

Phone 907-265-2068 Cell 907-854-3141

July 15, 2025

Addendum Number 4

Invitation to Bid 25-46-213487 25-46 ARRC ITB BR 6.0 Bridge Cap Fabrication

Closing date, offers will be received until 3:00 pm local time on July 16, 2025

This addendum is being issued to provide information as follows:

Question: Per the specification you're calling out the W14x211 as A709 Gr.50W3(or A588). Per ASTM on the Gr.50W there is F3 and T3. You're calling this out as only 3. F3 is fracture critical and T3 is non-fracture critical. Our supplier is asking which is it. Can you define more what the "3" designator in your specification is?

If fracture critical, can you tell me what your Low Temp Charpy Values are that are needed for this? Per a preliminary independent test this is covered to 15ft-lbs @ 10 deg. It's likely they will pass other values but are not guaranteed.

Response: The beams are fracture-critical and require the following impact test requirements for Zone 3.

Sincerely,

C. Lee Thompson

Contract Administrator Alaska Railroad Corporation

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Table 15-9-3. ASTM A709 Impact Test Requirements for Structural Steel - Fracture-Critical Members

(See Articles 1.14.5, 1.2.1b, and Notes 1 and 2)

	Thickness, In.	Minimum TestValue Energy Ft-lb	Minimum Average Energy, Ft-Ib and Test Temperatures		
Designation	(Note 3)		Zone 1	Zone 2	Zone 3
A36	All available	20	25 @ 70°F	25 @ 40°F	25@10°F
A709, Grade 36F		20	0.5 (C) 5005	25 0 1005	0.0.1000
A992	To 2 incl.	20	25 @ 70°F	25 @ 40°F	25 @ 10°F
A709, Grade 50SF					
A572, Grade 50 A709, Grade 50F	Over 2	24	30 @ 70°F	30 @ 40°F	30 @ 10°F
A 588					
A709, Grade 50WF					
For all grades in this row, see					
Note 4.)					
A709, Grade HPS 50WF (Note	e 4) All available	24	30 @ 10°F	30 @ 10°F	30 @10°F
	310		0.000		
A709, Grade HPS 70WF (Note	e 5) All available	28	35 @ -10°F	35 @ -10°F	35 @ -10°F
December 2016. It do Note 2: For shapes, impact tes selected as follows: (1) As-rolled plates at (2) Normalized plates (3) Quenched and ten Note 3: See Table 15-9-1 for I Note 4: If the yield point of th	Ib to other steels) for FCMs es not cover every aspect of sting is at "P" (plate frequence re sampled at each end of each s are sampled at one end of e mpered plates are sampled at imitations on available thickne material as given in the test	(fracture-critic: CVN testing gi cy) as defined in the plate-as-rolled ach plate-as-he each end of each nesses. It report exceed	al members) ar ven in ASTM ASTM A673. ed. at-treated. ch plate-as-hea s 65,000 psi th	nd is current as A709. For plates, spec at-treated. He test temperation	of cimens are ure for the
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