Trailer Mounted Anti-Ice Applicators

2019-37

Addendum #1

Revision to IDOT Specification 269-60-12 and 269-60-14

December 27, 2018

* Addendum #1 is to revise the tank platform height from 36” to approximately 38" on page 2 and to remove the requirement to mark the 15% and 20% load transfer areas on the trailer on page 3 for IDOT specifications 269-60-12 and 269-60-14.
* Please replace the following pages to the respective specification/questionnaire.

**Trailer:**

Tag trailer, Tandem axle, dual wheel, eight (8) pneumatic tires, for the supported mounting of a single or joined poly tank(s).

|  |  |
| --- | --- |
| Number of tires:  |       |
| Number of axles:  |       |

Complies: Yes [ ]  No [ ]

**The trailer’s capacity shall be calculated as:**

The ability to transport 40,000 lbs. minimum load capacity at a highway speed of 55 M.P.H.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Load capacity at 55 mph:  |       | Pounds |

The trailer frame, tongue, crossmembers, tank supports, etc. shall be fabricated then coated with hot dipped galvanizing material, to provide extended life while exposed to corrosive chemicals in winter maintenance operations. The axles, tires, wheels are exempt from this requirement.

Complies: Yes [ ]  No [ ]

**Frame:**

Main beams shall be wide flange beams pierced to allow full through crossmember installation.

Complies: Yes [ ]  No [ ]

All frame members shall be 50,000 psi. minimum steel mainrails from front to drawbar to rear of trailer.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Steel rating:  |       | PSI |

Main beams shall be 14" X 22 lbs. per foot wide flange beam minimum.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Main beam:  |       x       | Lbs. |

**Tank Platform:**

Platform height dimension is critical to maintain the tipping balance of the trailer. Trailers considered must have loaded platform height of approximately 38"

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Loaded height:  |       | Inches |

The tank platform shall be constructed of heavy formed or structural channel spaced to provide full support to the underside of the tank(s).

Complies: Yes [ ]  No [ ]

|  |  |
| --- | --- |
| Describe construction:  |       |
|       |

Trailer Width - 96" minimum 102” maximum

|  |  |  |
| --- | --- | --- |
| Width:  |       | Inches |

The trailer shall be approximately 25’ in overall length.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Overall length: |       | Feet/Inches |

**Tongue:**

The tongue shall extend approximately 90” ahead of the tank. Length shall allow for swing clearance on IDOT dump trucks equipped with an under the tailgate salt spreader or other winter attachments.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Length:  |       | Feet/Inches |

***Note:*** A longer tongue length will be allowed to achieve balance and weight transfer. This will be discussed with the successful bidder prior to construction.

The tongue shall be an “A”-frame, designed with ample safety factor to withstand a minimum 20 percent of the rated gross vehicle weight of the trailer.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Load rating percentage:  |       | Percent |

**Load Transfer:**

The trailer shall be capable of transferring a minimum of 15 percent and a maximum of 20 percent of its load to the towing vehicle.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Weight transfer:  |       | % with centered load. |

**Brakes:**

Type- All wheels full air, anti-lock meeting Federal requirements 4S2M system.

Effective Lining Area - As required for 40,000 lb. rating

Complies: Yes [ ]  No [ ]

The trailer shall utilize a single air tank mounted so as not to interfere with the operation of the device.

Complies: Yes [ ]  No [ ]

**Brake Connections:**

One standard air brake connector kit shall be provided with each trailer. The glad hands shall be Meritor Wabco part number 952 201 018 0 filtered units or IDOT approved equal

Complies: Yes [ ]  No [ ]

The trailer shall be furnished with bright colored, coiled air lines at the "A" frame.

Complies: Yes [ ]  No [ ]

**Trailer:**

Tag trailer, Tandem axle, dual wheel, eight (8) pneumatic tires, for the supported mounting of a single or joined poly tank(s).

|  |  |
| --- | --- |
| Number of tires:  |       |
| Number of axles:  |       |

Complies: Yes [ ]  No [ ]

**The trailer’s capacity shall be calculated as:**

The ability to transport 40,000 lbs. minimum load capacity at a highway speed of 55 M.P.H.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Load capacity at 55 mph:  |       | Pounds |

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Complies: Yes [ ]  No [ ]

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Complies: Yes [ ]  No [ ]

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Complies: Yes [ ]  No [ ]

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| --- | --- | --- |
| Steel rating:  |       | PSI |

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| --- | --- | --- |
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**Tank Platform:**

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Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Loaded height:  |       | Inches |

The tank platform shall be constructed of heavy formed or structural channel spaced to provide full support to the underside of the tank.

Complies: Yes [ ]  No [ ]

|  |  |
| --- | --- |
| Describe construction:  |       |
|       |

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|  |  |  |
| --- | --- | --- |
| Width:  |       | Inches |

The trailer shall be approximately 25’ in overall length.

Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Overall length: |       | Feet/Inches |

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| --- | --- | --- |
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Complies: Yes [ ]  No [ ]

|  |  |  |
| --- | --- | --- |
| Load rating percentage:  |       | Percent |

**Load Transfer:**

The trailer shall be capable of transferring a minimum of 15 percent and a maximum of 20 percent of its load to the towing vehicle.

Complies: Yes [ ]  No [ ]

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| --- | --- | --- |
| Weight transfer:  |       | % with centered load. |

**Brakes:**

Type- All wheels full air, anti-lock meeting Federal requirements 4S2M system.

Effective Lining Area - As required for 40,000 lb. rating

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