

**JOHANSEN**

**Engineering, Inc.**

6432 Uintah Peak Drive  
Salt Lake City, UT 84129

Bus: (801) 809-8552

April 16, 2025

Job No. J25-029

**Mark Overdevest**

Associate Broker

Sotherby's International Realty

2162 S. Belaire Dr.

Salt Lake City, UT 84109

Cell: (801) 440-6140

Email: [valorefuge@gmail.com](mailto:valorefuge@gmail.com)

Re: Engineering Evaluation  
Existing Railcar Frame Bridge  
2630 & 2680 N. Highway 39  
Huntsville, UT 84317

Dear Mr. Overdevest,

I met with you at the above referenced site on April 7, 2025 for the purpose of evaluating the capacity of the existing riveted railcar frame bridge at your property. I took a number of photographs of the bridge while on site.

I received a copy of the email regarding The Conditional Use Permit Application – 2630 & 2680 N Highway 39, Huntsville. In this email Mr. David Reed – Deputy Chief/Fire Marshall (801-782-3580 Ext. 205) stated that by code, any bridge or road for fire access need to be rated at 75,000 lbs.

You and I took extensive measurements of the existing railcar frame bridge which I have used to analyze the bridge for the wheel loading of a 75,000 lbs Fire Ladder Truck (See Attached Sketch).

The riveted railcar steel frame that is acting as a bridge at your property is capable of carrying the fire truck wheel loads without overstressing the bridge.

Therefore, I conclude that the bridge can be rated for the 75,000 lbs Fire Ladder Truck as shown on the attached sketch.

Please let me know if you need any additional information, or have any questions.

Sincerely,

JOHANSEN

Engineering, Inc.

Kim L. Johansen, P.E.



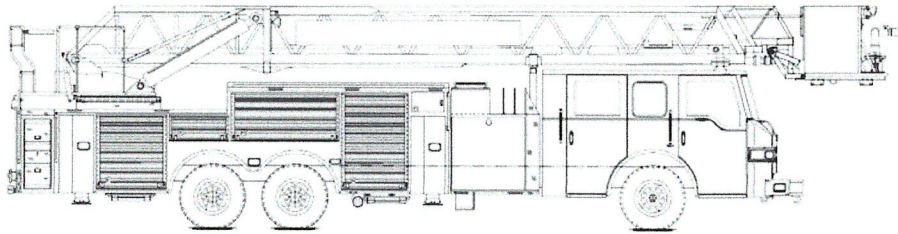


## Emergency Vehicle Size and Weight Regulation Guideline



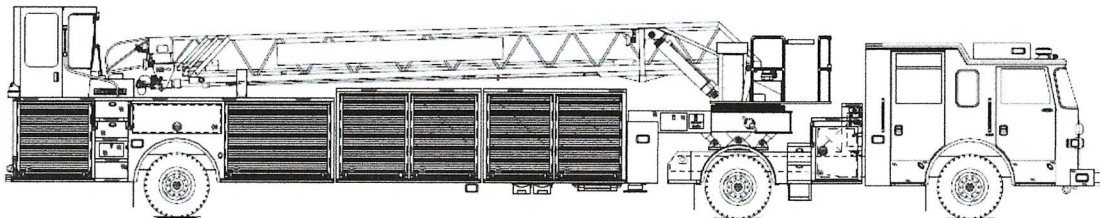


### Aerial Platform Rear Mount – Tandem Rear Axle



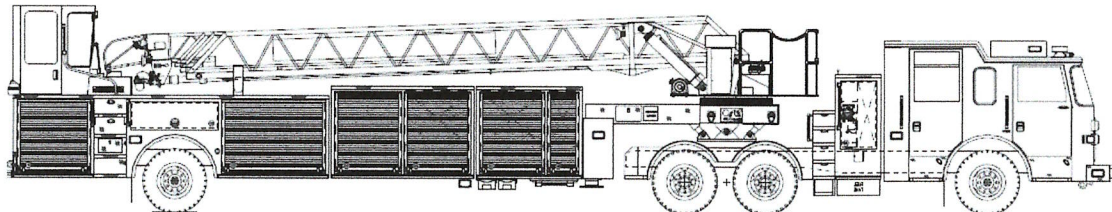
	<u>Min</u>	<u>Max</u>
Front GAWR	21,500	24,000
Rear GAWR	46,000	62,000
Width (in.)	98	100
Height (ft.)	11.5	13
Length (ft.)	46	48

### Aerial Ladder – Tiller Single Rear TractorAxle



	<u>Min</u>	<u>Max</u>
Front GAWR	21,500	24,000
Rear GAWR	27,000	31,000
Tiller GAWR	21,500	24,000
Width (in.)	98	100
Height (ft.)	10.5	11.5
Length (ft.)	56	63

### Aerial Ladder – Tiller Tractor Tandem Rear Axle



	<u>Min</u>	<u>Max</u>
Front GAWR	21,500	24,000
Rear GAWR	34,000	44,000
Tiller GAWR	21,500	24,000
Width (in.)	98	100
Height (ft.)	10.5	11.5
Length (ft.)	56	63