



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**  
Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

April 25, 2017

CALL NO. 108  
CONTRACT ID NO. 174002  
ADDENDUM # 1

Subject: Bullitt County, HSIP 5119 (015)  
Letting April 28, 2017

(1)Added - Special Notes - Pages 1-5 of 5

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

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

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:ks  
Enclosures



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## SPECIAL NOTES FOR TREE, STUMP, AND BRUSH REMOVAL

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### I. DESCRIPTION

All work shall be performed in accordance with the Department's current Standard Specifications for Road and Bridge Construction and applicable Special Provisions except as hereafter specified. Article references are to the Standard Specifications. This work shall consist of furnishing all equipment, labor, materials, and incidentals for the following:

(1) Site Preparation; (2) Maintaining and controlling traffic; (3) Temporary erosion control and temporary pollution control; (4) Cutting, trimming, and/or removing trees, stumps, and/or brush as specified or directed by the Project Engineer; (5) Treating all cut stumps required by Project Engineer to prevent re-sprouting; (5) Clean up and disposal of waste; (6) Final dressing and seeding and protection; and (7) all other work specified in the Contract.

### II. MATERIALS

All materials shall be sampled and tested in accordance with the Department's Sampling Manual and the materials shall be available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing unless otherwise specified in these Notes.

**A. Maintain and Control Traffic.** See the Traffic Control Plan.

**B. Seeding and Protection.** Use applicable Seed Mixture as specified per Section 212.03.03.

### III. CONSTRUCTION METHODS

**A. Maintain and Control Traffic.** See the Traffic Control Plan.

**B. Cutting, Trimming, and/or Removing Trees, Stumps, and/or Brush.** The Contractor shall cut trees and/or bushes as close to the ground as possible; three inches (3") or less from ground line. The tree trimming listed in the Tree Trimming Summary shall be cleared as shown on the Tree Trimming Detail, or as directed by the Engineer. Grinding of all tree stumps within the mowing zone shall be required as directed by the Engineer. All stumps that are designated to be treated by mechanical grinding shall be removed to a minimum depth of four (4) inches below the surrounding grade line. Treat, within one hour of cutting, all stumps with the specified herbicide solution. Replace and level any and all soil disturbed during these operations. Leave the soil in a condition suitable for seeding that is level with surrounding soil grade, with no holes or indentions to catch water or present unsafe mowing conditions. This work will be incidental to the bid items "Remove Trees or Stumps" and "Trim and Remove Trees and Brush."

NOTE: Tree cutting restrictions apply. Trees that are five (5) inches or greater (diameter

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at breast height) shall NOT be cut or trimmed between June 1<sup>st</sup> and July 31<sup>st</sup>. See the Special Note for Completion Dates & Liquidated Damages concerning damages if trees and/or bushes are cut outside of the specified time frame.

**C. Removal of Tree, Stump, and Brush Debris.** The Contactor will need to obtain consent and release for work on trees and bushes overhanging the designated work area from adjacent private property, when necessary. The Contractor will remove all debris and biomass from the trimming and/or removal of trees, stumps, and/or brush from the work site and dispose of such off the right-of-way in accordance with local, state, and federal solid waste laws and regulations. Cleanup and remove all existing down trees and brush located within the designated areas. At the discretion of the Project Engineer, the contractor may be permitted to chip and blow biomass onto non-mowing zones. Chips shall not be blown onto areas that would potentially restrict the flow of water in drainage ditches. All un-chipped biomass must be removed from roadway rights-of-ways.

The Contractor shall keep the work zone free of accumulated waste material and debris at all times. Remove and dispose of all tree, stump, and brush chips off the rights-of-ways. Remove and dispose of all debris and waste material off the rights-of-ways as work is completed and at the end of each workday. Remove desirable wood pieces from the rights-of-ways at the end of each workday. Stockpile trees and brush off the rights-of-ways. At the discretion of the Project Engineer, the Contractor may be permitted to stockpile trees and brush at approved locations along the rights-of-ways.

The Contractor shall immediately correct any disturbance to all drainage features and structures caused by the Contractor’s work.

**D. Stump Treatment.** Within one hour of cutting, the Contractor shall apply a stump treatment mix consisting of fifty percent (50%) Glyphosate (EPA Reg. No. 524-579) with water and add twelve (12) ounces of Imazapyr (EPA Reg. No. 241-431), as specified, per gallon of solution. The addition of a non-ionic surfactant 5% (v/v) shall be added to the solution to increase uptake of the herbicide solution into the root system. Generic formulations are not acceptable. Mix the herbicide solution in the presence of the Inspector. Include a color indicator in the herbicide solution to mark the treated stumps. Spray or paint the herbicide solution onto all cut stumps within one hour after cutting. Apply the herbicide solution in a manner to avoid drift onto surrounding vegetative ground cover. Stumps in the mowing zone, designated for mechanical grinding treatment, need not receive the herbicide treatment.

Provide herbicide material for the treatment of cut stumps meeting the following criteria:

**1. Glyphosate**

Active ingredient: **(Glyphosate)**

\*Glyphosate, N-(phosphonomethyl)glycine, in the form of its  
potassium salt..... 48.7%

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Inert ingredients .....	51.3%
Total .....	100.0%

\* Contains 660 grams per liter or 5.5 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its potassium salt. Equivalent to 540 grams per liter or 4.5 pounds per U.S. gallon of the acid, glyphosate.  
EPA Reg. No. 524-579

**2. Imazapyr**

Active ingredient: **(Imazapyr)**

*Isopropylamine salt of Imazapyr 2-[4,5-dihydro-4-methyl-4-(1methylethyl)-5oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid) .....	26.7%
Inert ingredients .....	73.3%
Total .....	100%

\* Equivalent to 21.8 percent 2-[4,5-dihydro-4-methyl-4-(1methylethyl)-5oxo-1H-imidazolyl]-3-pyridinecarboxylic acid or 2 pounds acid per gallon.  
EPA Reg. No. 241-431

KRS 217B requires that any individual who applies pesticides to Kentucky Highway Right-of-Way areas must be certified as a Pesticide Applicator under Category 6 guidelines. Comply with all current laws and regulations established by the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and by KRS 217B that regulate the handling, use, and application of pesticides.

**E. Property Damage.** The Contractor will be responsible for all damage to public and/or private property resulting from his work.

**F. Coordination with Utility Companies.** NOTICE: Utility locations are not shown in the proposal for this project and have not been located by the Department. Locate all underground, above ground and overhead utilities prior to beginning construction. The Contractor shall have the responsibility for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Utility Owner while they relocate their facilities. The Contractor shall be responsible for repairing all utility damage that occurs as a result of his operations.

**G. Right-of-Way Limits.** The exact limits of the Right-of-Way have not been established by the Department. The Contractor shall limit his activities to obvious Right-of-Way, permanent or temporary easements, and any work areas secured by consent and release of the adjacent property owners. The Contractor shall be responsible for all encroachments

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onto private lands.

- H. Disposal of Waste.** Dispose of all removed debris by the end of work day, and other waste as per Section 204.03.08. The Department will incur no cost to obtain the disposal sites. The Department will NOT make direct payment for disposal of waste and debris from the project.
- I. Final Dressing, Seeding and Protection, and Clean Up.** Apply final dressing, class A to all disturbed areas, both on and off the Right-of-Way. Sow all disturbed earthen areas with the appropriate Seed Mixture as specified in Section 212.03.03. The Department will NOT make direct payment for final dressing, seeding and protection, and clean up.

**IV. METHOD OF MEASUREMENT**

- A. Maintain and Control Traffic.** Maintain and Control Traffic will be measured as Lump Sum.
- B. Site preparation.** Site preparation will not be measured for payment but shall be incidental to the bid items "Remove Trees or Stumps" and "Trim & Remove Trees & Brush".
- C. Remove Trees or Stumps.** The Department will measure the quantity as each tree or stump removed. Trees or stumps to be removed under this bid item will be determined by the Engineer.
- D. Trim & Remove Trees & Brush.** The Department will measure the quantity as per linear foot per side of highway. See the Tree Trimming Detail for the horizontal and vertical trimming dimensions. The horizontal width is taken from the edge of the pavement measured perpendicular to the roadway but not to extend beyond the Right-of-Way or as directed by the Engineer.
- E. Seeding and Protection, Temporary Erosion Control, Temporary Pollution Control, Waste Disposal.** The Department will NOT measure for payment the operations shown here. These include Seeding and Protection, Temporary Erosion Control, Temporary Pollution Control, and Waste Disposal. These activities shall be incidental to the bid items "Remove Trees or Stumps" and "Trim & Remove Trees & Brush".

**V. BASIS OF PAYMENT**

- A. Maintain and Control Traffic.** The Department will pay the quantity as Lump Sum.
- B. Remove Trees or Stumps.** The Department will make payment for the completed and accepted quantities of each tree or stump removed. (NOTE: Any trees and/or bushes that

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are cut or trimmed between June 1<sup>st</sup> and July 31<sup>st</sup> will NOT receive payment at the contract unit price.) The Department will consider payment at the contract unit price as full compensation for furnishing all materials, equipment, labor, other expenses, and all incidentals necessary to complete this work to remove the trees and/or stumps.

- C. Trim & Remove Trees & Brush.** The Department will make payment for the completed and accepted quantities per linear foot. (NOTE: Any trees and/or bushes that are cut or trimmed between June 1<sup>st</sup> and July 31<sup>st</sup> will NOT receive payment at the contract unit price.) The Department will consider payment at the contract unit price as full compensation for furnishing all materials, equipment, labor, other expenses, and all incidentals necessary to complete this work to trim and remove trees and/or brush.