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Addendum 1

**INVITATION TO BID NUMBER: ITB 24-22-211851
ARRC New 110 Ton 64 General Service Flat Cars**

Addendum number 1 has been issued for questions/clarification.

**Offers will be received until 3:00 pm local time on April 10, 2024.
At which time bids will be publicly opened.**

QUESTIONS:

Gross Weight on Rail - 286,000 lbs (stencil 263,000 lbs max)

Should the brake system design (brake shoe forces) correspond to a 286,000 lbs GRL car? or to a 263,000 GRL car?

Braking should be for 286,000.

Truck Centers - 45' 0"

Is this an absolute requirement? Minimum? Maximum? The truck centers will certainly be close to this value. Checking curve negotiability (both carbody clearance and coupler swing) may affect the final truck center dimension, unless this is an absolute requirement.

Truck centers should be between 42' and 48'.

Minimum Side Sill Width (to Stake Pockets) - 10' 4"

The maximum width of the car is 10' 8" (dictated by AAR Plate C). RP-208 states "Stake pockets for flatcars should be 4 in. wide x 5 in. deep". The Stake Pockets shown in AAR RP-209 (referenced by RP-208) are approximately 5 1/2" - 6" overall depth. This only leaves a maximum of 9' 8" for the width of the side sills, between stake pockets. Is this what the 9' 4" was referencing? Please clarify.

Maximum Deck Width overall 10'4"

Max width to outside of Stake Pockets 10'4"

Minimum Side Sill outside width 9'4"

Side Sills - Cold Rolled Channel

Flatcars constructed with side sill channels typically use hot rolled channel. Side sills made from roll-formed plate typically use hot-rolled plate. JK-CO would intend to use hot-rolled channel. Please clarify. It is uncertain if cold-rolled channel is available in the sizes used for flatcar side sills.

Use the normal manufacturing methods.

Top of Deck - 3' 10"

Is this nominal? maximum including any necessary camber? or?

Note: It is likely the stake pockets may violate the AAR Plate-C outline, for a full 10' 8" overall width, and a 3' 10" deck height, with a 2 1/2" thick wood deck. JK-CO can provide a sketch to illustrate this.

This can be addressed by slightly raising the deck height, using a steel deck plate, narrowing the car slightly, or a combination of these.

Maximum nominal Deck Height @ truck center 3'10" to top of wood deck.

Truck Wheelbase - 6 foot

286,000 lb GRL trucks (as well as 263,000 lb GRL trucks) typically have a 5' 10" wheel base. Is this acceptable? AAR trucks with a 6 ft wheelbase are generally 315,000 lb GRL

5'10" wheelbase is acceptable.

Sill stop shall be flared 2" proud of side sill.

Please Clarify.

Sill stop flare?? I'd use normal manufacturing methods.

Curve Negotiability Radius - Coupled to AAR Base Car - 171 ft. Coupled to Like Car - 237 ft.

The AAR requirement for cars with truck centers less than 50 ft is 185 ft radius (min) coupled to Like-Car or AAR Base-Car, and 150 ft radius (min) uncoupled. Is this acceptable?

USE AAR

Deck - Hardwood Species 2-1/2" X 6"

Is welded construction with an integrated solid steel deck plate acceptable? No. Wood only for decking.

Brakes - Standard 8.5" piston body mounted.

Is a 10" x 12" brake cylinder acceptable (in any case, brakes will meet AAR requirements).
Are Truck-Mounted-Brakes acceptable?

10" x 12" is acceptable. No truck mounted brakes.

All other terms and conditions remain unchanged.

If there are any questions regarding this addendum, please let me know.

Thank you,

C. Lee Thompson

Contract Administrator

Alaska Railroad Corporation