

4600701 STRUCTURAL STEEL AND MISCELLANEOUS METALS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Gordon Wheeler
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Comment: (11-15-13)

I suggest changing “impact” to “be impacted by” in the highlighted text below.

- → **460-7.1.3 Erection Plan:** Submit, for the Engineer’s review, an Erection Plan locating all primary members, lifting equipment and temporary supports or braces, and bolting pattern tightening procedures not considered routine. Ensure that the plan includes the Specialty Engineer’s signature and stamp. Include supporting calculations indicating that the design unit stresses indicated in the Contract Documents have not been exceeded. Provide this ~~P~~**p**lan or ~~P~~**p**lans to the Engineer three weeks before erecting the piece or pieces.¶
- → → Include the following information in the Erection Plan.¶
- → → 1. A plan of the work area showing all substructure units and foundations; surface roads and railroads; all streams, creeks and rivers; ~~and~~ all overhead *utilities*; and *any* underground utilities *that could possibly be impacted by, or be adversely affected by, erection operations as determined by the Specialty Engineer.*¶
- → → → 2. The erection sequence for all primary load-carrying members.

Response: (by Dan Scheer) Thanks for the comment – as I understand the language, the ‘impact’ statement is referring to those items impacting crane operations, and the ‘be adversely affected by’ statement is the impact of the crane operations on the listed items (i.e. utilities). The author is trying to say if the list impacts the operations or if the crane operations effects the list, then they must be shown on the plan. So in essence, the author is trying to cover both bases, and not just the effect on the listed items... We will look to see if we can better clarify the language there...

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Comment: (11-15-13)

460-7.1.3(3): Should this be in here twice?

3. The center of gravity locations, pick weight and delivery orientation for all primary load-carrying members and pick weight.

Response: Agree, will change.
Change made.

D3 Utility Administrator

Comment: (12-23-13)

Water and gas are marked on Plans where a crane will be operating so determination can be made as to the ground pressure of the crane and the need for mats.

Response: The spec has been revised to assign the responsibility for determining what underground utilities are a concern during erection of steel superstructures to the Contractor's Specialty Engineer rather than mandate that all utilities be shown on the erection plans regardless of impact on erection. All projects have utility location plans in the Contract Documents and the Contractor's Specialty Engineer that is responsible for preparing the erection plan has full access to these plans. Since the plans locate all utilities that are known to the Department, the Specialty Engineer has all the information available to make a responsible decision about which utilities impact erection and which don't. Therefore, there is no good reason to ID all underground utilities on the erection plan.

No change made.
