

SP5810000 TREE AND PALM RELOCATION
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Shea Hansen
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Comments: (Industry 6-4-21)

Section 581-5, there is new language instructing the contractor to install tree protection around relocated material. Suggest considering that some material gets relocated outside of project limits to different locations along state right of ways and therefore tree protection may not be required on all relocated material.

Response:

Robert Cotleur
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Please Contact

Comments: (Industry 6-9-2021)

581-3.1 Add requirement for Contractor to review the site conditions and trees to be relocated with the professional of record prior to starting work to ensure none of the existing conditions have substantially changed. Add item number 581-3.1.4, "Condition" of existing trees to be relocated. 581-3.2 Add, "... unless otherwise specified in the Contract Documents", to the last sentence of this paragraph. This is because for some projects the RLA might find it important to place certain requirements in the plans instead of allowing the Contractor to determine them. We did this on project where some large Oak trees were specified to be relocated so we wanted to ensure they were properly root pruned instead of allowing the Contractor to decide this, and we provided a detail in the plans on how it should be done. 581-3.2.5 Add, "Pre and post relocation" to the beginning of this item. 581-3.2 (items #1 through #8) Add item for 'Proposed Transporting and Trunk Protection Measures'. (For example, Royal Palms always need to have their trunks protected before placing them on a tree bar). Add item for 'Post Installation Maintenance Plan'. 581-5 and 581-6 Disagree with the statement that 'New nursery stock or other material may not be substituted for a dying or dead relocated tree or palm'. The intent of this was to prevent contractors from not even trying to relocate trees as called for in the plans; but if they do an inadequate job of relocating trees and they die, then it would be good incentive to require them to replace them. The Department can even allow a smaller replacement tree than the one that died but they should at least get something. I suggest adding the following language to the end of this sentence, "... except to replace relocated trees that died". (Much more discussion needed on this topic). 581-5 The following sentence should not be revised as suggested; Install relocated trees and palms in their final location within 24 hours of removal performing initial root pruning. Trees should not be dug at all within at least 8 weeks of the initial root pruning. 581-5 At the end of the sentence regarding installing tree protection barrier, add the following, "... as shown or called for in the plans". Tree protection barrier is not always required, especially on projects or in areas without construction impacts. Other times they are not only required but the designer might also want to place them around existing trees to remain, so they should be shown on the plans. 581-6 Suggest adding requirements for quarterly inspections (at least) with the RLA during the establishment period. We are having difficulties getting contractors to maintain relocated trees during this period. 581-8 Overall this basis of payment section is weak, and we are finding there it does not require enough incentive for the Contractor to ensure the work is completed adequately. Also, the deduction formula is overly complicated and should be simplified. Trees can be "successfully relocated" but not properly root pruned or watered, and they still die. Payment should be based on the contract price for each tree instead of 90% of the trees. The RLA should have the ability to require replacement trees if the relocated tree die (for projects that warrant it). If the formula is to remain then at least the percentages should be closer to 50/50 than the current 85/15. We have several large tree relocation projects, and this specification is just

not strong enough to get them to perform this work adequately. We have more ideas on this topic and would welcome the opportunity to discuss them further.

Response:

Melissa Hollis
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Comments: (Industry 6-10-21)

Email comment from Darryl Richard, D1 Landscape Architect: Let's match the latest language that Paul Hiers had recommended. Per 6/7/2021 DLA meeting. Change reference to "Meet the requirements of 987-2.4"

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)

The soil specifications may be project specific shown on plan notes but would be overridden by these Special Provisions.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)

Is the intent to utilize the numbers provided by the Designer in the plans? You don't want the Contractor adding random handwritten numbers on their one set of plans so it should be clear the Contractor is to utilize the numbers provided in the plans.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
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Comments: (Industry 6-11-21)

This is unclear do you want individual photos of each palm or pictures of the material to be relocated that is questionable?

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
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Comments: (Industry 6-11-21)

Clean up this sentence better use of commas and "or FNGLA Certified Contractor.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405

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Comments: (Industry 6-11-21)
Add Proposed fungicide, if applicable as a bullet number

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)
Spec 987 referenced above.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
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Comments: (Industry 6-11-21)
What happens if the contract documents don't address "other material"? Shouldn't the disturbed area be either sodded, mulched, or seeded/mulched? If this is on a sloped area filling the hole with soil does not address potential erosion prevention measures, such as placement of sod. Suggest adding language similar to that in 581-6.2, last sentence "Regrade and sod or mulch the site to match the adjacent condition and grade.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)
Unless new material is being planted in the hole where the relocated material is being removed, the hole should be backfilled with existing soil to help with stabilization.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)
Ananth: "or as approved in the Contractor's Relocation plan".

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)
This needs some rethinking. There are many situations where it makes more sense to remove and replace instead of relocate. This should almost be addressed on a case by case basis. Many things can happen between when the DOR decides to utilize relocation instead of demo. Perhaps a section in the contractor's relocation plan for making an argument why relocation is not in the best interest of The Department. That plan would need to be approved by The Department prior to execution.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
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Comments: (Industry 6-11-21)
or as shown in the plans or approved by the Engineer.

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
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Comments: (Industry 6-11-21)
Trees and palms need to be planted at the proper depth (they could have been planted to high or low before relocation).

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
www.FTBA.com

Comments: (Industry 6-11-21)
Most relocated material is planted away from any construction activities and tree protection barriers are not needed. Suggest "Provide tree protection barriers if relocated material could be impacted by construction activities".

Response:

Ananth Prasad
Florida Transportation Builders' Association, Inc.
w (850) 942-1405
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Comments: (Industry 6-11-21)
There are certain situations where slopes would be better stabilized by flush cutting palm or tree and leaving root ball in place.

Response:
