



## Invitation for Bid Amendment #1

Solicitation Number	190220-545-11906-03/11/19
Date Printed	02/26/19
Date Issued	02/26/19
Procurement Officer	Wendy Dennis
Phone	(843) 574-6065
E-mail Address	wendy.dennis@tridenttech.edu

DESCRIPTION: **Bearing Maintenance Trainers**

*The Term "Offer" Means Your "Bid" or "Proposal".*

SUBMIT OFFER BY (Opening Date/Time): **03/14/19 @ 2:00 PM EST** See "Deadline For Submission Of Offer" provision

QUESTIONS MUST BE RECEIVED BY: **02/26/19 @ 10:00 AM EST** See "Questions From Offerors" provision

NUMBER OF COPIES TO BE SUBMITTED: **1**

SUBMIT YOUR SEALED OFFER TO EITHER OF THE FOLLOWING ADDRESSES:

**MAILING ADDRESS:**

Trident Technical College  
Procurement Office  
PO Box 118067  
Charleston, SC 29423  
**Fax: 843 574-6395**

**PHYSICAL ADDRESS**

Trident Technical College  
Procurement Office  
Building 940, Suite G, Room 110  
2050 Mabeline Rd. N. Chas SC 29406  
**See "Submitting Your Offer" provision**

ALL MAIL IS PICKED UP FROM THE US POSTAL SERVICE ONCE DAILY AT AROUND 8:00 A.M. (EXCLUDING WEEKENDS AND HOLIDAYS).

CONFERENCE TYPE: DATE & TIME: <b>As appropriate, see "Conferences - Pre-Bid/Proposal" &amp; "Site Visit" provisions</b>	LOCATION:
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<b>AWARD &amp; AMENDMENTS</b>	Award will be posted at the Physical Address stated above on <b>03/15/19</b> . The award, this solicitation, and any amendments will be posted at the following web address: <a href="https://www.tridenttech.edu/about/departments/proc/ttc_solic.htm">https://www.tridenttech.edu/about/departments/proc/ttc_solic.htm</a>
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You must submit a signed copy of this form with Your Offer. By submitting a bid or proposal, You agree to be bound by the terms of the Solicitation. You agree to hold Your Offer open for a minimum of thirty (30) calendar days after the Opening Date.

NAME OF OFFEROR (Full legal name of business submitting the offer)		<b>OFFEROR'S TYPE OF ENTITY:</b> (Check one)  <input type="checkbox"/> Sole Proprietorship  <input type="checkbox"/> Partnership <input type="checkbox"/> Corporation (tax-exempt) <input type="checkbox"/> Corporate entity (not tax-exempt) <input type="checkbox"/> Government entity (federal, state, or local)  <input type="checkbox"/> Other (See "Signing Your Offer" provision.)
AUTHORIZED SIGNATURE  (Person signing must be authorized to submit binding offer to enter contract on behalf of Offeror named above.)		
TITLE (Business title of person signing above)		
PRINTED NAME (Printed name of person signing above)	DATE SIGNED	

Instructions regarding Offeror's name: Any award issued will be issued to, and the contract will be formed with, the entity identified as the offeror above. An offer may be submitted by only one legal entity. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, *i.e.*, a separate corporation, partnership, sole proprietorship, etc.

STATE OF INCORPORATION (If Offeror is a corporation, identify the state of Incorporation.)

TAXPAYER IDENTIFICATION NO. (See "Taxpayer Identification Number" provision)

**PAGE TWO**

**(Return Page Two with Your Offer)**

<b>HOME OFFICE ADDRESS</b> (Address for offeror's home office / principal place of business)	<b>NOTICE ADDRESS</b> (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)
	_____ Address
	_____ Area Code – Number – Extension                      Facsimile
	_____ E-mail Address

<b>PAYMENT ADDRESS</b> (Address to which payments will be sent.) (See "Payment" clause)	<b>ORDER ADDRESS</b> (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)
_____ Payment Address same as Notice Address <b>(check only one)</b>	_____ Order Address same as Home Office Address
_____ Payment Address same as Home Office Address	_____ Order Address same as Notice Address <b>(check only one)</b>

**ACKNOWLEDGMENT OF AMENDMENTS**  
 Offerors acknowledges receipt of amendments by indicating amendment number and its date of issue. (See "Amendments to Solicitation" Provision)

Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date	Amendment No.	Amendment Issue Date

<b>DISCOUNT FOR PROMPT PAYMENT</b> (See "Discount for Prompt Payment" clause)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	_____ Calendar Days (%)
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**PREFERENCES - A NOTICE TO VENDORS (SEP. 2009):** On June 16, 2009, the South Carolina General Assembly rewrote the law governing preferences available to in-state vendors, vendors using in-state subcontractors, and vendors selling in-state or US end products. This law appears in Section 11-35-1524 of the South Carolina Code of Laws. A summary of the new preferences is available at [www.procurement.sc.gov/preferences](http://www.procurement.sc.gov/preferences). ***ALL THE PREFERENCES MUST BE CLAIMED AND ARE APPLIED BY LINE ITEM, REGARDLESS OF WHETHER AWARD IS MADE BY ITEM OR LOT. VENDORS ARE CAUTIONED TO CAREFULLY REVIEW THE STATUTE BEFORE CLAIMING ANY PREFERENCES. THE REQUIREMENTS TO QUALIFY HAVE CHANGED. IF YOU REQUEST A PREFERENCE, YOU ARE CERTIFYING THAT YOUR OFFER QUALIFIES FOR THE PREFERENCE YOU'VE CLAIMED. IMPROPERLY REQUESTING A PREFERENCE CAN HAVE SERIOUS CONSEQUENCES.*** [11-35-1524(E)(4)&(6)]

**PREFERENCES - ADDRESS AND PHONE OF IN-STATE OFFICE:** Please provide the address and phone number for your in-state office in the space provided below. An in-state office is necessary to claim either the Resident Vendor Preference (11-35-1524(C)(1)(i)&(ii)) or the Resident Contractor Preference (11-35-1524(C)(1)(iii)). Accordingly, you must provide this information to qualify for the preference. An in-state office is not required, but can be beneficial, if you are claiming the Resident Subcontractor Preference (11-35-1524(D)).

\_\_\_\_\_ In-State Office Address same as Home Office Address

\_\_\_\_\_ In-State Office Address same as Notice Address **(check only one)**

Bidders shall acknowledge receipt of this Amendment prior to date and time specified in the solicitation, or as amended, by one of the following methods: (1) by signing and returning the Amendment, (2) by letter, or (3) by submitting a bid that indicates in some way that the bidder received the amendment. Failure of your acknowledgement to be received at the issuing office prior to date and time specified may result in rejection of your offer. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. **The college will not accept faxed amendments.**

THE SOLICITATION IS AMENDED AS PROVIDED HEREIN. INFORMATION OR CHANGES RESULTING FROM QUESTIONS WILL BE SHOWN IN A QUESTION-AND-ANSWER FORMAT. ALL QUESTIONS RECEIVED HAVE BEEN REPRINTED BELOW. THE "STATE'S RESPONSE" SHOULD BE READ WITHOUT REFERENCE TO THE QUESTIONS. THE QUESTIONS ARE INCLUDED SOLELY TO PROVIDE A CROSS-REFERENCE TO THE POTENTIAL OFFEROR THAT SUBMITTED THE QUESTION. QUESTIONS DO NOT FORM A PART OF THE CONTRACT; THE "STATE'S RESPONSE" DOES. ANY RESTATEMENT OF PART OR ALL OF AN EXISTING PROVISION OF THE SOLICITATION IN AN ANSWER DOES NOT MODIFY THE ORIGINAL PROVISION EXCEPT AS FOLLOWS: UNDERLINED TEXT IS ADDED TO THE ORIGINAL PROVISION. STRICKEN TEXT IS DELETED.

Except as provided herein all terms and conditions of the document referenced as heretofore changed remain unchanged and in full force and effect.

Solicitation #: 190220-545-11906-03/11/19

Title: **Bearing Maintenance Trainers**

Is hereby amended as follows:

**Changes not related to questions:**

**SUBMIT OFFER BY (Opening Date/Time): 03/11/19 @ 2:00 PM EDT**

**SUBMIT OFFER BY (Opening Date/Time): 03/14/19 @ 2:00 PM EDT**

2. State's response: Change: Page 13, Section III, Scope of Work / Specifications, replace existing Lot 1 with the below:

**Lot #1**

- Item # 1: Bearing Maintenance Trainer, Basic Quick-Start Package (Reference: DAC204-PAC)
- Two student workstations
  - 7-Gauge, formed-steel baseplate, 30" long mountable across the width of a standard shop bench.
  - Four, steel shaft mounting brackets which, when used in combination, allow for mounting of shafts in different orientations.
  - Four, high-grade alloy steel CNC-machined stub shafts allowing for installation of all bearings.
  - Provision for installation of radial ball bearings and cylindrical roller bearings with loose and interference-fit applications.
  - Provision for installation of spherical roller bearings on a tapered shaft, adapter sleeve and withdrawal sleeve. (includes two different internal clearance calculations).

- Provision for installation of a radial ball bearing in an externally-seated application.
- Provision for bearing removal using a gear puller on a back-up gear.
- Eight, bearing types for mounting on stub shafts.
- Shaft seal application.
- High-durability, powder coated surfaces throughout.
- Tools:
  - Combination wrenches
  - Allen wrench set
- Manuals to include:
  - Use/Exercise Guide
  - Industrial Trades Training Manual (IPT)
  - Reference book on bearing maintenance (SKF).
- Courseware that can be both an instructor-led or self-directed to include:
  - Textbook with chapters on rolling element bearings and friction bearings
  - A minimum of seventeen illustrated, hands-on exercises.
- Exercises include:
  - Introduction to rolling element bearing construction and terminology.
  - Introduction to rolling element bearing types.
  - Introduction to bearing identification systems.
  - Introduction to bearing clearances and fits.
  - Bearing maintenance prechecks.
  - Cold mounting and removal of radial ball bearings.
  - Mounting and dismounting of radial ball bearings with interference fits.
  - Installing and dismounting a radial ball bearing with a back-up gear.
  - Installing and dismounting angular contact bearings.
  - Mounting and dismounting of spherical roller bearings on a tapered shaft.
  - Mounting and dismounting of spherical roller bearings on a tapered sleeve.
  - Mounting of spherical roller bearings on a withdrawal sleeve.
  - Installation of pillow block bearings.
  - Installation of externally seated radial ball bearings.
  - Installation of cylindrical roller bearings using an arbor press.
  - Installation of shaft seals.
  - Hydraulic mounting and dismounting of tapered bore bearings (supplemental).

Bearing Maintenance Tool Kit (Reference: DAC204-001)

- Toolbox to hold the below tools and accessories
- Industrial tools to include:
  - (4) Forged-Steel, hook-style, Spanner Wrenches.
  - (1) Forged Steel, jaw-style bearing puller 7", 2/3 jaw puller
  - (1) Forged Steel, jaw-style bearing puller 11", 2/3 jaw puller
  - (1) Bearing Separator, 1/2"-4-5/8" size range.
  - (1) Soft-Blow Hammer.
  - (1) Shaft Protector, 1-1/2" diameter.
  - (1) 9-Leaf, Feeler Gauge Set.
- Miscellaneous, bearing-related accessories, including:

- (10) Sheets, 1500 grit crocus cloth.
  - Set, non-magnetic vice soft-Jaws.
  - Set, protective, lint-free gloves.
  - package, lint-free cloth.
  - Can general purpose lubricating oil.
  - Tools must be compatible with Items 1 and 2
- Bearing Heater, Cone-type (Reference: DAC204-002)
- Aluminum primary cone (for even heat distribution)
  - Ceramic heater mounting base, for safety.
  - Accommodates bearings, 3/8" diameter to 5-3/4" diameter (10-145 mm)
  - Steel base shroud.
  - 8', three-wire power cord.
  - Safety Guard.
  - Minimum 1-year manufacturer's warranty
  - 725 W capacity.
  - Non-Magnetic
  - Heater must be compatible with Items 1 and 2
- Bearing Inner Race Puller Tool (Reference: DAC204-005)
- Name-brand industrial tool with specifications as follows:
    - 1/2 Ton rated
    - Jaw reach: 1-3/4"
    - Jaw spread: 1/2-2"
    - All-steel construction.
    - Slide-hammer-type operation
  - Heater must be compatible with Items 1 and 2

- Item # 2: Bearing Maintenance Trainer, Extended, Quick Start Package (Reference: DAC204E-PAC)
- 7-Gauge, formed-steel baseplate, 30" long, allowing for mounting across the width of a standard shop bench.
  - Four, steel shaft mounting brackets which, when used in combination, allow for mounting of shafts in different orientations.
  - Four, high-grade alloy steel CNC-machined stub shafts allowing for installation of all bearings.
  - Provision for installation of radial ball bearings and cylindrical roller bearings with loose and interference fit applications.
  - CNC-machined, 24" long, multi-land shaft.
  - Provision for installation of spherical roller bearings on a tapered shaft, adapter sleeve and withdrawal sleeve (Includes two different internal clearance calculations).
  - Provision for installation of a radial ball bearing in an externally seated application.
  - Provision for bearing removal using a gear puller on a back-up gear.
  - Eight bearing types for mounting on stub shafts.
  - Large-diameter spherical roller bearing pillow block and radial ball bearing pillow block for mounting on the multi-land shaft.
  - Shaft seal application.
  - Can be mounted on related bench and workstation products.
  - High-durability, powder coated surfaces throughout.
  - Tools:
    - Combination wrenches

- Allen wrench set
- Manuals to include:
  - Use/Exercise Guide
  - Industrial Trades Training Manual (IPT)
  - Reference book on bearing maintenance (SKF).
- Courseware that can be both an instructor-led or self-directed to include:
  - Textbook with chapters on rolling element bearings and friction bearings
  - A minimum of seventeen illustrated, hands-on exercises.
- Exercises include:
  - Introduction to rolling element bearing construction and terminology.
  - Introduction to rolling element bearing types.
  - Introduction to bearing identification systems.
  - Introduction to bearing clearances and fits.
  - Bearing maintenance prechecks.
  - Cold mounting and removal of radial ball bearings.
  - Mounting and dismounting of radial ball bearings with interference fits.
  - Installing and dismounting a radial ball bearing with a back-up gear.
  - Installing and dismounting angular contact bearings.
  - Mounting and dismounting of spherical roller bearings on a tapered shaft.
  - Mounting and dismounting of spherical roller bearings on a tapered sleeve.
  - Mounting of spherical roller bearings on a withdrawal sleeve.
  - Installation of pillow block bearings.
  - Installation of externally seated radial ball bearings.
  - Installation of cylindrical roller bearings using an arbor press.
  - Installation of shaft seals.
  - Hydraulic mounting and dismounting of tapered bore bearings (supplemental).

Bearing Maintenance Tool Kit (Reference: DAC204-001)

- Toolbox to hold the below tools and accessories
- Industrial tools to include:
  - (4) Forged-Steel, hook-style, Spanner Wrenches.
  - (1) Forged Steel, jaw-style bearing puller 7", 2/3 jaw puller
  - (1) Forged Steel, jaw-style bearing puller 11", 2/3 jaw puller
  - (1) Bearing Separator, 1/2"-4-5/8" size range.
  - (1) Soft-Blow Hammer.
  - (1) Shaft Protector, 1-1/2" diameter.
  - (1) 9-Leaf, Feeler Gauge Set.
- Miscellaneous, bearing-related accessories, including:
  - (10) Sheets, 1500 grit crocus cloth.
  - Set, non-magnetic vice soft-Jaws.
  - Set, protective, lint-free gloves.
  - package, lint-free cloth.
  - Can general purpose lubricating oil.

- Tools must be compatible with Items 1 and 2

Bearing Heater, Cone-type (Reference: DAC204-002)

- Aluminum primary cone (for even heat distribution)

- Ceramic heater mounting base, for safety.
- Accommodates bearings, 3/8" diameter to 5-3/4" diameter (10-145 mm)
- Steel base shroud.
- 8', three-wire power cord.
- Safety Guard.
- Minimum 1-year manufacturer's warranty
- 725 W capacity.
- Non-Magnetic
- Heater must be compatible with Items 1 and 2

Bearing Inner Race Puller Tool (Reference: DAC204-005)

- Name-brand industrial tool with specifications as follows:
  - 1/2 Ton rated
  - Jaw reach: 1-3/4"
  - Jaw spread: 1/2-2"
  - All-steel construction.
  - Slide-hammer-type operation
- Heater must be compatible with Items 1 and 2

Item # 3:

Extended Bearing Fitting Tool Kit (Reference: DAC204-004)

- 36 impact rings manufactured from high-impact, glass fiber-reinforced, modified polyamide.
- Three impact sleeves incorporating high-impact modified polyamide working surfaces and glass fibre-reinforced, high-impact modified polyamide tubes.
- Facilitates mounting of over 400 bearing varieties.
- Aids in mounting of shafts, in housings and in blind applications.
- Impact rings accurately matches both inner and outer bearings diameters.
- Focused, small impact area on sleeve effectively distributes mounting force.
- Impact rings and sleeves manufactured from high-impact material for longevity in use.
- Positive, "click" connection between ring and sleeves for stability.
- Impact rings can be used with Arbor Presses, as well.
- All rings clearly identified.
- Selection Chart
- Steel shot-loaded, dead-blow hammer, with nylon faces and rubber handgrip included.
- Light-weight compartmented, polyethylene carrying case.

Change #3: State's response: Change: Page 23, Section VIII. Quotation Schedule. Use the Amended Quotation Schedule attached.

**VIII. Bidding Schedule**

IFB #: **190220-545-11906-03/11/19**

**Amendment #1 Bidding Schedule**

Unit price shall be shown.

Provide Date of Delivery After Receipt of Order (ARO) in space provided on Quotation Schedule.

Complete the Manufacturer/Authorized Dealer certification at bottom of Quotation Schedule.

Deliveries shall be FOB destination, freight prepaid.

**Lot 1**

Item #	Qty	UOM	Description	Unit Price	Grand Total
1	5	EA	<b>Bearing Maintenance Trainer, Basic, Quick-Start Package</b> Mfg: _____ Model #: _____ SC End Product Preference: _____ U.S. End Product Preference: _____ Resident Vender Preference: _____ Delivery ARO: _____	\$ _____	\$ _____
2	2	EA	<b>Bearing Maintenance Trainer, Extended, Quick-Start Package</b> Mfg: _____ Model #: _____ SC End Product Preference: _____ U.S. End Product Preference: _____ Resident Vender Preference: _____ Delivery ARO: _____	\$ _____	\$ _____
3	2	EA	<b>Extended Bearing Fitting Tool Kit</b> Mfg: _____ Model #: _____ SC End Product Preference: _____ U.S. End Product Preference: _____ Resident Vender Preference: _____ Delivery ARO: _____	\$ _____	\$ _____
<b>Grand Total</b>					\$ _____



**Please Check appropriate line:**

I certify that I:     \_\_\_\_\_ **AM** a manufacturer or an authorized manufacturer's dealer for the items listed.  
                                  \_\_\_\_\_ **AM NOT** a manufacturer or an authorized manufacturer's dealer for the items listed.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
**Printed Name**

SC Certified Minority Vendor:     Y  N  S.C. Cert #: \_\_\_\_\_