



**BIDDER:** \_\_\_\_\_

**PROJECT NAME:** Turnkey Rigging/Installation Services for New Mills and Lathes for CNC Lab

**PROJECT NUMBER:** 02-19-002

**QUOTES DUE:** Friday, March 8, 2019 at 2:00 p.m. Central

**RETURN QUOTES TO:** [Purchasing@waubonsee.edu](mailto:Purchasing@waubonsee.edu)

*Quotes received after the date and time specified in this RFQ will not be considered.*

**PREPROPOSAL MEETING: Friday, March 1, 2019 at 2:00 p.m. Central in Akerlow Hall, Room 107, Sugar Grove Campus**

*Meeting is recommended to view location and requirements for installation and removal of old equipment.*

**All correspondence or questions concerning this RFQ should be addressed to [purchasing@waubonsee.edu](mailto:purchasing@waubonsee.edu).**

**To Be Returned with RFQ**

- ☐ QUOTE FORM
- ☐ AUTHORIZATION PAGE
- ☐ CERTIFICATIONS
- ☐ CONFLICT OF INTEREST DISCLOSURE AND NON-COLLUSION FORM
- ☐ STATE OF ILLINOIS BUSINESS ENTERPRISE INFORMATION FORM
- ☐ REFERENCES

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## COLLEGE OVERVIEW

Waubonsee Community College (WCC), located forty-five miles west of Chicago, Illinois, has served more than 300,000 students since its inception. As one of 48 public community colleges in the Illinois Community College System, WCC is governed by a board of trustees composed of seven community members elected from the district at large and a student trustee selected by the student body. WCC serves 22 municipalities, 12 public high school districts and nine private high schools in a five-county, 600-square-mile district. In order to proactively address student and community needs, WCC has cultivated a learning-centered culture that values, and an infrastructure that advances, continuous quality improvement.

### Campus Locations

#### Main Campus

Waubonsee Community College Sugar Grove, Rte. 47 at Waubonsee Drive, Sugar Grove, Illinois 60554

#### Extension Campuses

Waubonsee Community College Plano Campus, 100 Waubonsee Drive, Plano, Illinois 60545

Waubonsee Community College Aurora Downtown Campus, 18 South River St. Aurora, Illinois, 60506

Waubonsee Community College Fox Valley Campus, 2060 Ogden Ave, Aurora, Illinois 60504

## GENERAL REQUIREMENTS

### Summary

Waubonsee Community College (WCC) seeks quotes from qualified Contractors to provide turnkey rigging and installation services for four (4) new Mills and two (2) new Lathes for the CNC Lab. Removal and disposal of old equipment is also to be included in the turnkey services. All electrical and plumbing work to be provided by awarded installer. Contractor will receive new equipment from college's equipment provider, and will deliver new equipment to the Sugar Grove Campus.

### Schedule

- |                                       |   |
|---------------------------------------|---|
| • Release Date                        | Tuesday, February 19, 2019                    |
| • Preproposal Meeting                 | Friday, March 1, 2019 at 2:00 p.m. in AKL 107 |
| • Last Day for Submittal of Questions | Wednesday, March 6, 2019                      |
| • Quotes Due                          | Friday, March 8, 2019 by 2:00 p.m.            |

### Information

1. All prices must be good for a period of ninety (90) days from the date of opening.

**REQUEST FOR QUOTE (RFQ)**  
**02-19-002 Turnkey Rigging/Installation Services of Mills and Lathes for CNC Lab**  
**March 8, 2019 at 2:00 p.m.**

2. The award of the contract will be made within ninety (90) days after the due date to the lowest responsive and responsible proposer whose quote complies with all requirements prescribed herein.
3. All late Quotes will be rejected.
4. The price quoted is the full purchase price, including all material and labor to provide delivery to destination, rigging expenses, balancing provisions no matter what the cause for imbalance, and includes all transportation and handling charges, premiums on bonds, material or service costs, patent royalties and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period. List all costs individually on a separate sheet.
5. The college reserves the right to award this project to one vendor or split the award based on the best interests of the college.
6. The college reserves the right to reject or accept any or all responses, to extend the quoting period, to waive technicalities in the documents or requote prior to award of the Contract.
7. The college will issue a purchase order. Invoices will be paid monthly for work completed. The college's payment terms are net 30 days.
8. The Prevailing Wage Act requires contractors and subcontractors to pay laborers, workers and mechanics employed on PUBLIC WORKS construction projects no less than the general prevailing rate of wages (consisting of hourly cash wages plus fringe benefits) for work of a similar character in the county where the work is performed.
9. Waubonsee Community College encourage the participation of qualified businesses owned by minorities, females and persons with disabilities in contracts the college awards. This policy shall be furthered by complying with the Business Enterprise for Minorities, Females and Persons with Disabilities Act, 30 ILCS 575/0.01 et seq. and by cooperating with the Illinois Business Enterprise Council.
10. WCC belongs to the following consortiums and Group Purchasing Organizations: E&I (Educational and Institutional Cooperative Purchasing); Sourcewell, US Communities; TCPN/National IPA; Midwest Higher Education Compact Consortium, and the Illinois Public Higher Education Cooperative. If you have pricing agreements with any of these organizations, pricing should minimally reflect these discounts. The college expects to be provided with the best available pricing.
11. All bid responses will become the property of Waubonsee Community College. All materials received or created by the college are considered **public records** and subject to disclosure to third parties in accordance with the Freedom of Information Act (FOIA). These records include but are not limited to bid or proposal submittals, agreement documents, contract work product, or other information submitted by a vendor to the college.
  - a. If the Respondent requests that the college withhold their trade secrets, commercial information or financial information from disclosure to a third party in response to a FOIA request, the Respondent must include in its submittal:
    - i. A written notification specifically identifying such information
    - ii. A statement that disclosure of such information will cause competitive harm to

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the Respondent

- b. Any content not so marked by the Respondent at the time of submittal will be presumed to be open to public inspection

## Instructions

1. Email your quote to [purchasing@waubonsee.edu](mailto:purchasing@waubonsee.edu).
2. Quotes submitted must include all pages noted on the cover page of this bid document including, but not necessarily limited to, a completed Bid Form, Certification page, Authorization Page, Conflict of Interest and Non-collusion Form, and References.
3. Certifications: Contractor must be certified by all IL State and OSHA requirements for rigging and transportation of this equipment. Attach all relevant documents with your bid.
4. Experience: Contractor must have at least (5) five years' experience moving projects in the industrial trade.
5. References: Provide references for at least three (3) industrial trade moves, completed within the last five (5) years, of similar size and complexity.
6. Contractor must meet insurance requirements set forth by the college.
7. Contractor must be able to provide the college with a certificate of insurance naming equipment and college as additional insured for new equipment to be stored at Contractor's location until installation is complete.
8. **All correspondence or questions concerning the IFB should be addressed to [purchasing@waubonsee.edu](mailto:purchasing@waubonsee.edu).** All questions must be submitted in writing and will be responded to by addendum. Do not expect an immediate answer. Include your email address and/or fax number for any necessary communication.

## SCOPE OF WORK

### Summary

Waubonsee Community College (WCC) seeks quotes from qualified Contractors to provide turnkey rigging and installation services for four (4) new Mills and two (2) new Lathes for the CNC Lab. Removal and disposal of old equipment is also to be included in the turnkey services. All electrical and plumbing work to be provided by awarded installer. Contractor will receive new equipment from college's equipment provider, and will deliver new equipment to the Sugar Grove Campus.

### General

1. Delivery and installation will be to Waubonsee Community College, Sugar Grove Campus.
2. Estimated installation is April 2019. Note, this date may change due to class schedules and receipt of new equipment.
3. It is the college's intention to remove/dispose of four (4) mills and two (2) lathes.
4. Old equipment to be disposed of in a legal manner by the awarded rigger.
5. Rigger to identify on quote any credit to be received by the college for the old equipment.

6. A site visit is highly recommended. Your failure to attend will not relieve the Contractor from responsibility for estimating properly the difficulty and cost of successfully performing the work, or for proceeding to successfully perform the work without additional expense to the college.
7. Contact Pete Adams, Project Manager, 630-466-2912 to set up a site visit.
8. Included in this RFQ is a layout of the old equipment to be removed for installation of the new equipment.

### Subcontractors

1. Identify any work to be subcontracted and provide company name, contact information and purpose.
  - a. Waubensee Community College reserves the right to reject any subcontractor.

### Equipment / Material

1. It is the college's intention to purchase two (2) Webb, Model WB1440 lathes with two (2) ACU-RITE DRO's, three (3) additional ACURITE DRO's to be installed on the college's existing WEBB lathes, and four (4) Grizzly G0796 Manual Mills.
2. Specifications for NEW EQUIPMENT is shown below

#### **Two (2) WEBB Manual Lathes**

- Webb Model WB1440
- D1-4" camlock Spindle with 40 mm (1 9/16") spindle bore
- Spindle Speeds: 80-2,000 RPM ( 9 speed)
- Swing over Bed: 360 mm (14")
- Swing over Cross Slide: 225 mm (8 3/4")
- Cross Slide Travel: 175 mm (6 7/8")
- Bed Length-Longitudinal Travel: 1000 mm (40")
- Hardened and ground bed ways
- Hardened and ground gears in headstock
- Rapid foot break
- Precision taper rollers bearing
- DRO equipment

#### **Two (2) ACU-RITE DRO for new Webb Manual Lathes (above) and Three (3) Additional ACU-RITE DRO's to install on our existing WEBB Lathes**

- Application - Milling, turning, grinding, boring and general purpose
- Axes - Up to 3
- Encoder - Inputs TTL
- Display Step - Adjustable, max. 7 digits
  - Linear axis: 1 mm to 0.0001 mm

- Angular axis: 1° to 0.001° (00° 00' 01")
- Display - 1 Axis (DRO101), 2 Axes (DRO102) or 3 Axes (DRO103)
  - 7-inch color wide screen (15:9)
  - Resolution 800 x 480 pixels for Position Values
  - Dialog Messages, Input and Graphic Functions
- Status Display - mm/inch, abs/inc, feed rate display
- Functions - Feed Rate Display, Multiple Language Support, Absolute/Incremental, Help Function, Zero Reset, Instant Inch/mm Conversion, Instant Radius/Diameter Conversion, Axis error: Linear 1 segment and Position-Trac™ Home Reference System
- Data Interface - USB 2.0 type C, For Output of Parameters to a USB Stick or PC and For Input of Parameters, Remote Control of Keys and Commands
- Options – Single Position Tilting Base, Multi-position Holder, Protective Cover
- Electrical Requirements - AC 100 V to 240 V ( $\pm 10\%$ ), 50 Hz to 60 Hz ( $\pm 5\%$ ),  $\leq 33\text{ W}$
- Operating Temperature - 0° to 45° C (32° to 113° F)
- Protection EN60529 - IP 40, front panel IP 54
- Weight - 1.5 kg

#### **Four (4) Grizzly G0796 Manual Mills**

- Motor: 3HP, 220V, 13.8A, single-phase
- Spindle taper: R-8
- Spindle travel: 5"
- T-slots: 3 @ 26-1/2" centers, 5/8" wide
- Head ram travel: 12" (front to back)
- Head tilt: 45° left & right, 90° front & back
- Turret/column swivel: 360 degrees left/right
- Max. distance spindle to table: 15-7/8"
- Table travel (longitudinal): 29"
- Table travel (cross): 12"
- Table travel (vertical): 16"
- Table size: 9" x 49" x 3-3/4"
- Spindle speeds: 8, 80-2720 RPM
- Base footprint: 41" x 27"

#### **Additional Features for Grizzly G0796 Manual Mills**

- 2-Axis DRO
- One-shot pump lubrication
- Auto stop with micro-adjustable stop
- Auto down feed
- Longitudinal power feed

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- Hardened and ground table surface
- Chrome-plated, precision-ground quill
- R-8 Spindle
- X- and Y-axis covers
- Forward and reverse spindle switch
- Halogen work light
- Includes service tools and toolbox

3. Specifications for **OLD EQUIPMENT** to be removed is identified below

- Remove/dispose of two (2) South Bend Manual Lathes, 71TT496 and 71TT497
- Remove/dispose of four (4) Bridgeport Manual Mills, 28312387, 2831237, Series I 2HP, and J118340

### Protection

1. Extreme care shall be taken by Contractor to safeguard all existing facilities, site amenities, utilities, irrigation systems, windows, and vehicles on or around the job site. Damage done to public and/or private property by the Contractor, shall be the responsibility of the Contractor and shall be repaired and/or replaced by Contractor at no additional cost to the college.
2. The Contractor shall use all means to protect existing objects, structures and vegetation. In the event of damage, the Contractor shall immediately make all repairs, replacements and dressings to damaged materials, to the approval of the college, at no additional cost to the college.

### Waste and Disposal

1. Contractor shall be responsible for all cleaning required for work under the Contractor's jurisdiction as well as for keeping all work areas, passageways, ramps, stairs and all other areas of the premises free of accumulation of surplus materials, rubbish, debris and scrap which may be caused by the Contractor's operations.
2. Remove rubbish, debris and scrap promptly upon its accumulation and in no event later than the end of each workday. Contractor is responsible for the management and removal of waste materials, including hazardous materials, to be disposed of in accordance with all applicable laws, regulations, codes, rules, and standards.
3. Burning of rubbish or debris is not allowed at the site. Rubbish, debris and scrap is not to be thrown through any window or other opening, or dropped from any great height; it shall be conducted to the ground, to waiting truck(s) or removable container(s) by means of approved chutes or other means of controlled conveyance.
4. Spillages of oil, grease or other liquids that could cause a slippery or otherwise hazardous situation or stain a finished surface shall be cleaned up immediately.
5. If rubbish and debris is not removed, or if surfaces are not cleaned as specified above, the college reserves the right to have said work done by others and the related cost(s) will be deducted from monies due the Contractor.



## QUOTE FORM

COMPANY NAME \_\_\_\_\_

**All Contractors are required to complete and sign this form. Please print clearly. Include with quote submittal a detailed quote/proposal on your company letterhead with a breakdown of costs for all equipment delivery, rigging, installation and disposal.**

Having examined the RFQ documents as prepared by Waubensee Community College, and having inspected the site and the conditions affecting and governing said Project, the Contractor hereby proposes to furnish all labor and materials, installation, rigging, supervision, coordination, transportation, services and equipment for the sum of:

\$ \_\_\_\_\_ Total  
*In Figures*

\_\_\_\_\_  
*In Words*

**Credit for Old Equipment** \$ \_\_\_\_\_ Total  
*In Figures*

### **Questions to be Answered**

1. What is your warranty? \_\_\_\_\_
2. How long do you expect the removal/installation to completion? \_\_\_\_\_
3. Will you use a subcontractor(s)? If yes, identify subcontractors and purpose:

\_\_\_\_\_  
\_\_\_\_\_

### **Acknowledgement of Addenda**

I acknowledge having received addenda # \_\_\_\_\_.

## QUOTE AUTHORIZATION PAGE

***Complete and sign this form.***

I HEREBY AUTHORIZE THIS QUOTE, ACKNOWLEDGING THAT I UNDERSTAND AND AGREE TO THE PROVISIONS OF THIS RFQ. I WARRANT THAT ALL INFORMATION PROVIDED IS TRUE AND ACCURATE. I FURTHER WARRANT THAT FAILURE TO HAVE READ ALL THE PROVISIONS OF THIS SOLICITATION SHALL NOT BE CAUSE TO ALTER ANY RESULTING CONTRACT OR REQUEST ADDITIONAL COMPENSATION.

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Name of Company

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Address

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City

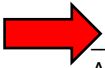
State

Zip Code

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Telephone Number

Fax Number



---

Authorized Signature

Date

---

Print Name

Title

---

Email Address

## CERTIFICATIONS

**Complete and sign this form.** Completed form must be returned with Quote. Failure to return this completed form may result in disqualification.

Firms are cautioned to carefully read these certifications prior to signing below. Signing this page shall constitute a warranty by the undersigned that all of the statements, certifications and information set forth within these certifications are true, complete and correct as of the date signed. The undersigned is notified that if the college learns that any of the following certifications were falsely made, any contract entered into with the undersigned shall be subject to termination.

1. Prevailing Wage Act. To the extent required by law, Contractor shall not pay less than the prevailing wage as established pursuant to an Act Regulating the Wages of Laborers, Mechanics, and Other Workman employed under Contract for Public Workers 820 ILCS 130/1 et seq. Our company certifies that it is eligible for bidding on public contracts and has complied with section 11a of the Prevailing Wage Act, 820 ILCS 130.01-12.
2. Human Rights Act. To the extent required by law, Contractor shall abide by the Illinois Human Rights Act, 775 ILCS 10/0.01 et seq.
3. Drug Free Workplace. To the extent required by law, Contractor shall abide with the requirements of the Drug Free Workplace Act 30 ILCS 580.1 et seq.
4. Sexual Harassment Policy. Contractor represents by the signing of this agreement that it has a written sexual harassment policy that is in accordance with 775 ILCS 5/2-105 (A) (4).
5. Non-debarment. By executing this agreement Contractor certifies that it has not been debarred from public contracts in the State of Illinois for violating either 33E-3 or 33E-4 of the Public Contracts Act, 720 ILCS 5/33E-1 et seq.
6. Fair Employment Practice: Company is in compliance with all State and Federal laws regarding Fair Employment Practice as well as all rules and regulations.
7. Our company has an Equal Employment Opportunity and Affirmative Action Program which complies with Executive Order 11246, the Vietnam Era Veterans' Readjustment Assistance Act of 1974, and the Rehabilitation Act of 1973.
8. Our company certifies that it is eligible for bidding on public contracts and is not in violation of either paragraph 33E-3 or 33-E-4 of Public Act 86-150, 720ICLS 5 with regards to bid rigging/bid rotating.
9. When required by law, the bidder and all bidder's subcontractors must participate in applicable apprenticeship and training programs approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training as required by Illinois Public Act 093-0642.

**Authorized Signatory:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## CONFLICT OF INTEREST DISCLOSURE AND NON-COLLUSION FORM

**Complete and sign this form.** Completed form must be returned with Quote. Failure to return this completed form may result in disqualification.

### **Conflict of Interest Disclosure**

Waubonsee Community College is requiring that any and all relationships with the college, its administrators, trustees, committee member, or any other employee of the college be disclosed in writing as a part of any bid submitted. Contact in regards to this Bid with any employee of Waubonsee Community College during the pre-award period, except as noted in the solicitation, is strictly forbidden and is considered sufficient grounds for dismissal from the IFB/RFP process.

Define the relationship with any Waubonsee Community College administrator, trustee, committee members, or their immediate family member, with which your company or any of its owners, officers, trustees, employees does business with, or for which there is an opportunity to influence a related college decision.

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Bidder certifies that there is no known conflict of interest with any WCC administrator, trustee, committee member or employee of the college.

### **Non-Collusion Statement**

The undersigned affirms that he/she is duly authorized to execute this contract and that this company, corporation, firm, partnership or individual has not prepared this Bid in collusion with any other Bidder, and that the contents of this Bid as to prices, terms or conditions of said Bid have not been communicated by the undersigned, nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this Bid.

The undersigned further affirms that this Bid was prepared independently for this project and that it contains no fees or amounts other than for legitimate execution of this work as specified and that it includes no understandings or agreements in restraint of trade.

Firm Name: \_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Signatory)

\_\_\_\_\_ Title

## STATE OF ILLINOIS BUSINESS ENTERPRISE FOR MINORITIES, FEMALES, AND PERSONS WITH DISABILITIES ACT INFORMATION

Vendor shall provide the following information on the MBE status of its business so that the College can comply with the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575/1, et seq.

Identify Business Status (\_\_\_ MBE \_\_\_ WBE \_\_\_ DBE \_\_\_ VOB)

- ☐ African American
- ☐ Alaskan Native/Native American
- ☐ Asian American
- ☐ Disabled
- ☐ Female
- ☐ Hispanic American
- ☐ Veteran
- ☐ Not Applicable

### Small Business

- ☐ HUBZone small business
- ☐ Service-disabled veteran-owned small business
- ☐ Small Business
- ☐ Small disadvantaged business
- ☐ Veteran-owned small business
- ☐ Women-owned small business
- ☐ Not Applicable

### Certifying Organization

- ☐ DCMS (Department of Central Management Services) Business Enterprise Program
- ☐ CMBDC (Chicago Minority Business Development Council)
- ☐ IDOT (Illinois Department of Transportation)
- ☐ WBDC (Women's Business Development Center)
- ☐ Other (Please Specify)
- ☐ Not Applicable

**For more information please visit:**

<http://www.illinois.gov/cms/business/sell2/bep/Pages/Default.aspx>

## REFERENCES OF SIMILAR WORK PERFORMED

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Name

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Company Name

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Address

---

City

State

ZIP Code

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Phone

Email

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Name

---

Company Name

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Address

---

City

State

ZIP Code

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Phone Email

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Name

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Company Name

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Address

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City

State

ZIP Code

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Phone Email

## Appendix A: INSURANCE AND INDEMNITY REQUIREMENTS

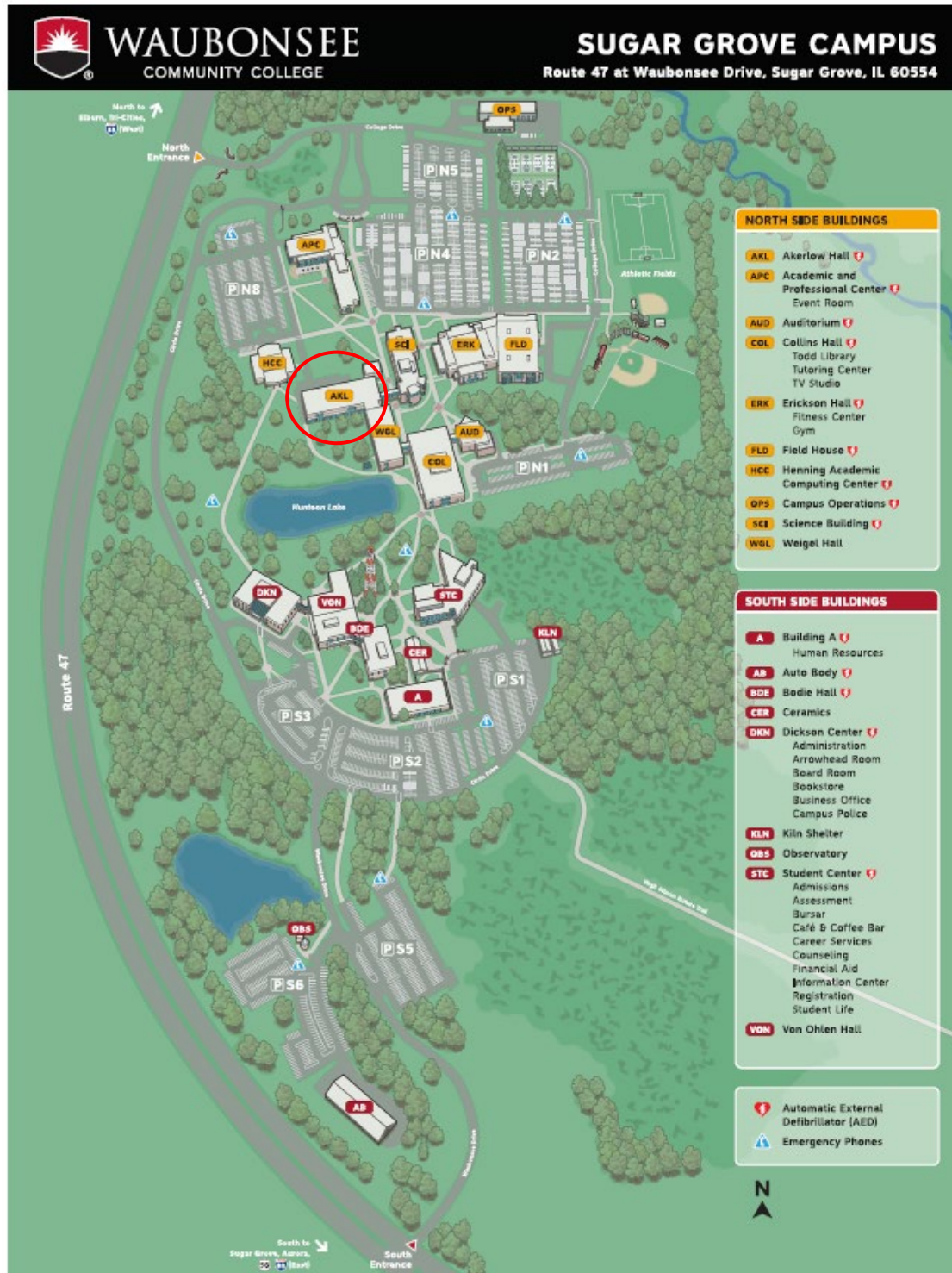
1. **SAFETY:** The Contractor, its agents, employees, material men and its Subcontractors will perform all work on the project in a safe and responsible manner, and in compliance with all Federal, State and local safety requirements and standards.
2. **INDEMNIFICATION:** The work performed by the Contractor shall be at the risk of the Contractor exclusively. To the extent permitted by law, Contractor shall indemnify, defend, and hold harmless Owner, affiliated companies of Owner, their partners, joint venturers, representatives, members, designees, officers, directors, shareholders, employees, agents, successors, and assigns ("Indemnified Parties"), from and against any and all claims for bodily injury, death or damage to property, demands, damages, actions, causes of action, suits, losses, judgments, obligations and any liabilities, costs and expenses (including but not limited to investigative and repair costs, attorney's fees and costs, and consultants' fees and costs) which arise in whole or in part or are in any way connected with the Work performed, Materials furnished, or Services provided under this Agreement by Sub-Contractor or its agents.
3. **INSURANCE:** The insurance required shall be written for the duration of the Contract in amounts not less than the following minimum limits or as required by law whichever is greater. The Insurer must give the college at least 30 days prior written notice of cancellation and termination of the firm's coverage thereunder. All subcontractors the firm hires must comply with the same requirements.
  - a. Comprehensive General Liability including Contractor's protective liability, Contractual liability, Completed Operations and Products liability. The latter shall be written for a period of one year from the date of acceptance by the Owner, to be renewed annually as long as the contract is in force. Minimum limits shall be as follows:
    - i. Not less than \$1 million dollars Each Occurrence, \$2 million Products/Completed Operations aggregate, \$1 million Personal and Advertising Injury limits, and \$2 million General Aggregate subject to a per project aggregate.
    - ii. **Firm shall provide Waubonsee Community College with a Certificate of Insurance and endorsement naming Waubonsee Community College District No. 516, its officers, agents, employees and assigns as Additional Insured thereunder on a primary and noncontributory basis.**
  - b. Workman's Compensation as required by all applicable laws including employer's liability in the amount of \$500,000.00 or as otherwise limited by law.
  - c. Comprehensive Business Automobile Liability including non-ownership and hired car coverage as well as owned vehicles. Minimum limits shall be as follows:
    - i. Written in the amount of not less than \$1 million each accident and covering any auto.
  - d. Umbrella Liability Insurance: \$2 million dollars.
4. **PROPERTY INSURANCE:** It is agreed that the Contractor shall purchase and maintain property insurance for its material left at the job site. Contractor waives all rights of subrogation against Owner for loss of, or damage to, Contractor's work, tools, machinery, equipment, materials or supplies.

## Appendix B: ACKERLOW HALL, ROOM 107 LAYOUT – MACHINE SHOP





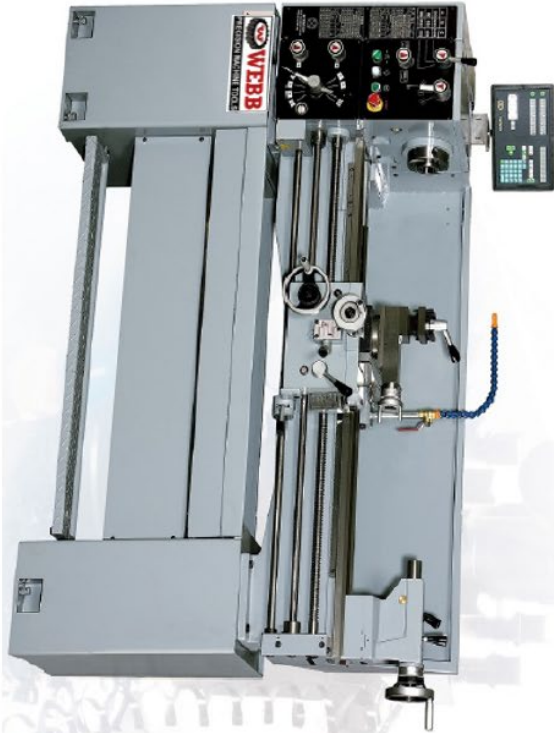
## Appendix C: SUGAR GROVE CAMPUS MAP



## Appendix D: Webb Manual Lathe Spec Sheet

### WEBB Precision Engine Lathe

Model: WB – 1324 – WB – 1340 / WB-1440



- Features:**
1. Bed is made of high tensile case iron FC25
  2. Harden and ground bedways.
  3. Harden and ground gears in head stock.
  4. Metric or Imperial specification depend on customers instruction.



Webb Machinery  
Div. of Japan Machinery Corp.

SPECIFICATIONS		METRIC (INCH )	
Model NO.	1324	1340	1440
Swing Over Bed	330mm (13")		360mm (14")
Swing Over Cross Slide	195mm (7-5/8")		225mm (8-3/4")
Swing Over Gap	490mm (19-1/4")		520mm (20-3/4")
Distance Between Centers	600mm (24")	1000mm (40")	
Bed Width	190mm (7-9/16")		
Number Of Spindle Speeds	9		
Range Of Spindle Speeds	82-2000R.P.M.		
Bore Through Spindle	40mm (1-1/2")		
Spindle Nose	D1-4 Camlock		
Taper Of Spindle Nose	MT 6		
Tailstock Quill Taper	MT 3		
Tailstock Quill Travel	100mm (4")		
Cross Slide Travel	165mm (6 1/2")		
Compound Rest Travel	100mm (4")		
Metric Threads	(30 Numbers) 0.4-7.0mm PITCH		
Inch Threads	(32 Numbers) 4-56TPI		
Longitudinal Feeds	12 Nos.(0.068-0.936mm/rev)/16 Nos.(0.0026-0.0638"/rev)		
Cross Feeds	12 Nos.(0.034-0.468mm/rev)/16 Nos.(0.0013-0.0319"/rev)		
Net Weight (lbs)	1,850		
Gross Weight (lbs)	2,150		
Packing Dimensions LxWxH	1470x76x47mm(5'10"x30"x1'8")		
	1850x76x47mm(7'1"x30"x1'8")		

**Standard Accessories:**

1. Cap Bed 1340/1440 Only
2. 2HP 1HP Or 3HP 3HP Main Drive Motor
3. 6" & 8" Back Plate(D1-4)
4. Center Sleeve MT5xMT3 & Centers
5. 4-ways Tool Post
6. Complete Electric Control Unit
7. Change Gears
8. Floor Stand
9. 18HP Coolant Pump Equipment
10. Rear Splash Guard
11. Rapid Feed Unit
12. Tool Box, Kits
13. Steady Rest
14. Follow Rest
15. 3-Jaw Scroll Chuck 6" (160mm)
16. 4-Jaw Independent Chuck 8" (200mm)
17. Face Plate 10" (250mm)

**Optional Accessories:**

1. Drill Chuck 13mm 1/2" Swabber
2. Rolling Center MT3
3. Taper Turning Attachment
4. Quick Change Tool Post(with 5 tool holders)
5. Single Saddle Stop
6. 4-position Saddle Stop
7. Chuck Guard
8. 30 Collet Chaser
9. DPO Equipment
10. Work Light

17925 Collier Ave  
Lake Elsinore, CA 92530

webbmachinery.com  
(951) 277-8885

## Appendix E: Grizzly Manual Mill Spec Sheet

<b>Grizzly</b> <i>Industrial, Inc.</i> ®	<b>MACHINE DATA SHEET</b>
Customer Service #: (570) 546-9663 · To Order Call: (800) 523-4777 · Fax #: (800) 438-5901	

### MODEL G0796 9" X 49" VERTICAL MILL WITH POWER FEED AND DRO

#### Product Dimensions:

Weight..... 2249 lbs.  
Width (side-to-side) x Depth (front-to-back) x Height..... 83 x 62 x 84 in.  
Footprint (Length x Width)..... 41 x 27 in.

#### Shipping Dimensions:

Type..... Wood Crate  
Content..... Machine  
Weight..... 2580 lbs.  
Length x Width x Height..... 60 x 55 x 80 in.  
Must Ship Upright..... Yes

#### Electrical:

Power Requirement..... 220V, Single-Phase, 60 Hz  
Full-Load Current Rating..... 13.8A  
Minimum Circuit Size..... 20A  
Connection Type..... Cord & Plug  
Power Cord Included..... Yes  
Recommended Power Cord..... "S" Type, 3-Wire, 12 AWG, 300VAC  
Plug Included..... No  
Recommended Plug Type..... 6-20  
Switch Type..... Forward/Reverse Switch

#### Motors:

##### Main

Horsepower..... 3 HP  
Phase..... Single-Phase  
Amps..... 13.8A  
Speed..... 1720 RPM  
Type..... TEFC Induction  
Power Transfer..... V-Belt Drive  
Bearings..... Shielded & Permanently Lubricated

END OF DOCUMENT