



FRANKLIN COUNTY
PURCHASING DEPARTMENT
REQUEST FOR BID (RFB) COVER PAGE

RFB NO: 202012

TITLE: Cutting Blades

Solicitation Schedule & Deadlines:

October 30, 2019	Solicitation Release/Advertising Date
November 6, 2019 2PM	Deadline for Submitting Questions
November 8, 2019 4:30PM	Deadline to post Addendum
November 19, 2019 2PM	Deadline to Submit Response
November 19, 2019 2:30PM	Opening Date I Time

Responses must be received no later than "Deadline to Submit Response"

November 19, 2019 2PM

Ann Struttmann, Purchasing Agent

Shakara Bray, Assistant Purchasing Agent

Phone: 636-584-6274 Email: purchasing@franklinmo.net

Submittal Instructions: Print this Packet in its entirety and complete all pages per instructions. Print the SEALED RESPONSE LABEL found in Attachment 1 of this packet and attach to the front of your envelope.

Company Name: _____

SUBMISSION CHECKLIST

_____ I have reviewed the bid schedule and deadlines, located on the solicitation cover page

_____ I have read ALL Terms and Conditions and Bid documents closely

(Located at www.franklinmo.org)

THE ITEMS LISTED BELOW ARE THE REQUIRED DOCUMENTATION FOR SUBMITTING A RESPONSE

USE THESE FORMS ONLY

_____ Solicitation Cover page

_____ Contractual Terms and Conditions Acknowledgement

_____ Pricing Form completed and signed

_____ I have one original and two copies that are labeled accordingly

_____ I have included contact information

_____ I have included the COI as requested

_____ Envelope is sealed and label attached

_____ Affidavit for Work Authorization is completed and Notarized

SPECIFIC REQUIREMENTS

1. Contractor must be able to provide Cutting Blades to the requesting departments, which meet or exceed the specifications contained in this document.
2. Unit prices for cutting blades shall include all costs associated with loading and hauling. The unloading areas shall be the East District Shop at 1360 Riverview Drive, Union, MO 63084.
3. Steel Blades -When sampled and tested in accordance with the designated methods set forth in ASTM E 30, the following chemical requirements shall apply.

<u>Motor Grader and Snow Plow Blades</u>	<u>Min</u>	<u>Max</u>
Carbon (C), Percent, (Direct Combustion Method)	0.75	0.98
Manganese (Mn), Percent, (Bismuthate Method)	0.60	0.90
Phosphorus (P), Percent, (Alkalimetric Method)	---	0.04
Sulfur (S), Percent, (Evolution Method)	---	0.05
Silicon (Si), Percent, (Sulfuric Acid Method)	---	0.30

The Brinell Hardness, (ASTM E10) shall be a minimum of 250 and a maximum of 325.

4. Carbide tip blades -constructed from flat steel ¾" x 6" material meeting A-36, M1020 Specifications, and these specifications.
 - a. One-inch (nominal) tungsten carbide inserts shall be brazed into a milled slot in the center of the blade edge. Inserts shall be continuous the full length of the blade. All inserts shall be manufactured from virgin material.
 - b. Brazing shall be on all sides of insert, without voids and shall have a shear strength of not less than 30,000 p.m.
 - c. The tungsten carbide inserts shall have the following properties:

*Cobalt content	10 to 12.5%
*Density	14.1 to 14.6
*Hardness (Rockwell "A")	87.5 to 89.0
*Transverse Rupture Strength	350,000 p.s.i. (minimum)
5. Moldboards are punched with holes 1/8 inch larger than the blade bolts. Accordingly, cutting blade punching will be of such accuracy, both for the spacing between the holes and for the spacing between the end hole and the end of the cutting blade, that the cutting blade will fit the moldboards, thus making the cutting blade sections interchangeable.
6. Motor Grader Cutting Blades are to be flat, top edge beveled to fit the moldboard, lower and both ends square. Snow Plow Cutting Blades do not require beveling on the top end and should be square. The following dimensions and tolerances shall apply.

Width As specified on the bid sheet +/- 1/8 inch

Length As specified on the bid sheet +/- 1/8inch

Thickness As specified on the bid sheet +/- 1/16 inch

7. Contractor must adhere to hole spacing and dimensions outlined in Special Provision, Attachment 2.
8. Required Certification information is outlined in Attachment 3.
9. Required Certification form is located in Attachment 4.
10. Contractor must be able to provide service to all locations/departments necessary. Normal business hours are Monday through Friday 8:00 a.m. – 4:30 a.m. (CST). However, these times must be verified with the requesting department. County observed holidays will be provided upon request.

The contents of this section include mandatory requirements that will be required of the successful bidder and subsequent contractor. The offeror is requested to provide responses to the requirements/desired attributes in this section pursuant to the directions identified herein. The offeror's response, whether responding to a mandatory requirement or a desired attribute, shall be binding in the event the bid is accepted by Franklin County. The offeror must provide all costs necessary to meet the mandatory requirements and the fulfillment of any desirable attributes in the appropriate section titled Pricing.

INSURANCE REQUIREMENTS

1. The Contractor shall furnish County with a certificate of insurance indicating proof of the following insurance from company's license in the State of Missouri:
 - A. Worker's Compensation and Employers' Liability: Worker's Compensation Statutory in compliance with the Compensation law of the State and Employers' Liability Insurance with a limit no less than \$1,000,000.00 each accident.
 - B. Comprehensive or Commercial General Liability with a minimum limit of \$1,000,000.00 per occurrence, \$3,000,000.00 aggregate combined Single Limit for Bodily Injury and Property Damage Liability. This insurance shall include, but not be limited to, the following coverage.
 1. Premises – Operations
 2. Products and Completed Operations
 3. Broad Form Property Damage
 4. Contractual
 5. Personal Injury
 - C. Automobile Liability with a minimum limit of \$1,000,000.00 per occurrence, \$3,000,000.00 aggregate Combined Single Limit for Bodily Injury and Property Damage Liability. This insurance shall include coverage for all the following:
 1. Owned Automobiles
 2. Hired Automobiles
 3. Non-Owned Automobiles
 - D. The certificate shall list the Certificate Holder and Address as follows: Franklin County, 400 E Locust Street, Room 206, Union, Mo 63084. The services provided to Franklin County shall be listed under "Description of Operations."
 - E. Such insurance shall include under the General Liability and Automobile Liability policies Franklin County, its employees, elected officials, representatives, and members of its board and/or commissioners as "Additional Insured's".
2. The Agreement of Insurance shall provide for notice to the County of amendment or cancellation of insurance policies 30 days before such amendment or cancellation is to take effect.

ADDITIONAL REQUIREMENTS

1. E-Verify

Completion of Affidavit of Work Authorization and provide acceptable documentation of enrollment in the program.

2. Employment of Unauthorized Aliens Prohibited

a.) Vendor agrees to comply with Missouri Revised Statute Section 285.530.1 in that it shall not knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the State of Missouri.

b.) As a condition for the award of this contract, the Vendor shall, by sworn affidavit and provision of documentation, affirm its enrollment and participation in a federal work authorization program with respect to the employees working in connection with the contracted services. The Vendor shall also sign an affidavit affirming that it does not knowingly employ any person who is an unauthorized alien in connection with the contracted services.

c.) Vendor shall require each subcontractor to affirmatively state in its contract with Vendor that the subcontractor shall not knowingly employ, hire for employment or continue to employ an unauthorized alien to perform work within the State of Missouri and shall not henceforth do so. Alternatively, Vendor shall require each subcontractor to provide Contractor with a sworn affidavit under penalty of perjury attesting to the fact that the subcontractor's employees are lawfully present in the United States.

The contents of this section include mandatory requirements that will be required of the successful bidder and subsequent contractor. The offeror is requested to provide responses to the requirements/desired attributes in this section pursuant to the directions identified herein. The offeror's response, whether responding to a mandatory requirement or a desired attribute, shall be binding in the event the bid is accepted by Franklin County. The offeror must provide all costs necessary to meet the mandatory requirements and the fulfillment of any desirable attributes in the appropriate section titled Pricing.

CONTRACTUAL TERMS AND CONDITIONS ACKNOWLEDGEMENT

The undersigned Vendor/Contractor has read, understood, and accepted the Terms and Conditions as published on the Franklin County Official Website located at:

<http://www.franklinmo.org>

All terms and conditions as stated shall be adhered to by Vendor/Contractor upon acceptance of contract. Vendor/Contractor enters into this agreement voluntarily, with full knowledge of its effect.

Vendor/Contractor Signature

Date

Vendor/Contractor Name and Title

AFFIDAVIT OF WORK AUTHORIZATION

(Continued)

CURRENT BUSINESS ENTITY STATUS

I certify that _____ (Business Entity Name) **MEETS** the definition of a business entity as defined in section 285.525, RSMo pertaining to section 285.530, RSMo as stated above.

Authorized Business Entity Representative's Name (Please Print)	Authorized Business Entity Representative's Signature
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Business Entity Name	Date
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As a business entity, the grantee, sub grantee, contractor, or subcontractor must perform/provide the following. The grantee, sub grantee, contractor, or subcontractor shall check each to verify completion/submission:

- Enroll and participate in the E-Verify Federal Work Authorization Program (Website: <http://www.dhs.gov/e-verify>; Phone: 888-464-4218 Email: e-verify@dhs.gov) with respect to the employees hired after enrollment in the program who are proposed to work in connection with the services required herein;

AND

- Provide documentation affirming said company's/individual's enrollment and participation in the E-Verify Federal Work Authorization Program. Documentation shall include a page from the E-Verify Memorandum of Understanding (MOU) listing the grantee's, subgrantee's, contractor's, or subcontractor's name and the MOU signature page completed and signed, at minimum, by the grantee, subgrantee, contractor, or subcontractor and the Department of Homeland Security – Verification Division; (if the signature page of the MOU lists the grantee's, subgrantee's, contractor's, or subcontractor's name, then no additional pages of the MOU must be submitted).

PRICING FORM

202012 Cutting Blades

REQUIRED PRICING

The bidder shall complete the following pricing form and provide firm, fixed pricing necessary to meet the mandatory requirements of the solicitation.

All invoices must reflect discounts applied to final order.

Item	Unit	Unit Price
Motor Grader Steel Cutting Blades 6' x 6" x 5/8"	Each	
Snow Plow Steel Cutting Blades 8'6 x 6" x 1/2"	Each	
Snow Plow Steel Cutting Blades 9' x 8" x 1/2"	Each	
Snow Plow Steel Cutting Blades 10' x 8" x 1/2"	Each	
Carbide Tip Blades 4' x 6" x 3/4"	Each	
Carbide Tip 3' x 8" x 3/4"	Each	
Carbide Tip Blades 4' x 8" x 3/4"	Each	
Carbide Tip Blades 3' x 6" x 3/4"		

Company Name _____

Authorized Signature _____

Printed name and title _____

Franklin County reserves the right to request supporting documentation for the proposed pricing. In addition, it may be necessary to evaluate the bidder's expertise and experience in order to award a bid. Franklin County reserves the right to request reference information and/or proof of expertise if necessary.

VENDOR INFORMATION

Company Name _____

Mailing Address _____

Phone number _____

Contact Name _____

Contact Name Title _____

Email Address _____

ATTACHMENT 1

SEALED RESPONSE LABEL

PLEASE ATTACH LABEL TO OUTSIDE OF PACKAGE

SEALED BID RESPONSE ENCLOSED

DELIVER TO:

Purchasing Department
400 East Locust St, Rm 004
Union, MO 63084

SOLICITATION # 202012 DATE: November 19, 2019 2PM

DESCRIPTION: Cutting Blades

Vendor Name: _____

Vendor Address: _____

ATTACHMENT 2

SPECIAL PROVISIONS

The cutting blades are to have hole spacings and dimensions in accordance with the standard cutting blade punchings as shown on Table A.

Table A

Cutting Blade Size	Hole Punched From Top Edge (In)	Bolt Holes Center Measured From End (In)	Bolt Size (In)
6' x 6" x 5/8"	1	3, 6, 18, 30, 42, 54, 66, 69	5/8
8'6" x 6" x 1/2"	1	2-1/2", 18-1/2", 31-1/2", 44-1/2", 57-1/2", 70-1/2", 83-1/2", 99-1/2"	1/2
9' x 8" x 1/2"	4	1-3/4", 4-3/4", 11-3/4", 23-3/4", 39, 54, 69, 84, 96, 103, 106	3/4
10' x 8" x 1/2"	1	3, 6, 18, 30, 42, 54, 66, 78, 90, 102, 114, 117	5/8

The finished cutting blades shall not be twisted and shall be free from flaws and injurious defects and shall have good workmanlike finish. Longitudinal warp is allowed but shall not deviate more than 1/8 inch per foot of the cutting blade length and shall be uniformly distributed over the length of the cutting blade. For a 6 foot long cutting blade a 3/4-inch warp would be allowed. The cutting blade that rests upon the pavement shall be straight and true. The longitudinal warp and the alignment of the cutting blade shall be measured by extending a straight edge from one end of the cutting blade to the other measuring from the straight edge to the cutting blade at the midpoint of length.

Any paint used to coat the cutting blades shall be dry prior to shipment and shall not smear or track during handling.

ATTACHMENT 3

Certification Information

Prior to approval and use of any material delivered, the manufacturer shall submit to
Franklin County Highway Department
400 East Locust Street, Room 003A,
Union, MO 63084

a certification that the cutting blades supplied conform to all requirements of these specifications.

The “Certification Statement” form enclosed is to be used when certifying and bidding. The certification shall include or have attached specific results of tests performed on the cutting blades for chemical composition and hardness. The certification statement shall be submitted to the Franklin County Purchasing Department along with bid submission.

This form is to be completed, signed, and submitted in triplicate for each shipment, at the same time as blades are shipped. A shipment is defined as all blades represented on one certification and shipped on one date, regardless of various destinations.

Franklin County, at its own expense, reserves the right to sample any material, for the purpose of having an independent laboratory test of the material for conformance to specifications. Product that does not meet specifications will cause all of the shipments to be returned at the bidder’s expense.

Acceptance of the cutting blades shall be based on the manufacturer’s certification and upon results of such tests as may be performed on samples of the material.

ATTACHMENT 4

FRANKLIN COUNTY CUTTING BLADE CERTIFICATION

Dear Sir or Madam:

We hereby certify that the cutting blades described below comply with all requirements of Franklin County Cutting Blades Specifications.

The following blades manufactured by _____
are covered by this certification.

Destination: _____ Shipping Date: _____

Quantity of Material Represented: _____

Steel Chemical Composition

Percent C _____

Percent Mn _____

Percent P _____

Percent S _____

Percent Si _____

Brindell Hardness _____

Carbide Chemical Composition

Cobalt Content _____

Density _____

Hardness (Rockwell "A") _____

Transverse Rupture Strength _____

Certified By: _____

Signed: _____

Title: _____

Date: _____