

PUTNAM COUNTY ENGINEER

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Ditch Maintenance Spraying General Specifications

Scope: The contractor shall furnish all of the necessary materials, labor, equipment, and insurance to apply a herbicide solution to control unwanted brush and broadleaf vegetation existing on ditches as indicated on the attached list of locations.

Method of Payment: The payment will be made after the completion of herbicide application or upon final approval of the county engineer. The Contractor will be paid on a per Linear foot basis. The contractor will be responsible to keep a cost associated with spraying each ditch separate and to invoice each ditch accordingly.

Area to be Treated: The contractor shall be responsible for spraying All designated ditch banks and any additional maintenance easements associated with these ditches. The contractor shall be limited to ten feet in width from the top of the ditch bank as a work area throughout the length of the open ditch. The Linear feet of the ditch to be sprayed is approximate, and shall be used for estimating purposes only.

Method of Treatment: All of the listed ditches shall be treated with a one spray application, to insure maximum coverage of broadleaf weeds and unwanted woody plants and vegetation. The spray shall be a continuous application to provide an even coverage of the approved herbicide. A 90% kill rate of both broadleaf weeds and unwanted woody plants will be required by the contractor, prior to the final approval by the county engineer. If the contractor doesn't obtain a 90% kill rate they shall respray the ditch at their own expense until the 90% kill rate is achieved.

Time of Application: For broadleaf vegetation the application of the herbicide is to be made between full leaf expansion and July 31 . The period of application for cattails will be after plumes develop and July 31. The completion dates are weather permitting. All work performed on this contract shall be during normal daylight hours. The Contractor needs to give the County Engineer a week in advanced notice to when he or she is going to start, so it will allow for a newspaper article to be sent out to the public.

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Application Material : You must follow the manufactures specifications for the correct rate of application. The chemicals to be used for the control of broadleaf weeds, brush and cattails are the contractors responsibility to choose what he or she thinks will get them a 90% kill rate. All the chemicals need to be approved for aquatic use. Rate of application shall vary with the density of brush to be treated, while maintaining a consistent broadcast spray over the ditch bank and berm target area.

Equipment: The contractor shall furnish, operate, and properly maintain suitable and adequate equipment necessary for the performance of this contract. **The spray vehicle(s) shall be equipped to apply a broadcast treatment, and include a handgun and hose reel.** All spray equipment shall have controlled and flexible pressure regulation capacity capable of adjusting to each technique of application in order to insure adequate coverage of target vegetation and minimize the risk of over spray and off-site drift. In addition, the contractor shall have the right to utilize a backpack sprayer application and techniques, if necessary, to perform indicated work.

Experience and License Requirements: The contractor must be licensed by the State of Ohio for work of this nature. The bidder must also furnish a copy of his Ohio Custom Applicator's License, upon demand, issued by the Ohio Department of Agriculture.

Liability and Insurance : The contractor shall at all times exercise extreme care to prevent damage to residential plantings, vegetable and flower gardens, desirable trees, and any susceptible farm crops adjacent to the open ditch. If a problem arises, the contractor shall repair or pay for the repair of any damage to the indemnified parties' property caused by the contractor or its employees, invitees or agents. The contractor shall have the right to shut off spray at any time that he feels the application may cause damage. The contractor must be able to furnish satisfactory evidence of automobile and general liability insurance coverage in an amount of no less than **One Million Dollars (1,000,000.00)**, to insure adequate payment for any damages caused directly by the spraying operations or because of accidents occurring with the equipment and/or operators. The contractor and surety shall save harmless Putnam County, including The Board of County Commissioners and the County Engineer's office from all suits, actions, or claims of any character brought on account of any injuries or damages sustained by any person or property. This shall include any consequences due to any neglect in safeguarding the work, or through the use of unacceptable materials in the spraying of the open ditches, or on account of any act or omission by the contractor or his/her agents.

To be considered a valid quote, the contractor must submit a copy of the application license to be used, a copy of the proof of insurance, and documentation on the chemicals to be used along with the completed quote by the submission deadline.