



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.kentucky.gov

**Ernie Fletcher**  
Governor

**Bill Nighbert**  
Acting Secretary

**Marc Williams**  
Commissioner of Highways

March 13, 2007

CALL NO. 100  
CONTRACT ID NO. 071013  
CHANGE # 1

Subject: Jefferson County, IM 264-1 (151) 0  
Letting March 23, 2007

Enclosed is a revised Special Note for Landscaping on the subject project,  
pages 14-18 of 78.

Your bid must be based upon the above-mentioned change and this change is to  
be made a part of the bid proposal, which you submit to the Kentucky  
Department of Highways.

Specimen proposals may not be used for bidding purposes.

If you have any questions, please contact us at (502) 564-3500.

A handwritten signature in black ink, appearing to read "Steve Waddle".

Steve Waddle  
Director  
Division of Construction Procurement

Enclosure  
SW:ks

## SPECIAL NOTE FOR LANDSCAPING

**For this contract, Section 724 of the Standard Specifications for Road and Bridge Construction is considered void and replaced by the following note.**

**1.0 DESCRIPTION.** Furnish and plant trees, shrubs, flowers, seeding and other materials in the areas and in the arrangement specified in the Plans or as the Engineer directs. Dig and prepare beds and planting holes, prune plants, furnish and place backfill, fertilize, mulch, water, brace, and perform all other incidentals required for planting.

For a one growing season period of establishment, care for plants to ensure they become established in a healthy growing condition, replace plants found defective as prescribed, and perform all other incidentals necessary to complete the work as specified in the Contract and as provided in this note.

For a period of 3 years perform trash pickup, fine turf mowing, weeding, trimming, and mulching.

### **2.0 MATERIALS.**

**2.1 Equipment.** Park or store equipment that is idle or not in use, such as during break times, lunch time, or overnight away from the outside shoulder of the roadway in an inconspicuous location behind the guardrail or outside the clear zone as directed by the Engineer.

**2.2 Plants.** Conform to the requirements of the American Standard for Nursery Stock as published by the American Nursery and Landscape Association. Provide 30 calendar days notice before obtaining nursery stock to allow Department personnel to inspect the stock at the source. Do not dig or otherwise prepare the plants in any manner until after they have been inspected by Department personnel and tagged for use on the project; the plants must be inspected in situ (undisturbed in their original beds). Additionally, the Department will inspect all stock at the work site. Obtain the Engineer's approval of the plants before planting. If certain plant species are unavailable, provide a written request for substitution.

**2.3 Mulch.** Use a hardwood mulch product derived from deciduous trees with a particle size less than 3 inches in length that has been aged a minimum of 6 months. Ensure the mulch is free of reprocessed wood, treated lumber, foreign materials, and weed seed.

### **3.0 CONSTRUCTION.**

**3.1 Times Permissible for Planting.** Perform tree and shrub planting between the dates of November 1st and April 1st and flower planting between the dates of October 1st and June 1st. The Department will not allow planting when the temperature is below 35 °F or the ground is frozen. Regardless of the calendar date, plants must be dormant when they are dug at the nursery source and when they arrive at the project site.

**3.2 Transportation.** Transport all plants from the nursery sources to the project site by covered vehicle.

**3.4 Site Layout.** Before digging of planting holes or beds, lay out, by suitable staking and labeling, the location of all planting holes and beds, and obtain the Engineer's approval. Have soils from each area tested and determine what site preparation will be necessary based on the test results and observed physical conditions of the site.

When the Contract specifies planting at locations that will not sustain healthy growth, submit a written request to the Engineer for approval to relocate the plants. If the Engineer cannot find a suitable site to relocate the plants, they will be deleted from the Contract.

**3.5 Site Preparation.** Perform all grading, drainage, pre-emergent spraying, and soil treatment determined necessary during site layout to ensure healthy growth. Conform to the Standard Drawings when applicable.

**3.6 Backfill for Planting.** Plant and backfill according to the plans. When desired, use topsoil from an off-site source. Exclude any soil with significant amounts of rock, shale, or clay material. Dispose of surplus excavation from the planting holes as the Engineer directs. Brace evergreens, flowering trees, and shade trees. The Department will not require bracing on other plants except when the Engineer directs. When bracing is required, brace according to the Standard Drawings.

**3.7 Mulching.** Place mulch around the plants as quickly as possible after planting. Apply it uniformly over the planting area to a depth of 4 inches and to a distance of one foot outside the periphery of the plant hole or planting bed.

Ensure pre-emergent herbicide has been applied to all mulched areas around the landscape plantings, the landscaping beds, and trees.

After the initial mulching, annually apply additional mulch as needed to reestablish the 4-inch depth.

**3.8 Initial Inspection Schedule.** When all planting or distinct portions are complete, notify the Engineer and the Initial Inspection will be made.

**3.9 Period of Establishment.** The Department will require a one growing season period of establishment to follow the completion of the initial planting and for any replacement plantings. A growing season is considered the period between April 1st and September 15th. During this time perform all maintenance items necessary to ensure the plant materials remain in a healthy growing and vigorous condition. These maintenance items include but are not limited to the following: weeding beds, mowing perimeter of beds, watering plants, insect and disease control, pruning, periodic bracing adjustments.

**3.10 Replacement Inspection.** The Department will perform a Replacement Inspection by September 15th, following the initial inspection, to determine if replacement planting is required.

The Department will consider plant materials to be unacceptable when any of the following conditions occur:

- 1) Plants are dead or missing from the planting site.
- 2) Plants that have experienced injury and show obvious signs of damage from drought, sun scald, insects, or disease.
- 3) Dieback of central leader and or lateral branches which disfigures the plant rendering it unacceptable.
- 4) Plants that have been damaged by physical or mechanical injury.

For trees and shrubs, perform replacement plantings when Engineer determines any are unacceptable. For perennials, perform replacement planting when the number of acceptable plants of that species and size falls below 95 percent. Ensure the replacement plantings raise the quantity of acceptable plants of that species and size to 100 percent.

Perform all required replacement planting before April 1st of the following year for trees and shrubs and before June 1st of the following year for flowers. Notify the Engineer when all replacement planting is complete.

The Department will require a one growing season period of establishment to follow the completion of the replacement planting.

**3.11 Removal of Stakes, Tags, and Bracing.** Remove stakes, tags, and bracing materials after the first Replacement Inspection and no later than 18 months after initial planting. Dispose of removed material off of the right-of-way.

**3.12 Restoring Disturbed Areas.** Restore all disturbed areas.

**3.13 Trash Pickup.** Perform trash pickup between the 15th and 21st of each month, or as the Engineer directs. Pickup and remove all trash, refuse, and debris from the mulched and designated fine turf areas, right-of-way fences, roadway ditches, catch basins, areas behind guardrails, medians, and interchanges.

Remove trash and debris that has been collected through the course of a day from the project at the end of each work day and dispose of it off of the rights-of-ways. Remove trash and debris that has been thrown or shredded by mowing operations within 24 hours after the mowing operation has passed.

If pickup is not completed by the 21st, or within 7 calendar days of being directed by the Engineer. The Department will apply a penalty equal to 50 percent of the Contract's liquidated damages rate each day until the pickup is completed.

**3.14 Fine Turf Mowing.** Perform fine turf mowing when the Engineer directs. Coordinate trash pickup so the time between pickup and mowing does not exceed 3 calendar days. Mow all lawn areas and other areas as designated on the plans. Mow the vegetation to a uniform height of 2 to 4 inches. Do not mow areas that have been delineated to allow for the establishment of specialized plantings, such as wildflowers or ornamental grasses.

Perform weeding and trimming operations in conjunction with each cycle of fine turf mowing and complete weeding and trimming operations in conjunction with the completion of each cycle of fine turf mowing. Weed all mulched areas through pulling or spraying. Trim the vegetation around roadside obstacles, such as sign posts, delineator posts, light poles, steel beam guardrail, guardrail posts, guardrail end treatments, headwalls, catch basins, bridge end abutments, landscape plantings, and natural woody vegetation. Trim around landscaped trees, shrubs, planting beds, and the perimeter of groundcover and wildflower areas. When trimming around guardrail entities, trim the area around the guardrail, the guardrail posts, and the guardrail end treatments beginning at the edge of the roadway pavement (edge-line of the driving lane) and extending to a point that is one foot beyond the base of the guardrail post. Trim the vegetation to a uniform height of 2 to 4 inches and conform the trimming height to the mowing height.

Remove vegetative material (biomass) or other debris that was thrown onto the roadway pavement or the shoulder pavement as a result of mowing, trimming, and weeding operations immediately.

If mowing, weeding, or trimming is not completed within 7 calendar days of the date directed by the Engineer, the Department will apply a penalty equal to 50 percent of the Contract's liquidated damages rate each day until the mowing is completed.

Replace all plantings damaged from the mowing, trimming, and weeding operations during following planting season.

#### **4.0 MEASUREMENT.**

**4.1 Site Layout.** The Department will measure all work performed and materials required as part of Site Layout as a Lump Sum.

**4.2 Plants.** The Department will measure the quantity of trees, shrubs, and flowers by each individual unit and seeding by the square yard. The Department will not measure site preparation, bracing, furnishing topsoil, or maintenance for payment and will consider it incidental to the plant.

The Department will measure for payment, at the original unit bid price, replacement plants for plantings that have successfully completed a one growing season period of establishment. Prior to successfully completing a one growing season period of establishment, the Department will not measure replacement planting, including that necessitated by a third party, for payment and will consider it incidental to the plant.

**4.3 Mulching.** The Department will measure the quantity in tons.

**4.4 Trash Pickup.** The Department will measure the quantity by each cycle.

**4.5 Fine Turf Mowing.** The Department will measure the quantity by each cycle. The Department will not measure weeding or trimming for payment and will consider it incidental to fine turf mowing.

**5.0 PAYMENT.**

**5.1 Site Layout.** Do not bid an amount for Site Layout that exceeds 10 percent of the sum of the total amounts bid for all other items, excluding Site Layout, in the Bid Proposal. The Department will automatically adjust any bids in excess of this amount to 10 percent. If any errors in unit bid prices for other Contract items in a Contractor's Bid Proposal are discovered after bid opening and such errors reduce the total amount bid for all other items, excluding Site Layout, so that the percent bid for Site Layout is larger than 10 percent, the Department will adjust the amount bid for Site Layout to 10 percent of the sum of the corrected total bid amounts for all other items in the Bid Proposal

**5.2 Plants.** The Department will make payment for the completed and accepted quantities according to the Warranty Payment Schedule.

When replacement work is not done by its scheduled completion date, the Department will deduct 50 percent of its unit bid price from the payment and require its replacement during the following planting season at no expense to the Department.

Warranty Payment Schedule  
(one growing season)

		<u>Completion Date</u>	<u>Payment</u>
—	Initial Inspection	—	80%
Sept 15	Replacement Inspection	April 1, June 1	20%

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
----	Site Layout	Lump Sum
----	Plants	Each
----	Savannah/Wildflower Seeding	Square Yard
----	Mulching	Ton
----	Trash Pickup	Each
03286	Fine Turf Mowing	Each

The Department will consider payment as full compensation for all work required under this note.

March 5, 2007