00	1.20	2.01	1.20	2.01	2.42	5.81	3.69	1.93	4.31	3.07	1.81	4.09	2.90	1.45	4.06	2.51
			L_{31} - L_{32}	3.33	4.22	6.77	8.67	3.39	5.69	2.09	3.49	2.52	4.27	3.39	5.65	6.72	11.01	8.20	5.41	10.05	6.15	4.91	9.36	5.45	4.22	6.80	5.95
			L_{32} - L_{33}	1.99	2.52	2.50	3.20	2.50	4.17	1.81	3.02	1.82	3.02	2.13	3.44	4.35	5.67	7.33	3.38	4.41	6.15	3.02	3.93	5.50	2.43	3.06	3.93
			L_{33} - L_{34}	2.42	4.03	8.26	13.11	2.22	3.70	2.04	3.40	2.90	4.82	1.98	3.29	5.38	28.70	5.52	4.03	18.11	5.65	5.23	16.26	4.81	3.88	11.79	3.65
			L_{34} - L_{35}	4.18	6.96	4.35	7.23	3.97	6.63	3.74	6.26	3.74	6.26	3.59	5.99	11.39	16.62	11.39	10.46	11.02	10.34	9.06	9.56	8.81	6.72	6.94	6.56
			L_{35} - L_{36}	3.33	5.56	4.16	7.00	3.41	5.65	3.43	5.70	4.45	7.37	3.41	5.75	9.40	10.23	10.63	8.11	8.15	8.21	6.82	7.44	8.55	6.02	7.34	6.82
			L_{36} - L_{37}	2.96	4.91	3.08	5.11	3.00	5.05	2.69	4.51	2.70	4.52	2.71	4.50	8.48	8.61	8.12	7.00	7.73	7.33	6.20	6.62	6.22	5.45	5.40	5.50
			L_{37} - L_{38}	2.94	4.91	3.22	5.38	2.94	4.91	2.91	4.80	2.91	4.86	2.88	4.84	7.89	8.49	8.40	6.99	7.99	7.34	6.18	7.17	6.44	5.34	5.86	5.29
			L_{38} - L_{39}	3.11	5.15	3.11	5.15	4.04	6.67	3.14	5.25	3.14	5.25	3.12	5.23	8.49	9.25	9.21	7.59	7.59	8.16	6.46	6.67	6.87	5.46	5.67	5.56
			L_{39} - L_{40}	3.54	5.85	3.54	5.85	4.00	6.67	3.86	6.45	3.86	6.45	3.86	6.43	9.66	9.98	10.81	8.44	8.44	9.98	7.46	7.46	8.41	6.20	6.50	6.63
			L_{40} - L_{41}	3.40	5.68	3.50	5.85	4.18	6.97	3.60	5.97	3.59	5.98	4.39	7.32	9.40	9.76	10.44	8.19	8.23	9.37	7.16	7.17	7.95	5.84	5.80	6.76
			L_{41} - L_{42}	4.65	7.75	4.50	7.52	5.02	8.32	4.56	7.59	4.59	7.67	4.57	7.64	15.48	15.48	13.33	10.68	10.74	12.07	9.58	9.12	10.20	7.23	7.25	8.32
			L_{42} - L_{43}	5.48	9.17	5.35	8.98	5.32	8.86	4.89	8.18	5.19	8.66	5.41	9.00	19.98	19.03	19.25	13.47	12.67	12.28	11.74	12.31	11.63	9.08	9.40	9.33
			L_{43} - L_{44}	18.63	23.84	14.34	17.97	24.17	30.22	17.33	22.49	13.25	16.67	22.55	36.23	31.03	24.03	41.84	30.11	19.67	36.49	27.95	18.16	34.74	23.53	15.77	30.31
	Unit 2	Span 10	L_0 - L_1	4.42	5.47	8.98	11.18	9.72	12.10	5.37	6.70	5.38	6.70	5.37	6.67	8.94	14.35	14.24	7.20	11.47	12.55	6.54	11.68	12.70	5.63	8.79	7.86
			L_1 - L_2	3.13	5.16	4.32	7.23	3.79	5.54	3.53	5.82	8.45	14.12	9.23	12.79	10.84	14.41	13.11	7.58	9.71	8.52	6.59	9.10	7.23	5.32	11.52	8.53
			L_2 - L_3	3.55	5.94	3.94	6.55	3.38	5.63	4.83	8.04	4.41	7.31	5.64	9.33	11.37	13.69	11.38	7.94	9.09	8.36	7.38	8.16	6.99	7.73	8.72	7.31
			L_3 - L_4	2.94	4.96	2.97	4.94	2.99	4.93	3.84	6.45	3.84	6.45	3.87	6.45	10.69	9.41	9.38	7.09	7.31	7.16	6.10	6.81	6.00	5.63	7.68	5.87
			L_4 - L_5	3.25	5.39	3.22	5.36	3.40	5.66	3.94	6.61	3.96	6.58	3.95	6.63	9.27	9.56	9.32	7.90	8.02	8.56	6.88	6.85	7.12	6.31	6.08	7.89
			L_5 - L_6	2.73	4.52	3.05	5.06	2.71	4.50	3.08	5.14	3.47	5.81	3.09	5.15	6.94	7.80	7.72	6.40	6.36	6.47	5.70	5.67	6.35	4.92	5.34	5.08
			L_6 - L_7	2.52	4.21	2.74	4.58	3.19	5.29	2.92	4.88	2.91	4.86	4.32	5.39	6.76	7.28	7.46	6.20	5.40	5.29	5.28	5.47	5.55	4.51	4.67	5.45
			L_7 - L_8	3.08	5.16	3.47	5.76	3.60	5.98	4.05	6.74	4.01	6.75	4.01	6.75	8.12	8.07	9.44	7.45	7.61	6.80	6.36	6.70	7.67	5.55	5.76	6.22
			L_8 - L_9	3.20	5.31	3.39	5.70	4.51	7.50	3.99	6.60	3.98	6.63	13.74	22.85	8.68	8.56	13.18	7.25	7.66	9.03	6.53	6.71	7.81	5.60	5.94	7.01
			L_9 - L_{10}	2.89	4.84	2.89	4.86	2.93	4.88	3.76	4.70	3.79	6.30	4.33	5.65	6.84	7.21	7.31	5.17	7.16	5.40	6.29	6.22	6.32	5.46	5.40	5.44
			L_{10} - L_{11}	4.88	6.18	4.98	8.30	9.04	11.31	4.31	5.40	6.23	7.74	7.36	9.20	9.65	10.78	14.23	7.18	8.25	12.32	7.29	10.59	10.92	6.67	9.41	8.37
			L_{11} - L_{12}	3.27	4.09	6.47	8.11	3.48	4.65	2.35	2.93	3.07	3.84	2.28	2.96	6.11	8.63	7.37	5.15	6.81	5.82	4.68	6.08	5.39	4.01	6.17	4.85
			L_{12} - L_{13}	2.29	2.89	2.96	3.95	2.39	2.99	1.73	2.16	2.15	2.79	2.39	3.01	4.30	6.54	4.39	3.55	5.45	3.68	3.27	4.71	3.39	3.01	4.45	2.96
		Span 11	L_{13} - L_{14}	3.70	4.67	6.80	8.50	3.70	4.61	3.43	4.30	3.70	4.63	3.84	4.79	6.89	13.05	7.59	5.05	10.51	5.99	4.65	9.99	5.40	4.49	7.23	4.55
			L_{14} - L_{15}	2.45	4.09	2.45	4.08	2.18	3.62	2.47	4.11	2.47	4.11	2.50	4.14	4.73	6.24	5.68	3.45	4.34	4.27	3.17	3.96	3.72	4.08	4.14	4.09
			L_{15} - L_{16}	2.43	4.04	2.43	4.04	2.59	4.31	2.78	4.64	6.03	8.02	2.78	4.62	5.02	6.21	5.87	3.77	4.57	4.48	3.32	4.17	4.03	4.43	4.64	4.44
			L_{16} - L_{17}	2.62	4.36	2.81	4.71	2.70	4.48	3.57	5.96	3.56	5.97	3.58	5.96	6.49	6.51	6.70	5.57	4.80	4.90	5.07	5.36	5.43	4.89	5.42	4.98
			L_{17} - L_{18}	2.85	4.76	2.90	4.83	3.44	5.76	4.34	5.37	4.27	5.65	4.27	5.65	6.75	6.77	7.18	5.06	5.10	5.21	5.86	5.77	5.58	5.31	5.30	5.13
			L_{18} - L_{19}	3.35	5.58	3.43	5.26	4.29	7.15	4.45	5.58	4.45	5.60	4.83	8.05	6.92	6.86	9.49	5.28	5.28	8.18	4.81	4.79	7.18	6.16	6.08	7.81
			L_{19} - L_{20}	22.30	34.97	25.93	34.75	25.58	42.67	20.61	31.12	28.30	46.92	28.10	47.17	51.05	59.43	102.48	43.36	49.85	62.47	39.36	37.19	50.16	36.72	34.06	40.44

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Verticals	Unit 1	Span 5	$U_0 - L_0$	1.03	1.72	1.03	1.72	1.03	1.73	1.68	2.80	1.73	2.89	1.73	2.89	2.85	2.82	3.38	2.45	2.46	2.77	2.20	2.20	2.17	2.00	2.00	2.41
			$U_1 - L_1$	2.08	3.47	2.98	4.97	2.20	3.70	3.43	4.35	3.43	4.36	2.93	4.26	5.28	6.04	6.32	4.63	4.47	4.87	3.76	5.28	5.26	3.97	4.16	4.71
			$U_2 - L_2$	2.66	4.44	3.69	6.16	3.69	6.16	3.43	4.61	6.16	8.03	4.45	6.53	9.11	11.36	10.40	5.35	8.24	7.51	4.83	8.36	6.56	5.80	7.84	6.92
			$U_3 - L_3$	3.18	5.31	4.01	6.68	4.01	6.68	4.13	6.89	4.13	6.87	4.13	6.87	8.81	15.54	15.54	7.35	11.62	12.50	6.36	9.05	11.59	6.42	9.01	11.31
			$U_4 - L_4$	3.18	5.27	5.21	8.02	6.73	8.53	2.04	3.39	2.10	3.52	2.10	3.52	8.05	20.37	11.35	6.05	8.79	9.45	5.30	8.68	8.13	5.34	7.23	7.37
			$U_5 - L_5$	2.29	3.80	2.35	3.91	2.09	3.47	2.19	3.66	2.19	3.65	2.19	3.65	3.83	4.72	3.68	3.00	3.62	2.85	2.74	3.25	2.61	2.47	2.96	2.47
			$U_6 - L_6$	1.72	2.27	2.06	2.62	1.73	2.27	1.85	2.41	2.14	2.71	1.93	2.55	3.24	4.59	3.27	2.90	3.48	2.91	2.65	3.11	2.64	2.28	2.62	2.34
			$U_7 - L_7$	1.44	1.86	1.97	2.52	1.43	1.84	1.63	2.09	2.25	2.89	1.66	2.12	2.83	4.27	2.32	2.26	3.28	2.30	2.06	2.96	2.11	1.82	2.51	1.83
			$U_8 - L_8$	3.14	3.92	4.09	5.13	3.98	5.00	3.20	4.00	4.13	5.19	4.00	5.02	7.02	8.75	8.90	4.97	6.73	6.88	5.09	6.18	6.14	4.07	5.03	4.96
		Span 6	$U_9 - L_9$	1.85	3.11	1.93	3.26	1.85	3.11	1.52	1.89	1.51	1.90	2.09	2.78	2.78	2.76	4.51	2.15	2.19	3.45	1.95	1.99	3.02	2.80	3.26	3.24
			$U_{10} - L_{10}$	2.31	3.86	2.96	4.96	2.92	4.72	3.02	5.04	3.04	5.03	3.20	5.13	4.80	4.89	6.93	3.73	3.73	4.96	3.35	3.35	4.31	3.67	3.03	4.88
			$U_{11} - L_{11}$	2.13	3.53	2.72	4.54	2.73	4.53	2.97	4.94	2.97	4.95	2.95	4.95	6.24	6.31	6.58	4.30	4.76	4.88	4.21	4.37	4.49	4.30	5.27	4.99
			$U_{12} - L_{12}$	1.87	3.08	3.03	5.00	2.50	4.16	2.97	4.93	2.97	4.97	2.98	4.94	4.18	4.46	7.12	3.23	3.50	5.43	4.01	3.21	4.78	3.57	4.32	4.33
			$U_{13} - L_{13}$	2.06	3.42	2.66	4.42	2.65	4.39	2.42	4.03	2.41	4.04	2.42	4.01	4.53	3.69	6.88	3.46	3.22	4.79	3.50	5.09	5.11	3.91	3.92	3.92
			$U_{14} - L_{14}$	2.64	4.41	6.30	9.17	8.31	11.40	2.18	3.61	2.17	3.63	2.17	3.63	8.82	13.86	25.73	5.44	9.08	17.33	4.81	8.69	11.50	5.02	8.80	9.72
			$U_{15} - L_{15}$	3.30	5.50	4.11	6.86	4.11	6.86	4.34	7.24	4.36	7.27	4.36	7.27	9.14	11.08	9.13	8.18	10.00	10.00	7.38	9.06	9.06	6.96	6.57	6.99
			$U_{16} - L_{16}$	2.75	4.57	2.89	4.82	2.89	4.82	3.46	5.81	3.48	5.79	3.48	5.79	5.30	6.80	4.36	4.08	5.50	4.08	5.95	5.98	5.98	5.02	5.13	5.13
			$U_{17} - L_{17}$	1.92	3.19	1.94	3.23	1.94	3.23	2.15	3.58	2.16	3.59	2.16	3.59	2.78	4.10	2.79	2.36	3.15	2.36	3.98	3.95	3.95	3.35	3.33	3.33
			$U_{18} - L_{18}$	2.61	4.38	2.61	4.38	2.61	4.38	2.92	4.81	2.92	4.81	2.92	4.81	3.52	5.82	3.52	2.85	4.45	2.85	2.62	3.96	2.62	4.49	4.49	4.49
			$U_{19} - L_{19}$	2.15	2.68	3.17	4.06	2.20	2.77	2.30	2.87	3.25	4.18	2.29	2.83	4.19	6.54	4.18	3.39	5.29	3.39	3.12	4.79	3.10	2.65	4.04	2.86
			$U_{20} - L_{20}$	1.03	1.29	1.96	2.50	1.03	1.30	1.11	1.39	1.97	2.52	1.11	1.39	3.68	4.27	3.43	2.92	3.13	2.78	1.48	2.82	1.49	1.24	2.55	1.23
		Span 7	$U_0 - L_0$	1.41	2.35	1.42	2.35	1.71	2.83	1.69	2.82	1.70	2.82	1.70	2.81	4.60	3.89	4.63	3.19	2.70	3.26	3.24	2.74	3.25	2.46	2.56	2.48
			$U_1 - L_1$	2.42	4.05	2.52	4.23	2.42	4.06	2.69	4.54	2.68	4.47	2.69	4.50	4.37	4.46	6.05	3.37	3.37	4.71	4.31	5.28	5.28	3.60	4.20	4.17
			$U_2 - L_2$	2.06	3.46	2.31	3.84	2.31	3.84	2.53	4.19	2.53	4.21	2.53	4.21	4.11	3.92	5.82	3.14	3.16	4.31	4.86	4.86	4.86	3.35	4.19	3.92
			$U_3 - L_3$	1.64	2.72	1.92	3.21	1.92	3.21	2.15	3.55	2.14	3.56	2.14	3.56	3.40	3.16	4.55	3.66	4.75	4.75	3.89	4.18	4.18	3.17	3.57	3.57
			$U_4 - L_4$	2.37	3.95	2.70	4.53	2.37	3.95	2.84	4.73	2.86	4.76	2.84	4.73	4.97	4.97	6.15	5.24	6.44	6.47	3.92	5.42	5.43	3.45	4.66	4.68
			$U_5 - L_5$	3.04	5.06	4.47	7.46	4.47	7.43	4.61	7.69	4.60	7.70	4.62	7.66	11.13	12.17	11.68	6.33	9.90	9.91	7.43	7.41	7.42	5.62	7.57	7.52
			$U_6 - L_6$	2.78	4.64	4.41	7.30	4.41	7.30	4.76	7.93	4.68	7.77	4.68	7.77	9.39	16.28	16.28	8.96	8.97	8.97	6.53	9.75	9.75	5.82	8.92	9.52
			$U_7 - L_7$	3.14	5.23	6.74	10.30	7.27	9.93	2.76	4.63	6.08	9.41	8.37	10.41	8.97	18.64	13.22	6.03	14.49	12.24	5.93	13.70	11.93	6.02	11.26	10.04
			$U_8 - L_8$	2.41	3.98	2.39	3.99	2.41	3.98	3.18	5.29	3.09	5.14	3.14	5.15	4.56	6.61	4.17	5.85	5.79	5.85	5.00	4.99	5.05	4.12	4.07	4.12
			$U_9 - L_9$	3.00	4.99	2.99	5.05	3.00	4.99	2.63	4.38	3.46	5.78	3.45	5.77	5.32	8.08	5.32	7.30	7.30	7.30	6.33	6.30	6.33	5.06	5.09	5.09
			$U_{10} - L_{10}$	2.92	4.86	2.91	4.88	2.91	4.88	3.34	5.57	3.22	5.45	3.19	5.30	5.05	7.21	5.06	3.84	5.31	3.82	6.37	6.37	6.37	4.82	4.82	4.82
			$U_{11} - L_{11}$	2.40	4.00	2.40	4.00	2.40	4.00	2.23	3.71	2.45	4.08	2.45	4.08	4.09	5.98	4.09	3.06	4.38	3.13	5.21	5.27	5.21	3.97	3.97	3.97
			$U_{12} - L_{12}$	2.44	4.04	2.44	4.04	2.44	4.04	2.31	3.85	2.39	4.00	2.39	4.00	4.02	5.81	3.14	3.11	4.25	3.11	2.77	3.74	2.79	3.95	3.92	3.92
			$U_{13} - L_{13}$	2.69	4.45	2.69	4.45	2.69	4.51	2.51	4.23	2.51	4.23	2.92	4.86	2.82	5.82	3.57	2.69	4.31	2.73	2.43	3.83	2.46	4.13	4.13	4.32
			$U_{14} - L_{14}$	4.04	5.06	5.16	8.62	5.16	8.62	3.06	5.11	5.37	8.79	5.91	9.05	8.34	10.92	9.61	6.34	8.39	7.42	5.48	7.66	6.84	4.83	9.25	9.25
	Unit 2	Span 8	$U_{15} - L_{15}$	2.29	3.84	3.02	5.02	3.02	5.02	3.24	5.38	3.24	5.40	3.24	5.40	4.32	4.53	7.45	3.30	7.04	7.05	5.39	6.60	6.60	4.26	5.30	5.29
			$U_{16} - L_{16}$	2.58	4.28	2.77	4.69	2.61	4.28	2.56	4.25	2.56	4.32	2.80	4.70	4.88	4.93	6.14	3.71	3.75	4.69	4.55	5.86	5.52	3.75	4.59	4.37
			$U_{17} - L_{17}$	2.33	3.88	2.61	4.30	2.61	4.30	2.43	4.05	2.42	4.03	2.42	4.03	4.82	4.54	7.00	5.16	6.46	6.46	5.44	5.42	5.42	3.85	4.40	4.40
			$U_{18} - L_{18}$	2.08	3.46	2.52	4.20	2.52	4.20	1.78	2.99	1.78	2.97	1.78	2.97	4.84	4.53	6.85	3.67	3.68	4.94	4.93	5.49	5.49	4.00	4.58	4.46
			$U_{19} - L_{19}$	2.36	3.94	2.50	4.16	2.36	3.94	2.74	4.58	2.76	4.61	2.74	4.58	4.75	4.97	6.67	5.67	6.03	6.02	4.33	5.08	5.07	3.82	4.30	4.31
			$U_{20} - L_{20}$	2.12	3.52	2.78	4.59	2.78	4.59	3.11	5.18	3.13	5.19	3.13	5.19	4.92	4.60	6.71	4.50	3.74	4.80	5.18	5.18	5.18	3.88	5.17	5.17
			$U_{21} - L_{21}$	2.40	3.99	3.59	6.01	3.58	5.98	3.80	6.32	3.78	6.32	3.79	6.31	6.91	7.17	10.37	5.28	7.85	7.88	5.81	7.87	7.84	5.02	7.27	7.28
			$U_{22} - L_{22}$	2.92	4.87	10.40	16.90	14.91	18.61	2.30	3.84	10.48	13.15	10.15	12.68	8.35	20.80	19.34	5.67	20.61	18.87	5.52	19.12	17.56	5.63	16.94	15.26
			$U_{23} - L_{23}$	3.01	5.05	3.01	5.05	3.01	5.05	3.21	5.36	3.21	5.36	3.21	5.36	5.75	7.72	5.25	6.94	6.94	6.94	6.20	6.20	6.20	5.06	5.24	5.24
			$U_{24} - L_{24}$	2.39	4.00	2.39	4.01	2.39	4.01	1.87	3.14	2.35	3.92	2.35	3.92	3.97	5.69	3.97	3.03	4.00	3.03	4.99	4.99	4.99	4.14	4.14	4.14
			$U_{25} - L_{25}$	2.32	3.86	2.32	3.86	2.32	3.86	2.41	4.02	2.50	4.17	2.41	4.02	4.09	6.38	4.09	3.18	4.62	3.18	5.01	4.96	4.96	3.97	3.97	3.97
			$U_{26} - L_{26}$	2.63	4.36	2.63	4.36	2.63	4.36	1.88	3.15	2.71	4.51	2.71	4.51	4.66	6.94	4.19	3.55	5.14	3.55	5.55	5.55	5.55	4.38	4.38	4.38
			$U_{27} - L_{27}$	2.85	4.81	2.88	4.79	2.88	4.79	2.38	3.95	2.62	4.37	2.38	3.96	4.37	7.06	4.37	3.36	5.21	3.39	5.96	6.04	6.04	4.72	4.75	4.75
			$U_{28} - L_{28}$	2.74	4.57	2.74	4.55	2.74	4.55	2.54	4.27	2.64	4.47	2.64	4.47	4.92	6.22	4.33	3.76	4.62	3.81	3.37	4.04	5.82	4.49	4.48	4.43
			$U_{29} - L_{29}$	3.89	6.45	3.89	6.45	3.89	6.45	4.09	6.78	4.13	6.85	4.13	6.85	5.89	8.70	4.95	4.50	6.44	3.92	4.02	5.81	4.02	6.16	6.16	6.16
			$U_{30} - L_{30}$	3.24	4.04	4.08	6.83	4.08	6.83	2.91	4.77	4.25	5.30	4.24	5.30	7.19	8.62	9.09	5.09	6.84	7.14	4.73	6.13	6.36	4.33	7.29	7.29
	Unit 3	Span 9	$U_{31} - L_{31}$	2.09	3.51	2.23	3.66	2.09	3.48	2.31	3.88	2.51	4.14	2.52	4.17	2.59	2.62	5.11	1.96	2.05	3.85	3.67	4.68	4.70	3.01	3.59	3.58
			$U_{32} - L_{32}$	2.22	3.69	2.63	4.39	2.63	4.39	2.55	4.25	2.55	4.25	2.84	4.74	4.22	4.14	6.31	3.27	3.13	4.65	5.44	5.42	5.42	4.14	4.14	4.14
			$U_{33} - L_{33}$	2.05	3.45	2.73	4.58	2.73	4.60	1.99	3.33	3.00	5.01	2.99	4.98	4.63	4.40	6.90	3.50	3.47	5.08	4.87	6.02	5.95	3.83	4.79	4.80
			$U_{34} - L_{34}$	2.69	4.48	3.25	5.41	2.71	4.52	3.41	5.69	3.42	5.67	3.44	5.70	5.06	5.62	7.82	4.27	4.34	6.24	4.58	6.59	6.58	3.85	5.42	5.46
			$U_{35} - L_{35}$	2.49	4.14	3.09	5.15	3.11	5.15	3.89	6.46	3.90	6.49	3.89	6.49	5.94	5.84	8.42	5.40	4.55	6.00	6.18	6.13	6.13	4.14	5.65	4.57
			$U_{36} - L_{36}$	2.14	3.56	2.60	4.33	2.58	4.33	3.85	6.42	3.19	3.98	3.34	4.89	5.26	4.97	7.06	4.72	4.25	5.10	5.17	5.54	5.53	4.18	4.87	4.88
			$U_{37} - L_{37}$	2.73	4.57	6.98	10.04	8.98	13.58	2.91	4.83	7.52	9.38	5.26	8.17	7.83	16.06	25.04	5.34	15.00	17.00	5.28	11.74	11.62	5.25	9.52	8.11
			$U_{38} - L_{38}$	4.88	8.08	4.88	8.08	4.88	8.08	4.69	7.85	4.69	7.85	4.69	7.85	12.24	18.08	18.08	9.06	9.14	12.52	8.41	8.41	8.41	9.16	9.15	9.60
			$U_{39} - L_{39}$	3.53	5.87	4.06	6.80	4.06	6.80	4.00	6.63	3.98	6.66	3.98	6.66	9.18	10.86	9.15	8.64	8.63	8.63	7.68	7.81	7.70	6.80	6.79	6.79
			$U_{40} - L_{40}$	2.47	4.15	2.47	4.15	2.47	4.15	2.75	4.56	2.75	4.56	2.75	4.56	4.48	5.75	4.48	6.03	6.03	6.03	5.30	5.30	5.30	4.26	4.26	4.26
			$U_{41} - L_{41}$	2.07	3.46	2.07	3.46	2.07	3.46	2.17	3.61	2.17	3.61	2.17	3.61	3.47	5.11	2.98	5.04	5.20	5.04	4.36	4.36	4.36	3.46	3.46	3.46
			$U_{42} - L_{42}$	2.71	4.51	2.71	4.51	2.71	4.51	2.79	4.64	2.79	4.64	2.79	4.64	4.34	6.52	3.84	3.33	5.25	3.33	5.81	6.04	5.81	4.51	4.51	4.51
			$U_{43} - L_{43}$	3.30	5.48	3.30	5.48	3.30	5.48	3.30	5.54	3.30	5.54	3.30	5.54	4.29	6.93	4.29	3.44	6.16	3.44	3.38	5.55	3.13	5.46	5.46	5.46
			$U_{44} - L_{44}$	2.84	4.72	2.65	3.42	2.84	4.72	2.84	4.73	2.70	4.49	2.84	4.73	4.92	5.67	4.92	3.93	4.37	3.93	3.56	3.90	3.56	4.65	4.46	4.65
		Span 10	$U_0 - L_0$	1.22	2.04	1.22	2.05	1.23	2.05	1.53	2.55	2.14	2.66	1.53	2.55	3.32	3.38	3.09	2.37	2.37	2.25	2.43	2.09	2.29	2.06	2.23	2.23
			$U_1 - L_1$	1.95	3.28	2.41	3.96	2.41	3.96	2.12	2.62	2.10	2.66	2.76	3.50	3.91	3.58	5.26	3.07	3.03	4.07	2.72	2.77	3.75	3.76	4.32	4.32
			$U_2 - L_2$	2.08	3.47	2.29	3.80	2.08	3.47	1.92	2.40	1.91	2.40	2.43	3.12	3.48	3.33	4.75	2.65	2.61	3.73	2.41	2.46	3.28	3.18	3.97	3.97
			$U_3 - L_3$	1.58	2.65	1.77	2.99	1.77	2.99	2.09	3.49	2.10	3.50	2.10	3.50	2.74	2.77	3.85	2.20	2.14	2.88	2.96	3.54	3.54	2.80	3.41	3.20
			$U_4 - L_4$	1.88	3.13	2.81	4.68	2.81	4.68	3.34	5.60	3.35	5.58	3.35	5.58	5.14	4.86	6.54	3.53	3.91	4.87	4.48	6.29	6.29	3.92	4.91	4.91
			$U_5 - L_5$	3.41	5.72	3.41	5.72	3.41	5.72	4.44	7.39	4.44	7.39	4.44	7.39	7.88	11.81	10.07	7.15	11.10	11.10	5.33	8.43	8.43	5.41	8.72	8.69
			$U_6 - L_6$	2.98	4.97	7.30	11.18	7.48	10.71	2.24	3.73	5.74	8.95	9.15	11.46	8.44	23.24	13.58	6.32	14.90	11.67	5.11	9.10	13.63	5.06	9.48	10.93
			$U_7 - L_7$	2.20	3.70	2.24	3.73	2.24	3.73	2.20	3.70	2.18	3.67	2.18	3.67	3.43	5.80	3.44	2.73	4.22	2.74	4.60	4.58	4.58	3.92	3.96	4.01
			$U_8 - L_8$	2.71	4.52	2.71	4.52	2.71	4.52	2.52	4.23	2.81	4.71	2.81	4.71	3.86	6.07	3.86	3.00	4.75	3.05	2.72	4.06	2.72	4.45	4.45	4.45
			$U_9 - L_9$	2.56	4.27	2.71	4.51	2.71	4.51	2.68	4.47	2.69	4.49	2.69	4.49	6.00	6.02	5.53	4.51	4.78	4.74	4.02	4.20	4.22	4.21	4.56	4.22
			$U_{10} - L_{10}$	1.92	2.55	2.38	3.02	1.95	2.55	2.00	2.56	2.43	3.11	2.66	4.43	4.23	5.85	3.47	3.27	4.58	3.39	2.97	4.20	3.06	2.42	2.97	4.08
			$U_{11} - L_{11}$	1.43	1.81	2.12	2.74	1.45	1.85	1.28	1.60	2.24	2.82	1.49	1.90	2.43	4.55	2.41	2.00	3.58	2.26	2.11	3.24	2.11	1.79	2.78	1.85
		Span 11	$U_{12} - L_{12}$	3.31	4.11	3.97	6.57	4.29	6.82	3.16	3.96	4.97	6.16	4.48	5.59	7.40	9.19	8.02	5.22	7.09	6.31	4.55	6.46	5.74	4.08	6.16	5.60
			$U_{13} - L_{13}$	1.32	2.19	1.55	2.59	1.57	2.58	1.23	1.58	1.30	1.65	1.98	2.54	1.97	2.04	3.36	1.55	1.57	2.48	1.39	1.49	2.21	2.78	1.47	2.78
			$U_{14} - L_{14}$	1.68	2.81	1.93	3.23	2.20	3.51	2.23	2.78	2.09	2.69	2.86	3.57	3.70	3.70	5.07	2.93	2.95	3.63	2.54	2.65	4.58	2.62	2.73	3.43
			$U_{15} - L_{15}$	2.01	3.35	2.01	3.35	2.04	3.40	2.65	4.39	2.65	4.39	2.58	4.29	4.25	4.48	5.17	3.18	3.40	3.97	2.75	3.02	3.36	2.82	3.32	3.73
			$U_{16} - L_{16}$	2.51	4.20	5.28	7.63	5.01	7.69	1.97	3.25	2.01	3.35	2.01	3.35	8.27	9.10	25.51	4.94	7.86	13.14	4.58	7.55	10.52	4.45	7.78	10.89
			$U_{17} - L_{17}$	4.32	7.23	6.27	10.47	6.27	10.47	5.23	8.69	5.24	8.67	5.24	8.67	12.06	22.78	18.07	9.63	12.67	12.37	9.22	13.00	9.14	8.77	8.74	8.74
			$U_{18} - L_{18}$	4.48	7.48	4.98	8.34	4.98	8.34	5.82	9.73	5.83	9.72	5.83	9.72	11.56	10.82	9.65	10.50	10.00	10.53	9.71	9.69	9.69	7.75	9.19	9.19

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Truss Member Rating Summary
As-Inspected South Truss

			HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
			Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
			Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
		U_{19} - L_{19}	2.85	3.56	3.39	4.58	2.87	3.58	3.45	4.31	4.15	5.58	3.43	4.29	5.29	6.38	5.29	4.35	5.37	4.36	4.01	4.85	4.01	3.74	4.93	3.75
		U_{20} - L_{20}	2.18	3.64	1.89	2.43	1.33	1.66	1.58	1.99	2.49	3.20	1.60	2.00	2.32	3.94	2.24	1.92	3.27	1.87	1.76	2.94	1.76	1.62	2.54	1.59

HAM-471-0025

Truss Member Rating Summary
As-Inspected South Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
Diagonals	Unit 1	Span 5	$U_0 - L_1$	3.11	5.17	3.12	4.66	2.76	4.58	4.19	5.28	7.94	10.88	4.21	5.25	7.62	7.64	7.34	7.11	6.04	5.87	5.98	5.95	4.77	6.12	4.40	4.35
			$U_1 - L_2$	3.02	4.99	2.78	4.62	2.68	4.45	3.66	6.10	3.60	6.00	3.62	6.03	7.80	8.07	7.17	6.83	6.54	6.39	6.10	5.83	6.53	6.30	5.59	5.96
			$U_2 - L_3$	4.80	8.02	3.52	5.89	3.79	6.31	3.60	6.02	4.70	7.81	3.63	6.04	12.56	13.49	13.81	9.19	9.07	9.74	8.28	7.40	9.25	9.46	7.57	10.88
			$U_3 - L_4$	2.34	3.90	2.94	4.91	2.51	4.17	2.87	4.78	3.73	6.22	5.84	7.57	6.86	9.32	7.54	5.62	7.44	5.34	5.19	6.60	4.89	5.04	5.66	8.70
			$U_4 - L_4$	3.25	5.42	3.50	5.58	6.16	7.74	2.82	4.69	3.50	5.42	3.22	5.39	7.04	8.57	16.43	7.63	7.35	10.96	6.41	6.32	9.23	6.16	6.85	6.54
			$U_4 - L_5$	3.50	5.81	3.45	5.74	3.09	5.17	3.33	5.59	4.18	6.77	3.50	5.75	6.78	8.10	6.78	5.35	8.45	5.35	4.95	7.17	4.93	4.91	6.69	5.01
			$U_5 - L_6$	3.29	5.48	3.19	5.31	3.25	5.43	3.90	4.93	4.02	5.26	3.97	5.01	6.62	8.32	6.61	5.26	6.16	5.27	4.88	6.00	4.84	4.51	5.89	4.48
			$U_6 - L_7$	3.85	4.81	4.19	5.53	3.85	4.83	4.27	5.38	4.69	6.16	4.67	5.87	7.71	9.33	7.71	6.10	7.10	6.07	5.55	6.38	5.54	4.97	5.55	4.93
		Span 6	$U_7 - L_8$	3.01	5.03	3.13	5.19	3.12	5.16	3.43	5.69	3.37	5.60	3.67	4.60	7.16	7.53	7.25	5.43	5.74	5.51	4.86	4.83	4.90	5.06	5.14	5.50
			$U_8 - L_{10}$	2.98	4.97	2.89	4.82	3.21	5.35	3.13	5.21	3.11	5.21	3.46	5.77	7.13	7.46	7.61	5.33	5.39	5.67	4.87	4.82	5.29	4.92	4.92	5.51
			$U_{10} - L_{11}$	2.86	4.78	3.00	4.67	2.87	4.75	3.34	5.57	3.49	5.36	3.35	5.55	7.48	7.60	7.11	5.39	5.45	5.30	4.97	5.00	4.99	5.41	5.17	6.32
			$U_{11} - L_{12}$	2.55	4.26	2.69	4.15	2.42	4.05	2.76	4.56	3.06	4.59	2.74	4.58	6.69	6.83	6.57	5.22	6.14	5.16	5.50	5.60	4.94	4.74	4.58	4.79
			$U_{12} - L_{13}$	2.65	4.41	2.64	4.42	2.73	4.57	2.73	4.55	2.70	4.51	2.70	4.52	6.54	7.04	6.90	4.86	5.04	5.07	5.50	5.23	5.53	5.01	4.69	4.70
			$U_{13} - L_{14}$	2.55	4.25	2.57	4.27	2.39	4.01	2.38	3.97	2.38	4.00	5.74	7.10	6.27	7.40	9.12	5.34	5.74	6.24	4.82	5.36	5.38	5.05	4.74	7.54
			$U_{14} - L_{15}$	3.79	6.28	6.59	11.05	4.64	7.70	7.51	12.58	7.57	12.58	12.93	18.36	12.26	19.93	16.16	10.92	16.83	9.75	8.01	13.33	10.55	8.40	12.30	11.39
			$U_{15} - L_{15}$	3.53	5.84	3.63	6.05	3.85	6.42	4.50	7.54	4.53	7.48	4.51	7.55	7.94	8.27	7.94	7.47	7.38	9.18	8.11	7.67	8.21	6.86	7.06	7.13
			$U_{17} - L_{16}$	2.28	3.79	2.28	3.79	2.34	3.88	2.58	4.32	2.58	4.32	2.58	4.32	5.05	5.05	5.21	5.45	5.45	5.52	4.79	5.05	4.74	4.06	4.10	4.11
			$U_{18} - L_{17}$	2.62	4.40	2.62	4.40	2.62	4.40	2.92	4.95	2.92	4.95	2.92	4.95	5.38	5.38	5.38	4.23	5.16	4.23	5.46	5.73	5.46	4.58	4.58	4.58
			$U_{19} - L_{18}$	2.84	4.70	2.84	4.70	2.84	4.70	3.12	5.17	3.12	5.17	3.12	5.17	5.82	5.82	5.82	4.56	5.32	4.56	4.16	4.70	4.16	4.80	4.80	4.80
			$U_{20} - L_{19}$	3.03	3.80	3.34	4.38	3.09	3.88	3.15	3.99	3.21	4.25	3.15	3.96	6.17	6.18	6.19	4.95	5.84	4.88	4.50	5.20	4.45	3.84	4.20	3.84
		Span 7	$U_0 - L_1$	2.39	3.96	2.33	3.86	2.33	3.86	2.41	3.98	5.67	7.89	2.39	4.00	6.20	6.23	6.22	4.55	4.72	4.54	5.18	4.28	4.09	4.00	4.02	3.82
			$U_1 - L_2$	2.21	3.71	2.21	3.71	2.44	4.05	2.32	3.86	2.32	3.86	2.35	3.89	5.87	5.87	6.30	5.37	5.37	4.60	5.05	4.62	5.06	3.71	3.71	3.97
			$U_2 - L_3$	2.04	3.39	2.04	3.39	2.31	3.84	2.28	3.78	2.28	3.78	2.29	3.80	5.68	5.68	6.14	5.56	5.03	5.58	4.57	4.57	4.56	3.75	3.74	3.72
			$U_3 - L_4$	2.18	3.61	2.18	3.61	2.33	3.86	2.29	3.83	2.29	3.83	2.30	3.83	5.90	5.90	6.50	5.62	5.49	6.14	4.55	4.55	5.15	3.83	3.83	4.52
			$U_4 - L_5$	3.23	5.41	3.23	5.41	3.67	6.10	3.49	5.80	3.49	5.80	3.48	5.81	9.67	9.67	9.76	7.61	7.61	8.27	7.33	6.69	7.29	6.04	5.99	6.41
			$U_4 - L_6$	4.77	7.94	4.93	8.28	4.90	8.18	4.84	8.08	4.82	8.06	5.58	9.27	17.79	14.13	17.98	9.81	11.68	10.38	8.80	10.68	9.11	10.01	9.28	8.06
			$U_6 - L_7$	2.06	3.43	2.38	3.98	2.05	3.41	3.20	5.33	3.72	6.19	3.22	5.36	7.65	8.75	7.56	5.32	5.86	5.25	4.77	5.61	4.69	4.08	4.63	3.91
			$U_6 - L_7$	2.58	4.28	2.96	4.86	3.04	5.04	4.04	6.68	3.97	6.65	3.77	6.29	6.69	8.24	7.16	5.62	6.93	7.84	5.97	7.27	5.97	5.10	5.69	5.24
			$U_8 - L_8$	2.33	3.89	2.37	3.92	2.46	4.10	2.82	4.61	2.86	4.76	3.49	5.80	5.80	6.83	5.92	5.69	5.78	6.09	4.97	5.02	5.09	3.93	4.12	4.06
			$U_{10} - L_9$	2.71	4.50	2.81	4.37	2.71	4.50	2.97	4.96	3.15	5.00	2.84	4.77	6.41	7.15	6.41	6.55	6.50	6.64	5.75	5.60	5.78	4.54	4.55	4.54
			$U_{11} - L_{10}$	2.61	4.33	2.68	4.46	2.68	4.49	2.69	4.51	2.79	4.64	3.30	5.51	6.41	7.57	6.39	6.44	6.83	6.77	5.60	5.77	5.78	4.33	4.41	4.44
			$U_{12} - L_{11}$	2.58	4.29	2.62	4.34	2.55	4.25	2.42	4.04	2.60	4.34	2.42	4.04	5.89	6.80	5.99	4.51	4.97	4.59	5.48	5.48	5.48	4.16	4.29	4.16
			$U_{13} - L_{12}$	2.70	4.52	2.75	4.59	2.70	4.52	2.59	4.30	2.59	4.31	2.59	4.30	6.06	7.11	6.06	4.57	5.17	4.57	5.77	5.74	5.77	4.43	4.59	4.39
			$U_{14} - L_{13}$	4.41	7.22	3.97	6.61	4.44	7.44	4.00	6.63	3.61	6.02	3.99	6.61	9.75	10.75	9.62	7.50	7.82	7.33	6.71	7.12	9.48	6.89	6.60	6.96
		Span 8	$U_{14} - L_{15}$	2.54	4.19	2.53	4.19	2.58	4.25	2.98	4.99	2.98	4.99	3.04	5.11	6.18	6.21	6.20	6.05	4.77	5.95	5.14	5.25	5.20	4.32	4.37	4.32
			$U_{15} - L_{16}$	1.81	3.05	1.81	3.05	1.98	3.32	2.04	3.44	2.04	3.44	2.04	3.39	4.72	4.72	5.03	4.49	4.50	4.79	3.81	3.72	4.04	3.32	3.11	3.32
			$U_{16} - L_{17}$	2.40	4.02	2.40	4.02	2.40	4.02	2.19	3.63	2.19	3.63	2.30	3.85	6.36	6.77	6.49	5.89	5.89	6.27	5.25	5.16	5.25	4.21	4.13	4.21
			$U_{17} - L_{18}$	2.17	3.62	2.17	3.62	2.33	3.88	2.04	3.37	2.02	3.34	2.04	3.38	5.99	6.34	6.10	5.34	5.34	5.77	4.82	4.87	5.14	3.98	3.97	3.96
			$U_{18} - L_{19}$	2.65	4.42	2.49	4.19	2.65	4.42	2.78	4.61	2.76	4.61	2.25	3.74	6.74	7.23	7.35	6.38	6.38	7.18	5.22	5.23	5.92	4.42	4.61	5.07
			$U_{19} - L_{20}$	2.73	4.55	2.73	4.55	3.11	5.18	2.76	4.59	2.76	4.59	3.66	6.10	7.86	8.02	7.90	6.44	6.44	7.05	6.17	5.57	6.00	5.00	4.82	5.34
			$U_{20} - L_{21}$	2.76	4.61	2.76	4.61	3.01	5.01	3.45	5.78	3.45	5.76	3.46	5.75	7.10	8.26	8.40	6.29	6.77	7.44	5.55	6.18	5.79	5.43	5.47	5.66
			$U_{21} - L_{22}$	4.44	7.37	4.43	7.38	5.13	8.54	6.51	10.78	5.43	9.04	12.15	15.28	13.69	14.76	17.09	9.55	11.17	11.91	8.38	8.94	10.67	8.05	8.16	8.84
			$U_{22} - L_{22}$	3.34	5.59	4.18	6.97	4.50	7.50	4.53	7.57	4.53	7.55	5.64	9.40	12.00	12.47	10.62	7.12	12.15	10.83	7.90	10.20	8.60	7.43	7.81	6.33
			$U_{24} - L_{23}$	2.71	4.53	2.73	4.55	2.71	4.53	3.04	5.00	3.05	5.08	3.07	5.13	6.36	7.33	6.59	6.48	6.43	6.69	5.54	5.55	5.79	4.71	4.91	4.71
			$U_{25} - L_{24}$	2.78	4.60	2.82	4.70	2.87	4.81	2.89	4.83	2.91	4.84	2.82	4.72	6.74	7.62	6.78	6.71	7.01	6.70	5.85	5.97	5.88	4.83	4.80	4.90
			$U_{26} - L_{25}$	2.81	4.70	2.77	4.61	2.81	4.70	2.87	4.79	2.91	4.84	2.97	4.97	6.76	7.55	6.76	6.95	5.48	6.95	5.93	5.97	6.05	4.74	4.79	4.74
			$U_{27} - L_{26}$	2.41	4.04	2.38	3.98	2.45	4.08	2.07	3.42	2.07	3.43	2.07	3.45	5.82	6.52	5.98	5.87	6.27	5.92	5.08	5.37	5.09	4.08	4.06	4.08
			$U_{28} - L_{27}$	2.62	4.33	2.62	4.33	2.67	4.46	2.33	3.90	2.56	4.28	2.35	3.93	6.01	6.88	6.03	4.59	5.07	4.59	5.50	5.79	5.58	4.33	4.28	4.46
			$U_{29} - L_{28}$	2.90	4.85	2.94	4.89	2.90	4.85	2.93	4.89	2.94	4.89	2.93	4.89	6.65	8.08	6.65	5.09	5.78	5.09	6.21	6.28	6.42	4.80	4.89	4.80
		Span 9	$U_{29} - L_{29}$	4.39	7.36	4.22	7.12	4.39	7.36	4.50	7.47	4.47	7.43	4.43	7.33	10.67	11.70	10.08	8.08	8.60	7.61	9.53	8.85	9.53	7.05	6.85	7.05
			$U_{30} - L_{30}$	2.55	4.29	2.63	4.41	2.61	4.35	2.76	4.54	2.73	4.63	3.14	5.24	6.13	6.07	6.46	4.80	4.89	4.80	5.59	5.58	5.70	4.25	4.24	4.26
			$U_{31} - L_{31}$	1.83	3.06	1.81	3.04	1.93	3.23	1.99	3.37	1.99	3.32	2.23	3.67	4.71	5.14	4.92	3.46	3.59	3.76	4.10	4.05	4.30	3.12	3.13	3.39
			$U_{32} - L_{32}$	2.28	3.80	2.27	3.80	2.51	4.18	2.26	3.76	2.48	4.16	2.27	3.77	6.25	6.39	6.48	4.81	4.65	4.78	5.12	5.07	5.57	3.92	4.07	3.97
			$U_{33} - L_{33}$	2.46	4.12	2.33	3.87	2.69	4.49	2.46	4.08	2.42	4.03	2.12	3.54	6.31	6.54	6.95	6.09	5.86	6.52	4.95	4.97	5.44	3.92	3.95	4.53
			$U_{34} - L_{33}$	2.40	3.99	2.68	4.05	2.64	4.37	2.67	4.45	3.00	4.47	3.20	5.34	6.59	6.83	6.65	5.74	5.57	4.95	5.38	4.85	5.33	4.27	4.05	4.48
			$U_{35} - L_{34}$	2.24	3.73	2.24	3.72	2.37	3.94	2.66	4.47	2.66	4.47	3.13	5.26	6.35	6.54	6.50	6.05	5.39	5.89	5.02	4.93	4.66	4.15	4.15	4.25
			$U_{36} - L_{35}$	2.95	4.91	2.72	4.54	3.24	5.42	4.10	6.92	3.69	5.35	5.17	6.47	7.38	7.59	7.70	6.51	5.86	6.78	5.61	5.58	6.35	5.57	5.40	5.58
			$U_{38} - L_{37}$	2.25	3.75	3.11	5.21	2.72	4.52	4.69	7.83	5.75	9.50	4.57	7.60	8.14	10.57	7.03	4.71	6.85	6.04	4.76	6.75	5.34	4.72	11.59	4.67
			$U_{39} - L_{38}$	3.81	6.36	5.20	8.66	4.72	7.83	5.80	9.69	5.78	9.62	5.79	9.64	12.66	14.81	18.39	11.29	12.05	11.83	8.64	11.21	10.55	8.93	9.67	9.69
			$U_{40} - L_{39}$	3.23	5.35	3.23	5.35	3.23	5.35	3.66	6.06	3.66	6.06	3.66	6.06	7.68	7.68	7.68	7.57	7.57	7.80	6.66	6.98	6.98	5.67	5.67	5.67
			$U_{41} - L_{40}$	2.31	3.83	2.31	3.83	2.31	3.83	2.42	4.10	2.42	4.10	2.42	4.10	5.68	6.00	5.68	5.68	5.68	5.68	4.88	4.88	4.98	3.91	4.10	3.91
			$U_{42} - L_{41}$	2.41	4.01	2.43	4.07	2.41	4.01	2.53	4.17	2.51	4.23	2.53	4.17	5.54	5.56	5.66	5.81	5.74	5.81	5.03	5.02	5.03	4.01	4.15	4.01
			$U_{43} - L_{42}$	3.02	5.03	3.09	5.13	3.02	5.03	3.14	5.23	3.16	5.23	3.14	5.23	6.84	6.92	6.84	5.28	5.82	5.28	6.42	6.40	6.42	4.98	5.03	4.98
			$U_{44} - L_{43}$	3.44	5.76	3.91	5.12	3.48	5.83	3.38	5.64	3.41	5.62	3.41	5.66	7.77	7.77	7.78	5.99	6.38	5.95	5.42	5.70	5.43	5.70	5.75	5.77
	Unit 2	Span 10	$U_0 - L_1$	2.32	3.88	2.16	3.04	2.41	3.01	2.68	3.37	3.06	4.18	2.68	3.35	5.88	5.96	5.81	4.32	4.13	4.13	3.91	3.90	3.87	4.18	3.13	3.07
			$U_1 - L_2$	2.12	3.53	2.12	3.53	2.22	3.71	2.38	3.96	2.38	3.96	2.37	3.97	5.01	5.01	5.58	4.01	4.15	4.40	4.33	4.33	4.99	3.66	3.64	3.99
			$U_2 - L_3$	2.23	3.73	2.28	3.77	2.23	3.73	2.59	4.32	2.57	4.30	2.59	4.32	5.93	5.96	5.93	4.16	4.29	4.68	5.02	4.58	5.02	4.23	3.96	4.23
			$U_3 - L_4$	2.04	3.40	2.04	3.40	2.39	3.97	2.31	3.81	2.31	3.81	2.29	3.85	5.61	5.61	6.46	4.95	4.95	5.58	4.60	4.47	5.19	3.99	3.99	4.69
			$U_4 - L_5$	3.18	5.31	3.47	5.78	3.18	5.31	4.08	6.81	4.10	6.82	4.08	6.81	8.61	8.88	8.88	7.63	8.38	8.22	6.70	6.77	7.05	6.90	6.50	7.13
			$U_5 - L_6$	4.12	6.90	3.37	5.61	3.58	5.98	4.36	7.24	5.45	9.16	4.22	7.04	16.20	17.35	15.06	11.11	12.85	9.51	6.88	10.78	8.68	8.31	10.40	7.89
			$U_7 - L_6$	2.16	3.60	2.68	4.46	2.62	4.35	2.62	4.36	2.61	4.34	3.04	4.84	5.84	8.82	10.96	6.07	7.35	6.57	4.78	6.20	5.13	4.27	5.55	5.26
			$U_8 - L_7$	2.80	4.62	2.79	4.68	2.86	4.75	2.88	4.80	3.06	5.13	2.86	4.80	5.73	7.12	6.63	4.76	5.46	4.75	4.85	5.99	6.02	5.24	5.14	5.29
			$U_8 - L_8$	3.14	5.21	3.16	5.05	2.93	4.91	3.35	5.57	3.32	5.58	3.38	5.64	6.94	7.33	7.01	5.42	6.56	5.06	6.68	7.19	4.91	5.42	5.40	5.43
			$U_{10} - L_9$	3.77	6.26	3.81	5.98	3.27	5.43	3.85	6.38	3.96	6.24	3.75	6.29	7.90	9.20	8.62	6.13	6.82	6.86	5.57	6.10	5.76	6.13	6.33	6.29
			$U_{11} - L_{10}$	4.06	5.17	4.37	5.68	4.14	5.10	4.18	5.28	4.15	6.93	4.34	5.42	8.27	10.64	8.64	6.54	7.57	6.86	5.97	6.65	6.27	5.12	5.79	5.10
			$U_{12} - L_{11}$	4.58	5.76	4.63	6.06	4.61	5.71	4.50	5.59	4.46	5.81	4.36	5.44	9.19	11.08	9.39	7.42	8.28	7.53	6.74	7.71	6.90	5.70	5.87	5.66
			$U_{12} - L_{13}$	2.14	3.56	2.15	3.57	2.42	3.97	2.93	3.78	2.85	3.72	3.41	4.23	5.40	5.32	5.63	3.99	4.01	4.17	4.64	4.63	4.86	4.21	4.27	4.52
		Span 11	$U_{13} - L_{14}$	2.08	3.48	1.98	3.31	2.22	3.69	2.79	3.58	2.71	4.47	3.22	4.06	4.96	5.07	5.57	3.87	3.92	4.04	4.30	3.76	3.86	4.30	3.57	4.43
			$U_{14} - L_{15}$	2.98	4.91	3.17	4.71	2.98	4.97	3.54	5.91	3.78	6.03	3.54	5.91	7.13	7.52	7.62	5.29	5.99	5.18	4.77	5.95	4.68	4.82	5.89	5.33
			$U_{15} - L_{16}$	2.82	4.72	3.13	4.55	4.73	5.88	2.88	4.81	3.02	5.04	3.04	5.06	6.42	8.01	11.29	4.81	6.38	8.53	5.37	5.55	6.80	5.05	5.91	6.69
			$U_{17} - L_{16}$	3.35	5.62	5.06	8.45	4.41	7.35	3.84	4.97	4.86	8.09	4.89	8.09	6.51	14.03	14.06	5.68	10.04	8.32	5.78	8.77	8.93	5.89	9.24	7.85
			$U_{18} - L_{17}$	5.69	9.46	5.71	9.57	6.55	10.88	5.88	9.81	5.88	9.84	5.89	9.82	14.44	12.16	26.32	9.06	9.13	16.65	9.59	8.06	13.66	10.12	10.69	11.69
			$U_{19} - L_{18}$	3.87	6.45	3.87	6.45	4.03	6.75	5.08	8.45	5.08	8.45	5.09	8.47	7.93	7.93	8.55	8.67	7.44	6.75	7.62	8.35	8.99	7.44	7.44	7.31
			$U_{20} - L_{19}$	4.27	5.39	4.17	5.24	4.16	5.20	4.79	6.04	4.86	6.30	4.80	6.01	8.38	9.15	8.37	6.52	6.96	6.57	6.04	7.05	6.27	5.68	6.30	6.01

HAM-471-0025
Truss Member Rating Summary
As-Inspected North Truss

				HS-20 Truck						HS-20 Lane						2F1 Truck			3F1 Truck			4F1 Truck			5C1 Truck		
				Max. Axial		Moment Start		Moment End		Max. Axial		Moment Start		Moment End		Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End	Axial	M. Start	M. End
				Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Inventory	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating	Operating
			U_{19} - L_{19}	1.74	2.88	1.78	2.97	1.78	2.97	2.45	4.09	2.45	4.08	2.43	4.06	5.81	6.25	6.26	3.90	3.91	3.90	3.42	3.44	3.42	3.50	3.34	3.35
			U_{20} - L_{20}	1.03	1.72	0.91	1.51	0.98	1.63	1.36	2.28	2.01	3.37	1.35	2.28	3.44	3.28	3.34	2.59	2.31	2.30	2.07	1.91	2.03	1.65	1.91	1.95

APPENDIX D
GUSSET PLATE RATING SUMMARY TABLES

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Built North Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-U00	1.88	3.14	6.96	4.39	4.17	3.86	NG
S1-U01	2.21	3.68	8.05	5.09	4.56	4.75	OK
S1-U02	4.09	6.82	13.19	9.88	8.05	7.90	OK
S1-U03	3.25	5.42	8.85	6.40	6.07	6.97	OK
S1-U04	3.35	5.59	10.13	5.99	5.39	6.03	OK
S1-U05	2.15	3.60	7.65	5.36	4.70	5.37	NG
S1-U06	1.98	3.30	6.60	4.46	3.94	3.85	NG
S1-U07	2.10	3.51	7.08	4.80	4.25	4.12	NG
S1-U08	2.17	3.62	7.81	5.26	4.63	4.20	NG
S1-U09	3.00	5.00	11.40	7.35	6.57	5.46	NG
S1-U10	2.64	4.41	9.68	6.66	5.59	4.62	NG
S1-U11	2.33	3.89	8.85	5.67	5.01	4.40	NG
S1-U12	2.26	3.77	8.57	5.70	4.94	4.43	NG
S1-U13	2.08	3.47	7.25	4.92	4.16	3.97	NG
S1-U14	3.78	6.30	9.79	6.60	6.64	6.70	OK
S1-U15	3.65	6.10	11.25	7.68	6.82	6.70	NG
S1-U16	2.30	3.84	8.15	5.52	4.86	4.55	NG
S1-U17	1.98	3.30	7.03	4.77	4.24	3.90	NG
S1-U18	2.45	4.09	8.82	5.78	5.01	4.41	NG
S1-U19	2.51	4.18	8.55	5.73	5.03	4.40	NG
S1-U20	2.33	3.90	8.49	5.69	4.98	4.19	NG
S2-U00	2.97	4.97	10.51	7.30	6.07	5.40	NG
S2-U01	2.97	4.96	11.31	7.39	6.57	5.40	NG
S2-U02	2.81	4.70	10.13	6.94	5.83	4.99	NG
S2-U03	2.31	3.85	8.73	5.65	5.00	4.35	NG
S2-U04	2.58	4.30	9.81	6.61	5.60	4.93	NG
S2-U05	3.10	5.18	11.86	8.02	6.91	5.93	NG
S2-U06	2.93	4.90	10.25	6.75	5.86	5.77	NG
S2-U07	4.26	7.11	11.23	8.62	6.99	7.50	NG
S2-U08	2.94	4.90	9.98	6.63	5.79	5.38	NG
S2-U09	2.82	4.70	9.86	6.63	5.83	5.13	NG
S2-U10	2.80	4.68	10.36	6.83	5.88	4.87	NG
S2-U11	2.72	4.54	9.54	6.36	5.53	4.59	NG
S2-U12	2.70	4.51	9.81	6.53	5.67	4.59	NG
S2-U13	2.51	4.19	9.37	6.13	5.28	4.20	NG
S2-U14	3.07	5.12	10.99	7.30	6.33	5.03	NG
S2-U15	3.44	5.75	12.87	8.31	7.18	6.41	NG
S2-U16	2.93	4.88	11.22	7.38	6.45	5.35	NG
S2-U17	2.68	4.48	9.97	6.88	5.76	4.94	NG
S2-U18	2.75	4.59	10.78	6.92	6.15	5.29	NG
S2-U19	2.41	4.03	9.19	6.23	5.29	4.60	NG
S2-U20	2.77	4.63	9.74	6.63	5.60	5.11	NG
S2-U21	3.05	5.09	10.26	7.30	6.02	5.37	NG
S2-U22	4.26	7.11	11.23	8.69	6.98	7.51	NG
S2-U23	3.46	5.77	11.91	8.04	7.07	6.40	NG
S2-U24	3.03	5.06	10.30	6.94	6.13	5.59	NG
S2-U25	2.65	4.43	9.62	6.32	5.46	4.69	NG
S2-U26	2.89	4.82	10.26	6.86	6.00	5.12	NG
S2-U27	2.72	4.54	9.95	6.67	5.84	4.91	NG
S2-U28	2.94	4.90	10.95	7.18	6.19	5.03	NG
S2-U29	2.90	4.85	10.00	6.70	5.87	4.99	NG
S2-U30	3.35	5.59	11.99	8.02	7.01	5.82	NG
S2-U31	3.57	5.96	13.57	8.85	7.91	6.51	NG
S2-U32	3.18	5.32	12.24	8.40	7.06	5.75	NG
S2-U33	3.17	5.29	12.16	7.82	6.87	5.70	NG
S2-U34	2.95	4.93	11.39	7.58	6.51	5.32	NG
S2-U35	2.92	4.88	10.46	7.08	5.98	5.20	NG
S2-U36	2.73	4.55	10.35	6.77	5.85	5.28	NG
S2-U37	4.36	7.28	11.27	8.74	6.97	7.51	NG
S2-U38	2.31	3.86	8.75	5.97	5.05	4.78	NG
S2-U39	3.94	6.58	14.08	9.33	8.08	7.09	NG
S2-U40	3.16	5.27	10.81	7.25	6.35	5.53	NG
S2-U41	2.57	4.29	8.62	5.77	5.07	4.47	NG
S2-U42	2.88	4.80	10.23	6.87	6.03	5.10	NG
S2-U43	3.00	5.01	10.72	7.15	6.22	5.10	NG
S2-U44	2.82	4.70	10.23	6.78	5.87	4.69	NG
S3-U00	2.95	4.93	10.80	7.44	6.22	5.41	NG
S3-U01	3.07	5.13	11.01	7.43	6.36	5.52	NG
S3-U02	2.60	4.34	9.85	6.67	5.74	5.01	NG
S3-U03	2.21	3.69	7.71	5.24	4.42	4.11	NG
S3-U04	2.34	3.91	8.04	5.58	4.65	4.29	NG
S3-U05	2.89	4.82	10.82	6.75	6.32	6.07	NG
S3-U06	3.42	5.70	11.49	6.53	6.11	6.63	OK
S3-U07	2.58	4.31	8.62	5.86	5.22	5.28	NG
S3-U08	2.81	4.70	9.93	6.49	5.64	5.20	NG
S3-U09	2.57	4.28	8.65	5.82	5.11	4.60	NG
S3-U10	2.69	4.49	9.66	6.47	5.66	4.75	NG
S3-U11	2.64	4.41	9.65	6.34	5.48	4.52	NG
S3-U12	2.77	4.62	9.80	6.52	5.67	4.62	NG
S3-U13	2.93	4.90	9.89	6.89	5.81	5.37	NG
S3-U14	2.45	4.09	9.22	5.80	5.18	4.98	NG
S3-U15	2.39	3.99	7.80	5.54	4.61	5.37	NG
S3-U16	3.44	5.74	8.43	6.19	6.39	6.14	OK
S3-U17	2.75	4.59	9.31	5.67	5.30	7.00	OK
S3-U18	3.95	6.60	14.53	9.76	8.62	8.47	OK
S3-U19	2.18	3.63	7.38	5.01	4.44	4.31	OK
S3-U20	1.53	2.55	5.92	3.88	3.30	2.45	NG

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Built North Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-L00	1.88	3.14	6.96	4.39	4.17	3.86	OK
S1-L01	2.18	3.64	7.94	5.06	4.55	4.74	NG
S1-L02	1.13	1.89	4.01	2.66	2.31	2.35	NG
S1-L03	4.73	7.90	17.27	10.35	9.30	10.04	OK
S1-L04	1.55	2.60	5.59	3.77	3.22	3.37	NG
S1-L05	2.19	3.66	7.61	5.02	4.41	4.76	NG
S1-L06	1.87	3.12	6.19	4.19	3.71	3.67	NG
S1-L07	1.86	3.10	6.69	4.51	3.97	3.60	NG
S1-L08	1.53	2.55	7.50	4.90	4.21	3.30	NG
S1-L09	2.46	4.11	9.32	5.96	5.15	4.35	NG
S1-L10	2.37	3.96	9.02	5.81	5.20	4.32	NG
S1-L11	2.09	3.48	7.64	5.25	4.41	3.64	NG
S1-L12	1.35	2.26	4.95	3.29	2.83	2.72	NG
S1-L13	2.07	3.46	7.87	5.23	4.53	4.07	NG
S1-L14	1.63	2.72	5.95	3.97	3.46	3.12	OK
S1-L15	3.06	5.10	9.56	6.45	5.73	5.65	OK
S1-L16	1.87	3.12	6.95	4.60	3.92	3.57	NG
S1-L17	1.95	3.26	7.03	4.60	3.99	3.51	NG
S1-L18	1.59	2.65	5.58	3.73	3.32	3.24	NG
S1-L19	2.03	3.39	7.38	4.95	4.33	3.64	NG
S1-L20	1.87	3.13	6.90	4.60	4.00	3.23	NG
S2-L00	2.19	3.66	7.75	5.38	4.48	3.98	OK
S2-L01	2.74	4.58	10.49	6.66	5.80	4.88	NG
S2-L02	1.54	2.58	5.83	3.74	3.23	2.85	NG
S2-L03	2.59	4.32	9.31	6.38	5.36	4.59	NG
S2-L04	2.31	3.85	8.73	5.65	5.00	4.35	NG
S2-L05	2.58	4.30	9.81	6.61	5.60	4.93	NG
S2-L06	1.12	1.87	4.11	2.72	2.38	2.08	NG
S2-L07	2.93	4.90	9.98	6.63	5.79	5.38	OK
S2-L08	1.55	2.59	6.09	4.01	3.43	2.97	NG
S2-L09	2.78	4.63	10.25	6.76	5.82	4.82	NG
S2-L10	2.20	3.67	8.01	5.36	4.69	4.20	NG
S2-L11	2.52	4.20	9.15	6.09	5.29	4.28	NG
S2-L12	1.80	3.01	9.37	6.13	5.28	4.11	NG
S2-L13	3.12	5.21	11.15	7.41	6.43	5.11	NG
S2-L14	2.02	3.37	11.15	7.37	6.35	4.70	NG
S2-L15	3.68	6.14	12.87	9.08	7.56	6.54	NG
S2-L16	1.21	2.03	8.29	5.41	4.63	3.39	NG
S2-L17	2.93	4.88	11.22	7.38	6.45	5.35	NG
S2-L18	2.68	4.48	9.97	6.88	5.76	4.94	NG
S2-L19	2.61	4.35	9.92	6.37	5.66	4.87	NG
S2-L20	2.39	4.00	8.84	5.62	4.87	4.60	NG
S2-L21	2.77	4.63	9.74	6.63	5.60	5.11	NG
S2-L22	2.19	3.65	7.70	5.12	4.51	4.23	NG
S2-L23	3.03	5.06	10.30	6.94	6.13	5.59	NG
S2-L24	2.34	3.91	8.33	5.50	4.82	4.64	NG
S2-L25	2.77	4.63	9.48	6.34	5.54	4.73	NG
S2-L26	2.72	4.54	9.95	6.67	5.84	4.91	NG
S2-L27	2.94	4.90	10.95	7.18	6.19	5.03	NG
S2-L28	1.49	2.50	9.00	5.87	5.01	3.73	NG
S2-L29	3.15	5.25	11.49	7.69	6.70	5.54	NG
S2-L30	2.29	3.82	12.86	8.42	7.29	5.78	NG
S2-L31	4.18	6.98	15.98	10.10	8.76	7.38	NG
S2-L32	2.25	3.75	13.57	8.85	7.75	5.66	NG
S2-L33	2.99	5.00	11.51	7.90	6.64	5.41	NG
S2-L34	2.61	4.35	10.05	6.55	5.67	5.39	NG
S2-L35	2.93	4.88	11.28	7.51	6.45	5.27	NG
S2-L36	1.92	3.20	7.23	4.84	4.26	3.78	NG
S2-L37	2.31	3.86	8.75	5.97	5.05	4.78	OK
S2-L38	1.32	2.20	4.98	3.22	2.77	2.43	NG
S2-L39	3.16	5.27	11.28	7.54	6.51	5.72	NG
S2-L40	2.57	4.29	8.62	5.77	5.07	4.47	NG
S2-L41	2.67	4.45	9.49	6.37	5.59	4.73	NG
S2-L42	1.61	2.69	5.80	3.88	3.34	2.89	NG
S2-L43	2.67	4.46	9.38	6.25	5.44	4.46	NG
S2-L44	2.15	3.59	7.81	5.18	4.48	3.58	OK
S3-L00	2.22	3.70	8.52	5.96	4.95	4.09	NG
S3-L01	2.68	4.48	9.52	6.56	5.48	4.77	NG
S3-L02	1.63	2.72	5.91	3.96	3.38	3.25	NG
S3-L03	2.10	3.50	7.95	5.38	4.63	4.05	NG
S3-L04	2.03	3.39	7.46	5.01	4.28	4.03	NG
S3-L05	2.70	4.51	10.02	6.41	5.87	5.66	OK
S3-L06	1.71	2.85	6.37	4.21	3.58	3.32	OK
S3-L07	2.60	4.34	9.19	6.01	5.22	4.82	NG
S3-L08	1.17	1.96	4.34	2.89	2.54	2.25	NG
S3-L09	2.17	3.63	7.80	5.22	4.57	3.84	NG
S3-L10	2.11	3.53	7.73	5.08	4.39	3.62	NG
S3-L11	2.13	3.55	7.53	5.01	4.36	3.55	NG
S3-L12	1.80	3.00	8.92	5.87	5.04	3.72	NG
S3-L13	2.79	4.65	9.55	6.69	5.57	5.16	NG
S3-L14	2.50	4.17	9.75	6.15	5.50	4.71	NG
S3-L15	2.35	3.92	8.74	5.98	5.17	5.31	NG
S3-L16	1.77	2.95	6.31	4.26	3.68	3.73	NG
S3-L17	4.79	8.00	15.54	10.92	11.00	12.07	OK
S3-L18	1.27	2.13	4.56	3.08	2.64	2.56	NG
S3-L19	2.18	3.63	7.38	4.96	4.39	4.31	NG
S3-L20	1.53	2.55	5.92	3.88	3.30	2.45	OK

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Built Center Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-U00	1.09	1.82	4.22	2.77	2.36	2.14	NG
S1-U01	2.19	3.65	7.39	5.18	4.59	5.01	OK
S1-U02	3.79	6.33	12.23	8.85	7.47	8.19	OK
S1-U03	2.40	4.01	7.89	5.70	5.42	6.14	OK
S1-U04	2.60	4.35	8.39	5.35	4.82	5.31	OK
S1-U05	2.42	4.04	8.45	5.78	5.15	5.92	NG
S1-U06	2.15	3.58	7.53	5.21	4.71	4.92	NG
S1-U07	2.11	3.53	8.06	5.48	4.83	4.68	NG
S1-U08	2.26	3.78	8.44	5.76	5.11	5.09	NG
S1-U09	2.72	4.54	9.85	6.21	5.78	5.51	NG
S1-U10	2.85	4.75	10.00	6.78	5.87	5.48	NG
S1-U11	2.62	4.37	9.57	6.03	5.63	5.40	NG
S1-U12	2.50	4.17	8.76	5.90	5.22	5.05	NG
S1-U13	2.09	3.49	7.23	4.97	4.25	4.32	NG
S1-U14	2.99	4.98	8.19	5.84	5.77	5.96	OK
S1-U15	3.24	5.41	11.00	7.34	6.90	7.09	NG
S1-U16	2.55	4.26	9.08	6.31	5.61	5.52	NG
S1-U17	2.42	4.04	8.42	5.85	5.19	5.14	NG
S1-U18	2.96	4.94	9.59	6.56	5.88	5.75	NG
S1-U19	2.93	4.89	10.20	6.99	6.26	5.98	NG
S1-U20	2.78	4.64	9.34	6.43	5.74	5.23	NG
S2-U00	2.76	4.60	8.10	6.21	4.97	5.25	NG
S2-U01	3.09	5.15	10.56	7.57	6.33	5.74	NG
S2-U02	2.98	4.97	10.09	6.82	6.02	5.75	NG
S2-U03	2.50	4.17	9.12	6.00	5.42	5.25	NG
S2-U04	2.65	4.43	9.25	6.46	5.51	5.50	NG
S2-U05	3.16	5.28	10.85	7.54	6.60	6.36	NG
S2-U06	2.80	4.67	8.38	5.72	5.11	5.14	NG
S2-U07	3.42	5.70	9.35	6.29	5.64	6.48	NG
S2-U08	2.94	4.90	9.48	6.38	5.65	5.41	NG
S2-U09	3.16	5.28	10.72	7.35	6.41	5.84	NG
S2-U10	3.26	5.44	10.27	6.98	6.20	5.61	NG
S2-U11	3.13	5.23	10.57	7.18	6.38	5.77	NG
S2-U12	2.87	4.79	10.68	7.27	6.39	5.64	NG
S2-U13	2.80	4.68	9.47	6.44	5.72	5.10	NG
S2-U14	2.99	4.99	10.48	7.12	6.23	5.66	NG
S2-U15	2.73	4.56	9.60	6.43	5.62	5.33	NG
S2-U16	2.87	4.79	9.86	6.93	5.90	5.53	NG
S2-U17	2.95	4.92	9.95	6.76	5.96	5.70	NG
S2-U18	2.88	4.81	10.54	6.84	6.31	5.97	NG
S2-U19	2.65	4.43	9.14	6.40	5.48	5.34	NG
S2-U20	2.79	4.66	9.18	6.35	5.49	5.54	NG
S2-U21	2.95	4.92	9.47	6.70	5.79	5.62	NG
S2-U22	3.52	5.88	9.86	6.59	5.96	6.90	NG
S2-U23	3.41	5.69	12.04	8.22	7.26	6.91	NG
S2-U24	3.19	5.32	10.62	7.33	6.42	6.13	NG
S2-U25	3.17	5.30	9.57	6.54	5.87	5.55	NG
S2-U26	3.06	5.10	10.34	7.08	6.33	5.91	NG
S2-U27	2.86	4.78	10.27	7.04	6.21	5.69	NG
S2-U28	3.00	5.01	9.89	6.74	5.99	5.49	NG
S2-U29	2.69	4.49	9.10	6.21	5.54	5.11	NG
S2-U30	2.91	4.85	10.59	7.24	6.36	5.72	NG
S2-U31	2.95	4.92	10.19	7.20	6.08	5.65	NG
S2-U32	3.13	5.23	10.92	7.34	6.47	6.00	NG
S2-U33	3.14	5.24	11.58	7.51	6.87	6.34	NG
S2-U34	2.98	4.97	10.34	7.22	6.16	5.73	NG
S2-U35	3.08	5.14	10.38	7.06	6.14	5.95	NG
S2-U36	2.55	4.25	9.41	6.22	5.45	5.40	NG
S2-U37	3.45	5.76	9.38	6.22	5.61	6.43	NG
S2-U38	2.16	3.61	7.55	5.24	4.51	4.68	NG
S2-U39	3.68	6.14	11.66	8.16	7.02	7.91	NG
S2-U40	3.30	5.50	9.96	6.78	6.07	5.79	NG
S2-U41	2.82	4.71	9.19	6.26	5.59	5.29	NG
S2-U42	3.05	5.09	10.80	7.40	6.48	5.95	NG
S2-U43	3.24	5.40	10.86	7.34	6.50	5.93	NG
S2-U44	2.65	4.43	9.67	6.43	5.69	4.98	NG
S3-U00	2.49	4.15	9.06	6.99	5.57	5.06	NG
S3-U01	2.96	4.94	10.92	7.19	6.57	5.91	NG
S3-U02	2.79	4.66	9.31	6.75	5.64	5.84	NG
S3-U03	2.50	4.17	8.01	5.53	4.85	5.19	NG
S3-U04	2.44	4.08	7.67	5.37	4.70	4.92	NG
S3-U05	2.80	4.67	10.06	6.62	6.12	6.33	NG
S3-U06	3.03	5.05	8.00	5.72	5.53	6.00	OK
S3-U07	2.50	4.16	8.27	5.60	4.89	4.83	NG
S3-U08	3.00	5.02	9.15	6.24	5.58	5.35	NG
S3-U09	2.87	4.79	9.51	6.52	5.84	5.47	NG
S3-U10	2.98	4.97	10.69	7.18	6.30	5.70	NG
S3-U11	2.86	4.77	10.06	6.88	6.09	5.59	NG
S3-U12	2.52	4.20	8.07	5.53	4.88	5.19	NG
S3-U13	2.29	3.82	7.28	5.02	4.40	4.58	NG
S3-U14	2.08	3.48	7.46	4.85	4.52	4.70	NG
S3-U15	2.39	3.99	7.42	5.29	4.59	5.46	NG
S3-U16	2.60	4.34	7.19	5.29	5.08	5.33	OK
S3-U17	2.23	3.72	7.37	4.82	4.47	5.74	OK
S3-U18	3.88	6.47	10.46	8.03	7.42	8.86	OK
S3-U19	2.43	4.06	8.04	5.59	4.89	5.10	OK
S3-U20	1.17	1.96	4.38	2.86	2.45	2.29	NG

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Built Center Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-L00	1.09	1.82	4.22	2.77	2.36	2.14	OK
S1-L01	2.19	3.65	7.39	5.18	4.59	5.01	NG
S1-L02	1.56	2.60	4.92	3.46	2.98	3.34	NG
S1-L03	4.14	6.91	13.67	8.53	8.24	9.31	OK
S1-L04	2.18	3.64	7.31	4.84	4.17	4.71	NG
S1-L05	2.60	4.35	8.14	5.63	5.10	5.56	NG
S1-L06	2.13	3.55	7.33	5.09	4.63	4.96	NG
S1-L07	1.96	3.27	7.31	5.00	4.42	4.41	NG
S1-L08	1.58	2.64	6.02	4.02	3.49	3.00	NG
S1-L09	2.05	3.43	7.54	4.71	4.41	4.17	NG
S1-L10	2.22	3.71	7.86	5.45	4.73	4.40	NG
S1-L11	2.30	3.84	8.06	5.47	4.74	4.42	NG
S1-L12	1.51	2.52	5.23	3.42	2.96	2.99	NG
S1-L13	2.31	3.86	8.10	5.46	4.83	4.67	NG
S1-L14	1.95	3.25	6.91	4.64	4.02	3.89	OK
S1-L15	3.07	5.12	10.02	6.86	6.18	6.35	OK
S1-L16	2.11	3.53	7.80	5.20	4.43	4.22	NG
S1-L17	2.40	4.01	7.79	5.32	4.77	4.67	NG
S1-L18	1.35	2.25	4.70	3.12	2.76	2.64	NG
S1-L19	2.44	4.08	8.73	5.95	5.32	4.95	NG
S1-L20	2.26	3.78	6.99	4.81	4.29	3.91	NG
S2-L00	2.04	3.40	5.98	4.59	3.67	3.88	OK
S2-L01	2.70	4.50	9.64	6.64	5.64	4.98	NG
S2-L02	1.46	2.44	5.29	3.50	2.98	2.69	NG
S2-L03	2.76	4.60	9.31	6.29	5.55	5.34	NG
S2-L04	2.50	4.17	9.12	6.00	5.42	5.25	NG
S2-L05	2.65	4.43	9.25	6.46	5.51	5.50	NG
S2-L06	1.42	2.36	5.10	3.40	2.98	2.61	NG
S2-L07	2.80	4.67	8.38	5.72	5.11	5.14	OK
S2-L08	2.11	3.52	7.73	5.03	4.37	4.05	NG
S2-L09	3.23	5.38	10.17	6.91	6.14	5.55	NG
S2-L10	2.73	4.56	9.46	6.41	5.63	5.42	NG
S2-L11	2.67	4.46	9.96	6.78	5.96	5.26	NG
S2-L12	2.26	3.78	9.47	6.44	5.72	5.10	NG
S2-L13	3.00	5.00	10.50	7.16	6.36	5.68	NG
S2-L14	1.71	2.85	7.46	4.88	4.26	3.58	NG
S2-L15	2.83	4.73	9.60	6.49	5.62	5.48	NG
S2-L16	1.59	2.65	10.45	6.73	6.17	4.62	NG
S2-L17	2.87	4.79	9.86	6.93	5.90	5.53	NG
S2-L18	2.95	4.92	9.95	6.76	5.96	5.70	NG
S2-L19	2.65	4.43	9.70	6.29	5.81	5.50	NG
S2-L20	2.64	4.41	9.03	5.96	5.30	4.91	NG
S2-L21	2.79	4.66	9.18	6.35	5.49	5.54	NG
S2-L22	2.40	4.00	8.53	5.58	4.89	4.74	NG
S2-L23	3.19	5.32	10.62	7.33	6.42	6.13	NG
S2-L24	2.49	4.16	8.75	5.73	5.04	5.01	NG
S2-L25	2.85	4.76	9.53	6.52	5.83	5.45	NG
S2-L26	2.86	4.78	10.27	7.04	6.21	5.69	NG
S2-L27	3.00	5.01	9.89	6.74	5.99	5.49	NG
S2-L28	1.83	3.05	9.54	6.51	5.81	5.34	NG
S2-L29	2.70	4.51	10.18	6.90	6.07	5.39	NG
S2-L30	1.78	2.97	7.89	5.25	4.58	3.84	NG
S2-L31	3.06	5.10	11.31	7.20	6.70	6.08	NG
S2-L32	2.22	3.70	10.19	7.24	6.08	5.15	NG
S2-L33	2.93	4.90	10.23	6.87	6.05	5.62	NG
S2-L34	2.96	4.94	10.46	6.94	6.12	5.83	NG
S2-L35	2.95	4.92	10.23	7.15	6.09	5.67	NG
S2-L36	2.34	3.90	8.19	5.47	4.81	4.44	NG
S2-L37	2.16	3.61	7.55	5.24	4.51	4.68	OK
S2-L38	1.51	2.52	5.45	3.57	3.09	2.93	NG
S2-L39	3.30	5.50	9.96	6.78	6.07	5.79	NG
S2-L40	2.82	4.71	9.19	6.26	5.59	5.29	NG
S2-L41	2.81	4.70	9.96	6.83	5.99	5.49	NG
S2-L42	1.50	2.51	5.25	3.50	3.03	2.75	NG
S2-L43	2.80	4.67	9.39	6.35	5.62	5.13	NG
S2-L44	1.94	3.24	7.08	4.71	4.16	3.64	OK
S3-L00	1.87	3.12	6.80	5.25	4.19	3.80	NG
S3-L01	2.57	4.29	9.67	6.31	5.69	5.14	NG
S3-L02	1.38	2.31	4.76	3.23	2.87	2.76	NG
S3-L03	2.28	3.81	7.61	5.52	4.61	4.77	NG
S3-L04	2.32	3.87	7.67	5.37	4.70	4.42	NG
S3-L05	2.68	4.48	9.62	6.37	5.85	6.16	OK
S3-L06	2.14	3.58	7.64	4.97	4.29	4.06	OK
S3-L07	2.79	4.65	8.48	5.79	5.17	4.96	NG
S3-L08	1.48	2.48	5.27	3.55	3.12	3.00	NG
S3-L09	2.41	4.02	8.65	5.81	5.10	4.61	NG
S3-L10	2.41	4.02	8.01	5.48	4.86	4.46	NG
S3-L11	2.08	3.47	7.21	4.93	4.39	4.01	NG
S3-L12	1.69	2.81	6.20	4.08	3.55	2.96	NG
S3-L13	2.19	3.66	7.02	4.81	4.24	4.51	NG
S3-L14	2.18	3.65	7.73	5.03	4.72	4.91	NG
S3-L15	2.36	3.94	7.71	5.57	4.76	5.46	NG
S3-L16	2.14	3.56	7.19	4.82	4.26	4.53	NG
S3-L17	3.88	6.47	10.46	8.03	7.42	8.86	OK
S3-L18	1.47	2.45	5.13	3.39	2.97	3.16	NG
S3-L19	2.43	4.06	7.95	5.53	4.89	5.10	NG
S3-L20	1.17	1.96	4.38	2.86	2.45	2.29	OK

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Built South Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-U00	2.58	4.31	6.65	6.54	5.61	4.36	NG
S1-U01	3.33	5.56	7.92	6.51	6.57	6.11	OK
S1-U02	5.84	9.74	14.36	11.83	12.45	12.07	OK
S1-U03	5.30	8.85	12.39	12.33	11.09	12.71	OK
S1-U04	5.97	9.97	18.10	13.57	12.27	12.70	OK
S1-U05	3.73	6.23	8.81	7.30	6.66	6.45	NG
S1-U06	3.07	5.13	8.61	6.74	6.14	5.57	NG
S1-U07	3.95	6.59	10.59	8.20	7.42	6.72	NG
S1-U08	3.38	5.64	8.38	6.39	5.71	6.01	NG
S1-U09	3.36	5.61	8.55	6.43	5.82	6.34	NG
S1-U10	3.66	6.11	8.76	6.62	5.94	5.36	NG
S1-U11	3.41	5.69	8.33	6.37	6.70	6.42	NG
S1-U12	4.17	6.95	9.87	7.63	7.09	7.69	NG
S1-U13	3.84	6.41	10.17	7.42	8.12	8.14	NG
S1-U14	6.14	10.25	21.19	13.04	11.49	12.38	OK
S1-U15	5.71	9.54	14.98	14.10	12.20	10.98	NG
S1-U16	4.09	6.83	9.63	7.21	8.38	7.24	NG
S1-U17	3.19	5.32	8.11	6.99	6.61	5.61	NG
S1-U18	4.17	6.97	9.79	7.37	8.09	7.27	NG
S1-U19	3.98	6.64	10.94	8.30	7.48	6.68	NG
S1-U20	3.72	6.20	10.51	8.15	7.37	6.24	NG
S2-U00	3.48	5.80	8.68	6.50	6.23	5.73	NG
S2-U01	3.60	6.00	9.29	7.29	7.89	6.32	NG
S2-U02	3.78	6.30	9.78	7.21	8.25	6.69	NG
S2-U03	3.36	5.60	8.83	8.29	7.04	5.99	NG
S2-U04	4.76	7.95	12.27	11.76	9.91	8.26	NG
S2-U05	6.38	10.65	18.15	15.75	14.11	12.14	NG
S2-U06	3.88	6.47	13.56	9.09	7.98	7.28	NG
S2-U07	8.35	13.94	23.67	16.04	15.81	16.38	NG
S2-U08	3.84	6.41	9.95	9.36	8.18	6.90	NG
S2-U09	3.73	6.22	9.58	8.95	7.74	6.26	NG
S2-U10	3.86	6.44	9.56	8.10	8.12	6.51	NG
S2-U11	3.89	6.50	10.10	8.78	8.42	6.47	NG
S2-U12	4.12	6.87	10.32	7.66	8.74	6.71	NG
S2-U13	4.51	7.54	11.56	8.68	10.28	7.79	NG
S2-U14	4.47	7.47	11.64	8.78	9.80	7.67	NG
S2-U15	3.64	6.08	9.42	7.97	7.71	6.21	NG
S2-U16	3.77	6.29	10.13	7.85	8.46	6.77	NG
S2-U17	3.47	5.79	9.54	9.06	7.72	6.34	NG
S2-U18	3.82	6.37	10.85	8.24	8.96	7.42	NG
S2-U19	3.80	6.35	10.25	9.38	8.29	7.08	NG
S2-U20	4.89	8.17	12.71	9.66	10.68	9.07	NG
S2-U21	5.41	9.02	14.62	13.99	11.87	10.36	NG
S2-U22	6.97	11.64	21.46	14.62	14.41	14.88	NG
S2-U23	5.01	8.36	12.41	11.88	10.29	8.64	NG
S2-U24	4.33	7.23	10.90	8.68	8.90	7.51	NG
S2-U25	3.63	6.05	9.17	8.15	7.59	6.27	NG
S2-U26	4.06	6.78	10.40	7.85	8.97	7.12	NG
S2-U27	3.62	6.05	9.79	8.82	8.09	6.49	NG
S2-U28	4.10	6.84	10.57	7.89	8.73	7.24	NG
S2-U29	5.19	8.66	12.68	9.52	10.18	8.66	NG
S2-U30	4.60	7.68	11.29	8.47	9.94	7.57	NG
S2-U31	3.53	5.89	9.01	6.64	7.77	6.09	NG
S2-U32	3.77	6.30	9.72	7.25	8.30	6.41	NG
S2-U33	3.81	6.36	9.78	7.96	8.08	6.47	NG
S2-U34	3.91	6.53	9.96	7.51	8.57	6.73	NG
S2-U35	3.85	6.43	10.29	8.50	8.36	7.36	NG
S2-U36	4.46	7.44	11.53	9.14	9.46	8.85	NG
S2-U37	7.89	13.18	22.34	15.27	15.14	15.55	NG
S2-U38	4.36	7.28	16.01	10.29	9.23	9.57	NG
S2-U39	6.14	10.25	16.19	14.54	12.65	10.75	NG
S2-U40	4.63	7.73	12.19	10.86	9.49	8.10	NG
S2-U41	3.35	5.60	8.96	8.28	7.15	5.74	NG
S2-U42	4.09	6.82	10.41	8.82	8.62	6.84	NG
S2-U43	4.81	8.02	11.84	8.83	8.48	7.99	NG
S2-U44	4.31	7.20	11.85	9.10	8.20	8.89	NG
S3-U00	3.43	5.72	8.74	6.68	5.92	5.78	NG
S3-U01	3.54	5.91	8.96	6.86	6.09	6.63	NG
S3-U02	3.79	6.33	9.47	6.99	6.42	7.20	NG
S3-U03	3.13	5.23	8.08	6.29	6.83	6.34	NG
S3-U04	3.60	6.01	9.16	6.94	7.94	7.20	NG
S3-U05	6.17	10.29	15.05	14.48	12.02	12.10	NG
S3-U06	6.23	10.40	19.83	15.11	12.06	12.56	OK
S3-U07	3.41	5.70	8.87	7.19	6.88	6.12	NG
S3-U08	3.89	6.49	9.25	6.94	7.20	6.93	NG
S3-U09	3.62	6.04	8.55	6.49	7.49	6.21	NG
S3-U10	3.73	6.23	9.19	7.02	6.32	6.20	NG
S3-U11	3.66	6.11	10.39	8.07	7.29	6.06	NG
S3-U12	3.44	5.74	8.56	6.52	7.64	6.75	NG
S3-U13	3.16	5.28	7.65	5.84	5.18	5.29	NG
S3-U14	2.81	4.69	6.53	5.14	4.50	4.56	NG
S3-U15	4.05	6.75	8.89	6.55	6.01	6.30	NG
S3-U16	5.51	9.20	19.63	11.58	10.64	10.89	OK
S3-U17	6.30	10.52	11.62	10.28	11.52	10.88	OK
S3-U18	6.61	11.04	15.66	15.23	13.47	12.59	OK
S3-U19	3.40	5.67	9.23	7.12	6.48	6.05	OK
S3-U20	3.33	5.56	8.92	6.90	6.28	5.76	NG

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Built South Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-L00	2.58	4.31	6.65	6.54	5.61	4.36	OK
S1-L01	3.33	5.56	7.92	6.51	6.57	6.11	NG
S1-L02	1.80	3.01	4.65	4.19	3.62	3.81	NG
S1-L03	8.67	14.47	25.25	18.99	16.97	17.45	OK
S1-L04	2.68	4.47	6.69	6.35	5.56	5.70	NG
S1-L05	4.02	6.71	8.79	6.74	6.16	5.99	NG
S1-L06	2.94	4.90	8.28	6.25	5.60	4.93	NG
S1-L07	3.62	6.05	10.12	7.83	7.09	6.23	NG
S1-L08	1.60	2.66	5.20	4.23	3.87	3.17	NG
S1-L09	2.87	4.80	6.59	5.03	4.49	4.73	NG
S1-L10	2.76	4.61	6.56	4.93	4.47	4.82	NG
S1-L11	2.84	4.74	6.81	5.14	4.61	5.23	NG
S1-L12	1.47	2.46	3.94	3.55	3.10	2.80	NG
S1-L13	3.87	6.46	9.51	7.00	8.30	7.63	NG
S1-L14	2.00	3.34	5.39	4.99	4.28	3.58	OK
S1-L15	5.12	8.54	13.18	12.34	10.72	9.66	OK
S1-L16	2.47	4.12	6.69	6.11	5.24	4.30	NG
S1-L17	3.27	5.45	7.67	5.77	6.81	5.69	NG
S1-L18	1.75	2.93	7.67	5.00	4.27	3.19	NG
S1-L19	3.20	5.35	9.06	7.02	6.35	5.38	NG
S1-L20	3.13	5.22	8.61	6.72	6.07	5.07	NG
S2-L00	2.35	3.93	5.88	4.40	4.22	3.88	OK
S2-L01	3.29	5.49	8.16	6.14	7.03	5.44	NG
S2-L02	1.59	2.66	5.11	3.93	3.35	2.86	NG
S2-L03	3.44	5.74	9.06	8.84	7.51	6.16	NG
S2-L04	3.36	5.60	8.83	8.29	7.04	5.99	NG
S2-L05	5.07	8.47	14.33	12.62	10.94	9.60	NG
S2-L06	1.05	1.75	3.05	2.91	2.50	2.01	NG
S2-L07	3.84	6.41	9.95	9.09	7.98	6.90	OK
S2-L08	1.92	3.20	5.90	5.66	4.89	3.89	NG
S2-L09	3.81	6.36	9.44	9.26	8.02	6.43	NG
S2-L10	2.92	4.87	9.39	8.10	7.83	6.01	NG
S2-L11	3.79	6.33	9.51	7.06	8.14	6.18	NG
S2-L12	1.73	2.89	5.00	3.80	3.40	3.47	NG
S2-L13	6.13	10.23	15.08	11.54	10.36	10.75	NG
S2-L14	2.60	4.34	8.15	6.50	5.90	4.99	NG
S2-L15	4.11	6.86	10.63	7.97	9.06	7.06	NG
S2-L16	1.62	2.71	4.85	3.88	3.53	2.89	NG
S2-L17	3.77	6.29	10.13	9.77	8.46	6.77	NG
S2-L18	3.47	5.79	9.54	8.24	7.72	6.34	NG
S2-L19	3.87	6.45	9.87	9.57	8.15	6.74	NG
S2-L20	2.55	4.25	9.68	6.41	5.59	4.60	NG
S2-L21	4.97	8.29	13.45	12.47	10.68	9.59	NG
S2-L22	2.37	3.96	9.56	6.25	5.37	4.45	NG
S2-L23	4.33	7.23	10.90	10.28	8.90	7.51	NG
S2-L24	3.03	5.05	9.17	7.54	6.41	5.46	NG
S2-L25	3.81	6.36	9.44	7.13	8.14	6.47	NG
S2-L26	3.62	6.05	9.79	8.57	8.09	6.49	NG
S2-L27	4.10	6.84	10.57	7.89	9.14	7.24	NG
S2-L28	1.61	2.69	4.64	3.71	3.38	2.76	NG
S2-L29	6.43	10.73	15.07	11.37	10.18	10.50	NG
S2-L30	2.58	4.31	7.61	6.03	5.55	4.60	NG
S2-L31	4.49	7.50	10.84	8.21	9.62	7.32	NG
S2-L32	1.54	2.57	4.64	3.60	3.23	2.58	NG
S2-L33	3.47	5.80	8.95	6.67	7.64	5.90	NG
S2-L34	3.26	5.44	9.09	7.51	7.51	6.02	NG
S2-L35	3.87	6.45	9.98	8.22	8.47	6.93	NG
S2-L36	2.10	3.51	6.51	5.93	5.08	4.23	NG
S2-L37	4.36	7.28	11.53	9.77	9.23	8.92	OK
S2-L38	1.30	2.16	3.73	3.48	3.02	2.45	NG
S2-L39	4.63	7.73	12.19	10.86	9.49	8.10	NG
S2-L40	3.35	5.60	8.96	8.28	7.15	5.74	NG
S2-L41	3.71	6.20	9.46	9.10	7.83	6.21	NG
S2-L42	2.29	3.82	8.95	5.87	5.05	3.95	NG
S2-L43	4.08	6.81	10.45	7.98	7.16	7.48	NG
S2-L44	2.98	4.97	8.19	6.29	5.67	6.14	OK
S3-L00	2.72	4.53	6.35	4.82	4.33	4.50	NG
S3-L01	2.95	4.92	7.52	5.75	5.10	4.97	NG
S3-L02	1.98	3.31	7.00	4.66	4.10	3.68	NG
S3-L03	3.05	5.08	7.45	5.51	6.62	5.82	NG
S3-L04	2.49	4.15	6.78	6.14	5.31	4.61	NG
S3-L05	5.64	9.42	14.27	13.28	11.26	11.60	OK
S3-L06	2.22	3.70	5.76	5.38	4.74	4.02	OK
S3-L07	3.55	5.93	8.45	6.34	7.40	6.33	NG
S3-L08	2.01	3.36	5.22	5.03	4.30	3.50	NG
S3-L09	3.21	5.36	7.10	5.43	4.88	5.35	NG
S3-L10	2.83	4.72	8.03	6.23	5.63	4.68	NG
S3-L11	2.94	4.90	8.46	6.67	6.06	4.97	NG
S3-L12	1.59	2.65	5.19	4.23	3.90	3.33	NG
S3-L13	2.98	4.98	7.26	5.53	5.18	5.29	NG
S3-L14	2.94	4.91	6.77	5.28	5.40	5.47	NG
S3-L15	3.91	6.52	8.64	6.39	5.88	6.17	NG
S3-L16	2.53	4.22	6.12	4.64	5.19	4.84	NG
S3-L17	9.41	15.71	27.77	20.89	18.67	18.61	OK
S3-L18	1.90	3.17	4.38	3.33	3.98	3.56	NG
S3-L19	3.37	5.62	9.16	7.06	6.42	6.00	NG
S3-L20	3.33	5.56	8.92	6.90	6.28	5.76	OK

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Inspected North Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-U00	1.88	3.14	6.96	4.39	4.17	3.86	NG
S1-U01	2.21	3.68	8.05	5.09	4.56	4.75	OK
S1-U02	4.09	6.82	13.19	9.88	8.05	7.90	OK
S1-U03	3.25	5.42	8.85	6.40	6.07	6.97	OK
S1-U04	3.35	5.59	10.13	5.99	5.39	6.03	OK
S1-U05	2.15	3.60	7.65	5.36	4.70	5.37	NG
S1-U06	1.98	3.30	6.60	4.46	3.94	3.85	NG
S1-U07	2.10	3.51	7.08	4.80	4.25	4.12	NG
S1-U08	2.17	3.62	7.81	5.26	4.63	4.20	NG
S1-U09	3.00	5.00	11.40	7.35	6.57	5.46	NG
S1-U10	2.64	4.41	9.68	6.66	5.59	4.62	NG
S1-U11	2.33	3.89	8.85	5.67	5.01	4.40	NG
S1-U12	2.26	3.77	8.57	5.70	4.94	4.43	NG
S1-U13	2.08	3.47	7.25	4.92	4.16	3.97	NG
S1-U14	3.78	6.30	9.79	6.60	6.64	6.70	OK
S1-U15	3.65	6.10	11.25	7.68	6.82	6.70	NG
S1-U16	2.30	3.84	8.15	5.52	4.86	4.55	NG
S1-U17	1.98	3.30	7.03	4.77	4.24	3.90	NG
S1-U18	2.45	4.09	8.82	5.78	5.01	4.41	NG
S1-U19	2.51	4.18	8.55	5.73	5.03	4.40	NG
S1-U20	2.33	3.90	8.49	5.69	4.98	4.19	NG
S2-U00	2.97	4.97	10.51	7.30	6.07	5.40	NG
S2-U01	2.97	4.96	11.31	7.39	6.57	5.40	NG
S2-U02	2.81	4.70	10.13	6.94	5.83	4.99	NG
S2-U03	2.31	3.85	8.73	5.65	5.00	4.35	NG
S2-U04	2.58	4.30	9.81	6.61	5.60	4.93	NG
S2-U05	3.10	5.18	11.86	8.02	6.91	5.93	NG
S2-U06	2.93	4.90	10.25	6.75	5.86	5.77	NG
S2-U07	4.26	7.11	11.23	8.62	6.99	7.50	NG
S2-U08	2.94	4.90	9.98	6.63	5.79	5.38	NG
S2-U09	2.82	4.70	9.86	6.63	5.83	5.13	NG
S2-U10	2.80	4.68	10.36	6.83	5.88	4.87	NG
S2-U11	2.72	4.54	9.54	6.36	5.53	4.59	NG
S2-U12	2.70	4.51	9.81	6.53	5.67	4.59	NG
S2-U13	2.51	4.19	9.37	6.13	5.28	4.20	NG
S2-U14	3.07	5.12	10.99	7.30	6.33	5.03	NG
S2-U15	3.44	5.75	12.87	8.31	7.18	6.41	NG
S2-U16	2.93	4.88	11.22	7.38	6.45	5.35	NG
S2-U17	2.68	4.48	9.97	6.88	5.76	4.94	NG
S2-U18	2.75	4.59	10.78	6.92	6.15	5.29	NG
S2-U19	2.41	4.03	9.19	6.23	5.29	4.60	NG
S2-U20	2.77	4.63	9.74	6.63	5.60	5.11	NG
S2-U21	3.05	5.09	10.26	7.30	6.02	5.37	NG
S2-U22	4.26	7.11	11.23	8.69	6.98	7.51	NG
S2-U23	3.46	5.77	11.91	8.04	7.07	6.40	NG
S2-U24	3.03	5.06	10.30	6.94	6.13	5.59	NG
S2-U25	2.65	4.43	9.62	6.32	5.46	4.69	NG
S2-U26	2.89	4.82	10.26	6.86	6.00	5.12	NG
S2-U27	2.72	4.54	9.95	6.67	5.84	4.91	NG
S2-U28	2.94	4.90	10.95	7.18	6.19	5.03	NG
S2-U29	2.90	4.85	10.00	6.70	5.87	4.99	NG
S2-U30	3.35	5.59	11.99	8.02	7.01	5.82	NG
S2-U31	3.57	5.96	13.57	8.85	7.91	6.51	NG
S2-U32	3.18	5.32	12.24	8.40	7.06	5.75	NG
S2-U33	3.17	5.29	12.16	7.82	6.87	5.70	NG
S2-U34	2.95	4.93	11.39	7.58	6.51	5.32	NG
S2-U35	2.92	4.88	10.46	7.08	5.98	5.20	NG
S2-U36	2.73	4.55	10.35	6.77	5.85	5.28	NG
S2-U37	4.36	7.28	11.27	8.74	6.97	7.51	NG
S2-U38	2.31	3.86	8.75	5.97	5.05	4.78	NG
S2-U39	3.94	6.58	14.08	9.33	8.08	7.09	NG
S2-U40	3.16	5.27	10.81	7.25	6.35	5.53	NG
S2-U41	2.57	4.29	8.62	5.77	5.07	4.47	NG
S2-U42	2.88	4.80	10.23	6.87	6.03	5.10	NG
S2-U43	3.00	5.01	10.72	7.15	6.22	5.10	NG
S2-U44	2.82	4.70	10.23	6.78	5.87	4.69	NG
S3-U00	2.95	4.93	10.80	7.44	6.22	5.41	NG
S3-U01	3.07	5.13	11.01	7.43	6.36	5.52	NG
S3-U02	2.60	4.34	9.85	6.67	5.74	5.01	NG
S3-U03	2.21	3.69	7.71	5.24	4.42	4.11	NG
S3-U04	2.34	3.91	8.04	5.58	4.65	4.29	NG
S3-U05	2.89	4.82	10.82	6.75	6.32	6.07	NG
S3-U06	3.42	5.70	11.49	6.53	6.11	6.63	OK
S3-U07	2.58	4.31	8.62	5.86	5.22	5.28	NG
S3-U08	2.81	4.70	9.93	6.49	5.64	5.20	NG
S3-U09	2.57	4.28	8.65	5.82	5.11	4.60	NG
S3-U10	2.69	4.49	9.66	6.47	5.66	4.75	NG
S3-U11	2.64	4.41	9.65	6.34	5.48	4.52	NG
S3-U12	2.77	4.62	9.80	6.52	5.67	4.62	NG
S3-U13	2.93	4.90	9.89	6.89	5.81	5.37	NG
S3-U14	2.45	4.09	9.22	5.80	5.18	4.98	NG
S3-U15	2.39	3.99	7.80	5.54	4.61	5.37	NG
S3-U16	3.44	5.74	8.43	6.19	6.39	6.14	OK
S3-U17	2.75	4.59	9.31	5.67	5.30	7.00	OK
S3-U18	3.95	6.60	14.53	9.76	8.62	8.47	OK
S3-U19	2.18	3.63	7.38	5.01	4.44	4.31	OK
S3-U20	1.53	2.55	5.92	3.88	3.30	2.45	NG

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Inspected North Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-L00	1.88	3.14	6.96	4.39	4.17	3.86	OK
S1-L01	2.18	3.64	7.94	5.06	4.55	4.74	NG
S1-L02	1.13	1.89	4.01	2.66	2.31	2.35	NG
S1-L03	4.73	7.90	17.27	10.35	9.30	10.04	OK
S1-L04	1.55	2.60	5.59	3.77	3.22	3.37	NG
S1-L05	2.19	3.66	7.61	5.02	4.41	4.76	NG
S1-L06	1.87	3.12	6.19	4.19	3.71	3.67	NG
S1-L07	1.86	3.10	6.69	4.51	3.97	3.60	NG
S1-L08	1.53	2.55	7.50	4.90	4.21	3.30	NG
S1-L09	2.46	4.11	9.32	5.96	5.15	4.35	NG
S1-L10	2.37	3.96	9.02	5.81	5.20	4.32	NG
S1-L11	2.09	3.48	7.64	5.25	4.41	3.64	NG
S1-L12	1.35	2.26	4.95	3.29	2.83	2.72	NG
S1-L13	2.07	3.46	7.87	5.23	4.53	4.07	NG
S1-L14	1.63	2.72	5.95	3.97	3.46	3.12	OK
S1-L15	3.06	5.10	9.56	6.45	5.73	5.65	OK
S1-L16	1.87	3.12	6.95	4.60	3.92	3.57	NG
S1-L17	1.95	3.26	7.03	4.60	3.99	3.51	NG
S1-L18	1.59	2.65	5.58	3.73	3.32	3.24	NG
S1-L19	2.03	3.39	7.38	4.95	4.33	3.64	NG
S1-L20	1.87	3.13	6.90	4.60	4.00	3.23	NG
S2-L00	2.19	3.66	7.75	5.38	4.48	3.98	OK
S2-L01	2.74	4.58	10.49	6.66	5.80	4.88	NG
S2-L02	1.54	2.58	5.83	3.74	3.23	2.85	NG
S2-L03	2.59	4.32	9.31	6.38	5.36	4.59	NG
S2-L04	2.31	3.85	8.73	5.65	5.00	4.35	NG
S2-L05	2.58	4.30	9.81	6.61	5.60	4.93	NG
S2-L06	1.12	1.87	4.11	2.72	2.38	2.08	NG
S2-L07	2.93	4.90	9.98	6.63	5.79	5.38	OK
S2-L08	1.55	2.59	6.09	4.01	3.43	2.97	NG
S2-L09	2.78	4.63	10.25	6.76	5.82	4.82	NG
S2-L10	2.20	3.67	8.01	5.36	4.69	4.20	NG
S2-L11	2.52	4.20	9.15	6.09	5.29	4.28	NG
S2-L12	1.80	3.01	9.37	6.13	5.28	4.11	NG
S2-L13	3.12	5.21	11.15	7.41	6.43	5.11	NG
S2-L14	2.02	3.37	11.15	7.37	6.35	4.70	NG
S2-L15	3.68	6.14	12.87	9.08	7.56	6.54	NG
S2-L16	1.21	2.03	8.29	5.41	4.63	3.39	NG
S2-L17	2.93	4.88	11.22	7.38	6.45	5.35	NG
S2-L18	2.68	4.48	9.97	6.88	5.76	4.94	NG
S2-L19	2.61	4.35	9.92	6.37	5.66	4.87	NG
S2-L20	2.39	4.00	8.84	5.62	4.87	4.60	NG
S2-L21	2.77	4.63	9.74	6.63	5.60	5.11	NG
S2-L22	2.19	3.65	7.70	5.12	4.51	4.23	NG
S2-L23	3.03	5.06	10.30	6.94	6.13	5.59	NG
S2-L24	2.34	3.91	8.33	5.50	4.82	4.64	NG
S2-L25	2.77	4.63	9.48	6.34	5.54	4.73	NG
S2-L26	2.72	4.54	9.95	6.67	5.84	4.91	NG
S2-L27	2.94	4.90	10.95	7.18	6.19	5.03	NG
S2-L28	1.49	2.50	9.00	5.87	5.01	3.73	NG
S2-L29	3.15	5.25	11.49	7.69	6.70	5.54	NG
S2-L30	2.29	3.82	12.86	8.42	7.29	5.78	NG
S2-L31	4.18	6.98	15.98	10.10	8.76	7.38	NG
S2-L32	2.25	3.75	13.57	8.85	7.75	5.66	NG
S2-L33	2.99	5.00	11.51	7.90	6.64	5.41	NG
S2-L34	2.61	4.35	10.05	6.55	5.67	5.39	NG
S2-L35	2.93	4.88	11.28	7.51	6.45	5.27	NG
S2-L36	1.92	3.20	7.23	4.84	4.26	3.78	NG
S2-L37	2.31	3.86	8.75	5.97	5.05	4.78	OK
S2-L38	1.32	2.20	4.98	3.22	2.77	2.43	NG
S2-L39	3.16	5.27	11.28	7.54	6.51	5.72	NG
S2-L40	2.57	4.29	8.62	5.77	5.07	4.47	NG
S2-L41	2.67	4.45	9.49	6.37	5.59	4.73	NG
S2-L42	1.61	2.69	5.80	3.88	3.34	2.89	NG
S2-L43	2.67	4.46	9.38	6.25	5.44	4.46	NG
S2-L44	2.15	3.59	7.81	5.18	4.48	3.58	OK
S3-L00	2.22	3.70	8.52	5.96	4.95	4.09	NG
S3-L01	2.68	4.48	9.52	6.56	5.48	4.77	NG
S3-L02	1.63	2.72	5.91	3.96	3.38	3.25	NG
S3-L03	2.10	3.50	7.95	5.38	4.63	4.05	NG
S3-L04	2.03	3.39	7.46	5.01	4.28	4.03	NG
S3-L05	2.70	4.51	10.02	6.41	5.87	5.66	OK
S3-L06	1.71	2.85	6.37	4.21	3.58	3.32	OK
S3-L07	2.60	4.34	9.19	6.01	5.22	4.82	NG
S3-L08	1.17	1.96	4.34	2.89	2.54	2.25	NG
S3-L09	2.17	3.63	7.80	5.22	4.57	3.84	NG
S3-L10	2.11	3.53	7.73	5.08	4.39	3.62	NG
S3-L11	2.13	3.55	7.53	5.01	4.36	3.55	NG
S3-L12	1.80	3.00	8.92	5.87	5.04	3.72	NG
S3-L13	2.79	4.65	9.55	6.69	5.57	5.16	NG
S3-L14	2.50	4.17	9.75	6.15	5.50	4.71	NG
S3-L15	2.35	3.92	8.74	5.98	5.17	5.31	NG
S3-L16	1.77	2.95	6.31	4.26	3.68	3.73	NG
S3-L17	4.79	8.00	15.54	10.92	11.00	12.07	OK
S3-L18	1.27	2.13	4.56	3.08	2.64	2.56	NG
S3-L19	2.18	3.63	7.38	4.96	4.39	4.31	NG
S3-L20	1.53	2.55	5.92	3.88	3.30	2.45	OK

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Inspected Center Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-U00	1.09	1.82	4.22	2.77	2.36	2.14	NG
S1-U01	2.19	3.65	7.39	5.18	4.59	5.01	OK
S1-U02	3.79	6.33	12.23	8.85	7.47	8.19	OK
S1-U03	2.40	4.01	7.89	5.70	5.42	6.14	OK
S1-U04	2.60	4.35	8.39	5.35	4.82	5.31	OK
S1-U05	2.42	4.04	8.45	5.78	5.15	5.92	NG
S1-U06	2.15	3.58	7.53	5.21	4.71	4.92	NG
S1-U07	2.11	3.53	8.06	5.48	4.83	4.68	NG
S1-U08	2.26	3.78	8.44	5.76	5.11	5.09	NG
S1-U09	2.72	4.54	9.85	6.21	5.78	5.51	NG
S1-U10	2.85	4.75	10.00	6.78	5.87	5.48	NG
S1-U11	2.62	4.37	9.57	6.03	5.63	5.40	NG
S1-U12	2.50	4.17	8.76	5.90	5.22	5.05	NG
S1-U13	2.09	3.49	7.23	4.97	4.25	4.32	NG
S1-U14	2.99	4.98	8.19	5.84	5.77	5.96	OK
S1-U15	3.24	5.41	11.00	7.34	6.90	7.09	NG
S1-U16	2.55	4.26	9.08	6.31	5.61	5.52	NG
S1-U17	2.42	4.04	8.42	5.85	5.19	5.14	NG
S1-U18	2.96	4.94	9.59	6.56	5.88	5.75	NG
S1-U19	2.93	4.89	10.20	6.99	6.26	5.98	NG
S1-U20	2.78	4.64	9.34	6.43	5.74	5.23	NG
S2-U00	2.76	4.60	8.10	6.21	4.97	5.25	NG
S2-U01	3.09	5.15	10.56	7.57	6.33	5.74	NG
S2-U02	2.98	4.97	10.09	6.82	6.02	5.75	NG
S2-U03	2.50	4.17	9.12	6.00	5.42	5.25	NG
S2-U04	2.65	4.43	9.25	6.46	5.51	5.50	NG
S2-U05	3.16	5.28	10.85	7.54	6.60	6.36	NG
S2-U06	2.80	4.67	8.38	5.72	5.11	5.14	NG
S2-U07	3.42	5.70	9.35	6.29	5.64	6.48	NG
S2-U08	2.94	4.90	9.48	6.38	5.65	5.41	NG
S2-U09	3.16	5.28	10.72	7.35	6.41	5.84	NG
S2-U10	3.26	5.44	10.27	6.98	6.20	5.61	NG
S2-U11	3.13	5.23	10.57	7.18	6.38	5.77	NG
S2-U12	2.87	4.79	10.68	7.27	6.39	5.64	NG
S2-U13	2.80	4.68	9.47	6.44	5.72	5.10	NG
S2-U14	2.99	4.99	10.48	7.12	6.23	5.66	NG
S2-U15	2.73	4.56	9.60	6.43	5.62	5.33	NG
S2-U16	2.87	4.79	9.86	6.93	5.90	5.53	NG
S2-U17	2.95	4.92	9.95	6.76	5.96	5.70	NG
S2-U18	2.88	4.81	10.54	6.84	6.31	5.97	NG
S2-U19	2.65	4.43	9.14	6.40	5.48	5.34	NG
S2-U20	2.79	4.66	9.18	6.35	5.49	5.54	NG
S2-U21	2.95	4.92	9.47	6.70	5.79	5.62	NG
S2-U22	3.52	5.88	9.86	6.59	5.96	6.90	NG
S2-U23	3.41	5.69	12.04	8.22	7.26	6.91	NG
S2-U24	3.19	5.32	10.62	7.33	6.42	6.13	NG
S2-U25	3.17	5.30	9.57	6.54	5.87	5.55	NG
S2-U26	3.06	5.10	10.34	7.08	6.33	5.91	NG
S2-U27	2.86	4.78	10.27	7.04	6.21	5.69	NG
S2-U28	3.00	5.01	9.89	6.74	5.99	5.49	NG
S2-U29	2.69	4.49	9.10	6.21	5.54	5.11	NG
S2-U30	2.91	4.85	10.59	7.24	6.36	5.72	NG
S2-U31	2.95	4.92	10.19	7.20	6.08	5.65	NG
S2-U32	3.13	5.23	10.92	7.34	6.47	6.00	NG
S2-U33	3.14	5.24	11.58	7.51	6.87	6.34	NG
S2-U34	2.98	4.97	10.34	7.22	6.16	5.73	NG
S2-U35	3.08	5.14	10.38	7.06	6.14	5.95	NG
S2-U36	2.55	4.25	9.41	6.22	5.45	5.40	NG
S2-U37	3.45	5.76	9.38	6.22	5.61	6.43	NG
S2-U38	2.16	3.61	7.55	5.24	4.51	4.68	NG
S2-U39	3.68	6.14	11.66	8.16	7.02	7.91	NG
S2-U40	3.30	5.50	9.96	6.78	6.07	5.79	NG
S2-U41	2.82	4.71	9.19	6.26	5.59	5.29	NG
S2-U42	3.05	5.09	10.80	7.40	6.48	5.95	NG
S2-U43	3.24	5.40	10.86	7.34	6.50	5.93	NG
S2-U44	2.65	4.43	9.67	6.43	5.69	4.98	NG
S3-U00	2.49	4.15	9.06	6.99	5.57	5.06	NG
S3-U01	2.96	4.94	10.92	7.19	6.57	5.91	NG
S3-U02	2.79	4.66	9.31	6.75	5.64	5.84	NG
S3-U03	2.50	4.17	8.01	5.53	4.85	5.19	NG
S3-U04	2.44	4.08	7.67	5.37	4.70	4.92	NG
S3-U05	2.80	4.67	10.06	6.62	6.12	6.33	NG
S3-U06	3.03	5.05	8.00	5.72	5.53	6.00	OK
S3-U07	2.50	4.16	8.27	5.60	4.89	4.83	NG
S3-U08	3.00	5.02	9.15	6.24	5.58	5.35	NG
S3-U09	2.87	4.79	9.51	6.52	5.84	5.47	NG
S3-U10	2.98	4.97	10.69	7.18	6.30	5.70	NG
S3-U11	2.86	4.77	10.06	6.88	6.09	5.59	NG
S3-U12	2.52	4.20	8.07	5.53	4.88	5.19	NG
S3-U13	2.29	3.82	7.28	5.02	4.40	4.58	NG
S3-U14	2.08	3.48	7.46	4.85	4.52	4.70	NG
S3-U15	2.39	3.99	7.42	5.29	4.59	5.46	NG
S3-U16	2.60	4.34	7.19	5.29	5.08	5.33	OK
S3-U17	2.23	3.72	7.37	4.82	4.47	5.74	OK
S3-U18	3.88	6.47	10.46	8.03	7.42	8.86	OK
S3-U19	2.43	4.06	8.04	5.59	4.89	5.10	OK
S3-U20	1.17	1.96	4.38	2.86	2.45	2.29	NG

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Inspected Center Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-L00	1.09	1.82	4.22	2.77	2.36	2.14	OK
S1-L01	2.19	3.65	7.39	5.18	4.59	5.01	NG
S1-L02	1.56	2.60	4.92	3.46	2.98	3.34	NG
S1-L03	4.14	6.91	13.67	8.53	8.24	9.31	OK
S1-L04	2.18	3.64	7.31	4.84	4.17	4.71	NG
S1-L05	2.60	4.35	8.14	5.63	5.10	5.56	NG
S1-L06	2.13	3.55	7.33	5.09	4.63	4.96	NG
S1-L07	1.96	3.27	7.31	5.00	4.42	4.41	NG
S1-L08	1.58	2.64	6.02	4.02	3.49	3.00	NG
S1-L09	2.05	3.43	7.54	4.71	4.41	4.17	NG
S1-L10	2.22	3.71	7.86	5.45	4.73	4.40	NG
S1-L11	2.30	3.84	8.06	5.47	4.74	4.42	NG
S1-L12	1.51	2.52	5.23	3.42	2.96	2.99	NG
S1-L13	2.31	3.86	8.10	5.46	4.83	4.67	NG
S1-L14	1.95	3.25	6.91	4.64	4.02	3.89	OK
S1-L15	3.07	5.12	10.02	6.86	6.18	6.35	OK
S1-L16	2.11	3.53	7.80	5.20	4.43	4.22	NG
S1-L17	2.40	4.01	7.79	5.32	4.77	4.67	NG
S1-L18	1.35	2.25	4.70	3.12	2.76	2.64	NG
S1-L19	2.44	4.08	8.73	5.95	5.32	4.95	NG
S1-L20	2.26	3.78	6.99	4.81	4.29	3.91	NG
S2-L00	2.04	3.40	5.98	4.59	3.67	3.88	OK
S2-L01	2.70	4.50	9.64	6.64	5.64	4.98	NG
S2-L02	1.46	2.44	5.29	3.50	2.98	2.69	NG
S2-L03	2.76	4.60	9.31	6.29	5.55	5.34	NG
S2-L04	2.50	4.17	9.12	6.00	5.42	5.25	NG
S2-L05	2.65	4.43	9.25	6.46	5.51	5.50	NG
S2-L06	1.42	2.36	5.10	3.40	2.98	2.61	NG
S2-L07	2.80	4.67	8.38	5.72	5.11	5.14	OK
S2-L08	2.11	3.52	7.73	5.03	4.37	4.05	NG
S2-L09	3.23	5.38	10.17	6.91	6.14	5.55	NG
S2-L10	2.73	4.56	9.46	6.41	5.63	5.42	NG
S2-L11	2.67	4.46	9.96	6.78	5.96	5.26	NG
S2-L12	2.26	3.78	9.47	6.44	5.72	5.10	NG
S2-L13	3.00	5.00	10.50	7.16	6.36	5.68	NG
S2-L14	1.71	2.85	7.46	4.88	4.26	3.58	NG
S2-L15	2.83	4.73	9.60	6.49	5.62	5.48	NG
S2-L16	1.59	2.65	10.45	6.73	6.17	4.62	NG
S2-L17	2.87	4.79	9.86	6.93	5.90	5.53	NG
S2-L18	2.95	4.92	9.95	6.76	5.96	5.70	NG
S2-L19	2.65	4.43	9.70	6.29	5.81	5.50	NG
S2-L20	2.64	4.41	9.03	5.96	5.30	4.91	NG
S2-L21	2.79	4.66	9.18	6.35	5.49	5.54	NG
S2-L22	2.40	4.00	8.53	5.58	4.89	4.74	NG
S2-L23	3.19	5.32	10.62	7.33	6.42	6.13	NG
S2-L24	2.49	4.16	8.75	5.73	5.04	5.01	NG
S2-L25	2.85	4.76	9.53	6.52	5.83	5.45	NG
S2-L26	2.86	4.78	10.27	7.04	6.21	5.69	NG
S2-L27	3.00	5.01	9.89	6.74	5.99	5.49	NG
S2-L28	1.83	3.05	9.54	6.51	5.81	5.34	NG
S2-L29	2.70	4.51	10.18	6.90	6.07	5.39	NG
S2-L30	1.78	2.97	7.89	5.25	4.58	3.84	NG
S2-L31	3.06	5.10	11.31	7.20	6.70	6.08	NG
S2-L32	2.22	3.70	10.19	7.24	6.08	5.15	NG
S2-L33	2.93	4.90	10.23	6.87	6.05	5.62	NG
S2-L34	2.96	4.94	10.46	6.94	6.12	5.83	NG
S2-L35	2.95	4.92	10.23	7.15	6.09	5.67	NG
S2-L36	2.34	3.90	8.19	5.47	4.81	4.44	NG
S2-L37	2.16	3.61	7.55	5.24	4.51	4.68	OK
S2-L38	1.51	2.52	5.45	3.57	3.09	2.93	NG
S2-L39	3.30	5.50	9.96	6.78	6.07	5.79	NG
S2-L40	2.82	4.71	9.19	6.26	5.59	5.29	NG
S2-L41	2.81	4.70	9.96	6.83	5.99	5.49	NG
S2-L42	1.50	2.51	5.25	3.50	3.03	2.75	NG
S2-L43	2.80	4.67	9.39	6.35	5.62	5.13	NG
S2-L44	1.94	3.24	7.08	4.71	4.16	3.64	OK
S3-L00	1.87	3.12	6.80	5.25	4.19	3.80	NG
S3-L01	2.57	4.29	9.67	6.31	5.69	5.14	NG
S3-L02	1.38	2.31	4.76	3.23	2.87	2.76	NG
S3-L03	2.28	3.81	7.61	5.52	4.61	4.77	NG
S3-L04	2.32	3.87	7.67	5.37	4.70	4.42	NG
S3-L05	2.68	4.48	9.62	6.37	5.85	6.16	OK
S3-L06	2.14	3.58	7.64	4.97	4.29	4.06	OK
S3-L07	2.79	4.65	8.48	5.79	5.17	4.96	NG
S3-L08	1.48	2.48	5.27	3.55	3.12	3.00	NG
S3-L09	2.41	4.02	8.65	5.81	5.10	4.61	NG
S3-L10	2.41	4.02	8.01	5.48	4.86	4.46	NG
S3-L11	2.08	3.47	7.21	4.93	4.39	4.01	NG
S3-L12	1.69	2.81	6.20	4.08	3.55	2.96	NG
S3-L13	2.19	3.66	7.02	4.81	4.24	4.51	NG
S3-L14	2.18	3.65	7.73	5.03	4.72	4.91	NG
S3-L15	2.36	3.94	7.71	5.57	4.76	5.46	NG
S3-L16	2.14	3.56	7.19	4.82	4.26	4.53	NG
S3-L17	3.88	6.47	10.46	8.03	7.42	8.86	OK
S3-L18	1.47	2.45	5.13	3.39	2.97	3.16	NG
S3-L19	2.43	4.06	7.95	5.53	4.89	5.10	NG
S3-L20	1.17	1.96	4.38	2.86	2.45	2.29	OK

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Inspected South Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-U00	2.58	4.31	6.65	6.54	5.61	4.36	NG
S1-U01	3.33	5.56	7.92	6.51	6.57	6.11	OK
S1-U02	5.84	9.74	14.36	11.83	12.45	12.07	OK
S1-U03	5.30	8.85	12.39	12.33	11.09	12.71	OK
S1-U04	5.97	9.97	18.10	13.57	12.27	12.70	OK
S1-U05	3.73	6.23	8.81	7.30	6.66	6.45	NG
S1-U06	3.07	5.13	8.61	6.74	6.14	5.57	NG
S1-U07	3.95	6.59	10.59	8.20	7.42	6.72	NG
S1-U08	3.38	5.64	8.38	6.39	5.71	6.01	NG
S1-U09	3.36	5.61	8.55	6.43	5.82	6.34	NG
S1-U10	3.66	6.11	8.76	6.62	5.94	5.36	NG
S1-U11	3.41	5.69	8.33	6.37	6.70	6.42	NG
S1-U12	4.17	6.95	9.87	7.63	7.09	7.69	NG
S1-U13	3.84	6.41	10.17	7.42	8.12	8.14	NG
S1-U14	6.14	10.25	21.19	13.04	11.49	12.38	OK
S1-U15	5.71	9.54	14.98	14.10	12.20	10.98	NG
S1-U16	4.09	6.83	9.63	7.21	8.38	7.24	NG
S1-U17	3.19	5.32	8.11	6.99	6.61	5.61	NG
S1-U18	4.17	6.97	9.79	7.37	8.09	7.27	NG
S1-U19	3.98	6.64	10.94	8.30	7.48	6.68	NG
S1-U20	3.72	6.20	10.51	8.15	7.37	6.24	NG
S2-U00	3.48	5.80	8.68	6.50	6.23	5.73	NG
S2-U01	3.60	6.00	9.29	7.29	7.89	6.32	NG
S2-U02	3.78	6.30	9.78	7.21	8.25	6.69	NG
S2-U03	3.36	5.60	8.83	8.29	7.04	5.99	NG
S2-U04	4.76	7.95	12.27	11.76	9.91	8.26	NG
S2-U05	6.38	10.65	18.15	15.75	14.11	12.14	NG
S2-U06	3.88	6.47	13.56	9.09	7.98	7.28	NG
S2-U07	8.35	13.94	23.67	16.04	15.81	16.38	NG
S2-U08	3.84	6.41	9.95	9.36	8.18	6.90	NG
S2-U09	3.73	6.22	9.58	8.95	7.74	6.26	NG
S2-U10	3.86	6.44	9.56	8.10	8.12	6.51	NG
S2-U11	3.89	6.50	10.10	8.78	8.42	6.47	NG
S2-U12	4.12	6.87	10.32	7.66	8.74	6.71	NG
S2-U13	4.51	7.54	11.56	8.68	10.28	7.79	NG
S2-U14	4.47	7.47	11.64	8.78	9.80	7.67	NG
S2-U15	3.64	6.08	9.42	7.97	7.71	6.21	NG
S2-U16	3.77	6.29	10.13	7.85	8.46	6.77	NG
S2-U17	3.47	5.79	9.54	9.06	7.72	6.34	NG
S2-U18	3.82	6.37	10.85	8.24	8.96	7.42	NG
S2-U19	3.80	6.35	10.25	9.38	8.29	7.08	NG
S2-U20	4.89	8.17	12.71	9.66	10.68	9.07	NG
S2-U21	5.41	9.02	14.62	13.99	11.87	10.36	NG
S2-U22	6.97	11.64	21.46	14.62	14.41	14.88	NG
S2-U23	5.01	8.36	12.41	11.88	10.29	8.64	NG
S2-U24	4.33	7.23	10.90	8.68	8.90	7.51	NG
S2-U25	3.63	6.05	9.17	8.15	7.59	6.27	NG
S2-U26	4.06	6.78	10.40	7.85	8.97	7.12	NG
S2-U27	3.62	6.05	9.79	8.82	8.09	6.49	NG
S2-U28	4.10	6.84	10.57	7.89	8.73	7.24	NG
S2-U29	5.19	8.66	12.68	9.52	10.18	8.66	NG
S2-U30	4.60	7.68	11.29	8.47	9.94	7.57	NG
S2-U31	3.53	5.89	9.01	6.64	7.77	6.09	NG
S2-U32	3.77	6.30	9.72	7.25	8.30	6.41	NG
S2-U33	3.81	6.36	9.78	7.96	8.08	6.47	NG
S2-U34	3.91	6.53	9.96	7.51	8.57	6.73	NG
S2-U35	3.85	6.43	10.29	8.50	8.36	7.36	NG
S2-U36	4.46	7.44	11.53	9.14	9.46	8.85	NG
S2-U37	7.89	13.18	22.34	15.27	15.14	15.55	NG
S2-U38	4.36	7.28	16.01	10.29	9.23	9.57	NG
S2-U39	6.14	10.25	16.19	14.54	12.65	10.75	NG
S2-U40	4.63	7.73	12.19	10.86	9.49	8.10	NG
S2-U41	3.35	5.60	8.96	8.28	7.15	5.74	NG
S2-U42	4.09	6.82	10.41	8.82	8.62	6.84	NG
S2-U43	4.81	8.02	11.84	8.83	8.48	7.99	NG
S2-U44	4.31	7.20	11.85	9.10	8.20	8.89	NG
S3-U00	3.43	5.72	8.74	6.68	5.92	5.78	NG
S3-U01	3.54	5.91	8.96	6.86	6.09	6.63	NG
S3-U02	3.79	6.33	9.47	6.99	6.42	7.20	NG
S3-U03	3.13	5.23	8.08	6.29	6.83	6.34	NG
S3-U04	3.60	6.01	9.16	6.94	7.94	7.20	NG
S3-U05	6.17	10.29	15.05	14.48	12.02	12.10	NG
S3-U06	6.23	10.40	19.83	15.11	12.06	12.56	OK
S3-U07	3.41	5.70	8.87	7.19	6.88	6.12	NG
S3-U08	3.89	6.49	9.25	6.94	7.20	6.93	NG
S3-U09	3.62	6.04	8.55	6.49	7.49	6.21	NG
S3-U10	3.73	6.23	9.19	7.02	6.32	6.20	NG
S3-U11	3.66	6.11	10.39	8.07	7.29	6.06	NG
S3-U12	3.44	5.74	8.56	6.52	7.64	6.75	NG
S3-U13	3.16	5.28	7.65	5.84	5.18	5.29	NG
S3-U14	2.81	4.69	6.53	5.14	4.50	4.56	NG
S3-U15	4.05	6.75	8.89	6.55	6.01	6.30	NG
S3-U16	5.51	9.20	19.63	11.58	10.64	10.89	OK
S3-U17	6.30	10.52	11.62	10.28	11.52	10.88	OK
S3-U18	6.61	11.04	15.66	15.23	13.47	12.59	OK
S3-U19	3.40	5.67	9.23	7.12	6.48	6.05	OK
S3-U20	3.33	5.56	8.92	6.90	6.28	5.76	NG

HAM-471-0025
Gusset Plate Summary

Start Joint ID	100	Made By:	BKC	Date:	8/12/2009
End Joint ID	273	Checked By:	CJM	Date:	8/12/2009

As-Inspected South Truss

Joint Name	HS-20 (Inventory	HS-20 (Operating)	2F1 (Operating)	3F1 (Operating)	4F1 (Operating)	5C1 (Operating)	Edge Stiffeness AASHTO 10.16.11.3
S1-L00	2.58	4.31	6.65	6.54	5.61	4.36	OK
S1-L01	3.33	5.56	7.92	6.51	6.57	6.11	NG
S1-L02	1.80	3.01	4.65	4.19	3.62	3.81	NG
S1-L03	8.67	14.47	25.25	18.99	16.97	17.45	OK
S1-L04	2.68	4.47	6.69	6.35	5.56	5.70	NG
S1-L05	4.02	6.71	8.79	6.74	6.16	5.99	NG
S1-L06	2.94	4.90	8.28	6.25	5.60	4.93	NG
S1-L07	3.62	6.05	10.12	7.83	7.09	6.23	NG
S1-L08	1.60	2.66	5.20	4.23	3.87	3.17	NG
S1-L09	2.87	4.80	6.59	5.03	4.49	4.73	NG
S1-L10	2.76	4.61	6.56	4.93	4.47	4.82	NG
S1-L11	2.84	4.74	6.81	5.14	4.61	5.23	NG
S1-L12	1.47	2.46	3.94	3.55	3.10	2.80	NG
S1-L13	3.87	6.46	9.51	7.00	8.30	7.63	NG
S1-L14	2.00	3.34	5.39	4.99	4.28	3.58	OK
S1-L15	5.12	8.54	13.18	12.34	10.72	9.66	OK
S1-L16	2.47	4.12	6.69	6.11	5.24	4.30	NG
S1-L17	3.27	5.45	7.67	5.77	6.81	5.69	NG
S1-L18	1.75	2.93	7.67	5.00	4.27	3.19	NG
S1-L19	3.20	5.35	9.06	7.02	6.35	5.38	NG
S1-L20	3.13	5.22	8.61	6.72	6.07	5.07	NG
S2-L00	2.35	3.93	5.88	4.40	4.22	3.88	OK
S2-L01	3.29	5.49	8.16	6.14	7.03	5.44	NG
S2-L02	1.59	2.66	5.11	3.93	3.35	2.86	NG
S2-L03	3.44	5.74	9.06	8.84	7.51	6.16	NG
S2-L04	3.36	5.60	8.83	8.29	7.04	5.99	NG
S2-L05	5.07	8.47	14.33	12.62	10.94	9.60	NG
S2-L06	1.05	1.75	3.05	2.91	2.50	2.01	NG
S2-L07	3.84	6.41	9.95	9.09	7.98	6.90	OK
S2-L08	1.92	3.20	5.90	5.66	4.89	3.89	NG
S2-L09	3.81	6.36	9.44	9.26	8.02	6.43	NG
S2-L10	2.92	4.87	9.39	8.10	7.83	6.01	NG
S2-L11	3.79	6.33	9.51	7.06	8.14	6.18	NG
S2-L12	1.73	2.89	5.00	3.80	3.40	3.47	NG
S2-L13	6.13	10.23	15.08	11.54	10.36	10.75	NG
S2-L14	2.60	4.34	8.15	6.50	5.90	4.99	NG
S2-L15	4.11	6.86	10.63	7.97	9.06	7.06	NG
S2-L16	1.62	2.71	4.85	3.88	3.53	2.89	NG
S2-L17	3.77	6.29	10.13	9.77	8.46	6.77	NG
S2-L18	3.47	5.79	9.54	8.24	7.72	6.34	NG
S2-L19	3.87	6.45	9.87	9.57	8.15	6.74	NG
S2-L20	2.55	4.25	9.68	6.41	5.59	4.60	NG
S2-L21	4.97	8.29	13.45	12.47	10.68	9.59	NG
S2-L22	2.37	3.96	9.56	6.25	5.37	4.45	NG
S2-L23	4.33	7.23	10.90	10.28	8.90	7.51	NG
S2-L24	3.03	5.05	9.17	7.54	6.41	5.46	NG
S2-L25	3.81	6.36	9.44	7.13	8.14	6.47	NG
S2-L26	3.62	6.05	9.79	8.57	8.09	6.49	NG
S2-L27	4.10	6.84	10.57	7.89	9.14	7.24	NG
S2-L28	1.61	2.69	4.64	3.71	3.38	2.76	NG
S2-L29	6.43	10.73	15.07	11.37	10.18	10.50	NG
S2-L30	2.58	4.31	7.61	6.03	5.55	4.60	NG
S2-L31	4.49	7.50	10.84	8.21	9.62	7.32	NG
S2-L32	1.54	2.57	4.64	3.60	3.23	2.58	NG
S2-L33	3.47	5.80	8.95	6.67	7.64	5.90	NG
S2-L34	3.26	5.44	9.09	7.51	7.51	6.02	NG
S2-L35	3.87	6.45	9.98	8.22	8.47	6.93	NG
S2-L36	2.10	3.51	6.51	5.93	5.08	4.23	NG
S2-L37	4.36	7.28	11.53	9.77	9.23	8.92	OK
S2-L38	1.30	2.16	3.73	3.48	3.02	2.45	NG
S2-L39	4.63	7.73	12.19	10.86	9.49	8.10	NG
S2-L40	3.35	5.60	8.96	8.28	7.15	5.74	NG
S2-L41	3.71	6.20	9.46	9.10	7.83	6.21	NG
S2-L42	2.29	3.82	8.95	5.87	5.05	3.95	NG
S2-L43	4.08	6.81	10.45	7.98	7.16	7.48	NG
S2-L44	2.98	4.97	8.19	6.29	5.67	6.14	OK
S3-L00	2.72	4.53	6.35	4.82	4.33	4.50	NG
S3-L01	2.95	4.92	7.52	5.75	5.10	4.97	NG
S3-L02	1.98	3.31	7.00	4.66	4.10	3.68	NG
S3-L03	3.05	5.08	7.45	5.51	6.62	5.82	NG
S3-L04	2.49	4.15	6.78	6.14	5.31	4.61	NG
S3-L05	5.64	9.42	14.27	13.28	11.26	11.60	OK
S3-L06	2.22	3.70	5.76	5.38	4.74	4.02	OK
S3-L07	3.55	5.93	8.45	6.34	7.40	6.33	NG
S3-L08	2.01	3.36	5.22	5.03	4.30	3.50	NG
S3-L09	3.21	5.36	7.10	5.43	4.88	5.35	NG
S3-L10	2.83	4.72	8.03	6.23	5.63	4.68	NG
S3-L11	2.94	4.90	8.46	6.67	6.06	4.97	NG
S3-L12	1.59	2.65	5.19	4.23	3.90	3.33	NG
S3-L13	2.98	4.98	7.26	5.53	5.18	5.29	NG
S3-L14	2.94	4.91	6.77	5.28	5.40	5.47	NG
S3-L15	3.91	6.52	8.64	6.39	5.88	6.17	NG
S3-L16	2.53	4.22	6.12	4.64	5.19	4.84	NG
S3-L17	9.41	15.71	27.77	20.89	18.67	18.61	OK
S3-L18	1.90	3.17	4.38	3.33	3.98	3.56	NG
S3-L19	3.37	5.62	9.16	7.06	6.42	6.00	NG
S3-L20	3.33	5.56	8.92	6.90	6.28	5.76	OK

APPENDIX E
DVD OF ELECTRONIC FILES