

# Admin Minnesota

## Materials Management Division

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Persons with a hearing or speech disability can contact us through the Minnesota Relay Service by dialing 711 or 1.800.627.3529.

### CONTRACT RELEASE: T-546(5)

DATE: MARCH 1, 2016

PRODUCT/SERVICE: TESTING AND INSPECTION, AERIAL UNITS, CRANES, ETC.  
**(INCLUDES DIGGER DERRICK, UNDER-BRIDGE, SCISSOR LIFTS, MANUALLY PROPELLED MAN LIFTS, OVERHEAD CRANES, AUTOMOTIVE LIFTS ETC.)**

CONTRACT PERIOD: MARCH 1, 2016, THROUGH, JANUARY 31, 2017

EXTENSION OPTIONS: UP TO 48 MONTHS

ACQUISITION MANAGEMENT SPECIALIST: MARK EVANGELIST

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<u>CONTRACT VENDOR</u>	<u>CONTRACT NO.</u>	<u>TERMS</u>	<u>DELIVERY</u>
<b>AMERICAN TEST CENTER</b> PO Box 408 2773 Prairie Drive River Falls, WI 54022  VENDOR NO.: 0000212623	<b>105036</b>  CONTACT: Peter Tveitbakk EMAIL: <a href="mailto:schedule@atctest.com">schedule@atctest.com</a>	<b>NET 30</b>  PHONE: 715.426.6940 FAX: 715.426.6941	<b>7-21 DAYS ARO</b>
<b>DIVERSIFIED INSPECTIONS</b> PO Box 39669 Phoenix, AZ 85069  VENDOR NO.: 0000196630	<b>105035</b>  CONTACT: Renee Shearer EMAIL: <a href="mailto:rshearer@diusa.com">rshearer@diusa.com</a>	<b>NET 30</b>  PHONE: 602.347.6301 800.992.1111x301 FAX: 602.864.6975	<b>30 DAYS ARO</b>
<b>MINN HOIST INSPECTIONS, INC.</b> PO Box 3340 Duluth, MN 55803  VENDOR NO.: 0000212837	<b>105037</b>  CONTACT: Kevin Miller EMAIL: <a href="mailto:hoist4u@gmail.com">hoist4u@gmail.com</a>	<b>NET 30</b>  PHONE: 218.525.6977 FAX:	<b>30 DAYS ARO</b>

**CONTRACT USERS.** This Contract is available to the following entities as indicated by the checked boxes below

- State agencies
- Cooperative Purchasing Venture (CPV) members

**STATE AGENCY CONTRACT USE.** State agencies should make every effort to use the Contract Vendor(s) listed. However, this Contract does not prohibit State agencies from using their delegated local purchasing authority to procure similar products and services from other vendors.

**STATE AGENCY ORDERING INSTRUCTIONS.** Orders are to be placed directly with the Contract Vendor. State agencies should use a Contract release order (CRO) or a blanket purchase order (BPC). The person ordering should include his or her name and phone number. Orders may be submitted via fax.

**CONTRACT FEEDBACK.** If these commodities or service can be better structured to help you with your business needs, let us know. We solicit your comments and suggestions to improve all of our contracts so that they may better serve your business needs.

If you have a need for which no contract currently exists, or you would like to be able to use an existing state contract that is not available to your entity, whether a state agency or CPV), please contact us. If you have specific comments or suggestions about an individual contract you can submit those via the [Contract Feedback Form](#).

**SERVICE CERTIFICATION FORM REQUIREMENTS.**

Pursuant to Minn. Stat. § 16C.09, agencies must complete a "Service Contract Certification Form" prior to issuing an order for services offered from this Contract.

**SPECIAL TERMS AND CONDITIONS**

**SCOPE.** The purpose of this Contract is to provide a source for testing and inspection for aerial lifts, digger derrick, under-bridge, scissor lifts, manually propelled man lifts, overhead cranes, automotive lifts etc. T-546(5) which may be used by State Agencies and Cooperative Purchasing Venture (CPV) members on an as needed basis.

**PRICES.** Prices are firm through the first year. After that period, prices may increase once a year. Price increases are not effective until they are approved by the AMS. **NOTE:** At no time should the ordering entity pay more than the Contract price. Agencies must contact the AMS immediately and fill out a Vendor Performance Report if there is a discrepancy between the price on the invoice and the Contract price.

The Following Specifications details OSHA and ANSI annual testing and inspection for aerial, digger derrick, under-bridge, scissor lifts, manually propelled man lifts, overhead cranes, automotive lifts. The following that apply must be met and any other relevant OSHA, ANSI, ALI, ASME, federal and state regulations.

**BILLING REQUIREMENTS.** The Contract Vendor must submit separate detailed invoices for each purchase order to the "bill-to" address as shown on the purchase order.

If requested, the Contract Vendor must submit one copy of the original purchase order issued from the State agency or CPV member and one copy of the final invoice for each transaction against the Contract to the AMS. The invoice must be itemized per the detail in the Manufacturer's Vendor Price Schedule that is submitted with the RFB. The State intends that the final invoice is generated only after the equipment has been delivered, inspected, approved and accepted.

**INTEREST RATE ON UNPAID BALANCE.** The Contract Vendor may not charge interest on unpaid balances over and above what is allowed in State law. Responders may not calculate additional interest into the price offered for the equipment to cover expenses on unpaid balances.

**MISCELLANEOUS ITEMS.** State agencies may purchase incidental miscellaneous parts, accessories and labor that is directly related to a specific item(s) included on the Contract. The total cost for these miscellaneous items may not exceed \$5,000.00 for an individual purchase order. If the Customer's entity requires a lower threshold for competitive bidding other than \$5,000.00, they must follow their local entity's requirements. Any purchase order must be issued to the Contract Vendor.

**I. Structural Tests**

**A. Visual Inspection:** A complete inspection of accessible areas including:

1. Outriggers; Pads, structure, welds, bolts, hoses, cylinders, valves, pins and retainers.
2. Chassis; Truck frame, aerial sub-frame, suspension, PTO, pintle hook, and components of the brake, steering, electrical, air, hydraulic, exhaust, and cooling systems.
3. Pedestal; Mounting bolts and welds, pedestal structure, diagonal brace, attachment welds or pins, hydraulic swivel joint, hydraulic components, swing drive gearbox mounting bolts, backlash between swing pinion or bullgear, electric collector ring and brushes and lower control operation.
4. Rotation Bearing; Upper and lower bearing attachment weld and bolts, vertical movement of bearing, and proper torque on accessible bearing bolts.

5. Turntable; Turntable structure, bucket leveling cables, leveling cylinders, compensating chains or sprockets, and hydraulic system components.
6. Boom-Jib-Lower Boom-Upper Boom; Boom structure, welds, pin end castings, pins, bolts, keepers, lift cylinders and attachment, hydraulic system, leveling cables or rods, upper or extend cylinder and attachment, push links, boom rest supports, tie-down straps, sheaves, rope guides, boom stops, wear pads and extension roller assemblies, lower insulator and mounting, extension roller assembly and wear pads.
7. Elbow; Elbow structure, hydraulic hoses and leveling cables.
8. Upper Boom (Extension); Structure, welds, leveling cables or rods, wear pads, upper insulator and mounting, hydraulic lines and components, jib structure and mounting, tool circuit hoses and fittings, pole claw arms and mounting brackets.
9. Platform (Bucket); Mounting bracket bolts, leveling system, exterior condition, control operation and hydraulic lines and components.
10. Digger and Auger; digger mounting arm and housing, gearbox, auger, digger wind-up bracket or rope, auger stop bracket, lock mechanism and control operation.
11. Winch; Mounting brackets, bolts, pins; gearbox, hydraulic components, load line, and controls.
- 13 Drive Train: Gear wear, lubrication, guards, hydraulic components.
- 14 Drum Shafts: Main hoist, swivel, etc., drum conditions, clutch/brake lining, air and hydraulic lines/components.
- 15 Wire Ropes: Check for wear and broken wires, lubrication, end connections, pins, clips and spreaders.
- 16 Load Blocks: Hook condition, safety latch, sheaves, bearings, becketts, clips, swivel lock and structure.
- 17 Boom-Jib-Lower Boom-Upper Boom: Structure/welds, pin end castings, pins, bolts, keepers, lift cylinders and attachments, hydraulic system, upper or extended cylinder and attachment, boom rest supports, tie-down straps, sheaves, rope guides, boom stops, wear pads and extension roller assemblies.
18. General; Load rating chart, electrical hazard placards, MADDDC placards and upper or lower control operation placards.

*The visual inspection includes removal of inspection cover plates as necessary to do a thorough job.*

- B. Acoustic Emission (AE) Test:** AE is the accepted industry method for testing fiberglass and steel structures. The AE test includes attaching sensitive sensors to the structural fiberglass and metal components from the bucket down to the outrigger or chassis subframe. A test load of 1-1/2 or 2 times the rated load (specified by customer) is applied to the boom. A computer system monitors sounds emitted by defects that are growing during the test load. The computer selects the critical noise emissions and prints a summary report. A test load of 1-1/2 times rated load will be applied to the boom or bucket. A print out showing the result will be attached to the test report for each unit that it applies to. Test results are to be reviewed by the engineering staff from the testing company.
- C. Magnetic Particle Inspection:** Magnetic particle is a nondestructive test method used to identify surface cracks on ferrous material. It is performed on all critical welds, plates and castings of items listed in Part A during the visual inspection.
- D. Dye Penetrant Inspection:** Dye Penetrant is a nondestructive test method used to identify surface cracks and works on any structural surface including all critical welds, plates, castings made of non-ferrous material and any area requiring verification in Part C or Part E.
- E. Ultrasonic Inspection:** Ultrasonic is a nondestructive test method used to detect flaws in accessible critical pins. Use of ultrasonic reduces the number of pins that have to be removed for inspection. Pins with flat end surfaces and do not have drilled holes are best suited for ultrasonic.
- F. Torque Testing:** Torque testing all critical fasteners in accessible areas including upper and lower rotation bearing, swing gearbox, boom connections, and platform mounting.

## **II. Functional And Operational Test**

A functional and operational test is performed to check the operation of controls, bearings, pins, bushings, cylinders, holding valves, bucket leveling mechanisms, outriggers, etc. This test will also find worn swing bearings or gearboxes, worn pins or bushings, and loose fasteners critical to the operation of the aerial.

### **III. Dielectric Test**

A DC dielectric test as specified by ANSI standards. The dielectric test verifies the electrical insulating strength in the FRP upper and lower booms, bucket, liners, FRP extensions on digger derricks, tool circuits, and upper control system.

### **IV. Report And Certification**

Defects found during the inspection and tests are classified for degree of severity and printed on a computerized report. If the inspection reveals that repairs or rework are required by the customer, details of the work will be outlined on the report. The Contract Vendor's technician will review the initial report with the customer's authorized representative (CAR). A signed and dated copy of the initial test report listing any defects is left with the CAR. If repairs or rework need to be completed before the equipment is certified, the Contract Vendor will provide any additional inspections needed for the equipment to be certified.

The final test is reviewed by the Contract Vendor's staff engineers and the final report is mailed to CAR. The Contract Vendor retains a copy of the test report on file. The final test/inspection report must be mailed to the CAR within 30 days of the final inspection

#### **1.0 Aerial Personnel Device Test and Inspection Requirements**

- 1.1 Aerial personnel device shall be inspected and tested per ANSI/SIA A92.2 most current version and shall satisfy OSHA.
- 1.2 Testing and inspecting shall include, but not limited to the above\*, particularly when OSHA and/or ANSI/SIA A92.2 most current version calls for more or different inspection and testing.

#### **2.0 Digger Derrick Test & Inspection Requirements**

- 2.1 Digger derrick units shall be inspected and tested per ANSI/SIA A10.31 most current version and shall satisfy OSHA.
- 2.2 Testing and inspection shall be as stated in Specification 1.2 and shall include inspection of digger auger assembly.

#### **3.0 Bridge Inspection/Maintenance Device Test and Inspection Requirements**

- 3.1 Bridge inspection/maintenance device shall be inspected and tested per ANSI/SIA A92.8 most current version and shall satisfy OSHA.
- 3.2 Testing and inspecting shall include, but not limited to the above\*, particularly when OSHA and/or ANSI/SIA A92.8 most current version calls for more or different inspection and testing:

#### **4.0 Truck Mounted Hydraulic Crane Test and Inspection Requirements**

- 4.1 Truck mounted hydraulic cranes with 1-9 ton capacity shall be inspected and tested per ANSI B30.5 most current version and shall satisfy OSHA.
- 4.2 Truck mounted hydraulic cranes with 10-50 ton capacity shall be inspected and tested per ANSI section B30 most current version and shall satisfy OSHA.
- 4.2 Testing and inspecting shall include, but not limited to the above\*, particularly when OSHA and/or ANSI section B-30 most current version calls for more or different inspection and testing.

#### **5.0 Manual Propelled Man Lifts and Scissor Lifts**

- 5.1 Man lifts and scissor lifts shall be tested par ANSI A92.6 most current version and shall satisfy OSHA.
- 5.2 Testing and inspecting shall include, but not limited to the above\*, particularly when OSHA and/or ANSI A92.6 most current version calls for more or different inspection and testing.

#### **6.0 Overhead Cranes**

- 6.1 Overhead cranes (including all underhung, gantry and monorails) shall be tested per ASME B30 requirements and shall satisfy all OSHA and ANSI requirements.
- 6.2 Testing and inspecting shall include, but not limited to the above\*, particularly when ASME B30 most current version calls for more or different inspection and testing.

#### **7.0 Automotive Lifts**

- 7.1 Automotive lifts shall be tested per ANSI/ALI ALOIM 2008 R2013 standard requirements and shall satisfy OSHA, ANSI requirements.

7.2 Testing and inspecting shall include, but not limited to the above\*, particularly when ANSI/ALI ALOIM 2008 R2013 most current version calls for more or different inspection and testing.

**8.0 Other Requirements**

- 8.1 The Contract Vendor shall prepare the equipment by reasonably cleaning it prior to inspection.
- 8.2 Testing and inspecting technician shall be a Certified Level 2 SNT-TC-IA NDT Technician. The inspectors for the automotive lifts must have a certification level approved by ANSI under ANSI/ALI ALCTV.
- 8.3 The Contract Vendor must have its representative, and all the appropriate people, available after the test to review the test results and to ask questions.
- 8.4 For any MnDOT equipment that is tested and inspected an additional copy of the final report shall be submitted to the CAR.

**Reporting.** All inspection reports – both the initial and final – must be submitted per the instructions and within the times outlined in the specifications. **Failure to provide the final reports within the time frame outlined may cause invoice payment to be withheld until the final reports are received by the customer.**

**Inspection Schedule.** The Contract Vendor must be able to provide testing and inspection services two ways:

**Regular Scheduled Test/ Inspection** – Customer provides the Contract Vendor with a two week lead time or more to provide test and inspection services. The Contract Vendor will receive notification from the customer and confirm a mutually agreed date for the services to be completed. If the Contract Vendor fails to meet the mutually agreed inspection date, the customer reserves the right to purchase the services on the open market and charge any difference in actual costs back to the Contract Vendor.

**Emergency Test/Inspection** – Customer contacts the Contract Vendor for emergency services to be completed within three to five working days of contact. The Contract Vendor will receive notification from the customer and confirm a mutually agreed date for the services to be completed. If the Contract Vendor fails to meet the mutually agreed inspection date, the customer reserves the right to purchase the services on the open market and charge any difference in actual costs back to the Contract Vendor.

**AMERICAN TEST CENTER  
CONTRACT No. 105036**

	<u>Regular Schedule Test/Inspection</u>	<u>Emergency Schedule Test/Inspection</u>
<b>1. <u>Bucket Truck Inspections</u></b>		
1.1 Annual test and inspection for aerial personnel devices that DO NOT require dielectric test, per ANSI/SIA A92.2 most current version.	<u>\$250.00</u>	<u>\$300.00</u>
1.2 Annual test and inspection for aerial personnel devices that DO require dielectric test, per ANSI/SIA A92.2 most current version.	<u>\$325.00</u>	<u>\$375.00</u>
1.3 Dielectric test for Hotstick	<u>\$12.00</u>	<u>\$12.00</u>
<b>2. <u>Digger Derricks</u></b>		
2.1 Annual test and inspection for digger derricks that DO NOT require dielectric test, per ANSI A10.31 most current version.	<u>\$250.00</u>	<u>\$300.00</u>
2.2 Annual test and inspection for digger derricks that DO Require dielectric test, per ANSI A10.31 most current version.	<u>\$325.00</u>	<u>\$375.00</u>
<b>3. <u>Underbridge Equipment</u></b>		
3.1 Annual test and inspection for under bridge machine per ANSI/SIA A92.8 or most current version	<u>\$400.00</u>	<u>N/A</u>

<b>4.</b>	<b><u>Truck Mounted Hydraulic Cranes</u></b>		
4.1	Annual test and inspection for mobile (truck mounted) hydraulic crane 1-9 ton capacity per ANSI B30.5 or most current version.	<u>\$200.00</u>	<u>\$250.00</u>
4.2	Annual test and inspection for mobile (truck mounted) hydraulic crane 9-50 ton capacity per ANSI B30 or most current version.	<u>\$375.00</u>	<u>\$425.00</u>
<b>5.</b>	<b><u>Manual Propelled Man Lift</u></b>		
5.1	Annual test and inspection for manual propelled man lifts per ANSI A92.3 or most current version.	<u>\$125.00</u>	<u>\$125.00</u>
<b>6.</b>	<b><u>Overhead Cranes</u></b>		
6.1	Annual test and inspection for overhead cranes per ASME B30 or most current version.	<u>\$100.00</u>	<u>\$100.00</u>
<b>7.</b>	<b><u>Automotive Lifts</u></b>		
7.1	Annual test and inspection for Automotive Lifts per ANSI/ALIOIM 2008 R2013 manual propelled man lift per ANSI A92.3 or most current version.	<u>\$100.00</u>	<u>\$100.00</u>

**DIVERSIFIED INSPECTIONS  
CONTRACT No. 105035**

		<u>Regular Schedule Test/Inspection</u>	<u>Emergency Schedule Test/Inspection</u>
<b>1.</b>	<b><u>Bucket Truck Inspections</u></b>		
1.1	Annual test and inspection for aerial personnel devices that DO NOT require dielectric test, per ANSI/SIA A92.2 most current version.	<u>\$255.00</u>	<u>\$385.00</u>
1.2	Annual test and inspection for aerial personnel devices that DO require dielectric test, per ANSI/SIA A92.2 most current version.	<u>\$339.00</u>	<u>\$469.00</u>
1.3	Dielectric test for Hotstick	<u>\$12.00</u>	<u>\$13.00</u>
<b>2.</b>	<b><u>Digger Derricks</u></b>		
2.1	Annual test and inspection for digger derricks that DO NOT require dielectric test, per ANSI A10.31 most current version.	<u>\$255.00</u>	<u>\$385.00</u>
2.2	Annual test and inspection for digger derricks that DO Require dielectric test, per ANSI A10.31 most current version.	<u>\$339.00</u>	<u>\$469.00</u>
<b>3.</b>	<b><u>Underbridge Equipment</u></b>		
3.1	Annual test and inspection for under bridge machine per ANSI/SIA A92.8 or most current version	<u>\$374.00</u>	<u>\$504.00</u>

**MINN HOIST INSPECTIONS, INC.**  
**CONTRACT No. 105037**

	<u>Regular Schedule Test/Inspection</u>	<u>Emergency Schedule Test/Inspection</u>
<b>4. <u>Truck Mounted Hydraulic Cranes</u></b>		
4.1 Annual test and inspection for mobile (truck mounted) hydraulic crane 1-9 ton capacity per ANSI B30.5 or most current version.	<u>\$125.00</u>	<u>\$175.00</u>
4.2 Annual test and inspection for mobile (truck mounted) hydraulic crane 9-50 ton capacity per ANSI B30 or most current version.	<u>\$155.00</u>	<u>\$205.00</u>
<b>6 <u>Overhead Cranes</u></b>		
6.1 Annual test and inspection for overhead cranes per ASME B30 or most current version.	<u>\$105.00</u>	<u>\$155.00</u>
<b>7. <u>Automotive Lifts</u></b>		
7.1 Annual test and inspection for Automotive Lifts per ANSI/ALIOM 2008 R2013 manual propelled man lift per ANSI A92.3 or most current version.	<u>\$95.00</u>	<u>\$145.00</u>

**PRODUCT OR SERVICE**

**SWIFT UNSPSC: 81141804**