

4600100 STRUCTURAL STEEL AND MISCELLANEOUS METALS  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (5-10-19, Internal)  
1. 460-1.1: What is a J-arm?

to, the following:			
→	→	→	→ 1. <del>Ladders</del> <u>Steel modular joints</u>
→	→	→	→ 2. <del>Platforms</del> <u>Load plates</u>
→	→	→	→ 3. <del>Bearings</del> <u>Stay in place forms</u>
→	→	→	→ 4. <del>Railings</del> <u>Laminated bearing pads</u>
→	→	→	→ 5. <del>End Wall Grates</del> <u>Aluminum J-arms</u>
→	→	→	→ 6. <del>Roadway Gratings</del> <u>inlets, and frames</u>
→	→	→	→ 7. <del>Metal Drainage Components</del>

Response: It is an aluminum post shaped as a “J” to hold the lights typically mounted on overhead steel trusses. It is commonly used on Turnpike and Interstate facilities.

2. 460-1.1: Correct the numbering.

to, the following:			
→	→	→	→ 1. <del>Ladders</del> <u>Steel modular joints</u>
→	→	→	→ 2. <del>Platforms</del> <u>Load plates</u>
→	→	→	→ 3. <del>Bearings</del> <u>Stay in place forms</u>
→	→	→	→ 4. <del>Railings</del> <u>Laminated bearing pads</u>
→	→	→	→ 5. <del>End Wall Grates</del> <u>Aluminum J-arms</u>
→	→	→	→ 6. <del>Roadway Gratings</del> <u>inlets, and frames</u>
→	→	→	→ 7. <del>Metal Drainage Components</del>
→	→	→	→ 8. <del>Steel Expansion Joint and Components</del> <u>Steel and aluminum railing</u>
→	→	→	→ 9. <del>Forgings and castings to be used in bridge machinery</del>

Response: Agree, the numbering will be amended.

3. Highlighted terminology matches FDM 266.3 and SDG 10.4.B

Table 460-1	
Fabrication Categories	
Structure Type	Accepted Accreditation Program
Simple Bridge	AISC Simple Bridge
Pedestrian bridge (standard design prefabricated steel truss) bridge	

Response: Agree to amend.

4. Only prefabricated steel truss pedestrian bridges belong in the previous category.

grid decking	
Steel Bridge: Vehicular bridge, Pedestrian bridge (proprietary design all others)	AISC Advanced Bridge Fracture Critical Endorsement
Structural Highway Metal Components, Group I: bridge machinery, bridge bearings, modular joints, load plates	AISC Components

Response: Agree to amend.

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Comments: (5-17-19, Internal)

I'm not crazy about adding Stay-in-Place forms to the miscellaneous items list. One, CEI will think that welders must be certified and a weld procedure submitted and two, CEI will want to charge the FDOT for certified inspector for welding observation. Both will add unnecessary costs for work that is only temporary.

Response: Agree to remove.

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Keith Waugh  
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Comments: (5-18-19)

Stay-in-Place forms should not be included in the miscellaneous items list. One, CEI will think that welders must be certified and a weld procedure submitted and two, CEI will want to charge the FDOT for certified inspector for welding observation. Both will add unnecessary costs for work that is only temporary.

Response: Agree to remove.

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Comments: (6-13-19)

1. 460-1.1: Add "Bearings" to "Load Plates" so it will read "Bridge Bearings and Load Plates";

Response: Agree to amend.

2. 460-1.1: Move "9. Forgings and Castings to be used in bridge machinery" from Miscellaneous components up to #12 of the prior paragraph Main or primary load carrying.

Response: Agree to amend.

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