

# ORIGINATION FORM

## Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

Associated Section(s) Revisions:

Will the proposed revision require changes to:

Publication	Yes	No	Office Staff Contacted
Standard Plans Index			
Traffic Engineering Manual			
FDOT Design Manual			
Construction Project Administration Manual			
Basis of Estimate/Pay Items			
Structures Design Guidelines			
Approved Product List			
Materials Manual			

Will this revision necessitate any of the following:

Design Bulletin

Construction Bulletin

Estimates Bulletin

Materials Bulletin

Are all references to external publications current?

Yes

No

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs?

Yes

No

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.

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**RON DESANTIS**  
**GOVERNOR**

**KEVIN J. THIBAUT, P.E.**  
**SECRETARY**

## **MEMORANDUM**

**DATE:** June 3, 2021  
**TO:** Specification Review Distribution List  
**FROM:** Daniel Strickland, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specification: **SP5810000 TREE AND PALM RELOCATION.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

The changes are proposed by Melissa Hollis to add a reference to the existing soil specification, re-arrange activities to normal order completed, and clarify no separate payment/measurement for incidental work in the Special Provision.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at <http://fdotwp1.dot.state.fl.us/programmanagement/development/industryreview.aspx> . Comments received after **July 1, 2021**, may not be considered. Your input is encouraged.

DS/dh

Attachment

**TREE AND PALM RELOCATION – CONSTRUCTION.**  
(REV ~~1-14-19~~5-11-21) (FA 1-18-19) (7-21)

The following new Section is added after Section 571.

**SECTION 581**  
**TREE AND PALM RELOCATION**

**581-1 Description.**

Remove, relocate, and maintain trees and palms in accordance with the Contract Documents.

**581-2 Materials.**

**581-2.1 Water:** Meet the requirements of Section 983.

**581-2.2 Fertilizer:** Provide fertilizer as shown in the Plans.

**581-2.3 Mulching:** The use of cypress mulch is prohibited.

**581-2.4 Landscape Soil: Meet the requirements of Section 987.**

**581-3 Reporting.**

**581-3.1 Tree and Palm Condition Report:** Submit a Tree and Palm Condition Report at the preconstruction meeting. Document the existing condition of all trees and palms scheduled to be relocated. Include at a minimum:

1. Tree and Palm numbers
2. Description of any damage, disease, scars or infestation
3. Photographs of trees and palms

**581-3.2 Relocation Work Plan:** Provide a Relocation Work Plan prepared by an International Society of Arboriculture (ISA) Certified Arborist, or a Florida Licensed Landscape Architect, for a Certified Landscape Contractor in accordance with the Florida Nursery Growers and Landscape Association (FNGLA). Submit the Relocation Work Plan for approval at least one week prior to performing initial root pruning or initiating tree relocation operations. Include at a minimum:

1. A schedule for all relocation activities, including activities that occur prior to, and post relocation
2. Proposed equipment
3. Palm frond removal, bundling, splinting
4. Root pruning procedures
5. Watering procedures
6. Anti-desiccation measures
7. Proposed fertilizer
8. Sample tree identification tag

**581-4 Worksite Landscape Supervisor.**

Provide a Worksite Landscape Supervisor to directly oversee all tree and palm relocation work. The Worksite Landscape Supervisor must be an ISA Certified Arborist, or a State of Florida Registered Landscape Architect, or a Certified Landscape Technician or Certified Landscape Contractor in accordance with FNGLA. Provide verification at the preconstruction meeting.

**581-5 Relocation Requirements.**

Attach plant identification tags as applicable in a manner that does not impact the health of the tree or palm. Do not use paint. Match the plant numbers indicated on the Plans.

Protect trees and palms from damage.

~~Install tree protection barrier around relocated trees and palms in accordance with Standard Plans Index 110-100.~~

Perform lifting using a tree spade or using nylon-metallic slings wrapped around the trunk.

At the removal location, fill the hole with landscape soil, unless other material is shown in the Contract Documents or approved by the Engineer.

Install relocated trees and palms in their final location within 24 hours of ~~removal~~ performing initial root pruning.

New nursery stock or other material may not be substituted for a relocated tree or palm.

Demonstrate that planting holes are free draining prior to planting. Notify the Engineer of drainage or percolation problems before plant installation.

Plant trees and palms to the same depth at which they were removed.

~~Demonstrate that planting holes are free draining prior to planting. Notify the Engineer of drainage or percolation problems before plant installation.~~

~~Maintain trees and palms in an upright position at all times.~~

~~Remove leaf ties within 14 days of installation.~~

Brace relocated trees and palms in accordance Standard Plans Index 580-001.

~~New nursery stock or other material may not be substituted for a relocated tree or palm.~~

Maintain trees and palms in an upright position at all times.

Install tree protection barrier around relocated trees and palms in accordance with Standard Plans Index 110-100.

Remove leaf ties within 14 days of installation.

**581-6 Post Installation Period Requirements.**

The post installation period is a period of one year from the date of final installation, or until the date of the Engineer's final acceptance of the project, whichever comes first. During the post installation period:

1. Maintain trees and palms to a condition equivalent to the health characteristics in the Tree and Palm Condition Report.

2. Remove dying or dead palms, including the root ball. Cut dying or dead trees flush with the ground surface and remove. Regrade and sod or mulch the site to match the adjacent condition and grade.

3. New nursery stock or other material may not be substituted for a dying or dead relocated tree or palm.

4. Remove bracing at the conclusion of the post installation period unless otherwise directed by the Engineer. Do not allow bracing or straps to damage or become embedded.

**581-7 Method of Measurement.**

The quantities to be paid for will be the number of each item removed, relocated and accepted. Multi-trunk or clustering trees or palms will be measured as a single plant.

No separate measurement or payment will be made for preparing plant materials, filling holes, bracing, or maintenance requirements. Tree Protection barrier will be paid in accordance with Section 110.

**581-8 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section. For each plant successfully relocated, a payment of 85% is due. The remaining 15% is due after successful completion of the post installation period. For each plant that is dead or dying at the end of the post installation period, a 50% deduction in payment will be made if the relocation is in excess of 10% of the contract quantity. To qualify for a deduction, the following formula is used:

$$PD = [D - (0.1 * P)] * 0.5 * C$$

Where: PD = Payment Deduction (dollars)

D = Number of dying or dead relocated plants by pay item

P = Contract quantity of relocated plants by pay item

C = Contract unit price per relocated plant by pay item

If  $[D - (0.1 * P)] \leq$  zero, then no payment deduction will be assessed.

Payment will be made under:

Item No. 581-1- Relocate Trees and Palms – each.