

6340000 SPAN WIRE ASSEMBLY
INTERNAL/INDUSTRY REVIEW COMMENTS

Missy Hollis
414-4182
melissa.hollis@dot.state.fl.us

Comments: (7-29-16, Internal)

634-4 Method of Measurement: Could we remove the separate subarticles for “Furnish” and “Install”?

Response: Agree. Change made.

Elizabeth Birriel
921-7361
elizabeth.birriel@dot.state.fl.us

Comments: (8-2-16, Internal)

634-3.2 Span Types:

1. 4. Special Design Span or Drop Box Span:

Use Traffic Engineering Terminology—**Suspended Box Span**, not Drop Box Span.

Also, unless shown in the plans, consider having an installation note that the stringers on the Suspended Box be oriented so that each stringer approximately bisects the angle created by the suspended box corner.

Response: Drop changed to Suspended. Change made.

Second comment – This is an element of design, not the Specifications. No change made.

2. Question?: Do the design manuals limit the length of the stringers? If not shown in the design plans, limit the length of the stringers to 15’ max whenever possible. This will help reduce sag, which is a common downfall of suspended box span designs. (Comments and questions from Fred Heery).

Response: This is an element of design, not the Specifications.

No change made.

Daniel Strickland
414-4352
daniel.Strickland@dot.state.fl.us

Comments: (8-2-16, Internal)

634-2.3: The proposed revision addresses modifications to span wire assemblies, however the Method of Measurement and Basis of Payment sections do not mention how these modifications are paid for. The BOE has a pay item for “adjustments” so they should also make sure the Spec and BOE have consistent terminology. In addition, the BOE includes the removal of span wire assemblies and there is no mention of how that is paid for either.

Response: The Specifications do not show extended pay items. Both of the items mentioned in the comment are extensions of pay item 634-4.
No change made.

Cheryl Hudson
414-5332
cheryl.hudson@dot.state.fl.us

Comments: (8-30-16, Internal)
634-3.3: Minor editing for consistency:

<p>The catenary wire shall be tensioned to provide a 5%, plus or minus 0.5% sag. Install the span wire assemblies in accordance with the Design Standards, Index No. 17727, and at a height on the support poles which will provide a clearance from the roadway to the bottom of the signal head assemblies as shown in Index 17727. Connect all span wires to the pole grounding system in accordance with Section 620.</p>
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Response: Until January 2009, 634-3.3 (g) stated “Install the span wire assemblies in accordance with the Design Standards, Index No. 17727, and at a height on the support poles which will provide a clearance from the roadway to the bottom of the signal head assemblies as specified in 650-4.” The correct Spec reference should have been 650-3, and this change was initially proposed for July 2009. However, by the time it made it to FHWA, it was changed by the originator to “as shown in Index 17727”. It has been that way ever since.

The correct reference is “650-3”. We will make this correction prior to sending to FHWA.
Change made.

Eddy Scott
386-961-7831
eddy.scott@dot.state.fl.us

Comments: (9-15-16)
634-2.3 last paragraph - Is there a need for this paragraph to apply to concrete strain poles and not just steel strain poles? If so suggest striking the word "steel".

Response: The clamps are only used on steel strain poles.
No changes made.
