

CHICAGO TRANSIT AUTHORITY  
Advertisement for Bids

Sealed bids will be received for the following by Chicago Transit Authority at the Bid Office - 2<sup>nd</sup> Floor, 567 W. Lake Street, Chicago, IL, 60661-1498, no later than 11:00 a.m. on Friday, April 8, 2011 at which time all such bids will be opened publicly and read aloud:

- ➔ Req No: B100P01570, Spec. No. CTA Various  
Various maintenance and repair tool sets, and tool cabinets & bags as required for a period of (36) months from date of contract execution.

PROPOSAL GUARANTEE: NONE

Req No: B110P03339, Spec. No. CTA 9347-06B(R10).  
Pipe insulation repair & installation as required for a period of (36) months from date of contract execution.

PROPOSAL GUARANTEE: NONE

For additional information, please contact Leonard Kutkowski, Sr. Procurement Administrator, 312/681-2658.

Req No: B110P00699, Spec. No. CTA 611-09  
Salt: Bags as required for a period of (36) months from date of contract execution.

PROPOSAL GUARANTEE: NONE

For additional information, please contact John M. Hendele III, Procurement Administrator, 312/681-2449.

Any contract resulting from this advertisement will be awarded to the lowest responsive and responsible bidder.

The contractor will be required to furnish certified copies of any and all Insurance Policies required in relation to this contract prior to CTA's execution.

Chicago Transit Authority hereby notifies all bidders that it will affirmatively ensure that in regard to any contract entered into pursuant to this advertisement, Disadvantaged Business Enterprise will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

**PLEASE NOTE:** Where bids are sent by mail, delivery service or delivered in-person to the CTA Bid Office, the bidders shall be responsible for their delivery only to the Bid Office before the advertised date and hour for the opening of the bids. The Bid Office hours are Monday through Friday from 8:00 a.m. to 4:30 p.m. Chicago time, except holidays.

The right is reserved to accept any bid or any part or parts thereof or to reject any and all bids.

All inquiries should be directed to and copies of bid documents obtained from the Bid Office - 2<sup>nd</sup> Floor, 567 W. Lake Street, Chicago, Illinois 60661-1498.

CHICAGO TRANSIT AUTHORITY

By: Geoffrey Urban  
General Manager, Purchasing

March 18, 2011



**PROCUREMENT SPECIFICATIONS AND CONTRACT DOCUMENTS  
FOR:**

**VARIOUS MAINTENANCE AND REPAIR TOOL SETS, & TOOL  
CABINETS & BAGS, AS REQUIRED FOR A PERIOD OF 36 MONTHS FROM DATE  
OF CONTRACT**

**REQUISITION NO.:** B100P01570      **SPECIFICATION NO.:** SPECIFICATION NO.  
CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-  
05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-  
07(R09); 6174-10; 6825-09; 9134-10A

**DRAWING NO.:** None

**PROJECT NO.:** None

**INSURANCE REQUIRED:** None  
Required

**BID DEPOSIT AMOUNT:** None

**FOR INFORMATION CONTACT:**

**Sr. Procurement Administrator:** LEONARD KUTKOWSKI  
**Phone Number:** (312) 681-2658

**BID PACKAGES TO BE RETURNED TO:**

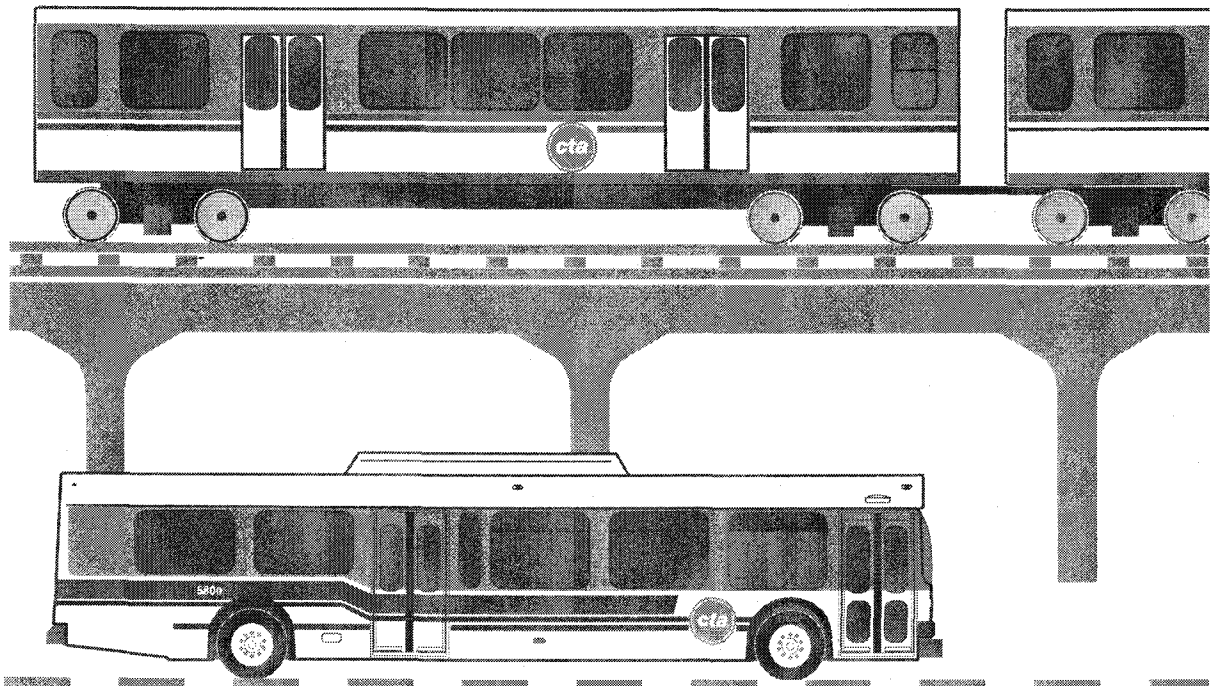
By Mail

Chicago Transit Authority  
Bid Office  
P.O. Box 7554  
Chicago, IL 60680-7554

Delivery Service or In Person Drop-off

Chicago Transit Authority  
Bid Office – 2<sup>nd</sup> Floor  
567 W. Lake Street  
Chicago, IL 60661-1498

All Signatures to be sworn before a Notary Public



**ISSUED BY**  
**Purchasing Department**  
**Chicago Transit Authority**  
**P.O. Box 7560, Chicago, IL 60680-7560**  
**Marina Popovic, Vice-President, Purchasing**  
**Richard L. Rodriguez, President**  
**Terry Peterson, Chairman**

# READ THIS PAGE BEFORE FILLING OUT BID PACKAGE

## DOCUMENT PREPARATION for Materials & Supplies

Two (2) copies of this bid package are included. One (1) copy is for your file. One (1) complete copy is to be returned in the enclosed envelope or a sealed envelope identified with the following: Bidder's name, Address, Title of the proposal, including Requisition Number, Advertised date of bid opening, and the hour designated for the bid opening as shown on the advertisement. Returned copy must contain original signatures.

### SIGNATURES REQUIRED ON THE FOLLOWING ITEMS

- **DBE PARTICIPATION SCHEDULES B, C, & D** – *Schedules C and D must be filled out and signed by all bidders/DBE subs; Schedule B must also be filled out and signed if the bidder is a joint venture.* All information relative to Disadvantaged Business Enterprise (DBE) participation for this contract is outlined in the DBE Special Conditions section entitled, "Disadvantaged Business Enterprise Commitment" (15 pages).
- **GOOD FAITH EFFORTS TO MEET CONTRACT DBE GOAL** – If the contract DBE goal (if any) cannot be fully met through DBE participation on this contract, the bidder must submit a signed letter on its company letterhead and supporting documentation to show that all reasonable "Good Faith Efforts" were made toward fulfilling the required DBE goal. Please refer to "SPECIAL CONDITIONS -DISADVANTAGED BUSINESS ENTERPRISE COMMITMENT" Good Faith Efforts (Section V or VI) for further details. Failure to document Good Faith Efforts to meet the contract DBE goal when the goal cannot be fully met through participation will result in a "Non-Responsive" (Disqualified) bid which will be ineligible for contract award.
- **BUY AMERICA CLAUSES** – Certificate of Compliance or Non-Compliance with Sections 165(a) and 165(b)(3). [Does not apply to Operating funded procurements, personal minicomputer purchases or purchases less than \$100,000.00.]
- **CERTIFICATION REGARDING A DRUG FREE WORKPLACE**
- **CERTIFICATION OF PARTICIPANT REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS.** Two forms: PRIMARY and LOWER TIER (when applicable).
- **CERTIFICATION FOR CONTRACTS, GRANTS, LOANS AND COOPERATIVE AGREEMENTS (LOBBYING CERTIFICATION)**

A NOTARIZED SIGNATURE by an authorized officer of your business must appear on one of the following Proposal Execution pages:

- **TO BE EXECUTED BY A CORPORATION**

The SIGNATURE OF AUTHORIZED OFFICER, under Corporate Name must be President or Vice President. If signed by any other person, a resolution or by-law authorizing such person to execute a contract must accompany the Proposal.

Note – Name of Signatory in Notary is same name as Signature of Authorized Officer.

- **TO BE EXECUTED BY PARTNERSHIP OR JOINT VENTURE**

Note – Name of Signatory in Notary is same name as first signature line – Partner.

- **TO BE EXECUTED BY SOLE PROPRIETOR**

Note – Name of Signatory in Notary is same name as Name of Bidder.

OWNERSHIP DISCLOSURE – This document is required, failure to address this will cause a delay in the execution of the contract.

INSURANCE (when required) – The awarded contractor must provide **certified** copies of insurance policies in order to allow for contract execution. CTA is to be named an **additional insured**. This should be taken into consideration when submitting your bid.

**Note:** Questions on the Detail Specification must be in writing to the Procurement Administrator listed on the front of the bid document no later than seven (7) calendar days prior to the bid due date. After that, there will not be sufficient time for the Procurement Administrator to obtain responses to questions.

**Failure to sign the documents listed above may result in your firm not being awarded the contract.**



## **CONTRACT FOR SUPPLIES REQUIREMENTS FOR BIDDING AND INSTRUCTIONS TO BIDDERS**

Bids will be received by the **CHICAGO TRANSIT AUTHORITY**, a Municipal Corporation, in accordance with the Contract Documents set forth herein.

### **1. DEFINITIONS:**

The term "Authority" means the Chicago Transit Authority acting by and through the Chicago Transit Board or its duly authorized agent, servant or employee in connection with these Contract Documents. The term "Purchasing Agent" means the Purchasing Agent of the Chicago Transit Authority, whose duties and responsibilities are more particularly described in the "Purchase and Sales Regulations and Ordinances of the Chicago Transit Board," and the term "Designee" means any person or persons authorized by the Purchasing Agent to act for the Purchasing Agent in connection with this Contract. The singular shall include the plural and the masculine includes the feminine.

### **2. COMPLIANCE WITH LAWS:**

The bidders shall at all times observe and comply with all laws, ordinances, regulations and codes of the Federal, State, City, and other local government agencies, which may in any manner affect the preparation of bids or the performance of the Contract.

### **3. BID DEPOSIT:**

A bid shall, when required in the advertisement, be accompanied by cash, a cashier's check, a certified check, a money order or an approved bid bond in the amount shown in the advertisement, and as may be prescribed in the Contract Documents.

All certified, cashier's checks or money orders shall be drawn on a responsible organization doing business in the United States and shall be made payable to the order of the Chicago Transit Authority.

Any bid bond submitted must reference the specific CTA inquiry numbers and have an Alfred M. Best Company "B+" Policyholders Rating and an "X" Financial Rating or better.

The period of the bond must be for not less than ninety (90) days from the date of bid opening.

### **4. PREPARATION OF BID:**

The bidder shall prepare his bid in DUPLICATE on the attached bidding forms, submit one (1) copy and retain one (1) for your records. Unless otherwise stated on the bidding form, all blank spaces on the bid, applicable to the subject specification, must be correctly filled in. Either a unit price or a lump sum price, as the case may be, must be stated for each and every item, either typed in or written in ink, in figures, and if required, in words.

If bidder is a Corporation, the President or Vice-President and Secretary or Assistant Secretary, shall execute both copies of the bid. The Corporation shall affix its seal to both copies. In the event that this bid is executed by someone other than the President or Vice-President, a certified copy of that section of the Corporate By-Laws or resolution of the Corporation which permits the person to execute the offer for the Corporation shall be furnished with the bid.

If bidder is a Partnership or Joint-Venture, all partners or joint-ventures shall execute both copies of the bids unless one partner or joint-venture has been authorized to sign for the Partnership or Joint-Venture, in which case, evidence of such authority satisfactory to the Purchasing Agent shall be submitted with the bid.

If bidder is a Sole Proprietor, he shall execute both copies of the bid.

A "Partnership," "Joint-Venture" or "Sole Proprietor" operating under an Assumed Name must be registered with the Illinois County in which located, as provided in the Assumed Business Name Act, 805 ILCS 405 et seq., as amended.

**ALL SIGNATURES MUST BE SWORN TO BEFORE A NOTARY PUBLIC**

## **5. SUBMISSION OF BIDS:**

All prospective bidders shall submit **ONE (1) SEALED BID** in the envelope provided for that purpose to the CHICAGO TRANSIT AUTHORITY, Bid Office, P.O. Box 7554, Chicago, Illinois 60680-7554; or, if the bid is submitted in an envelope other than those so provided for this purpose, then the sealed envelope submitted by the prospective bidder shall carry the following information on the face of the envelope: **bidder's name, address, subject matter of bid, including identifying numbers, advertised date of bid opening, and the hour designated for the bid opening as shown on the advertisement.**

Where bids are sent by mail to the CTA Bid Office, the bidders shall be responsible for their delivery to the Bid Office before the advertised date and hour for the opening of bids. If the mail is delayed beyond the date and hour set for the bid opening, bids thus delayed will not be considered and will be returned unopened.

Where bids are sent by delivery service or delivered in-person to the CTA Bid Office, the bidders shall be responsible for their delivery to the Bid Office before the advertised date and hour for the opening of bids. If the delivery of the bid is delayed beyond the date and hour set for the bid opening, bids thus delayed will not be considered and will be returned unopened. The Bid Office hours are Monday through Friday from 8:00 am to 4:30 pm Chicago time, except holidays.

## **6. WITHDRAWAL OF BIDS:**

Bidders may withdraw their bids at any time prior to the date and hour specified in the advertisement for the receipt of bids. However, no bidder shall withdraw or cancel his bid for a period of ninety (90) calendar days after said advertised date and hour for the receipt of bids.

## **7. RESPONSIBILITY OF BIDDER:**

The Authority reserves the right to refuse to accept any bid from any person, firm or corporation that is in arrears or is in default to the Chicago Transit Authority upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligations to the Authority, or had failed to perform faithfully any previous contract with the Authority.

The bidder, if requested, must present within two (2) working days, evidence satisfactory to the Purchasing Agent or his designee, of performance ability and possession of necessary facilities, pecuniary resources and adequate insurance to comply with the terms of these specifications and Contract Documents.

## **8. CONSIDERATION OF BIDS:**

The Authority reserves the right to extend the bid opening date and to reject any or all bids or any part thereof. The Authority further reserves the right to excuse informalities in the bids and bidding when, in the judgment of the Authority, the best interests of the Authority will be served and the spirit of competition will be maintained.

## **9. NEGOTIATED CONTRACTS:**

The Authority reserves the right to reject all bids received and negotiate a contract with any an all responsible bidders, if the bids received are at unreasonable prices but otherwise acceptable, or for other reasons determined to be clearly in the public's best interest and in accordance with established guidelines.

In the event that negotiations are conducted, the Authority or its duly authorized representative shall have the right to examine and audit books, records, documents and other evidence and accounting procedures and practices, sufficient to reflect properly all costs claimed to have been incurred or anticipated in performing this contract. The Contractor agrees to include in first-tier subcontracts under this contract a clause to the effect that the Authority or duly authorized representatives have access to and the right to examine any of the subcontractor's directly pertinent books, documents, papers, or other records involving transactions related to the subcontract.

#### **10. ACCEPTANCE OF BIDS:**

The Authority will accept in writing one or more of the bids or reject all bids within ninety (90) days from the date of opening the bids, unless the lowest responsible bidder, upon request of the Purchasing Agent or his designee, extend the time of acceptance.

The contract shall not be in force and effect until the Chairman of the Board of the Chicago Transit Authority, or his designee, has affixed his signature to the Contract Document.

#### **11. PERFORMANCE-PAYMENT BOND AND INSURANCE:**

When required by the Contract Documents, the successful bidder or bidders shall, within ten (10) working days after acceptance of the bid by the Authority, furnish a performance-payment bond in the full amount of the contract on an approved American Institute of Architects (A.I.A.) bond form and/or furnish and keep in force, during the life of the contract, any and all insurance in amounts designated, as provided in the Insurance Requirements, form CTA 415.27 (Revised) attached hereto, with insurance companies acceptable to the Chicago Transit Authority. Any insurance company with less than a (B+) policyholder rating by Alfred M. Best Co. will not be acceptable to the Chicago Transit Authority.

#### **12. FAILURE TO FURNISH BOND OR INSURANCE:**

In the event that the bidder fails to furnish the performance-payment bond and/or insurance requirements in said period of ten (10) working days after acceptance of the bid, then, the bid deposit of the bidder may be retained by the Authority. This bid deposit may be used as liquidated damages, not as a penalty, to partially cover costs and losses by the Authority.

#### **13. INTERPRETATION OF CONTRACT DOCUMENTS:**

If any person contemplating submitting a bid is in doubt as to the meaning of any part of the Contract Documents, he may submit to the Purchasing Agent a written request for an interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents will be made only by Addendum duly issued by the Purchasing Agent or his designee. A copy of such addendum will be mailed or delivered to each person receiving a set of such Contract Documents and to such other prospective bidders as shall have requested that they be furnished with a copy of each Addendum. Failure on the part of the prospective bidder to receive a written interpretation prior to the time of the opening of bids will not be grounds for withdrawal of bid. Oral explanation will not be binding. **Bidder must acknowledge receipt of each addendum issued in space provided on the signature page of Bid Documents.**

#### **14. CATALOGS:**

Subsequent to bid opening, when requested by the Purchasing Agent or his designee, each bidder shall submit in **DUPLICATE**, catalogs, descriptive literature, and detailed drawings, fully detailing features, designs, construction, appointments, and finishes, necessary to fully describe the material or work he proposes to furnish. This information will be furnished to the Authority within ten (10) calendar days from date of request. Failure to furnish this information may result in the disqualification of the Bid.

#### **15. TRADE NAMES:**

In cases where an item is identified by a manufacturer's name, trade name, catalog number, or reference, it is understood that the bidder proposes to furnish the item so identified and does not propose to furnish an "equal" unless the proposed "equal" is definitely indicated by the bid.

The reference to the manufacturer's name, trade name, catalog number, or reference, is intended to be descriptive but not restrictive and only to indicate to the prospective bidder articles that will be satisfactory. Bids on other makes and catalogs will be considered, provided each bidder clearly states on the face of his bid exactly what he proposes to furnish, or forwards with the bid, a cut, illustration, or other descriptive matter which will clearly indicate the character of the article covered by his bid.

The Purchasing Agent, or his designee, hereby reserves the right to approve an "equal" or to reject as not being an "equal," any article the bidder proposes to furnish which contains variations from specification requirements.

#### **16. RETURN OF BID DEPOSIT:**

The bid deposit of all bidders, except the two apparent lowest bidders on each contract, will be returned within ten (10) calendar days after the opening of bids. The bid deposit of the two apparent lowest bidders will be returned after the bid has been accepted by the Authority including the acceptance by the Authority of satisfactory performance-payment bond and/or insurance where such bond or insurance are required.

Within 10 days after the date of opening of bids a bidder may request that a bid bond be substituted for the bid deposit. The Manager, Material Management, may allow substitution of a bid deposit upon application in writing to the Manager, Materials Management, and submittal of a bid bond in an amount equal to the bid deposit. Any bid bond submitted must reference the specific CTA inquiry number and have an Alfred M. Best Company "B+" Policyholders Rating and an "X" Financial Rating.

The period of the bond must be for not less than ninety (90) days from the date of bid opening.

#### **17. TAXES:**

Federal Excise Tax does not apply to materials purchased by the Chicago Transit Authority by virtue of Exemption Certificate No. 36-73-0234K. Illinois Retailers' Occupation Tax, Use Tax, and Municipal Retailers' Occupational Tax does not apply to materials or services purchased by the Authority by virtue of Statute Chapter 111 2/3 and Section 333, Illinois Revised Statutes as amended. These taxes shall not be included in any of the prices quoted herein. Illinois Tax Exemption Identification number is E9978-2987-05. The prices quoted herein shall agree with all Federal Laws and Regulations.

#### **18. ORDER OF PRECEDENCE OF COMPONENT PARTS OF THE CONTRACT DOCUMENTS:**

The order of precedence of the component parts of the Contract Documents shall be as follows:

- |  |   |
|--|---|
| 1. General Conditions  | 6. Bid and Signature and Acceptance forms |
| 2. Special Conditions  | 7. Advertisement for Bids                 |
| 3. Plans and Drawings, if any                                    | 8. Instructions to Bidders                |
| 4. Detailed Specifications                                       | 9. Bond, if required                      |
| 5. Standard Requirements of State and Federal Government, if any | 10. Insurance, if required                |

Any Addenda, which may be issued, shall be a part of these Contract Documents and shall take precedence over any other part of the Contract Documents wherever they conflict therewith.

The foregoing order of precedence shall govern the interpretation of the Contract Documents in all cases of conflict or inconsistency therein, except as may be otherwise expressly provided in other component parts of the Contract Documents.

#### **19. NOTICE:**

All communications and notices provided herein shall be in writing, delivered personally or by mail, to the name and address of the accepted bidder as provided on the signature page of the bid hereof, or to the Chicago Transit Authority, Attention, Purchasing Agent, P.O. Box 7560, Chicago, Illinois 60680-7560.

# **CONTRACT FOR SUPPLIES GENERAL CONDITIONS**

## **1. NON-DISCRIMINATION:**

The Contractor, in performing under this Contract, shall not discriminate against any worker, employee or applicant or any member of the public, because of race, creed, color, age, sex ancestry, handicap or national origin, nor otherwise commit an unfair employment practice. The Contractor further agrees that this Article will be incorporated by the Contractor in all contracts entered into with suppliers of materials or services, contractors and subcontractors, and all labor organizations furnishing skilled, unskilled and craft union skilled labor, or who may perform any such labor or services in connection with the Contract.

The Contractor's attention is called to the provisions of the Illinois Human Rights Act, which are hereby incorporated by reference.

To demonstrate compliance, the Contractor and his subcontractors will furnish such reports and information as requested by Chicago Transit Authority or any Federal, State or local government or agencies that may require such information as a condition of financial assistance in whole or in part.

## **2. DISADVANTAGED BUSINESS ENTERPRISES:**

All parties are hereby notified that in regard to any contract resulting from this invitation to bid, Disadvantaged Business Enterprises will be afforded full opportunity to participate, and will not be discriminated against because of race, color, sex, or national origin in consideration for an award.

## **3. INDEMNIFICATION:**

The contractor shall indemnify, keep and hold harmless the Chicago Transit Authority, its officers, employees and agents against all injuries, deaths, losses, damages, claims, suits, liabilities, judgments, costs and expenses, of whatever kind, including but not limited to attorney's fees, which may accrue against the Chicago Transit Authority, its officers, employees and agents arising out of, as a result of, or in consequence of the acts or omissions of the Contractor in furtherance of the contract, including acts or omissions of the Contractor's servants, employees, subcontractors, agents, or officers, in the performance of the work covered by the contract.

## **4. SUBLETTING OR ASSIGNMENT OF CONTRACT OR CONTRACT FUNDS:**

No contracts shall be assigned or sublet in whole or in part without the written approval of the Purchasing Agent, and in no case shall such written approval relieve the Contractor from his obligations or change the terms of the Contract Documents.

The Contractor shall not transfer or assign any contract funds or claims due or to become due without the written approval of the Purchasing Agent having been first obtained.

## **5. GUARANTEES AND WARRANTIES:**

All guarantees and warranties required shall be furnished by the Contractor and shall be delivered to the Purchasing Agent or his designee before final payment on the contract is issued.

## **6. DELIVERY:**

All materials shipped to the Chicago Transit Authority must be shipped F.O.B. destination location. Chicago Metropolitan Area, Illinois. If prior delivery notification is specified, arrangements must be made by the vendor with the Authority's designated receiving location at least 24 hours in advance to arrange for receipt of the materials. The material must then be delivered where directed and as agreed upon.

Unless otherwise specified or agreed upon, truck deliveries to locations other than 567 W. Lake will be accepted not earlier than 7:00 A.M. and not later than 3:00 P.M. on weekdays only. No deliveries will be accepted on Saturdays, Sundays or Holidays. Deliveries to 567 W. Lake shall be made between 8:00 A.M. and 4:00 P.M., on weekdays only.

The quantity of material delivered by truck shall be ascertained from a weight certificate issued by a duly licensed Chicago Public Weigh-Master upon request. In the case of delivery by rail, weight will be ascertained from bill-of-lading from originating line, but the Authority reserves the right to re-weigh at the nearest available railroad scale.

#### **7. DEMURRAGE AND RE-SPOTTING:**

The Authority will be responsible for demurrage charges only when such charges accrue because of the Authority's failure to unload the material.

The Authority will pay railroad charges due to the re-spotting of cars, only when such re-spotting is ordered by the Authority.

#### **8. MATERIALS INSPECTION AND RESPONSIBILITY:**

The Purchasing Agent, or his designee, shall have a right to inspect any materials to be used in carrying out this contract.

The Authority does not assume any responsibility for the availability of any controlled materials or other materials and equipment required under this contract. All materials and equipment furnished under the contract shall be new, unless otherwise specifically stated.

The Contractor shall be responsible for the contracted quality and standards of all materials, components or completed work furnished under this contract.

Materials, components or completed work not complying therewith may be rejected by the Purchasing Agent or his designee and shall be replaced by the Contractor at no cost to the Authority.

Any materials or components rejected shall be removed within a reasonable time from the premises of the Authority, at the entire expense of the Contractor, after written notice has been mailed by the Authority to the Contractor that such materials or components have been rejected.

#### **9. ORDER OF PRECEDENCE OF BEST PRICE:**

In determining the best price, the Authority reserves the right to consider the bids in the following order of precedence:

- A. Firm fixed price or charge;
- B. Base price or charge plus escalation specified in Special Conditions, if any;
- C. Base price or charge plus maximum percent or dollar escalation.

In the event that a contract is awarded that includes an escalation provision, the Authority reserves the right to require evidence satisfactory to the Authority which justifies any and all price or charge increases provided under the escalation provision. Such evidence shall be requested in writing within ten (10) working days from receipt of invoices, clearly designating that part of the billing, which reflects the escalated price or charge.

#### **10. PAYMENT:**

Payment to Contractor shall be as specified in Special Conditions of this contract.

#### **11. CASH BILLING DISCOUNT:**

Cash Billing or percentage discount for payment of invoices within a specified period of time will **not** be considered by CTA in evaluating bids. When determining if it has earned a cash billing discount offered by the contractor, CTA will consider the date of the invoice plus two days for mailing or the date of receipt of the goods or services, whichever is later, and will end on the date the check is mailed in payment of the invoice. If a discount period ends on a Saturday, Sunday or legal holiday, the discount periods will be extended to the next succeeding workday.

## 12. INVOICES:

Invoices must be sent to the Chicago Transit Authority, Accounting Department, P. O. Box 7565, Chicago, Illinois 60680-7565. Invoices must bear the order number and, if an annual contract, release number as issued. Invoices must not cover more than one order or release number.

## 13. PRICE REDUCTION:

If the Contractor to whom a contract has been awarded makes a general price reduction effective on or after the date of his bid in the comparable price of any material covered by the contract to customers generally, an equivalent price reduction based on similar quantities and/or considerations shall apply to the contract for the duration of the contract period (or until the price is further reduced). Such price reductions shall be effective at the same time and in the same manner as the reduction in the price to customers generally. For the purpose of this provision, a "general price reduction" shall mean any horizontal reduction in the price of an article or service offered—(1) to Contractor's customers generally, or (2) in the Contractor's price schedule for the class of customers, i.e., wholesalers, jobbers, retailers, etc., which was used as the basis for bidding on this contract. An occasional sale at a lower price, or sale of distressed merchandise at a lower price, would not be considered a "general price reduction" under this provision. The Contractor shall invoice the Authority as such reduced prices, indicating on the invoice that the reduction is pursuant to the "Price Reduction" provision of the Contract Documents. The Contractor, in addition, shall within ten (10) days of any general price reduction notify the Purchasing Agent of the Chicago Transit Authority of such reduction by letter. Failure to do so may require termination of this contract.

The Contractor, when required by the Purchasing Agent within ten (10) days after the end of the contract period, shall furnish a statement certifying either—(1) that no general price reduction, as defined herein, was made after the date of the bid or offer, or (2) if any such general price reductions were made, that, as provided herein, they were reported to the Purchasing Agent within ten (10) days, and the Authority was billed at the reduced prices. Where one or more such general price reductions were made, the statement furnished by the Contractor shall include, with respect to each price reduction,—(1) the date when notice of any such reduction was issued, (2) the effective date of the reduction, and (3) the date when the Purchasing Agent was notified of any such reduction.

## 14. DEFAULT:

(a) The Authority may, subject to the provision of Paragraph (c) below, by written notice of default to the Contractor, terminate the whole or any part of this contract in any one of the following circumstances:

- (i) if the Contractor fails to make delivery of the supplies or to perform the services within the time specified herein or any extension thereof; or
- (ii) if the Contractor fails to perform any of the other provisions of this contract, or so fails to make progress as to endanger performance of this contract in accordance with its terms, and in either of these two circumstances does not cure such failure within a period of ten (10) days (or such other period as the Purchasing Agent may authorize in writing) after receipt of notice from the Purchasing Agent specifying such failure.

(b) In the event the Authority terminates this contract in whole or in part as provided in Paragraph (a) of this clause, the Authority may procure, upon such terms and in such manner as the Purchasing Agent may deem appropriate, supplies or services similar to those so terminated, and the Contractor shall be liable to the Authority for any excess costs for such similar supplies or services. **Provided:** That the Contractor shall continue the performance of this contract to the extent not terminated under the provisions of this clause.

(c) The Contractor shall not be liable for any excess costs if acceptable evidence has been submitted to the Purchasing Agent that failure to perform the contract was due to causes beyond the control and without the fault or negligence of the Contractor.

**15. DISPUTES:**

Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disposed of shall be decided after hearing by the Purchasing Agent who shall reduce his decision to writing. This decision shall be final and binding. A copy of the decision shall be communicated to the Contractor as herein provided.

**16. EXECUTION:**

All business which submit responses or bids and all businesses awarded contracts by the CTA are hereby notified that no contract, modification, amendment, change order or extension, if any, shall be effective, or in any way obligate the CTA, until it has been executed by the CTA signatory duly authorized by the CTA's Regulations, By Laws, and Procedures.



**SPECIAL CONDITIONS  
DISADVANTAGED BUSINESS ENTERPRISE COMMITMENT  
INVITATION FOR BIDS  
REQUISITION NUMBER: B10OP01570**

**I. POLICY AND TERMS**

- A. The policy of the Chicago Transit Authority is to create a level playing field on which Disadvantaged Business Enterprises (DBE) as defined in United States Department of Transportation (USDOT) Regulation 49 C.F.R. Part 26.
- B. The Authority has established the following DBE participation goal for this project:
- Disadvantaged Business Enterprise Goal: 5%**
- C. The DBE participation goal shall be expressed as a percentage of the total contract price. However, in the event this is a revenue generating contract, the DBE participation goal is based on the bidder's operating expenses and not on the total anticipated revenue to be generated by the contract. The bidder may also meet the goal by showing good faith efforts to meet the goal as described in 49 C.F.R. Part 26 and as set forth in Section V below. **Any evidence of good faith efforts must be submitted with the sealed bid or the bid will be rejected in its entirety.**
- D. The DBE participation goal shall apply to the total dollar value of this contract, inclusive of all amendments, modifications, options, and change orders. The bidder agrees to make its best effort to include DBE participation in any contract modification work.
- E. The goal may be met, as further explained in Section IV hereof, by the bidder's status as a DBE, by a joint venture with one or more DBEs, by subcontracting a portion of the work to one or more DBEs, by the purchase of materials used in the performance of the contract from one or more DBEs or by any combination of the above or through a showing of good faith efforts as defined in Section V hereof.
- F. A bidder who fails to meet the DBE goal and fails to demonstrate sufficient and reasonable good faith efforts shall not be eligible to be awarded the contract. All documentation of good faith efforts by a bidder **must** be included in the envelope or package containing the bid.
- G. The Authority prohibits agreements between a bidder and a DBE in which the DBE promises not to provide subcontracting quotations to other bidders.

**II. DEFINITIONS**

- A. **"Area of Specialty"** means the description of the DBE's business, which has been determined by the General Manager, DBE Program, to be most reflective of the DBE's claimed specialty or expertise. Credit toward the DBE participation goal for this contract shall be limited to the participation of firms performing within their Area of Specialty. The Authority reserves the right to investigate and determine active DBE participation and applicable DBE credit specifically identified for this contract prior to award.

**NOTICE: The Authority does not make any representations concerning the ability of any DBE to perform work within its Area of Specialty. It is the responsibility of the bidder to determine the capability and capacity of the DBE firms to satisfactorily perform the work proposed.**

- B. **"Bid"** includes the following Authority purchasing requests: Invitation for Bids (IFB).
- C. **"Bidder"** includes bidders and contractors. The terms "Bidder" and "Contractor" may be used interchangeably in these Special Conditions.
- D. **"Disadvantaged Business Enterprise" or "DBE"** means a small business certified by the Illinois Universal Certification Program (IL UCP) as a business owned and controlled by socially and economically disadvantaged individuals in accordance with USDOT Regulation 49 CFR, Part 26.
- E. **"Directory"** means the Directory of Certified Disadvantaged Business Enterprises maintained and published by IL UCP and entitled the "IL UCP DBE Directory." The directory will be available on the Authority's web site. Bidders are responsible for verifying the current certification status of all proposed DBE's.
- F. **"Good Faith Efforts"** means efforts to achieve a DBE contract goal as specified in 49 CFR, Part 26 and Section V hereof.
- G. **"IL UCP"** means the Illinois Unified Certification Program.
- H. **"Joint Venture"** means an association of two or more businesses to carry out a single business enterprise for profit, and for which purpose they combine their expertise, property, capital, efforts, skill and knowledge. Bidders may develop joint venture agreements as an instrument to provide participation by DBEs in contract work. A joint venture seeking to be credited for DBE participation may be formed among DBE firms or between a DBE firm and non-DBE firm.

In order to qualify for credit as a DBE, the DBE must be responsible for a distinct, clearly defined portion of the work and the DBE must share in the capital contribution, control, management, risks and profits of the joint venture commensurate with its ownership interest.
- I. **"Purchasing Agent"** means the Authority employee who holds the position of General Manager, Purchasing, or the successor position.
- J. **"Small Business Concern"** means a small business as defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto except that a small business concern shall not include any concern or groups of concerns controlled by the same socially and economically disadvantaged individual or individuals which has annual average gross receipts in excess of \$19.570 million, or as revised from time to time, over the three (3) previous fiscal years.
- K. **"Socially and Economically Disadvantaged Individuals"** means any individual who is a citizen of the United States (or lawfully admitted permanent residents) and who is in the following groups, the members of which are rebuttably presumed to be socially and economically disadvantaged:
  - 1. **"Black Americans"**, which includes persons having origins in any of the Black racial groups of Africa;
  - 2. **"Hispanic Americans"**, which includes persons of Mexican, Puerto Rican, Cuban, Dominican, Central or South American, or other Spanish or Portuguese culture or origin, regardless of race;

3. **"Native Americans"**, which includes persons who are American Indians, Eskimos, Aleuts, or Native Hawaiians;
4. **"Asian-Pacific Americans"**, which includes persons whose origins are from Japan, China, Taiwan, Korea, Burma (Myanmar), Thailand, Malaysia, Indonesia, Vietnam, Laos, Cambodia (Kampuchea), the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific (Republic of Palau), and the Commonwealth of the Northern Marianas Islands, Macao, Fiji, Tonga, Kirbati, Jauvlu, Nauru, Federated States of Micronesia or Hong Kong; and
5. **"Subcontinent Asian Americans"**, which includes persons whose origins are from India, Pakistan, Bangladesh, Bhutan, the Maldives Islands, Nepal or Sri Lanka.
6. **Women.**
7. Any additional groups whose members are designated as socially and economically disadvantaged by the SBA, at such time as the SBA designation becomes effective.

The General Manager, DBE Program, may determine on a case-by-case basis that individuals who are not members of one of the above-listed groups are socially and economically disadvantaged.

- L. **"USDOT" or "DOT"** refers to the U.S. Department of Transportation.

### III. **JOINT VENTURES**

The General Manager, DBE Program, will evaluate the joint venture agreement submitted on behalf of the proposed joint venture and all related documents to determine whether these DBE requirements have been satisfied. In addition, the General Manager, DBE Program, will consider the record of the joint venturers as joint venturers on other Authority contracts, if any.

**NOTE:** DBE/non-DBE joint ventures are creditable at any tier. Whenever a joint venture is proposed as the prime Contractor, Authority requires that each joint venturer sign the bid submitted to the Authority.

### IV. **COUNTING DBE PARTICIPATION TOWARD THE CONTRACT GOAL**

The inclusion of any DBE by the bidder in its bid documents shall not conclusively establish the bidder's eligibility for full DBE credit for the firm's participation in the contract. The amount of DBE participation credit shall be based upon an analysis by the General Manager, DBE Program, of the specific duties which will be performed by the DBE.

**The bidder may count toward its DBE goal only expenditures to firms which are currently certified by the IL UCP and which perform a commercially useful function.** A firm is considered to perform a commercially useful function when it is responsible for the performance of a distinct element of the work and carries out its responsibilities by actually performing, managing and supervising the work involved.

To determine whether a firm is performing a commercially useful function, the General Manager, DBE Program, will evaluate the amount of work subcontracted, industry practices and other relevant factors. The General Manager, DBE Program, reserves the right to deny or limit DBE credit to the bidder where any DBE is found to be engaged in substantial pass-through activities with others.

DBE participation shall be counted toward the DBE goal in the contract as follows:

- A. Once a DBE is determined to be eligible in accordance with these rules, the total dollar value of the contract awarded to the DBE may be counted toward the DBE goal except as indicated below.
- B. A bidder may count toward its DBE goal that portion of the total dollar value of a contract with an eligible joint venture equal to the distinct, clearly defined portion of the work of the contract that the DBE performs with its own forces.
- C. Consistent with normal industry practices, a DBE may enter into subcontracts. If a DBE subcontracts more than thirty percent (30%) or a significantly greater portion of the work of the contract than would be expected on the basis of normal industry practices, the DBE shall be presumed not to be performing a commercially useful function. Evidence may be presented by the bidder involved to rebut this presumption.
- D. When a DBE subcontracts a part of the work under the contract to another firm, the value of the subcontracted work may only be counted towards the DBE goal if the DBE's subcontractor is itself a DBE. Work that a DBE subcontracts to a non-DBE firm does not count towards the DBE goal.
- E. The bidder may count one-hundred percent (100%) of its expenditures for materials and supplies required under the contract and which are obtained from a DBE manufacturer towards the DBE goal. The bidder may count sixty percent (60%) of its expenditures for material and supplies under the contract obtained from a DBE regular dealer towards its DBE goal. The terms "manufacturer" and "regular dealer" are defined in 49 C.F.R. Part 26.55(e)(1)(ii) and (2)(ii).
- F. The bidder may count towards its DBE goal expenditures to DBEs which are not manufacturers or regular dealers, such as fees or commissions charged for services and assistance in the procurement of essential personnel, facilities, equipment, materials or supplies and transportation charges as set forth in 49 C.F.R. Part 26. However, the General Manager, DBE Program, must determine the fee or charge to be reasonable and not excessive as compared with fees or charges customarily allowed for similar services.
- G. The bidder must use good business judgment when negotiating with subcontractors and take a DBE's price and capabilities into consideration. The fact that there may be some additional costs involved in finding and using DBE firms is not sufficient reason to fail to meet the DBE goal set forth in the contract, as long as such costs are reasonable.

#### **V. GOOD FAITH EFFORTS**

In order to be responsive, a bidder must make good faith efforts to meet the DBE participation goal set forth in the contract. The bidder must document the good faith efforts it made in that regard. Thus, the Bid submitted to the Authority must be accompanied by written documentation prepared by the bidder evidencing all of its sufficient and reasonable good faith efforts toward fulfilling the goal. These efforts must be active steps, and ones, which could reasonably be expected to lead to sufficient DBE participation to meet the contract DBE participation goal. Mere *pro forma* efforts are not acceptable and will be rejected by the General Manager, DBE Program.

Good Faith Efforts require that the bidder consider all qualified DBEs, who express an interest in performing work under the contract. This means that the bidder cannot reject a DBE as unqualified unless the bidder has sound reasons based on a thorough investigation of the DBE's capabilities. Further, the DBE's standing within its industry, membership in specific groups, organizations or associations and political or social affiliation (for example, union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the Contractor's efforts to meet the contract DBE participation goal.

The following list, which is not exclusive or exhaustive, sets forth the types of actions, which indicate good faith efforts on the part of a bidder to meet the DBE goal. The extent and type of actions required will vary depending on such things as industry practice; the time available for submitting a bid and the type of contract involved.

- A. Attendance at a pre-bid meeting, if any, scheduled by the Authority to inform DBEs of subcontracting opportunities under a given solicitation.
- B. Advertisement in general circulation media, trade association publications, and minority-focus media for at least twenty (20) days before bids are due. If 20 days are not available, publication for a shorter reasonable time is acceptable.
- C. Written notification to capable DBEs that their interest in the contract is solicited.
- D. Documentation of efforts to negotiate with DBEs for specific sub-contracts including at a minimum:
  - 1. The names, addresses, and telephone numbers of DBEs that were contacted and the date(s) of contact.
  - 2. A description of the information provided to DBEs regarding the plans and specifications for portions of the work to be performed.
  - 3. A statement explaining why additional agreements with DBEs were not reached.
- E. For each DBE the bidder contacted but rejected as unqualified, the reason for the bidder's conclusion.
- F. Documentation of efforts made to assist the DBEs contacted that needed assistance in obtaining bonding or insurance required by the bidder or the Authority.
- G. Documentation of efforts to utilize the services of small business organizations, community and contractor groups to locate qualified DBEs.
- H. Documentation that the bidder has broken out contract work items into economically feasible units in fields where there are available DBE firms to perform the work.
- I. Evidence that adequate information was provided to interested DBEs about the plans, specifications and requirements of the contract, and that such information was communicated in a timely manner.
- J. Documentation of any efforts made to assist interested DBEs in obtaining necessary equipment, supplies, materials or related assistance or services.

#### **VI. GOOD FAITH EFFORTS RECONSIDERATION**

If it is determined that the apparent successful low bidders have failed to meet the requirements of the contract goal/good faith efforts, the Authority will provide them with **ONE** opportunity for administrative reconsideration, before the Authority awards the contract. This reconsideration will include the following:

- A. The bidder will be permitted to either provide written evidence or to present oral argument at a pre-scheduled time that the documentation it submitted with its bid met the DBE goal and/or showed good faith efforts to do so. **No new evidence of good faith efforts may be presented after the bid submission deadline.**
- B. The Authority's Reconsideration Officer will review the evidence presented by the bidder and issue a written determination that the bidder has: 1) met the DBE goal; 2) not met the DBE goal but has made adequate good faith efforts to do so; or 3) has not met the DBE goal and the good faith efforts made were not adequate.
- C. The decision of the Authority's Reconsideration Officer is final and may not be appealed to the Authority or its funding agencies.
- D. The Authority will not award a contract to any bidder who does not meet the contract DBE participation goal or show good faith efforts to meet that goal. Thus, it is essential that all bidders submit ALL relevant documentation concerning the DBE goal and/or good faith efforts in the envelope or package containing their sealed bid.

## VII. PROCEDURE TO DETERMINE BID COMPLIANCE

The bidder must complete and sign Schedule D to the Contract documents and must sign Schedule C. If the bidder is a joint venture, the bidder **MUST** complete and sign Schedule B. Schedule C **MUST** be completed and signed by the DBE subcontractor(s). All three Schedules **MUST** be submitted at the same time as or prior to submittal of the sealed bid. In addition, any documentation evidencing the bidder's good faith efforts to meet the contract DBE goal must be submitted with the bid. Any bids submitted without completed and executed Schedules C & D and/or evidence of good faith efforts, if applicable, will be deemed non-responsive and will be rejected by the Authority.

### A. Letters of Certification

- 1. A copy of each proposed DBE firm's current Letter of Certification or re-certification from the IL UCP should be submitted with the bid. **ALL CERTIFICATIONS BY THE IL UCP MUST BE PRE-CERTIFICATIONS. This means that the DBE's certification must be issued by the IL UCP before the due date for bids.**
- 2. All Letters of Certification or Re-certification issued by the IL UCP must include a statement of the DBE firm's area of specialization and appropriate DBE goal credit (see Section IV. COUNTING DBE PARTICIPATION TOWARD THE CONTRACT GOAL). The DBE firm's scope of work set forth on Schedule C must conform to its stated area of specialization. Where a DBE is proposed to perform work not covered by its area of specialization, the DBE firm must request an expansion of its area of specialization from the Authority in writing plus any other documentation required by the Authority to process said request prior to the time set by the Authority for bid opening. Further, the DBE's request must be agreed to by the General Manager, DBE Program, and the DBE firm must be certified prior to **DUE DATE OF BIDS.**

### B. Joint Ventures

- 1. Where the bidder proposes to include in its bid a DBE, which is a joint venturer, the bidder must submit a fully executed copy of the joint venture agreement with its bid. The joint venture agreement must show that the DBE firm will be responsible for a clearly defined portion of the work to be performed, and that the DBE firm's capital contribution, control, management, risks and profits are commensurate with its ownership interest.

2. Further, the proposed joint venture agreement shall include specific details related to: 1) contributions of capital and equipment; 2) work items to be performed by the DBE's own forces; 3) work items to be performed under the supervision of the DBE; 4) the DBE management, supervisory and operating personnel to be dedicated to the performance of the project; and (5) the authority of each joint venturer to contractually obligate the joint venture and to expend funds. Failure to submit a copy of the joint venture agreement will cause the firm to be considered by the Authority to be non-responsible.

## **VIII. REPORTING REQUIREMENTS DURING THE TERM OF THE CONTRACT**

- A. The bidder shall, within seven (7) calendar days of contract award, or prior to any work being performed by the DBE subcontractor, execute written subcontracts or purchase orders with the DBE subcontractors included in the bid. In the event the bidder cannot complete the agreement with one or more DBE subcontractors within this seven day period, the bidder must provide a written explanation for the delay and an estimated date by which the written agreement will be completed to the General Manager, DBE Program. These written agreements shall be made available to the General Manager, DBE Program, upon request. All contracts between the bidder and its subcontractors must contain a prompt payment clause as set forth in Section IX herein.
- B. During the term of annual contracts, the bidder shall submit regular "Status Reports of DBE Subcontract Payments" in a form acceptable to the Authority. The frequency with which these reports are to be submitted, will be determined by the General Manager, DBE Program, but in no event will reports be required less frequently than quarterly. **In the absence of written notice from the General Manager, DBE Program, the bidder's first "Status Report of DBE Subcontract Payments" will be due ninety (90) days after the date of contract award, with additional reports due quarterly thereafter.**
- C. In the case of a one-time procurement with either a single or multiple deliveries, a "Status Report of DBE Subcontract Payments," in a form acceptable to the Authority, indicating final DBE payments shall be submitted directly to the General Manager, DBE Program. The information must be submitted prior to or at the same time as the bidder's final invoice to the Authority user department identified in the solicitation. (NOTICE: The original invoices must be submitted directly to the Authority's department identified in the contract documents and the Status Report of DBE Subcontract Payments must be submitted directly to the General Manager, DBE Program.) **Failure to follow these directions may delay final payment.**
- D. The address for the General Manager, DBE Program, is: CTA General Manager, Diversity and Small Business Compliance Programs Dept., 567 W. Lake Street, P.O. Box 7562, Chicago, IL 60680-7562.

## **IX. PROMPT PAYMENT TO SUBCONTRACTORS**

- A. The Contractor is required to pay all Subcontractors for all work that the Subcontractor has satisfactorily completed, no later than seven (7) calendar days after the Contractor has received payment from the Authority. All of the Contractor's contracts with its Subcontractors must state that the Subcontractor will receive payment within 7 days of the date that the Contractor has received payment from the Authority.
- B. In addition, all Retainage amounts must be paid by the Contractor to the Subcontractor no later than fourteen (14) calendar days after the Subcontractor has, in the opinion of the VP Construction, satisfactorily completed its portion of the Work. All of the Contractor's contracts with its Subcontractors must state that the Subcontractor will receive payment of Retainage within fourteen (14) calendar days of the date that the Subcontractor has, in the opinion of the VP Construction, satisfactorily completed its portion of the Work.
- C. A delay in or postponement of payment to the Subcontractor requires good cause and prior written approval of the General Manager, Purchasing.

- D. The Contractor is required to include, in each subcontract, a clause requiring the use of appropriate arbitration mechanisms to resolve all payment disputes.
- E. The Authority will not pay the Contractor for work performed unless and until the Contractor ensures that the Subcontractors have been promptly paid for the work they have performed under all previous payment requests, as evidenced by the filing with the Authority of lien waivers, canceled checks (if requested), invoices and the Contractor's sworn statement that it has complied with the prompt payment requirements. Prime Contractors must submit a prompt payment affidavit, (form to be provided by the Authority) which identifies each subcontractor (both DBE and non-DBE) and the date and amount of the last payment to such subcontractor, with every payment request filed with the Authority, except for the first payment request, on every contract with the Authority.
- F. Failure to comply with these prompt payment requirements is a breach of the Contract which may lead to any remedies permitted under law, including, but not limited to, Contractor debarment. In addition, Contractor's failure to promptly pay its Subcontractors is subject to the provisions of 50 ILCS 505/9.

**X. DBE SUBSTITUTIONS**

- A. Arbitrary changes by the bidder of the commitments previously indicated in **Schedule D** are prohibited. No changes may be made by the bidder to the DBE firms listed on Schedule D after the opening of bids but prior to contract award. However, in the event the Purchasing Agent, after consulting with the DBE Department, determines that a critical DBE subcontractor is non-responsible, the Authority may require that bidder replace the non-responsible DBE subcontractor prior to contract award. In that event, bidder must replace the non-responsible DBE subcontractor with a responsible, certified DBE subcontractor or show adequate good faith efforts as set forth Section V hereof, must submit all information required in subsection C.5 hereof, and must receive the prior written approval of the General Manager, DBE Program for such substitution.
- B. Further, after entering into each approved DBE subcontract, the Contractor shall neither terminate the subcontract for convenience, nor reduce the scope of the work to be performed by the DBE, nor decrease the price to the DBE, without receiving prior written approval of the General Manager, DBE Program. Such approval is required even if the DBE agrees with the change to the DBE's contract desired by the Contractor.
- C. It may become necessary, at times, to substitute a new subcontractor in order to complete the contract work. The substitution procedure to be followed is:
  - 1. The Contractor must immediately notify the General Manager, DBE Program, in writing, of the proposed substitution of subcontractor. The Contractor's notification must include the specific reasons it intends to reduce the scope of or terminate a DBE subcontract; adequate documentation to support the Contractor's proposed action; and a proposed substitute firm to complete the DBE's portion of work.
  - 2. The following is a non-exclusive list of the types of reasons, which justify substitution: the DBE was found not to be able to perform, or not to be able to perform on time; the DBE's work product was not acceptable; the DBE demands an unreasonable escalation of its price.
  - 3. The following is a non-exclusive list of the types of reasons which do not justify substitution: a replacement firm has been recruited by the Contractor to perform the same work under more advantageous terms; performance issues by the DBE were disputed and every reasonable effort to have the dispute resolved or mediated has not been taken; the DBE has requested a reasonable price escalation which may be justified due to unforeseen circumstances (e.g., a change in scope of DBE's work).



4. If the subcontractor to be substituted for the DBE is not a DBE, the Contractor must show adequate good faith efforts as set forth in Section V hereof.
  5. The Contractor's request for approval of a substitution must include the name, address, and principal official of the proposed substitute subcontractor and the dollar value and scope of work of the proposed subcontract. If the new subcontractor is a DBE, all DBE affidavits and documents required by **Schedule C** shall be attached.
  6. The Authority will evaluate the submitted documentation and respond within fifteen (15) calendar days to the request for approval of a substitution. The Authority's response may approve the request, seek more information, request an interview to clarify the problem or reject the proposed DBE substitution, with the reasons for the rejection stated in the Authority's response. In the case of an expressed emergency need to receive the necessary decision for the sake of job progress, the Authority will respond as soon as practicable.
  7. Actual substitution by the Contractor may not be made prior to the Authority's approval. Once notified of the Authority's approval, the substitute subcontract must be executed within five (5) calendar days, and a copy submitted to the General Manager, DBE Program.
- C. The Authority will not approve extra payment for escalated costs incurred by the Contractor when a substitution of subcontractors becomes necessary in order to comply with the DBE requirements of the contract.

## **XI. NON-COMPLIANCE**

- A. Failure to comply with the DBE requirements of the contract or failure to use DBEs as stated in the bid constitutes a material breach of contract. The General Manager, DBE Program, shall have the discretion to recommend to the Authority's Purchasing Agent that the Purchasing Agent apply suitable sanctions to the Contractor if the Contractor is found to be in non-compliance with the DBE requirements. Such sanctions include, but are not limited to, withholding payment to the Contractor until corrective action is taken; suspension and/or termination of the contract, in whole or in part; and debarring or suspending the Contractor from entering into future contracts with the Authority.
- B. The failure by the Contractor to use a DBE subcontractor to the extent the Contractor committed to use said DBE, gives the underutilized DBE specific contract remedies, including the right to damages, the right to resolve the dispute by binding arbitration before an independent arbitrator and the right to recover its reasonable expenses, including attorneys' fees, if the DBE is the prevailing party, as follows:
1. Damages. In the event the Contractor has not complied with the contractual DBE percentage and the change to the contractual DBE usage has not been approved by the Authority, an affected DBE may recover from the Contractor damages suffered by said DBE as a result of being underutilized. This provision is intended for the benefit of any DBE affected by underutilization and grants such entity third party beneficiary rights. Any rights conferred by this provision are non-waivable and take precedence over any conflicting provisions in the agreement between the Contractor and the DBE.

2. Arbitration procedures. If requested by the DBE, the DBE shall have the right to initiate binding arbitration of any dispute concerning damages suffered as a result of being underutilized. A DBE desiring to arbitrate must notify the Contractor in writing to initiate the arbitration process. Unless the affected parties agree to a different schedule in writing, within ten (10) days of receipt by the Contractor of the intent to arbitrate from the DBE, the above-described disputes must be arbitrated in accordance with the Commercial Arbitration Rules of the American Arbitration Association ("AAA"), a not-for-profit agency, with an office at 225 North Michigan Avenue, Suite 2527, Chicago, Illinois 60601-7601. All such arbitrations must be initiated by the DBE filing a demand for arbitration with the AAA; must be conducted by the AAA; and must be held in Chicago, Illinois.
3. Fees. All fees of the arbitrator are the initial responsibility of the DBE; provided, however, that the arbitrator is authorized to award reasonable expenses, including attorneys' and arbitrator fees, as damages to a prevailing DBE.
4. Entry of judgment. Judgment upon the award rendered by the arbitrator may be entered in any court of competent jurisdiction.

C. In addition, federal and state laws apply to false representations, deception and fraud.:

1. Illinois Law. Under Illinois law, it is a Class 2 felony to make certain false representations as to the status of a person or entity in obtaining a governmental contract. In addition, any person convicted of this felony offense must pay to the governmental unit that issued the contract a penalty equal to one and a half times the amount of the contract.  
720 ILCS 5/17-29.
2. Federal Law. False, fraudulent, or deceitful statements made in connection with DBE participation in federal Department of Transportation assisted programs could also result in liability under 49 CFR Part 31, Program Fraud and Civil Remedies and possible prosecution under 18 U.S.C. 1001.

- D. If the Contractor does not pay any subcontractor listed on a pay request or return a subcontractor's retainage within the time limits required under the prompt payment provision set forth in Section VIII hereof, the Contractor must pay the subcontractor an additional amount for interest at the lower of one percent (1%) per month or the highest lawful rate on the outstanding balance, for each month, prorated per diem for any partial month, that the Contractor fails or refuses to pay the subcontractor. All agreements between the Contractor and its subcontractors must provide for interest as set forth herein.
- E. The Contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the Authority deems appropriate.

The Contractor agrees to include this assurance in all subcontracts.

## **XII. RECORD KEEPING**

The Contractor shall maintain records of all relevant data with respect to the utilization of DBEs and shall retain these records for a period of at least three (3) years after final acceptance of the work. Full access to said records shall be granted to the Authority and its Inspector General, its Federal and/or State funding agencies, the U.S. Department of Justice, the USDOT and any duly authorized representatives thereof. In addition, the Contractor shall, at all times, cooperate with the Authority's Inspector General.

The bidder must also create a bidders list, consisting of information about all subcontractors that submitted a bid or quote. The bidders list will include the name, address, DBE/non-DBE status, age of firm and the appropriate range of annual gross receipts. Failure to submit this information will result in the firm being deemed non-responsible for the contract.

## **XIII. MINORITY FINANCIAL INSTITUTIONS**

The bidder is encouraged to utilize financial institutions owned and controlled by socially and economically disadvantaged individuals. Use of such institutions may be considered by the Authority as evidence of bidder's willingness to do business with DBEs. Information about such institutions is available in the Authority's DBE Program Directory, which is available on-line at [www.transitchicago.com](http://www.transitchicago.com) and a hard copy is available at the Authority's Diversity and Small Business Compliance Programs Department Office, 567 West Lake Street, 4<sup>th</sup> floor, Chicago, Illinois 60661-1498.

## DBE Assistance Agencies

*The following agencies are available to prospective bidders for assistance.*

<p><b>Alliance of Business Leaders &amp; Entrepreneurs (ABLE)</b>  150 N. Michigan Ave., Suite 2800  Chicago, IL 60601  Phone: (312) 624-7733  Fax: (312) 275-7841  Website: <a href="http://www.ablechicago.com">www.ablechicago.com</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> </ul>	<p><b>Black Contractor United (BCU)</b>  400 W. 76<sup>th</sup> St., Suite 200  Chicago, IL 60620  Phone: (773) 483-4000  Fax: (773) 483-4150  Website: <a href="http://www.blackcontractorsunited.com">www.blackcontractorsunited.com</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> </ul>
<p><b>Chatham Business Association (CBA)</b>  8441 S. Cottage Grove Ave.  Chicago, IL 60619  Phone: (773) 994-5006  Fax: (773) 994-9871  Website: <a href="http://www.cbaworks.org">www.cbaworks.org</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> <li>• Certification Assistance</li> <li>• Technical Assistance</li> </ul>	<p><b>Chicago Minority Business Development Council, Inc. (CMBDC)</b>  105 W. Adams  Chicago, IL 60603  Phone: (312) 755-8880  Fax: (312) 755-8890  Website: <a href="http://www.cmbdc.org">www.cmbdc.org</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> <li>• Certification Assistance</li> <li>• Technical Assistance</li> </ul>
<p><b>Chicago Urban League (CUL)</b>  4510 S. Michigan Ave.  Chicago, IL 60653  Phone: (773) 285-5800  Fax: (773) 285-7772  Website: <a href="http://www.thechicagourbanleague.org">www.thechicagourbanleague.org</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> </ul>	<p><b>Federation of Women Contractors (FWC)</b>  5650 S. Archer Ave.  Chicago, IL 60638  Phone: (312) 360-1122  Fax: (312) 360-0239  Website: <a href="http://www.fwcchicago.com">www.fwcchicago.com</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> </ul>
<p><b>Hispanic-American Construction Industry Association (HACIA)</b>  901 West Jackson Blvd., Suite 205  Chicago, IL 60607  Phone: (312) 666-5910 ext. 22  Fax: (312) 666-5692  Website: <a href="http://www.haciaworks.org">www.haciaworks.org</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> <li>• Certification Assistance</li> <li>• Technical Assistance</li> </ul>	<p><b>Illinois Hispanic Chamber of Commerce (IHCC)</b>  111 W. Washington Blvd., Suite 1600  Chicago, IL 60602  Phone: (312) 425-9500 / (312) 492-9960  Fax: (312) 425-9510  Website: <a href="http://www.ihccbbusiness.net">www.ihccbbusiness.net</a>  <b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> <li>• Certification Assistance</li> <li>• Technical Assistance</li> </ul>

## DBE Assistance Agencies (Continued)

<p><b>Philippine American Chamber of Commerce of Greater Chicago (PACCGC)</b>  3413 N. Milwaukee Ave.  Chicago, IL 60641  Phone: (773) 545-4330  Fax: (773) 545-4373  Website: <a href="http://www.paccgc.org">www.paccgc.org</a></p> <p><b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> <li>• Certification Assistance</li> <li>• Technical Assistance</li> </ul>	<p><b>Women's Business Development Center (WBDC)</b>  8 S. Michigan Ave., 4<sup>th</sup> Floor  Chicago, IL 60603  Phone: (312) 853-3477  Fax: (312) 853-0145  Website: <a href="http://www.wbdc.org">www.wbdc.org</a></p> <p><b>Services</b></p> <ul style="list-style-type: none"> <li>• Business Development</li> <li>• Certification Assistance</li> <li>• Technical Assistance</li> </ul>
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*Project information and current DBE directory of certified local and out-of-state companies are available.*

<p>Chicago Transit Authority  <b>Project Information</b>  c/o Marina Popovic  Purchasing Department  567 W. Lake St.  P.O. Box 7560  Chicago, IL 60680-7560  Phone: (312) 681-2400  Fax: (312) 681-2405  E-mail: <a href="mailto:mpopovic@transitchicago.com">mpopovic@transitchicago.com</a></p>	<p>Chicago Transit Authority  <b>DBE Directory</b>  c/o Enrique Orozco, Jr.  Purchasing &amp; Small Business Compliance Department  567 W. Lake St.  P.O. Box 7562  Chicago, IL 60680-7562  Phone: (312) 681-2600  Fax: (312) 681-2605  E-mail: <a href="mailto:eorozco@transitchicago.com">eorozco@transitchicago.com</a></p>
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## Schedule B AFFIDAVIT OF DBE/NON-DBE JOINT VENTURE

This Schedule B need not be submitted if all joint venturers are DBEs. In such a case, however, the written joint venture agreement and a copy of the current IL UCP Letter of Certification for each DBE must be submitted.

ALL INFORMATION REQUESTED BY THIS SCHEDULE MUST BE ANSWERED IN THE SPACES PROVIDED BY JOINT VENTURERS AT ANY TIER. ADDITIONAL SHEETS MAY BE ATTACHED.

- I. **Name of joint venture:** \_\_\_\_\_  
**Address of joint venture:** \_\_\_\_\_  
\_\_\_\_\_  
**Phone number of joint venture:** \_\_\_\_\_
- II. **Identify each non-DBE venturer(s):**  
**Name of Firm:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Contact person for matters concerning DBE compliance:** \_\_\_\_\_
- III. **Identify each DBE venturer(s):**  
**Name of Firm:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_  
**Contact person for matters concerning DBE compliance:** \_\_\_\_\_
- IV. **Describe the role(s) of the DBE venturer(s) in the joint venture:**  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- V. **Attach a copy of the joint venture agreement.** In order to demonstrate the DBE venturer's share in the ownership, control management responsibilities, risks and profits of the joint venture, the proposed joint venture agreement must include specific details related to: (1) the contributions of capital and equipment; (2) work items to be performed by the DBE's own forces; (3) work items to be performed under the supervision of the DBE venturer; and (4) the commitment of management, supervisory and operative personnel employed by the DBE to be dedicated to the performance of the project.
- VI. **Attach a copy of the current IL UCP Letter of Certification for each DBE joint venturer.**
- VII. **Ownership of the Joint Venture:**  
A. **What is the percentage(s) of DBE ownership in the joint venture?**  
**DBE ownership percentage(s):** \_\_\_\_\_  
**Non-DBE ownership percentage(s):** \_\_\_\_\_

**Schedule B**  
**AFFIDAVIT OF DBE/NON-DBE JOINT VENTURE**

**VII. Ownership of the Joint Venture (continued):**

B. Specify DBE/non-DBE percentages for each of the following (provide narrative descriptions and other detail as applicable):

1. Sharing of profit and loss: \_\_\_\_\_

2. Capital contributions:

(a) Dollar amounts of initial contribution: \_\_\_\_\_

(b) Dollar amounts of anticipated on-going contributions: \_\_\_\_\_

3. Contributions of equipment (*specify types, quality and quantities of equipment to be provided by each venturer*):

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

4. Other applicable ownership interests, including ownership options or other agreements, which restrict or limit ownership and/or control:

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

5. Provide copies of all written agreements between venturers concerning this project.

6. Identify each current Chicago Transit Authority contract and each contract completed during the past two (2) years by either of the joint venture partners participating in this joint venture:

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

**VIII. Control of and Participation in the Joint Venture.** Identify by name and firm those individuals who are, or will be, responsible for and have the authority to engage in the following management functions and policy decisions. (Indicate any limitations to their authority such as dollar limits and co-signatory requirements.):

A. Joint venture check signing:

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

B. Authority to enter contracts on behalf of the joint venture:

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

**Schedule B**  
**AFFIDAVIT OF DBE/NON-DBE JOINT VENTURE**

C. Signing, co-signing and/or collateralizing loans:

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D. Acquisition of lines of credit:

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E. Acquisition and indemnification of payment and performance bonds:

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F. Negotiating and signing labor agreements:

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G. Management of contract performance. *(Identify by name and firm only):*

1. Supervision of field operations: 

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2. Major purchases: 

---
3. Estimating: 

---
4. Engineering: 

---

**IX. Financial Controls of Joint Venture:**

A. Which firm and/or individual will be responsible for keeping the books of account?

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B. Identify the "managing partner," if any, and describe the means and measure of their compensation:

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C. What authority does each venturer have to commit or obligate the other to insurance and bonding companies, financing institutions, suppliers, subcontractors, and/or other parties participating in the performance of this contract or the work of this project?

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**Schedule B**  
**AFFIDAVIT OF DBE/NON-DBE JOINT VENTURE**

The undersigned affirm that the foregoing statements are correct and include all material information necessary to identify and explain the terms and operations of our joint venture and the intended participation of each venturer in the undertaking. Further, the undersigned covenant and agree, under which work is done for CTA by the venturers, to provide to CTA current, complete and accurate information regarding actual joint venture work and the payment therefor, and any proposed changes to any provision of the joint venture, or those of each venturer relevant to the joint venture by authorized representatives of CTA, its Inspector General or any of its funding agencies.

Any misrepresentation regarding the status of a person or an entity in order to qualify for DBE status may result in conviction for a Class 2 felony, including a penalty for one and a half times the value of the contract. Material misrepresentation on any matter will also be grounds for terminating any contract which may be awarded, and for initiating action under federal or state laws concerning false statements.

**NOTE:** *If, after filing this Schedule B and before the completion of the joint venture's work on the project, there is any change in the information submitted, the joint venture must inform the General Manager, DBE Program directly in writing or through the prime contractor if the joint venture is a subcontractor.*

\_\_\_\_\_  
Name of DBE Partner Firm

\_\_\_\_\_  
Name of Non-DBE Partner Firm

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Name and Title of Affiant (Type or Print)

\_\_\_\_\_  
Name and Title of Affiant (Type or Print)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, the above-signed Officers of

\_\_\_\_\_  
(Name of Joint Venture)

personally known to me as the persons described in the foregoing Affidavit, acknowledged that they executed the same in the capacity therein stated and for the purpose therein contained.

**IN WITNESS OF, I hereunto set my hand and official seal.**

\_\_\_\_\_  
Signature of Notary Public

My Commission Expires: \_\_\_\_\_

**SEAL**

**Schedule C:**  
**LETTER OF INTENT FROM DBE TO PERFORM AS**  
**SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT**  
*Bidder's or Proposer's failure to submit both pages of this form*  
*with its bid will result in the bid being rejected in its entirety*

Job Order No.: \_\_\_\_\_

Page 6 of 9

**Schedule C:  
LETTER OF INTENT FROM DBE**

**Sub-Contracting Levels**

% \_\_\_\_\_ of the dollar amount of the DBE's subcontract will be sublet to non-DBE contractors.

% \_\_\_\_\_ of the dollar amount of the DBE's subcontract will be sublet to DBE contractors.

**NOTICE: IF THE DBE WILL NOT BE SUB-SUBCONTRACTING ANY OF THE WORK DESCRIBED IN THIS SCHEDULE, A ZERO (0) MUST BE SHOWN IN EACH BLANK ABOVE.**

**NOTICE: IF MORE THAN THIRTY PERCENT (30%) OF THE DOLLAR AMOUNT OF THE DBE's SCOPE OF WORK WILL BE SUBLET, A BRIEF EXPLANATION AND DESCRIPTION OF THE WORK TO BE SUBLET MUST BE ATTACHED TO THIS SCHEDULE.**

**NOTICE:** Any misrepresentation regarding the status of a person or an entity in order to qualify for DBE status may result in conviction for a Class 2 felony, including a penalty for one and a half times the value of the contract. Material misrepresentation on any matter will also be grounds for terminating any contract which may be awarded, and for initiating action under federal or state laws concerning false statements.

The undersigned will enter into a formal written agreement for the above work with you as Prime Contractor, conditioned upon your execution of a contract with the Chicago Transit Authority, and will do so within (5) five calendar days of your receipt of a signed contract from the Chicago Transit Authority.

\_\_\_\_\_  
(Signature of Owner, President or Authorized Agent of DBE)

\_\_\_\_\_  
Name/Title (Print)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone

**If proposing to perform as a DBE/non-DBE Joint Venture:**

\_\_\_\_\_  
(Signature of Owner, President or Authorized Agent of non-DBE)

\_\_\_\_\_  
Name/Title (Print)

\_\_\_\_\_  
Date

\_\_\_\_\_  
Phone

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, the above-signed Officer

\_\_\_\_\_  
(Name of DBE company)

personally known to me as the persons described in the foregoing Affidavit, acknowledged that h/she executed the same in the capacity therein stated and for the purpose therein contained.

**IN WITNESS OF, I hereunto set my hand and official seal.**

\_\_\_\_\_  
Signature of Notary Public

My Commission Expires: \_\_\_\_\_

**SEAL**

## Schedule D: DBE UTILIZATION PLAN

***Bidder's or Proposer's failure to submit both pages of this form with its bid will result in the bid being rejected in its entirety***

Name of Project/Contract: \_\_\_\_\_

Requisition No.: \_\_\_\_\_

Job Order No.: \_\_\_\_\_

**State of** \_\_\_\_\_

County (City) of \_\_\_\_\_

In connection with the above captioned contract, I HEREBY DECLARE AND AFFIRM that I am the

\_\_\_\_\_ and duly authorized representative of  
(Title of Affiant)

(Name of Prime Contractor)

and that I have personally reviewed the material and facts set forth in and submitted with the attached Disadvantaged Business Enterprises (DBE) Schedules for each DBE. Listed below is/are the agreement(s) that correspond(s) with the Schedule C submitted by **each** DBE and **listed separately** for **each** DBE participating on the above mentioned contract:

[illegible]

**Total Dollar Amount for All DBE Contracts Listed Above: \$**\_\_\_\_\_

**Schedule D:  
AFFIDAVIT OF PRIME CONTRACTOR**

I hereby acknowledge that I have been advised of the following: Any misrepresentation regarding the status of a person or an entity in order to qualify for DBE status may result in conviction for a Class 2 felony, including a penalty for one and a half times the value of the contract. Material misrepresentation on any matter will also be grounds for terminating any contract which may be awarded, and for initiating action under federal or state laws concerning false statements.

To the best of my knowledge, information and belief, the facts and representations contained in the aforementioned attached Schedules are true and no material facts have been omitted.

The undersigned will enter into formal agreements with all listed DBE firms for work as indicated by this Schedule D and accompanying Schedules, and will enter into such agreements within five (5) calendar days after receipt of the contract executed by the Chicago Transit Authority. In the event the Prime Contractor cannot meet said five (5) day schedule, it must provide a written explanation for the delay and an estimate date by which the written agreement will be completed.

The Prime Contractor designated the following person as their DBE Liaison Officer:

\_\_\_\_\_  
(Name - Please Print or Type)

\_\_\_\_\_  
(Phone)

I do solemnly declare and affirm under penalty of perjury that the contents of the foregoing document are true and correct, and that I am authorized on behalf of the Prime Contractor to make this affidavit.

\_\_\_\_\_  
(Name of Prime Contractor - Print or Type)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Name and Title of Affiant - Print or Type)

\_\_\_\_\_  
(Date)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, the

\_\_\_\_\_  
(Title of Affiant)

\_\_\_\_\_  
(Name of Company)

personally known to me as the person described in the foregoing Affidavit, acknowledged that he/she executed the same in the capacity therein stated and for the purpose therein contained.

**IN WITNESS OF, I hereunto set my hand and official seal.**

\_\_\_\_\_  
Signature of Notary Public

My Commission Expires: \_\_\_\_\_

**SEAL**

## **NAME OF PRIME BIDDER**

### **BIDDERS LIST**

**BID NO.** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**JOB ORDER NO.** \_\_\_\_\_

**BID DUE DATE:** \_\_\_\_\_

**BUS. PHONE NO.** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**CITY:** \_\_\_\_\_

**STATE:** \_\_\_\_\_

**CONTACT PERSON:** \_\_\_\_\_

As the prime bidder, listed below is the information about (Name of Firm) \_\_\_\_\_ that is requested by the Authority.

Also, included on the following list are all firms who responded to a solicitation by submitting a bid or quote as a subcontractor. Furthermore, included on the list are all firms who submitted a bid or quote on their own. Under gross receipt column list range using the following: Under \$500,000, \$500,000-\$1,000,000, \$1,000,000-\$2,000,000, \$2,000,000-\$2,500,000, \$2,500,000-\$3,000,000, \$3,000,000-\$3,500,000, \$3,500,000-\$4,000,000, over \$4,000,000.

<b>FIRM NAME</b>	<b>FIRM ADDRESS</b>	<b>DBE OR NON-DBE</b>	<b>AGE OF FIRM</b>	<b>GROSS RECEIPT RANGE</b>

## STANDARD GOVERNMENT REQUIREMENTS FOR MATERIAL AND EQUIPMENT PURCHASES

This contract is subject to financial assistance contracts between the U.S. Department of Transportation (DOT), Federal Transit Administration (FTA), the State of Illinois Department of Transportation (IDOT), Division of Public Transportation (DPT), and the Chicago Transit Authority (CTA).

The following clauses shall be included as part of the specification for the proposed contract and for each of its related subcontracts.

- A. CONTRACT CHANGES.** "Any proposed change in this contract shall be submitted to the Chicago Transit Authority for its prior written approval."
- B. INTEREST OF MEMBERS OF CONGRESS.** No members of, or delegate to, the Illinois General Assembly or the Congress of the United States shall be admitted to any share or part of this contract or to any benefit arising therefrom.
- C. PROHIBITED INTERESTS.** "No member, or officer, or employee of Chicago Transit Authority or a local public body with financial interest or control in this contract during his tenure or for one year thereafter shall have any interest, direct or indirect, in this contract or the proceeds thereof."
- D. INELIGIBLE CONTRACTORS.** Contractors are required to certify that they ARE NOT included on the U.S. Comptroller General's Consolidated List of persons or firms currently debarred for violations of various Public Contracts incorporating labor standards provisions.
- E. NONDISCRIMINATION.** "In connection with the execution of this contract, the contractor shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, ancestry or handicap. The contractor shall take affirmative actions to insure that applicants are employed and that employees are treated during their employment, without regard to their race, religion, color, sex, national origin, ancestry or handicap. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection of training, including apprenticeship."
- F. ILLINOIS HUMAN RIGHTS ACT – Equal Employment Opportunity.** During the performance of this contract, the contractor agrees as follows.
1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are under utilized and will take appropriate affirmative action to rectify any such underutilization.
  2. That it will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.
  3. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.
  4. That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply therewith. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations."
- G. ENVIRONMENTAL AND ENERGY PROTECTION AND CONSERVATION REQUIREMENTS.** All facilities and equipment will meet the criteria for air and water pollution control and energy conservation as follows:
- "All facilities and equipment acquired, constructed, reconstructed, or improved using FTA and DPT grant funds, shall be designed and equipped to prevent or control air and water pollution in accordance with criteria issued by the Department of Health, Education and Welfare. However, in those locations where State or local air and water pollution regulations are in force, the more restrictive criteria shall govern."



"All contractors and suppliers must submit evidence to CTA that the governing air and water pollution criteria will be met. This evidence and related documents will be retained by the sponsor for on site examination by FTA and DPT representatives."

"All contractors and suppliers shall recognize mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. § 6321 et seq.)."

**H. SPECIFIC MATERIALS AND/ OR SPECIFIC EQUIPMENT.** Wherever in these Specification an article, equipment or material is defined by describing a proprietary product or by using the name of a manufacturer or vendor or trade name including catalogue numbers and/ or part numbers and/ or drawing numbers, the term "or equal" if not inserted shall be implied. The specific article, equipment or material mentioned shall be understood as establishing the type, function and minimum standard of design, efficiency, quality and performance desired and shall not be construed in such a manner as to exclude manufacturer's products or comparable design, efficiency, quality and performance. CTA engineers shall decide whether or not the article, equipment or material proposed by the bidder or contractor is equal to that specified in the Specification.

**I. TERMINATION OF CONTRACT.** Chicago Transit Authority reserves the right to terminate this contract at any time after date of contract, with or without cause, by giving the contractor, in writing, a notice of termination. The notice shall be mailed certified to the contractor at his business address, and the effective date of termination shall be the date of receipt of the notice as shown on the certified mail return receipt. The Chicago Transit Authority shall pay the contractor for the sums then due for acceptable services performed in accordance with this contract and costs incurred in connection therewith up to the termination date.

**J. CARGO PREFERENCE – USE OF UNITED STATES-FLAG VESSELS.** The contractor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, materials or commodities pursuant to this Contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.
2. To furnish within 20 days following the date of loading for shipments originating within the United States, or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (1) above to the Grantee (through the prime contractor in the case of subcontractor bill-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, 400 Seventh Street, S.W., Washington, D.C. 20590, marked with appropriate identification of the Project.

**K. PATENT RIGHTS**

1. Contractors may reserve a revocable, nonexclusive, royalty-free license in each patent application filed in any country or each invention subject to this clause and resulting patent in which the government acquires title. The license shall extend to the third-party contractor's domestic subsidiaries and affiliates, if any, within the corporate structure of which the third-party contractor is a part and shall include the right to grant sublicenses of the same scope to the extent the third-party contractor was legally obligated to do so at the time the contract was awarded. The license shall be transferable only with approval of FTA except when transferred to the successor of that part of the third party contractor's business to which the invention pertains.
2. The third-party contractor's nonexclusive domestic license retained pursuant to paragraph (1) of this clause may be revoked or modified by FTA to the extent necessary to achieve expeditious practical application of the subject invention under 41 C.F.R. 101-4. 103-3 pursuant to an application for exclusive license submitted in accordance with 41 C.F.R. 101-4. 104-3. This license shall not be revoked in that field of use and/or the geographical areas in which the third-party contractor has brought the invention to the point of practical application and continues to make the benefits of the invention reasonably accessible to the public. The third-party contractor's nonexclusive license in any foreign country reserved pursuant to paragraph (1) of this clause may be revoked or modified at the discretion of FTA to the extent the third-party contractor or his domestic subsidiaries or affiliates have failed to achieve the practical application of the invention in that foreign country.
3. Before modification or revocation of the license, pursuant to paragraph (2) of this clause, FTA shall furnish the third-party contractor a written notice of its intention to modify or revoke the license and the third-party contractor shall be allowed 30 days (or such longer period as may be authorized by FTA for good cause shown in writing by the third-party contractor) after the notice to show cause why the license should not be modified or revoked. The third-party contractor shall have the right to appeal, in accordance with procedures prescribed by FTA any decision concerning the modification or revocation of his license.

## U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION REQUIREMENTS

In addition to the Standard Government Requirements for Material and Equipment Purchases, the Contractor is also required to comply with the following clauses required by the U.S. Department of Transportation Federal Transit Administration as applicable.

1. **Seismic Safety Requirements** – The Contractor agrees that any new building or addition to an existing building will be designed and constructed in accordance with the standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 CFR Part 41 and will certify to compliance to the extent required by regulation. The Contractor also agrees to ensure that all work performed under this contract including work performed by a subcontractor is in compliance with the standards required by the Seismic Safety Regulations and the certification of compliance issued on the project.
2. **Recycled Products** – The Contractor agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.
3. **No Obligation by the Federal Government** – The Contractor acknowledges and agrees that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the Contractor, or any other party pertaining to any matter resulting from the underlying contract.
4. **Privacy Act** – The following requirements apply to a Contractor and its employees that administer any system of records on behalf of the Federal Government under any contract.
  - A) The Contractor agrees to comply with, and assure the compliance of its employees with, the information restrictions and other applicable requirements of the Privacy Act of 1974, 5 USC subsection 552a. The Contractor agrees to obtain the express consent of the Federal Government before the Contractor or its employees operate a system of records on behalf of the Federal Government. The Contractor understands that the requirements of the Privacy Act, including the civil and criminal penalties for violation of the Act, apply to those individuals involved, and that failure to comply with the terms of the Privacy Act may result in termination of the underlying contract.
  - B) The Contractor also agrees to include these requirements in each subcontract to administer any system of records on behalf of the Federal Government financed in whole or in part with FTA funding.
5. **Access to Records and Reports** – The following access to records requirement apply to this Contract.
  - A) The Contractor agrees to provide the Authority, the FTA Administrator, the Comptroller General of the United States or any other authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to this Contract for the purposes of making audits, examination, excerpts and transcriptions. Contractor also agrees, pursuant to 49C.F.R. 633.17 to provide the FTA Administrator or his authorized representatives access to Contractor's records and construction sites pertaining to a major capital project, defined at 49U.S.C. 5302(a)1, which is receiving federal financial assistance through the programs described at 49U.S.C. 5307, 5309, or 5311. By definition, a major capital project excludes contracts of less than the simplified acquisition threshold currently set at \$100,000.
  - B) For any contract for a capital project or improvement entered into which was not the result of competitive bidding, the Contractor shall make available records related to the Contract to the Authority, the FTA and the Comptroller General or any authorized officer or employee of any of them for the purposes of conducting an audit and inspection.
  - C) The Contractor agrees to permit the authorized representatives to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonable needed.

- D) The Contractor agrees to maintain all books, records, accounts and reports required under this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same under the Authority, the FTA Administrator, the Comptroller General, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto.

6. **Fraud and False or Fraudulent Statements or Related Acts** – The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. subsection 3801 et seq and U.S. Department of Transportation and FTA regulations, "Program Fraud Civil Remedies", 49 C.F.R. Part 31, apply to its actions pertaining to this Contract.

By submitting a proposal and execution of the Contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it may make, or causes to be made, pertaining to the Contract Documents. In addition to other penalties that may be applicable the Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor. The Contractor also acknowledges that it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. subsection 5307, the Government reserves the right to impose the penalties of 18 U.S.C. subsection 5307, the Government reserves the right to impose the penalties of 18 U.S.C. subsection 1001 and 49 U.S.C. subsection 5307(n)(1) on the Contractor, to the extent the Federal Government deems appropriate. The Contractor agrees to include the above language in each subcontract without modification, except to identify the subcontractor who will be subject to the provisions.

7. **Incorporation of Federal Transit Administration (FTA) Terms** – The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in the latest revision of FTA Circular 4220.1 are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any Authority requests which would cause the Authority to be in violation of the FTA terms and conditions.
8. **Clean Air** – (1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. (7401 et seq.). The Contractor agrees to report each violation to the Purchaser and understands and agrees that the Purchaser will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office. (2) The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA
9. **Federal Changes** – Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Agreement (Form FTA MA (4) dated October 1, 1997) between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

## **BID PROTEST PROCEDURES**

### **SECTION I – AUTHORITY BID PROTEST PROCEDURE**

- A. The Chicago Transit Authority (CTA/ Authority)** will hear and consider a bona fide bid protest regarding its procurement actions. It is anticipated that the majority of protests will be evaluated and finally decided by the Authority. Accordingly, the Authority intends to provide a thorough review of all bona fide bid protests. The Authority's primary concern, however, is the timely procurement of needed capital equipment, supplies or services. It does not intend to allow the filing of bid protests to unnecessarily delay the procurement process, especially if the protest involved is vexatious or frivolous in nature.

Notwithstanding the availability of these protest procedures, any interested party is encouraged to exhaust all methods described in the Contract Documents of resolving a procurement issue before filing a formal protest with the Authority. In its consideration of a bid protest, the Authority reserves the right to give due consideration to the good faith efforts of the protestor to resolve the issue involved through informal methods.

**Note – The Federal Transit Administration (FTA) will be notified by the Authority of all formal, written protests, when FTA funds are involved.**

**B. Definitions for purposes of this section -**

1. The term "days" refers to working days of the Authority.
2. The term "interested party" means any person (a) who is an actual bidder or prospective bidder in the procurement involved, and (b) whose direct economic interest would be affected by the award of the contract or by a failure to award the contract.

**C. Submission of Protest**

Any interested party may file a bid protest with the Authority on the basis that the Authority has failed to comply with applicable Federal or State law or with the Authority's Procurement Regulations. The protest must be filed in accordance with the timing requirements set forth in subsection D. "*Types of Protests and Timing*" of this section, and must include:

1. The name and address of the protestor.
2. The number of the contract solicitation.
3. A statement of the grounds for the protest, and in particular the Federal or State law or Authority Regulation alleged to have been violated. This statement should be accompanied by any supporting documentation the protesting party desires the Authority to consider in making its decision.

**Protest should be submitted to:**      **General Manager Purchasing  
Chicago Transit Authority  
P.O. Box 7560  
Chicago, IL 60680-7560**

**D. Types of Protests and Timing**

The requirement for timely filing of a bid protest with the Authority will depend upon the type of protests involved. The Authority will consider the following three types of protest by interested parties:

**1. Protest regarding solicitation**

Any bid protest regarding the solicitation by the Authority must be filed **no later than five (5) days before the opening of bids**. Any protest filed after that date which raises issues regarding the solicitation will not be considered by the Authority.

This type of protest would include any claim that the bid solicitation contained exclusionary or discriminatory specifications, any challenge to the basis of award, or any claim that the solicitation documents or the solicitation process violated applicable Federal or State law, or that the Authority failed to follow its Procurement Regulations in the solicitation of bids.

## **2. Protests regarding bid evaluation**

Any bid protest regarding the evaluation of bids by the Authority must be filed with the Authority **no later than twenty (20) days after the opening of bids**. Any protest filed after such date which raises issues regarding the bid evaluation will not be considered by the Authority.

This type of protest would include any challenge to determinations by the Authority of the responsiveness of a bid or the responsibility of a bidder, or any claim that the evaluation of bids violated federal or State law or the Authority's Procurement Regulations.

## **3. Protests Regarding Award of Contract**

Any protest regarding the award of the contract must be filed **no later than ten (10) days after the date of award**. Any protest regarding the award of the contract filed after that date will not be considered by the Authority.

This type of protest will only be entertained by the Authority if the protestor is able to demonstrate that the party awarded the contract fraudulently represented itself as a responsible bidder or that the Authority violated Federal or State law or its Procurement Regulations in the award of the contract.

# **E. Authority Response**

## **1. Types of Protests**

The Authority will notify the protestor upon timely receipt of a bid protest and may, where appropriate, request additional information from the protestor. The Authority may, at its discretion, meet with the protestor to review the matters raised by the protest. The Authority's consideration of the particular types of protests will, except as otherwise provided in subsection 2. "*Decisions by Authority*" of this section, be in accordance with the following provisions:

### **a. Protest regarding solicitation**

Upon receipt of a timely filed protest regarding the solicitation, the Authority will postpone the opening of bids until resolution of the protest. No additional bids will be accepted during the period of postponement.

If the protest regarding the solicitation involves a claim of unduly restrictive or exclusionary specifications, the Authority will, in evaluation of the protest, consider both the specific need of the Authority for the feature or item challenged and any effects on competition of including the specification regarding that feature or item. If the Authority determines that such feature or item was included in the specification in order to meet justified and valid transit needs of the Authority, and was not unduly restrictive of competition or designed to exclude a particular competitor, then the Authority will have grounds to deny the protest.

### **b. Protests regarding bid evaluation**

Upon receipt of a timely filed protest regarding the evaluation of bids, the Authority will suspend its evaluation of all bids submitted until resolution of the protest if the Authority determines that the protestor has established that there are reasonable doubts regarding the responsiveness of a bid or the responsibility of a bidder or regarding the Authority's compliance with Federal or State law or its Procurement Regulations.

### **c. Protests after award**

Upon receipt of a timely filed protest regarding the award of a contract, the Authority will issue a stop work order, if necessary, until the resolution of the protest if the Authority determines that the protestor has established a prima facie case that the contract was awarded fraudulently or in violation of that Federal or State law or the Authority's Procurement Regulations.

## **2. Decisions by Authority**

As indicated above, in most instances the Authority will suspend the procurement process upon receipt of a bona fide bid protest. However, the Authority reserves the right, notwithstanding the pendency of a protest, to proceed with the appropriate action in the procurement process or under the contract in the following cases:

- a. where the item to be procured is urgently required;
- b. where the Authority determines that the protest was vexatious or frivolous; and
- c. where delivery or performance will be unduly delayed, or other undue harm will occur, by failure to make the award promptly.

After review of a bid protest submitted under this section, the Authority will issue a written decision of the basis of the information provided by the protestor, the results of any meetings with the protestor, and the Authority's own investigation. If the protest is upheld, the Authority will take appropriate action to correct the procurement process and protect the rights of the protestor, including resolicitation of bids, revised evaluation of bids or Authority determinations, or termination of the contract. If the protest is denied, the Authority will lift any suspension imposed and proceed with the procurement process or the contract, as the case may be.

The availability of review of bid protest by FTA is described in Section II. As noted in that section, under FTA's revised procurement guidelines the role of the Federal government in bid protest review is quite limited.

## **SECTION II – FTA BID PROTEST PROCEDURE**

Reviews of protests by FTA will be limited to claims that the CTA failed to have or follow protest procedures, or claims that CTA failed to review a complaint or protest. A protestor must exhaust all administrative remedies with the CTA before pursuing a protest with FTA. An appeal to FTA must be received by the cognizant FTA regional or Headquarters Office within five (5) working days of the date the protestor knew or should have known of the violation.

Violations of Federal law or regulation will be handled by the complaint process stated within that law or regulation. Violations of State or local law or regulations will be under the jurisdiction of State or local authorities.

### SPECIAL CONDITIONS

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
**CONTRACT NO. B10OP01570**

#### ELECTRONIC FUND TRANSFER

CTA has adopted Electronic Fund Transfer (EFT) as the preferred method of payment for vendor invoices. An EFT enrollment form is provided and must be completed to enable payment of vendor accounts by this method. If awarded, provide completed EFT form to CTA Purchasing Administrator identified on title page.

#### DELIVERY: RELEASE NOTICE

Periodic Release Notices will be issued against the Contract which will be the Contractor's authority to perform the work. Contractor is not to start performance without first receiving a release from CTA. CTA's primary method of issuing releases will be via e-mail. No paper release(s) will be generated. The Contractor is to provide a dedicated e-mail address on the proposal page, P-1 for receipt of the release(s). The Contractor is to confirm receipt of release(s) to [PurchasingDepartment@transitchicago.com](mailto:PurchasingDepartment@transitchicago.com). The Contractor is to deliver services within the time stated in the release.

#### PERFORMANCE BOND

None required.

#### INSURANCE

None required

#### DELIVERY

Delivery shall be made to the location designated on each individual release. Deliveries to be on weekdays between the hours of 7:00 a.m. and 3:30 p.m. (no holidays). Delivery shall be made within fourteen (14) days after receipt of a purchase order release.

#### DURATION OF CONTRACT

This Contract shall become effective on the date of the Contract and will remain in effect for a period of 36 months.

#### ESTIMATED EXPENDITURES

Based on previous expenditures, CTA anticipates an expenditure of \$190,000.00 on this Contract. This figure is provided for your information only and in no way represents a commitment from CTA to purchase any specific dollar value of material. Periodic releases will be issued over the period of this Contract.

The Contract issued to the successful Bidder will state the total expenditure authorization on the signed acceptance page. Contractor shall notify the Authority in writing when ninety percent (90%) of the total authorization has been expended. Contractor shall not accept any requests for material and/or service in excess of the total contract expenditure authorization unless authorized in writing by the General Manager, Purchasing. Contractor shall be liable for any costs incurred as a result of this failure to notify the Authority or accepting requests not authorized by the General Manager, Purchasing.

### **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
**CONTRACT NO. B10OP01570**

#### **PAYMENT**

The Contractor shall submit an invoice for each release for acceptable and approved material delivered. Payment to the Contractor shall be made within 30 days after final acceptance of material received or within the time stated by the contractor on the proposal page if a cash billing discount is offered. (see CASH BILLING DISCOUNT, on page G-3 of the General Conditions).

#### **ESCALATION**

CTA encourages Bidders to quote prices that are firm for the contract period. If the bidder cannot offer firm prices, then the bidder may quote an escalated percentage for the second and/or third twelve (12) months of the contract. This escalation will be considered during bid analysis. This escalation must be substantiated by a notice of increase and the CTA reserves the right to require evidence satisfactory to the CTA which justifies any and all price increases. Note: Escalation, if quoted is not automatically applied to the second and/or third 12 month period of the contract. Contractors must provide to the Authority a request for and documentation justifying said request. Escalation will not be applied until the request and acceptable documentation are received by the CTA.

#### **SPECIFICATION INTERPRETATION**

The specification is intended to be descriptive but not restrictive. It is solely for the purpose of establishing the type and quality of the equipment which will meet the approval of the CTA. Whenever brand, manufacturer, and product names are indicated they are included only for the purpose of establishing identification and a general description of the item. Whenever such names appear, the term "or approved equal" is considered to follow. Any proposed alternate from the referenced product specification must be documented by the bidder as to its compatibility and performance as being "equal to" the referenced item. The Authority retains exclusive right to determine acceptability of alternate proposals. See PROPOSAL PAGE PREPARATION page SC-4 of these Special Conditions for additional information regarding CTA lot no.s 1731813, 1731814, and 1731815.

#### **ALTERNATE BRANDS**

Alternate brands will be considered if equal to the examples listed on the proposal pages. Bidder to submit a technical specification sheet for evaluation of each item that varies from that listed in the specifications and/or proposal pages. The specification sheet must list in detail the capacities and performance associated with that item. CTA reserves the right to determine if a substitution is acceptable or not acceptable. The CTA may also direct that a sample be furnished for testing and evaluation. In order to issue a contract in a reasonable amount of time, items requiring extensive testing prior to approval will not be considered for an award on this contract. Samples shall be made available at no cost to the CTA and shall be provided within 10 days when requested. See PROPOSAL PAGE PREPARATION page SC-4 of these Special Conditions for additional information regarding CTA lot no.s 1731813, 1731814, and 1731815.



## **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
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### **INSPECTION, SAMPLING, REJECTION AND TESTING**

**Inspection--**Final inspection by the CTA will be made at the point of delivery.

**Sampling--** For purpose of information to Bidder, CTA may test samples from each shipment of delivered supplies.

**Rejection--**CTA reserves the right to reject supplies which do not comply with this Specification in particular and to return the rejected supplies to the Contractor. The rejected supplies shall be replaced by the Contractor, with acceptable supplies within a time limit mutually agreed upon by the CTA and the Contractor and at no additional charge. The Contractor shall assume all testing and shipping expense on rejected supplies

### **TERMINATION FOR CONVENIENCE**

The Authority may terminate this Agreement, in whole or in part, without cause, at any time, by written notice to the Contractor whenever the Authority determines that such termination is in the best interest of the Authority. Upon receipt of written notice of termination, all services and other performance hereunder by the Contractor shall cease to the extent specified in the notice of termination. In the event of termination in whole, the Contractor shall prepare a final invoice within thirty (30) days of such termination reflecting the services actually furnished pursuant to this Agreement to the satisfaction of the Authority and for which no previous invoice was submitted to the Authority.

The Contractor shall be paid costs, including closeout costs, and profit for the services performed up to the time of termination. The Contractor shall promptly submit, in accordance with the terms hereof, a termination claim to the Authority and the parties shall negotiate a termination settlement to be paid the Contractor. If the Contractor has any property in his possession belonging to the Authority, the Contractor will account for same, and dispose of it in the manner the Authority directs.

### **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
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#### **PROPOSAL PAGE PREPARATION**

The bidder shall state on Proposal pages P-2 thru P-4 the unit price and the proposed manufacturer and part number for those items he is quoting except the proposed manufacturers and part numbers for CTA item no.'s 1731813, 1731814, & 1731815.

##### **Tool kit: CTA item no. 1731813**

The items to be included for CTA Item No. 1731813 are listed in CTA specification 6071-11A (Addendum A) and are described in Attachment A to these Special Conditions pages 1 thru 60. A quantity of one each of all the items listed in CTA specification 6071-11A (Addendum A) and described in Attachment A to these Special Conditions pages 1 thru 60 are to be included in the price for item 1731813. Bidder shall state the unit price for CTA Item No. 1731813 on Proposal Page P-2 and the proposed manufacturer and part number next to each item listed in Attachment A to these Special Conditions pages 1 thru 60.

##### **Tool kit: CTA item no. 1731814**

The items to be included for CTA Item No. 1731814 are listed in CTA specification 6071-11A (Addendum B) and are described in Attachment B to these Special Conditions pages 1 thru 21. A quantity of one each of all the items listed in CTA specification 6071-11A (Addendum B) and described in Attachment B to these Special Conditions pages 1 thru 21 are to be included in the price for item 1731814. Bidder shall state the unit price for CTA Item No. 1731814 on Proposal Page P-2 and the proposed manufacturer and part number next to each item listed in Attachment B to these Special Conditions pages 1 thru 21.

##### **Tool kit: CTA item no. 1731815**

The items to be included for CTA Item No. 1731815 are listed in CTA specification 6071-11A (Addendum C) and are described in Attachment C to these Special Conditions pages 1 thru 38. A quantity of one each of all the items listed in CTA specification 6071-11A (Addendum C) and described in Attachment C to these Special Conditions pages 1 thru 38 are to be included in the price for item 1731815. Bidder shall state the unit price for CTA Item No. 1731815 on Proposal Page P-2 and the proposed manufacturer and part number next to each item listed in Attachment C to these Special Conditions pages 1 thru 38.

Due the large number of items included in tool kits 1731813, 1731814, and 1731815 bidders are urged to quote items comprising those tool kits that are listed and approved by the CTA. Bidders may quote alternate items, however, if after review of the proposed alternate, the CTA determines that your substitution is unacceptable you will be required to furnish an approved product at the quoted price or your bid for that particular tool kit will be found non-responsive.

The Bidder shall also state on the Proposal the cash billing discount (if any) to the terms of payment and whether his prices are firm or subject to escalation. The Bidder shall submit with his proposal literature as may be required to clarify the bid. Bid price shall include all applicable charges and represent the delivered price.

### **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
**CONTRACT NO. B10OP01570**

#### **PRIOR USAGE**

The quantities shown on the proposal pages as PRIOR DEMAND is the past year usage. Please note that these quantities are approximate and the actual usage on this contract may vary widely. No adjustment of the quoted unit prices will be permitted due to any variance between the actual usage and those stated on the proposal pages.

#### **BASIS OF AWARD**

Award shall be made to the lowest responsive and responsible bidder based upon the unit price per item listed on Proposal Pages 2 thru 4 including escalation, if any. CTA also reserves the right not to make an award for any and/or all items.

#### **WARRANTY**

Material furnished shall be covered by the manufacturer's Standard Warranty. In the event that a vendor fails to pay approved or partially approved warranty claims within 60 days of submission, the Authority shall send the vendor written notice seeking immediate payment of the outstanding claims. If the vendor fails to pay the outstanding claims within 5 days of vendor's receipt of the written notice, the Purchasing Department shall issue a notice to cure letter providing the vendor with 10 days to cure the default. If the vendor fails to cure the default, the Authority may, at its discretion, deduct the Authority's costs from 1) any unpaid contract funds, 2) any contract retainage amounts or 3) a maintenance or performance bond. If the deductions do not fully satisfy the outstanding claims, the Authority may seek additional remedies. All remedies shall be inclusive of applicable interest payments.

#### **INVENTORY REQUIREMENT**

A minimum quantity inventory is to be calculated for each line item from the quantity stipulated in the Prior Demand column listed on the applicable Bid Proposal page(s).

The vendor/seller must maintain an inventory level for each line item, as applicable, which is equal to a two (2) month supply for each item (as derived from the Prior Demand quantity) at all times subsequent to the implementation of the contract. The minimum quantity inventory must be maintained for which releases against an item will be provided. If the release quantity for an item is greater than the required inventory quantity the vendor/seller shall ship the on-hand quantity and it is to be received by the Authority no later than ten (10) days after receipt of the notice of release. CTA encourages vendor/seller to provide partial shipments, if applicable. The balance required to complete a release, including re-stocking of the minimum quantity order amount shall comply with the requirements stipulated in the "Delivery" section of the contract.

The initial minimum quantity inventory for each line item must be stocked and available no later than the period stipulated in the "Delivery" section of the contract. In addition, any release(s) against an item(s) processed during the initial minimum quantity inventory period is to be received by the Authority no later than the period stipulated in the "Delivery" section of the contract.

### **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
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#### **INVENTORY REQUIREMENT (continued)**

However, if an item has a minimum order quantity, as specified in the contract or has been agreed to by the Authority, that is greater than the two month minimum inventory quantity, vendor/seller must maintain an inventory of at least the minimum order quantity amount. (unless otherwise specified).

CTA has the right under this requirement to adjust (up or down) the minimum quantity inventory for an item at six month intervals subsequent to the execution of the contract. The procurement administrator listed on the cover page of the contract or designee will update/review the previous twelve (12) month Prior Demand quantity at six month intervals after execution of the contract. Notification will be provided to the vendor/seller if the minimum quantity inventory for an item needs to be adjusted for the subsequent six month period.

If vendor/seller is notified the quantity is to be adjusted upward, the vendor/seller must increase its two month inventory quantity accordingly. Likewise, if the quantity is adjusted downward the vendor/seller may adjust its two month inventory quantity accordingly.

CTA reserves the right, at its sole discretion, and with a 48-hour written notice to conduct site visits to audit the required two-month minimum quantity inventory on items under a specific contract. CTA accepts no obligation and shall not be liable to purchase any residual stock that may remain in vendor/seller inventory at the conclusion of the contract term, unless otherwise stipulated between the parties.

#### **PACKAGING**

All material shall be packaged in accordance with good commercial practice. All packages shall be marked with contractors name, CTA's contract and lot number, and manufacturers product number. Items included in tool kits 1731813, 1731814, and 1731815 shall be packaged within the tool box(s) listed for tool kits 1731813, 1731814, and 1731815 in Addendum A, B, & C of specifications 6071-11A.

#### **MINIMUM RELEASE AMOUNT**

In an effort to achieve reduced pricing, the CTA will release material covered under the terms of this contract in the minimum amount of \$100.00 per release.

#### **CTA ETHICS ORDINANCE**

The Contractor agrees to comply with the CTA Code of Ethics, CTA Ordinance No. 004-99, as amended from time to time, the provisions of which are hereby incorporated into this Agreement. The Contractor further agrees that any contract negotiated, entered into or performed in violation of the Code of Ethics shall be voidable as to the CTA.

### **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
**CONTRACT NO. B10OP01570**

#### **ACCESS TO RECORDS AND REPORTS**

The Contractor shall permit and agree to cooperate with the authorized representatives of the CTA , including, but not limited to, the CTA's Inspector General and auditors, who may inspect and audit all data and records of the Contractor relating to the Contractor's performance and Subcontractor contracts under this Contract from the date of this Contract through and until the expiration of five years after completion of this Contract.

#### **PROMPT PAYMENT TO SUBCONTRACTORS**

- A) Prime Contractors are required to pay all subcontractors, both DBE and non-DBE, for all work which the subcontractor has satisfactorily completed, no later than five (5) business days after the prime Contractor received payment from CTA.
- B) In addition, all retainage amounts must be returned by the prime Contractors to the subcontractor no later than fourteen (14) business days after the subcontractor has satisfactorily completed its portion of the contract work, including punch list items, whether or not CTA has paid the prime Contractor.
- C) A delay in or postponement of payment to the subcontractor requires good cause and prior written approval of the Purchasing Agent.
- D) All prime Contractors are required to include, in each subcontract, a clause requiring the use of appropriate arbitration mechanisms to resolve all payment disputes.
- E) CTA will not reimburse prime Contractors for work performed unless and until the prime Contractor ensures that the subcontractors are promptly paid for the work they have performed to date as evidenced by the filing with CTA of lien waivers and canceled checks.
- F) CTA will consider failure to comply with these prompt payment requirements a contract violation which may lead to any remedies permitted under law, including but not limited to, contract debarment.

#### **BIDDER INQUIRIES**

Any questions regarding the content of the Contract Documents must be submitted in writing at least seven days prior to the bid opening. Inquiries can be fax'd to the Procurement Administrator as identified on the cover sheet of the Contract documents at (312) 681-2495.

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

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**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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4 1740167 PC

CRSEVITO 303-#3  
MATCO SDM106P3  
WILMS, JH DP-3  
SNAPONTO UDP163  
CRAFTSMA 9RY41303  
STANLYTO 65-323  
MAYFAIR 4000-6  
S-PROTO 64-103

SCREWDRIVER: HAND #3 PHILLIPS TIP, PLASTIC HANDLE, BLADE DIA. 5/16", BLADE LENGTH  
Description: 6", OVERALL LENGTH 10-1/2" APPROX., FED. SPEC. GGG-S-121 LATEST, TYPE VI, CLASS  
1, SPEC. NO: 4330/6071, PCK. INFO: BX 6 PC

5 1740171 PC

MATCO SDM61P1  
AAHRDMR 74301  
IRWINCO 4000-1-1  
SNAPONTO SSDP-21

SCREWDRIVER: HAND, CLOSE QUARTER, PHILLIPS TIP, NO. 1, 3/16" DIA., BLADE, LENGTH  
Description: APPROX. 1" LONG, PLASTIC HANDLE, SPEC. NO: 4330, PCK. INFO: PC 1 PC

6 1740190 PC

VACOPROD A-132  
TRUCRAFT 5102  
XCELITE S141V  
SNAPONTO UDS101  
CRAFTSMA 9RY4151  
GREATNEC AA22C  
KLEINTOO 600-1  
STANLYTO 66-261  
MATCO SDM82

SCREWDRIVER: HAND, TYPE 1, FLAT TIP, CLASS 3, CLOSE QUARTER, PLASTIC HANDLE, 1-  
Description: 1/2" NOMINAL LENGTH BLADE, 1/4" ROUND, OR SQUARE. 1/4" X .037" TIP. FED.,  
SPEC. GGG-S-121 LATEST, SPEC. NO: 4330, PCK. INFO: PC 1 PC

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

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**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
7	1740147	PC	MATCO	PSDI		
			Snaponto	SSD204		
			CRAFTSMA	941421		
			STANLYTO	66-101		
			XCELITE	R-181		
			VACOPROD	A-230-2		
			CRESENTTO	543-2		
			SCREWDRIIVER: FLAT TIP, PLASTIC HANDLE,, ROCKET CLIP. 1/8" DIAM. BLADE, 2" LONG., Description: 1/8" WIDE TIP, SPEC. NO: 4330, PCK. INFO: PC 1 PC			
8	1740192	PC	STANLYTO	66-164		
			Snaponto	UDS104		
			VACOPROD	A416-4		
			CRAFTSMA	9RY41583		
			XCELITE	R144		
			MATCO	SDMR84		
			SCREWDRIIVER: HAND, FLAT TIP, GENERAL PURPOSE, PLASTIC HANDLE, 1/4" DIA. BLADE 3- Description: 1/2" TO 4" LONG, 1/4" X .037", FLAT TIP, OVERALL LENGTH 7-3/4" APPROX., SPEC. NO: 4330, PCK. INFO: BX 6 PC			
9	1740193	PC	CRAFTSMA	9RY41584		
			XCELITE	R5166		
			IRWINCO	73906		
			MATCO	SDMR106BD		
			Snaponto	UDS106		
			STANLYTO	66-166		
			SCREWDRIIVER: HAND, FLAT TIP, GENERAL, PURPOSE, FLARED, SIDE PLASTIC HANDLE,, Description: 8" HEAVY DUTY BOLSTER, 5/16" DIA. BLADE, 6" LONG, 5/16" X 0.42" TIP, SPEC. NO: 4330, PCK. INFO: PC 1 PC			
10	1740194	PC	XCELITE	R388		
			MATCO	S0106C		
			TRUCRAFT	5408		
			VACOPROD	BD408		
			CRAFTSMA	9-41587		
			SCREWDRIIVER: HAND, FLAT TIP, GENERAL PURPOSE, 3/8" DIA. BLADE, LENGTH OF BLADE Description: 8", FLARED SIDES, PLASTIC HANDLE., FED. SPEC. OGG-S-121 LATEST AMENDMENT., TYPE I, CLASS 5, DESIGN A, SPEC. NO: 4330, PCK. INFO: PC 1 PC			



**CONTRACT NO. B100P01570**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
11	1741170	PC	FARMINTO SNAPONTO MATCO	GA-127 SS-5A SS1M		
SCREW: 9/32" X .032" TIP, STARTER, HAND, METAL HANDLE,, APPROX. 2-3/4" LONG Description: BLADE., FED. SPEC. GGG-S-121 LATEST, TYPE III, SPEC. NO: 4330, PK. INFO: BX 5 PC						
12	1728857	PR	PROTOTOO MATCO CRAFTSMA DIAMALLO CHAMPTO SNAPONTO	263 SG PM1P 9RY45381 HL-110 420 CD48CP		
PLIERS: SLIP JOINT, RUBBER OR INSULATED, HANDLE, ANGLE NOSE, WITHOUT CUTTER, 4 Description: OR, MORE ADJUST., MULTIPLE TONGUE & GROOVE, OVERALL LENGTH 9" TO 11". JAW CAPACITY, 1-3/8" MINIMUM, SPEC. NO: 4330/6071, PK. INFO: CT 50 PR						
13	1728858	PR	PROTOTOO WILMS,JH CRAFTSMA DIAMALLO SNAPONTO MATCO CRSENITTO	226-01G PL-77C 9RY45082 SN57 196CP PM2P 654		

PLIER: ROUND, LONG NEEDLE NOSE, WITH SIDE WIRE CUTTERS/BOW HANDLES, 7" LONG, FED.  
Description: SPEC. GGG-P-471 LATEST, TYPE XI, CLASS I, (LONG NOSE), STYLE A (WITH CUTTER),  
SPEC. NO: 4330, PCK. INFO: CART 50 PR

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
14	1728859	PR	EASCOOTO MATCO DIAMALLO SNAPONTO WILMS, JH BLACKHAW CRAFTSMA GREATNEC WILLIAMST	45-602 437G SS-57 387ACP 57 PT1060 9RY45073 D-75 PL-57C		
<p>PLIER: DIAGONAL CUTTER, HEAVY DUTY., 7" LONG, SPEC. NO: 4330, PCK. INFO:</p> <p>Description: CART 50 PR</p>						
15	1731953	PC	SNAPONTO VISEGRIP PETRUSN, D MATCO	VP10R 10R 10-R V10R		
<p>WRENCH: 10" LOCKING, JAW OPENING, 1-1/4", JAW THICKNESS, 5/8", VISE, GRIP</p> <p>Description: ADJUSTABLE., SPEC. NO: 4392/6071, PCK. INFO: BX 5 PC</p>						
16	1740024	PC	MATCO CORNWELL ARMSTRON WILMS, JH SNAPONTO	RLF16 PB-5 70-519 C-715 1658B		
<p>BAR: PINCH, 1/2" STOCK, 5/8" CHISEL EDGE 16" LONG, FORGED HIGH GRADE ALLOY</p> <p>Description: STEEL., FEDERAL SPEC. GGG-B-101D, SPEC. NO: 6071, PCK. INFO: BX 12 PC</p>						
17	1742072	PC	SNAPONTO CRAFTSMA WILMS, JH HARGRAVE MATCO	PPC-105A 9-42884 P-5 350 PP66M		
<p>PUNCH: PIN OR DRIFT, 5/32" POINT., 3/8" MIN., STOCK, 5" MIN. LENGTH, SPEC. #</p> <p>Description: 6071, PCK. INFO: PC 1 PC</p>						

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UDM	Doc. No.	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered	Page
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18	1742082	PC		RONCOIND MATCO PROTOTOO SNAPONTO CHALGR	458 5/16 FS107M 96 5/8 PPC-910A 96A			
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PUNCH: TAPERED, LONG, 1/2" HEX, 5/16", POINT, 9" LONG (APPROX.), SPEC. NO:  
Description: 6071, PCK. INFO: BX 6 PC

19	1742051	PC		ROOTBROS CRAFTSMA MATCO SNAPONTO WILMS, JH	415-74002 9RY40541 PC125 PPC-4A P-42			
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PUNCH: CENTER, 3/16", POINT, TAPERED, SQUARE HEXAGONAL OR OCTO-SQUARE STOCK, 6"  
Description: LONG, SPEC. # 6071, PCK. INFO: PC 1 PC

20	1728475	PC		SNAPONTO STANLYTO MATCO BALTO MAYHEW DASCO CRAFTSMA	PPC-816A 743 LC166 104 1/2 70205 405 9RY42973			
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CHISEL: FLAT, COLD, FORGED ALLOY STEEL, HEAT TREATED, 1/2" EDGE, 7/16" MINIMUM STOCK, APPROX. 6" LONG, FED. SPEC. GGG-C-313, TYPE IV, CLASS 1. (REG. LENGTH)  
EXCEPT STOCK SIZE, SPEC. NO: 416, REV. NO:  
Description: NO., REV. NO: DATE:, BULL. NO., REV. NO: DATE:, DRAW.  
PAT. NO., PRV. ITEMID:, PCK. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B10OP01570

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

KNIFE: PUTTY, FLEXIBLE BLADE, 1-1/4" X, 3-1/2", FED. SPEC. GGG-K-481, TYPE IV,,  
AMEND. 4, HANDLE LENGTH 3-3/4", BLADE, OF HIGH CARBON CUTLERY TOOL STEEL OIL,  
Description: HARDENED. TEMPERED AND FULL TAPER, GROUND UNDER WATER, GENUINE ROSEWOOD, HANDLE,  
SPEC. # 6071, PCK. INFO: BX 12 PC

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Part No.	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
25	1739427	SE		PROTOTOO EKLIND MATCO SNAPONTO	4978 91S AM49241 AM-9K		
<p>WRENCH: SET, HEXAGON KEY, 9 SIZES, CONSISTING OF SIZES: .050", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16" KNIFE TYPE HANDLE. SPEC. NO: 6071</p> <p>PK. INFO: SE 9 PC REVISED: 2/1/11</p>							
26	1739428	PC		PROTOTOO SNAPONTO CORNWELL ARMSTRON EKLIND	4994 AM-5K EK-20511 66-867 51		
<p>WRENCH: SET, 5 SIZES, HEXAGON KEY,, CONSISTING OF SIZE'S 3/16", 7/32", 1/4", 5/16", 3/8" IN KNIFE TYPE, HANDLE., SPEC. NO: 6071, PK. INFO: BX 6 PC</p>							
27	1754254	PC		MATCO PROTOTOO SNAPONTO WILMS,JH BONNEYFO	MB47 5298 KRA253 TB-15 MB 36		
<p>BOX: TOOL, 17-1/2" X 4-3/4" X 1-1/2",, METAL W/COVER, DIVIDERS AND LATCHES., SPEC. NO: 6071, PK. INFO: PC 1 PC</p>							
28	1905032	PC		AMLOCKCO	A1106BRN		
<p>PADLOCK: WEATHERBUILT ALUMINUM DURANODIC 5-PIN TUMBLE CYLINDER, REKEYABLE AND, INTERCHANGEABLE CYLINDER. 1-1/2" WIDE 3/4" BODY CASE HARDENED STEEL CHROME, Description: PLATED SHACKLE, 1/4" SHACKLE SIZE 1-1/2" TWO KEYS PER LOCK NOT KEYS ALIKE., DO NOT SUBSTITUTE, C-499, SPEC. NO: 6825/6071, PK. INFO: BX 6 PC</p>							
29	1744258	PC		MATCO ARMSEBROS SNAPONTO	MB22A 16-601 KRA-255A		
<p>BOX: TOOL, FOR 1/4" DRIVE SET, APPROX., 6-1/2" X 4-1/4" X 1", SPEC. NO: 6071, Description: PK. INFO: CART 10 PC</p>							

# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
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## ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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30 1732125 PC

INDESTRO 2832  
 WILMS, JH M-102  
 PROTOTOO 4759  
 CORNWELL E-0-2  
 MATCO A2E  
 SNAPONTO TMMK2-2  
 ARMSTRON 10-921

BAR: EXTENSION, HAND, 1/4" SQUARE, DRIVE, 2" LONG, FED. SPEC. GGG-E-641, LATEST.  
 Description: TYPE IV, CLASS 4, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

31 1732126 PC

ARMSTRON 10-923  
 WILMS, JH M-115  
 PROTOTOO 4761  
 SNAPONTO TMMK2-6  
 MATCO A6E  
 CRAFTSMA 9RY43531  
 INDESTRO 2833  
 CORNWELL E-0-6  
 CHALGR 1066

BAR: EXTENSION, HAND, 1/4" SQUARE, DRIVE, 6" LONG., FED. SPEC. GGG-M-641 LATEST,  
 Description: TYPE IV., CLASS 4, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

32 1732667 PC

CRAFTSMA 9RY43372  
 MATCO A6SH  
 ARMSTRON 10-943  
 SNAPONTO TN-4CS  
 CHALGR 1069  
 PROTOTOO 4769  
 INDESTRO 2873  
 WILMS, JH M106A  
 CORNWELL HN-02P

HANDLE: SPINNER, SOCKET DRIVER EXTEN., SION, SCREWDRIER TYPE, PLASTIC GRIP.,  
 Description: 1/4" SQUARE DRIVE, 6" LONG., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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33	1731770	PC	WILLIAMST DEMCO SNAPONTO CRAFTSMA MATCO INDESTRO CHALLENG	M-52A 1060D T936 9-44807 AR4 2875A 1060A		
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WRENCH: RATCHET, MIDGET, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST., TYPE III HANDLE, CLASS 2 REVERSIBLE, RATCHET., SPEC. NO: 3991/6071, PCK. INFO: BX 3 PC

34	1730937	PC	MATCO CHALGR CRAFTSMA CORNWELL SNAPONTO ARMSTRON WILMS.JH PROTOTOO INDESTRO	A3U 1080 9RY4280 UJ-0 TMU-8 10-947 M-140A 4770 2836		
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JOINT: UNIVERSAL, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641D, TYPE IV, CLASS 2, Description: SPEC. NO: 3991/6071, PCK. INFO: BX 3 PC

35	1730001	PC	WILLIAMST PROTOTOO SNAPONTO INDESTRO	M-808 4708S TM-408 2808-S		
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SOCKET: HAND, 1/4", DOUBLE SQUARE, 8 PT., REGULAR, LENGTH 1/4" SQ. DRIVE., FED. Description: SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
36	1730002	PC	SNAPONTO WILLIAMST INDESTRO ARMSTRON PROTOTOO	TM-410 M-810 2810S 11-410 4710S		
SOCKET: HAND, 5/16" DOUBLE SQUARE, .8 PT., 1/4" SQUARE DRIVE, REGULAR, LENGTH, Description: FED. SPEC. G33-W-641 LATEST, TYPE II, CLASS 3, SPEC. NO: 3991, PCK. INFO: PC 1 PC						
37	1730377	PC	ARMSTRON PROTOTOO SNAPONTO WILLIAMST INDESTRO	10-412 4712S TM-412 M-812 2812-S		
SOCKET: HAND, 3/8" DOUBLE BROACHED, .8 PT., 1/4" SQUARE DRIVE, FED. SPEC. G33-W-641 LATEST, TYPE 2, CLASS 3, SPEC. NO: 3991, PCK. INFO: PC 1 PC						
38	1730020	PC	ARMSTRON WILMS,JH MATCO INDESTRO SNAPONTO CRAFTSMA PROTOTOO CHALGR	10-010 M-610 A106 2810 TM10 9RY43495 4710 1010		
SOCKET: HAND, 5/16", 6 PT., REGULAR, LENGTH 1/4" SQUARE DRIVE, FED. SPEC. G33-W-641 LATEST, TYPE II, CLASS 1, STYLE A, SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC						



# **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

## **ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET** **CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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39	1730017	PC	MATCO	A86		
			CRAFTSMA	9RY43493		
			INDESTRO	2808		
			CHALLENG	1008		
			WILMS, JH	M-608		
			ARMSTRON	10-008		
			SNAPONTO	TM8		
			PROTOTOO	4708		
			CORNWELL	T-0208		

SOCKET: HAND, 1/4", 6 PT., 1/4" SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC  
 1 PC

40	1730021	PC	CRAFTSMA	9RY43497		
			MATCO	A126		
			WRIGHTO	2012		
			CHALGR	1012		
			CORNWELL	T-0212		
			SNAPONTO	TM12		
			PROTOTOO	4712		
			INDESTRO	2812		
			ARMSTRON	10-012		
			WILMS, JH	M-612		

SOCKET: HAND, 3/8", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC  
 1 PC

41	1730022	PC	ARMSTRON	10-014		
			CRAFTSMA	9RY43498		
			SNAPONTO	TM14		
			CORNWELL	T-0214		
			MATCO	A146		
			CHALGR	1014		
			PROTOTOO	4714		
			WILMS, JH	M-614		
			INDESTRO	2814		

SOCKET: HAND, 7/16", 6 PT., 1/4", SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE A., REG. LENGTH., SPEC. NO: 3991/6071, PCK. INFO: PC  
 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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42	1730023	PC	SNAPOUTO CORNWELL CHALLENGE INDESTRO ARMSTRON CRAFTSMA WILMS, JH MATCO PROTOTOO	TM16 T-0216 1016 2816 10-016 9RY43499 M616 A166 4716		
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SOCKET: HAND, 1/2", 6 PT., 1/4", SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE  
 Description: II., CLASS 1, REGULAR LENGTH., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

43	1732135	PC	CHALGR MATCO CORNWELL CRAFTSMA PROTOTOO ARMSTRON WILMS, JH SNAPOUTO INDESTRO	1265 B3E E-2-3 9RY44264 5260 11-922 B-108 FKK3 2730		
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BAR: EXTENSION, HAND, 3/8" SQUARE DRIVE., 3" LONG. FED. SPEC. GGG-W-641 LATEST.,  
 Description: TYPE IV, CLASS 4, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: BX 4 PC

44	1732136	PC	WILMS, JH SNAPOUTO CRAFTSMA MATCO INDESTRO CORNWELL CHLGR PROTOTOO ARMSTRON	B-110 FKK6 9RY44261 B6E 2733 E-2-6 1266 5260-06 11-923		
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BAR: EXTENSION, HAND, 3/8" DRIVE., 6 LONG. FED. SPEC. GGG-W-641 LATEST., TYPE  
 Description: IV, CLASS 3, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: BX 4 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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45	1732138	PC	CORNWELL	E-2-12		
			MATCO	B12E		
			WRIGHTTO	3412		
			CHALGR	1268		
			SNAPONTO	UE120		
			PROTOTOO	5262		

BAR: EXTENSION, HAND, 3/8" SQUARE, DRIVE, 12" LONG., FED. SPEC. GGG-W-641 LATEST, TYPE IV., CLASS 4, EXTENSION BAR, STYLE A SOLID., SPEC. NO: 3991, PCK. INFO: BOX 4 PC

46	1731773	PC	MATCO	BR8DP		
			INDESTRO	2775		
			CRSENITTO	LT-75		
			CHALGR	1260		
			SNAPONTO	F936		
			CRAFTSMA	9-44811		
			KALTOOLS	1249		
			ARMSEBROS	F-91		
			WILMS,JH	B-52		
			WRIGHTTO	3426		

WRENCH: RATCHET, 3/8" SQUARE DRIVE,, REVERSIBLE, 6-3/4" LONG, FED. SPEC. GGG-641 LATEST, TYPE III, HANDLE CLASS 2., SPEC. NO: 3991/6071, PCK. INFO: BX 8 PC

47	1730936	PC	PROTOTOO	5270		
			MATCO	B3U		
			INDESTRO	2797		
			CHALGR	1280		
			CORNWELL	UJ-2		
			SNAPONTO	FU-80A		
			CRAFTSMA	9RY4435		
			WILMS,JH	B140A		
			ARMSTRON	11-947		

JOINT: UNIVERSAL, HAND TYPE, 3/8", SQUARE DRIVE, FED.SPEC.GGG-W-641 LATEST, TYPE IV., CLASS 2., SPEC. NO: 3991/6071, PCK. INFO: BX 6 PC

## SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered

48	1730050	PC	INDESTRO	2708-H
			SNAPONTO	FS-081
			RONCOLIND	EAS-42-1108
			WILMS, JH	B-608
			SEARSROB	9-42999
			ARMSTRON	11-008
			PROTUTOO	5208H
			CORNWELL	T-2208
			MATCO	B86

SOCKET: HAND, 1/4" STANDARD, 6 PT., 3/8" SQUARE DRIVE, REGULAR LENGTH, FED.  
Description: SPEC. GGG-W-641 LATEST, TYPE 11, CLASS 1, STYLE A., SPEC. NO: 3991/6071,  
PK. INFO: PC 1 PC

49	1730051	PC	SNAPONTO	FS-101
			MATCO	B106
			ARMSTRON	11-010
			PROTOTOO	5210H
			SEARSROB	9-43000
			INDESTRO	2710-H
			CORNWELL	T-2210
			WILMS,JH	B-610

SOCKET: HAND, 5/16", 6 PT., 3/8", SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-  
Description: W-641 LATEST, TYPE II., CLASS 1, TYPE A., SPEC. NO: 3991/6071, PCK. INFO: PC  
1 PC

50	1730054	PC	ARMSTRON	11-012
			CHALZER	1212H
			SNAFONTO	FS121
			CRAFTSMA	9RY43001
			PROTOTOO	5212H
			CORNWELL	T-2212
			WILMS, JH	B-612
			MATCO	B126
			INDESTRO	2712-H

SOCKET: HAND, 3/8", 6 PT., REGULAR, LENGTH, 3/8" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC



# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

## ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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54	1730058	PC	CRAFTSMA MATCO SNAPONTO PROTOTOO INDESTRO CHALGR ARMSTRON WILMS,JH CORNWELL	9RY43005 B-206 FS 201 5220H 2720 H 1220 H 11-020 B-620 T-2220		
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Description: SOCKET: HAND, 5/8" 6 PT., 3/8" DRIVE,, STANDARD LENGTH 1-1/32" APPROX., FED.  
 INFO: PC 1 PC SPEC. NO: 3991, PCK.

55	1730059	PC	ARMSTRON CORNWELL SNAPONTO PROTOTOO CHALGR CRAFTSMA WILMS,JH MATCO INDESTRO	11-022 T-2222 FS 221 5222H 1222H 9RY43006 B-622 B-226 2722-H		
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Description: SOCKET: HAND, 11/16" 6 PT., 3/8", DRIVE, REGULAR LENGTH, 1-1/8" APPROX., FED.  
 PCK. INFO: PC 1 PC SPEC. NO: 3991/6071,

56	1730055	PC	ARMSTRON PROTOTOO CHALGR WILMS,JH INDESTRO CRAFTSMA SNAPONTO MATCO CORNWELL	11-024 5224H 1224H B-624 2724-H 9RY43007 FS241 B246 T-2224		
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Description: SOCKET: HAND, 3/4", 6 PT., REGULAR, LENGTH, 3/8" SQUAREDRIVE, FED. SPEC. GGG-W-  
 1 PC SPEC. NO: 3991/6071, PCK. INFO: PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
57	1732145	PC	CRAFTSMA CHALGR INDESTRO CORNWELL WILMS,JH PROTOTOO SNAPONTO	9RY4322 1665 3230 E-3-2 S-102-P 12-921 SX-2		
Description: BAR: EXTENSION, HAND, 1/2" SQUARE DRIVE,, 2" MINIMUM FED. SPEC. GGG-W-641 LATEST,, TYPE IV, (ATTACHMENT) CLASS 4 (BAR EXT.), STYLE A (SOLID).. SPEC. NO: 3991/6071, PK. INFO: PC 1 PC						
58	1732147	PC	PROTOTOO CHALGR SNAPONTO INDESTRO CRAFTSMA MATCO ARMSTRON WILMS,JH CORNWELL	5261-1/2 1666 SX5 3216 9RY44131 C5E 12-923 S-110P E-3-5		
Description: BAR: EXTENSION, HAND TYPE, 1/2" SQUARE, DRIVE, 5" LONG, FED. SPEC. GGG-W-641, LATEST, TYPE IV, (ATTACHMENT), CLASS 4,, (BAR EXT), STYLE A, (SOLID).. SPEC. NO: 3991/6071, PK. INFO: BX 4 PC						
59	1732148	PC	CRAFTSMA ARMSTRON CORNWELL SNAPONTO CHALGR INDESTRO MATCO WILMS,JH	9RY44132 12-924 E-3-10 SX10 1667 3211 C10E S115P		
Description: BAR: EXTENSION, 1/2" SQUARE, DRIVE 10", LONG PER FED. SPEC. GGG-W-641 LATEST,, TYPE IV, CLASS 4, EXTENSION BAR, STYLE, A SOLID,, SPEC. NO: 3991/6071, PK. INFO: BX 4 PC						

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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60	1731771	PC	SNAPOUTO WILLIAMST INDESTRO CHALLENG CRAFTSMA STANLYTO MATCO	LS 71A S-52A 6472 1660 9RY44985 89-819 CR11		
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WRENCH: RATCHET, REVERSIBLE, 1/2", SQUARE DRIVE., FED. SPEC. GGG-W-641 LATEST, TYPE III., (HANDLE), CLASS 2., SPEC. NO: 3991, REV. NO: DATE: BULL. NO: REV. NO: Description: DATE: DRAW. NO: PAT. NO: PRV. ITEMID: PCK. INFO: BX 3 PC

61	1732566	PC	CRAFTSMA CHLGER SNAPOUTO PROTOTOO INDESTRO ARMSTRON WILMS,JH MATCO	9RY44202 1668 SN18A 5467 3223 12-917 S-41 C18PM		
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BAR: BREAKER, 1/2" SQUARE DRIVE, MIN., 14", MAX. 19", SPEC. NO: 3991/6071, Description: PCK. INFO: BOX 2 PC

62	1730935	PC	CRAFTSMA ARMSTRON PROTOTOO CORNWELL WILMS,JH SNAPOUTO INDESTRO CHALGR MATCO	9RY4425 12-947 5470 UJ-3 S-140A S8 3217 1680 C3U		
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JOINT: UNIVERSAL, HAND TYPE, 1/2", SQUARE DRIVE., FED. SPEC. GGG-W-641, TYPE IV., Description: (ATTACHMENT), CLASS 2 (UNIVERSAL JOINT), SPEC. NO: 3991/6071, PCK. INFO: BX 4 PC



**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

ATTACHMENT A  
CTA LOT# 1731813  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
63	1731131	PC	SNAPO NTO CORNWELL	XS-810A BW-0810S	
<p>WRENCH: BOX, 1/4" X 5/16", 12 PT., 16, DEGREE OFFSET EACH END, SHORT LENGTH, (4", Description: MAX. 5"), FED. SPEC. GGG-W-636, LATEST, TYPE 1, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>					
64	1731345	PC	SNAPO NTO CORNWELL MARTIN FARMVITO	XS 1012 BW-1012S 9721 9721	
<p>WRENCH: BOX, DOUBLE HEAD, 5/16" X 3/8", OPENING, 12 POINT, DEEP DOUBLE OFFSET,, Description: SHORT LENGTH, OVERALL LENGTH MIN. 4",, MAX. 5". FED. SPEC. GGG-W-636 LATEST,, TYPE 1, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>					
65	1731346	PC	MARTIN SNAPO NTO WILMS,JH ARMSTRON CORNWELL MATCO PROTOOTO	9723 XS-1214 6723 26-543 BW-1214S WED1214 8160	
<p>WRENCH: BOX, 3/8" X 7/16" OPENING, 12, PT., DOUBLE OFFSET DEEP, SHORT LENGTH,, Description: (MIN. 4-1/4", MAX. 5-1/4"),, FED. SPEC. GGG-W-636 LATEST, TYPE 1,, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>					
66	1731348	PC	CORNWELL MATCO MARTIN INDESTRO WILMS,JH SNAPO NTO	BW-1618S WED1618 9725B 752 6725-B XS-1618A	
<p>WRENCH: BOX, 1/2" X 9/16" OPENING,, 12 PT., DOUBLE HEAD, 15 DEG. OFFSET, EACH Description: END, SHORT LENGTH, (MIN. 5" MAX., 6"). FED. SPEC. GGG-W-636 LATEST,, TYPE 1, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>					

CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
67	1731350	PC	WILMS, JH INDESTRO MARTIN SNAPONTO KALITOOLS MATCO CORNWELL	9729 753A 9729 XS-2024 2332 WBD2024 BW-2024S		
WRENCH: BOX, DOUBLE HEAD, 5/8" X 3/4", 12 PT., DOUBLE OFFSET SHORT LENGTH,, Description: OVERALL LENGTH MIN. 5-3/4" - MAX. 6-3/4", FED. SPEC. GGG-W-636 LATEST, TYPE 1,, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC						
68	1731352	PC	CORNWELL SNAPONTO	BW-2226S XS-2226		
WRENCH: BOX, 11/16" X 13/16", 12 PT., DOUBLE OFFSET SHORT LENGTH APPROX., 6- Description: 1/2". FED. SPEC. GGG-W-636 LATEST,, TYPE 1, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC						
69	1730801	PC	SNAPONTO ARMSTRON PROTOTOO CORNWELL S-PROTO MATCO WILMS, JH INDESTRO CHALLENG	IM140 20-614 7414H P-3214 UM-1614 CP146 4-614 1164 7414H		

SOCKET: DRIVE, POWER (IMPACT), 7/16" SINGLE HEXAGON (6 POINT), REGULAR LENGTH,  
Description: 1/2" SQUARE, DRIVE, PER FED. SPEC. GGG-W-660 LATEST, TYPE 1, CLASS 1, STYLE A, OR  
ASME B107.2, CLASS 1, STYLE A., SPEC. NO: 3992., PCK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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70	1730802	PC	CHALLENGE	7416H		
			MATCO	CP-166		
			SNAPONTO	IM160		
			INDESTRO	1166		
			PROTOTOO	7416H		
			WILMS,JH	4-616		

SOCKET: POWER (IMPACT) DRIVE, 1/2" SINGLE HEX (6 POINT), REGULAR LENGTH, 1/2" SQUARE, DRIVE, INDUSTRIAL BLACK FINISH, MUST MEET FED. SPEC. GGG-W-660 LATEST, TYPE I, CLASS 1, STYLE A, FOR ASME B107.2, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

71	1730803	PC	ARMSTRON	20-218		
			WILMS,JH	4-618		
			MATCO	CP186		
			PROTOTOO	7418H		
			CHALLENGE	748H		
			INDESTRO	1168		
			SNAPONTO	IM180		

SOCKET: DRIVE, POWER (IMPACT), 9/16" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE, DRIVE, PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST, TYPE I, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

72	1730804	PC	WILMS,JH	4-620		
			CORNWELL	P-3220		
			CHALLENGE	7420H		
			MATCO	CP206		
			ARMSTRON	20-020		
			INDESTRO	1170		
			PROTOTOO	7420H		
			SNAPONTO	IM200		

SOCKET: DRIVE, POWER, (IMPACT), 5/8" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE, DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, , STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

## SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

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ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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73	1730805	PC	MATCO	CP226		
			WILMS, JH	4-622		
			SNAPONTO	IM220		
			PROTOTO	7422H		
			CORNWELL	P-3222		
			INDESTRO	1176		
			CHALLENG	7422-H		
			ARMSTRON	20-022		

Description: SOCKET: DRIVE, POWER (IMPACT), 11/16" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

74	1730806	PC	INDESTRO	1174		
			ARMSTRON	20-024		
			PROTOTO	7424H		
			WILMS, JH	4-624		
			SNAPONTO	P-240		
			MATCO	CP246		
			CORNWELL	P3224		
			CHALLENG	7424H		

Description: SOCKET: DRIVE, POWER (IMPACT), 3/4" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-2-660, LATEST, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

75	1730807	PC	MATCO	CP266		
			PROTOTO	7426H		
			CORNWELL	P-3226		
			INDESTRO	1176		
			ARMSTRON	20-026		
			CHALLENG	7426H		
			SNAPONTO	IM260		
			WILMS, JH	4-626		

Description: SOCKET: DRIVE, POWER (IMPACT) 13/16" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE, PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

**CONTRACT NO. B100P01570**

## CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
76	1730809	PC	SNAPONTO	IM280		
			INDESTRO	1178		
			CHALLENG	7428H		
			ARMSTRON	20-028		
			MATCO	CP286		
			WILMS, JH	4-628		
			PROTOTOO	7428H		
			CORNWELL	P-3228		
SOCKET: DRIVE, POWER (IMPACT), 7/8" SINGLE HEXAGON, (6 PT.) REGULAR LENGTH, 1/2" Description: SQUARE DRIVE. FED SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A, OR ASME B107.2, CLASS 1, STYLE A., SPEC. NO: 3992, PK. INFO: PC 1 PC						
77	1730808	PC	MATCO	CP306		
			WILMS, JH	4-630		
			SNAPONTO	IM300		
			INDESTRO	1180		
			PROTOTOO	7430H		
			ARMSTRON	20-030		
			CHALLENG	7430H		
			CORNWELL	P-3230		
SOCKET: DRIVE, POWER (IMPACT), 15/16" SINGLE HEXAGON, (6 PT.), REGULAR, 1/2" Description: SQUARE DRIVE. PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A., SPEC. NO: 3992, PK. INFO: PC 1 PC						
78	1730810	PC	CORNWELL	P-3232		
			ARMSTRON	20-032		
			PROTOTOO	7432H		
			SNAPONTO	IM320		
			CHALLENG	7432H		
			MATCO	CP326		
			WILMS, JH	4-632		
			INDESTRO	1182		

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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79	1730816	PC	ARMSTRON	20-034		
			PROTOTO	7434H		
			CHALLENG	73434H		
			SNAPONTO	IM340		
			MATCO	CP346		
			WILMS.JH	4-634		
			INDESTRO	1184		
			CORNWELL	P-3234		

Description: SOCKET: DRIVE, POWER (IMPACT), 1-1/16" SINGLE HEXAGON, 6 PT., REGULAR LENGTH, 1/2" SQUARE DRIVE. PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660 LATEST TYPE 1, CLASS 1, STYLE A., SPEC. NO: 3992, PK. INFO: PC 1 PC

80	1730811	PC	CORNWELL	P3236		
			SNAPONTO	IM360		
			INDESTRO	1186		
			ARMSTRON	20-036		
			PROTOTO	7436-H		
			WILMS.JH	4-636		
			MATCO	CP366		

Description: SOCKET: DRIVE, POWER (IMPACT), 1-1/8" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE GGG-H-660 LATEST, TYPE 1, CLASS 1, STYLE A, OR ASME B107.2, CLASS 1, STYLE A., SPEC. NO: 3992, PK. INFO: BX 6 PC

81	1738070	PC	CORNWELL	P-3240		
			SNAPONTO	IM-400		
			WILMS.JH	4-640		
			PROTOTO	7440H		
			MATCO	CP 406		
			ARMSTRON	20-040		
			CHALLENG	7440H		
			INDESTRO	1190		

Description: SOCKET: DRIVE, POWER (IMPACT), 1-1/4", SINGLE HEX (6 POINT), REGULAR LENGTH, 1/2" SQ. DRIVE, PER ASME B107.2, CLASS 1, STYLE A, OR FED SPEC. GGG-2-660 LATEST, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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82	1730961	PC	SNAPONTO	IMF120		
			CORNWELL	P-2212		
			SEARSROB	3812		
			INDESTRO	4362		
			MATCO	BP126		
			WILMS,JH	2-612		
			PROTOTOO	7212H		
			ARMSTRON	19-012		

Description: SOCKET: DRIVE, POWER (IMPACT), 3/8" SINGLE HEXAGON, (6 PT.), STANDARD LENGTH, 3/8" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED SPEC. QGG-W-660 LATEST, TYPE I., CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

83	1738066	PC	ARMSBROS	19-014		
			SNAPONTO	IMF140		
			INDESTRO	4364		
			WILMS,JH	2-614		
			MATCO	BP146		
			PROTOTOO	7214H		
			CORNWELL	P2214		

Description: SOCKET: DRIVER, POWER (IMPACT), 7/16" SINGLE HEX (6 POINT) STANDARD LENGTH, 3/8" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A FED. SPEC. QGG-W-660 LATEST, TYPE I, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

84	1738067	PC	CORNWELL	P-22216		
			MATCO	BP166		
			SNAPONTO	IMF-160		
			ARMSBROS	19-016		
			INDESTRO	4366		
			WILMS,JH	2-616		
			PROTOTOO	7216H		

Description: SOCKET: DRIVE, POWER (IMPACT), 1/2" SINGLE HEXAGON (6 POINT) STANDARD LENGTH, 3/8" SQUARE, DRIVE. FED. SPEC. QGG-W-660 LATEST, TYPE I, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Gr	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
85	1738068	PC		SNAPONTO CORNWELL MATCO PROTOTOO INDESTRO WILMS, JH ARMEROS	IMF-180 P-2218 BP186 7218H 4368 2-618 19-018		
SOCKET: DRIVE, POWER (IMPACT), 9/16" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, Description: 3/8", SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST,, TYPE I, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC							
86	1738069	PC		SNAPONTO PROTOTOO WILMS, JH ARMSTRON INDESTRO CORNWELL MATCO	IMF-200 7220H 2-620 19-020 4370 P-2220 BP206		
SOCKET: DRIVE, POWER (IMPACT), 5/8" SINGLE HEXAGON, 6 PT., STANDARD LENGTH, 3/8", Description: SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660 LATEST, TYPE I,, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC							
87	1730962	PC		ARMSTRON PROTOTOO INDESTRO SNAPONTO CORNWELL MATCO WILMS, JH	19-022 7222-H 4372 IMF220 P-2222 BP226 2-622		
SOCKET: DRIVE, POWER (IMPACT), 11/16" SINGLE HEXAGON, (6 PT.), STANDARD LENGTH, Description: 3/8", SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A FED. SPEC. GGG-W-660 LATEST, TYPE I,, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC							



SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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88	1730963	PC	CORNWELL	P-2224		
			ARMSTRON	19-024		
			WILMS,JH	2-624		
			INDESTRO	4374		
			SNAPONTO	IME240		
			MATCO	BP246		
			PROTOTOO	7224H		

Description: SOCKET: DRIVE, POWER (IMPACT), 3/4" SINGLE HEXAGON, (6 PT.), STANDARD LENGTH,,  
3/8" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED SPEC. GGG-W-660,  
LATEST TYPE I., CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

89	1741745	PC	COOPNEUM	CP828		
			SNAPONTO	AT700C		
			INGERSLA	IR107K9A		

Description: RATCHET: AIR OPERATED, 3/8" SQUARE DRIVE HEAVY DUTY, 150 RPM, 10-50 FT. LB.,  
SPEC. # 6071, PCK. INFO: PC 1 PC

90	1740023	PC	SNAPONTO	2420		
			FARMINTO	189		
			AMESBLDW	11611		

Description: BAR: PINCH, HEAT TREATED FORGED, ALLOY STEEL, 3/4" MINIMUM STOCK,, TAPERED POINT,  
APPROX. 20" LONG., CLM. 433349., SPEC. NO: 6071, PCK. INFO: PC 1 PC

91	1728484	PC	MAYHEW	70216		
			SNAPONTO	PPC-828A		
			CRAFTSMA	9RY42976		
			MATCO	LC288		
			OSBORNMF	325-7/8		
			WILMS,JH	C-28		
			DASCO	413		
			CINCINTO	200		

Description: CHISEL: FLAT, COLD, HEAT TREATED, FORGED ALLOY STEEL, 7/8" SIZE,, 7-1/2" MINIMUM  
LENGTH, SPEC. NO: 416, PCK. INFO: PC 1 PC



## **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
96	1740588	PC	HELLERTO VALLEYTO MATCO TRUETEMP SNAPONTO CRAFTSMA STANLYTO PLUMBINC	804B 24BPS BH24 1224G BP24B 9RY38466 54-024 0375		
<p>HAMMER: MACHINISTS, 1-1/2 LB., BALL, PEIN, POLISHED FACE AND PEIN, FED. SPEC. GGG-H-86 LATEST, AMENDMENT, TYPE II, CLASS I, STYLE A, SPEC. NO: 4330, PCK. INFO: BOX 6 PC</p>						
97	1740589	PC	SNAPONTO STANLYTO MATCO TRUETEMP VALLEYTO MARIONFR MAYFAIR	BP48B 54-048 HB48 848 48BPS 5248 TC848		
<p>HAMMER: MACHINISTS, 3 LB., BALL PEIN, POLISHED FACE &amp; PEIN, FED. SPEC. GGG-H-86 LATEST, AMENDMENT, TYPE II, CLASS I, STYLE A, SPEC. NO: 4330, PCK. INFO: BX 5 PC</p>						
98	1732565	PC	INDESTRO SNAPONTO WILMS,JH CHALGR	2781 UN100 B-40A 1270		
<p>HANDLE: HINGED, FLEXIBLE HEAD, 3/8" SQUARE DRIVE,, KNULED GRIP, LENGTH 7" MIN., 10" MAX., FED. SPEC. GGG-W-641 LATEST, TYPE III, HANDLE,, CLASS I HINGED,, SPEC. NO: 3991/6071, PCK. INFO: BOX 3 PC</p>						
99	1731762	PC	RIDGETOO CRAFTSMA	31010 9-51651		
<p>WRENCH: PIPE, STRAIGHT OVERALL LENGTH, 10", FED. SPEC. GGG-W-651 LATEST TYPE II,, HEAVY DUTY ADJUSTABLE CLASS A. JAW, CAPACITY 1-1/2", DO NOT SUBSTITUTE. ISSUE TO AREA 553, ONLY., SPEC. NO: 4367/6071, PCK. INFO: BX 6 PC</p>						

**CONTRACT NO. B100P01570**

**ATTACHMENT A**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
100	1900268	PC	DENCO BLDISTR CORNEL SNAPONTO	30196 164 164SH AC58C	
BRUSH: WIRE, BLACK TEMPERED STEEL, 4 X 16 ROWS, 5' L, WITH A TRIM OF 1-3/16", HARDWOOD SHOE HANDLE BLOCK OF A SIZE, 10" X 1-1/8" OVERALL LENGTH., SPEC. NO: 387, REV. NO: DATE: DRAW. NO: REV. NO: PAT. NO.: PRV. ITEMID:					
101	1728646	PC	PROTOTOO SNAPONTO SUPRTOOL SUPRTOOL WILMS,JH INDESTRO CRAFTSMA	350 TC-28C 300-EB 35218 TT-166 262 9RY52146	
CUTTER: COR COPPER BRASS, BRONZE OR SIMILAR TUBING, TO CUT 1/8" TO 1" DIAM., Description: SPEC. NO: 6071, PCK. INFO: CT 24 PC					
102	1740455	PC	NICHOLSO NICHOLSO	80962 80951	
FRAME: HACK SAW FLAT FRAME, OPEN GRIP, MEDIUM THROAT, ADJUSTABLE LENGTH, FOUR, I, CLASS 1, STYLE B., SPEC. NO: 6071, PCK. INFO: BX 6 PC					
103	1742527	PC	PROTOTOO QUALITYTO SNAPONTO RIMAC	2306 1010 CP3B 14	
Description: CUTTER: TOOL, PIN, STOCK 5/16", OVERALL LENGTH 6-5/8", PCK. INFO: PC 1 PC					
104	1739419	PC	SNAPONTO	VS12	
WRENCH: OPEN END, DOUBLE HEAD, 30 &, 60 DEGREE ANGLE HEADS, 3/8" OPENINGS., FED. Description: SPEC. GGG-W-636 LATEST XVI, STYLE, 2., SPEC. NO: 4367/6071, PCK. INFO: BOX 10 PC					

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
105	1731749	PC	SNAPONTO MATCO FARMVITO	VS-16 MOEA16 3712		
<p>WRENCH: OPEN END, TYPE XVI, DOUBLE HEAD,, STYLE 1 OR 2, 15 OR 30 &amp; 60 DEGREE            Description: ANGLE, HEAD, 1/2" OPENINGS., FED. SPEC. GGG-W-636 LATEST,, SPEC. NO: 4367/6071, PCK. INFO: BX 12 PC</p>						
106	1739420	PC	SNAPONTO	VS-14		
<p>WRENCH: OPEN END, DOUBLE HEAD, 30 DEG., &amp; 60 DEG. ANGLE HEADS, 7/16" OPENINGS.,            Description: FED. SPEC. GGG-W-636 LATEST, TYPE XVI,, STYLE 2,, SPEC. NO: 4367/6071, PCK.            INFO: BOX 10 PC</p>						
107	1731751	PC	FARMVITO MATCO SNAPONTO	3713 MOEA18 VS-18		
<p>WRENCH: OPEN END, TYPE XVI, DOUBLE HEAD,, STYLE 1 OR 2, 15 OR 30 &amp; 60 DEGREE            Description: ANGLE, HEADS, 9/16" OPENINGS., FED. SPEC. GGG-W-636 LATEST HEAD DEPTH, 1/4" WIDTH            1-3/32" OVERALL LENGTH, 6-1/2", SPEC. NO: 4367/6071, PCK. INFO: BX 12 PC</p>						
108	1731750	PC	MATCO SNAPONTO FARMVITO	MOEA20 VS-20 3714		
<p>WRENCH: OPEN END, DOUBLE HEAD, TYPE, XVI, STYLE 1 OR 2, 15 OR 30 &amp; 60 DEG., ANGLE            Description: HEADS, 5/8" OPENINGS., FED. SPEC. GGG-W-636 LATEST,, SPEC. NO: 4367/6071,            PCK. INFO: BX 10 PC</p>						
109	1739421	PC	SNAPONTO	VS-22		
<p>WRENCH: OPEN END, DOUBLE HEAD, 30 DEG., &amp; 60 DEG. ANGLE HEADS, 11/16" OPENINGS.,            Description: FED. SPEC. GGG-W-636 LATEST TYPE XVI,, STYLE 2,, SPEC. NO: 4367/6071, PCK.            INFO: BOX 10 PC</p>						
110	1739422	PC	SNAPONTO	VS-24		
<p>WRENCH: OPEN END, DOUBLE HEAD 30 &amp; 60, DEGREE ANGLE HEADS, 3/4" OPENING., FED.            Description: SPEC. GGG-W-636 LATEST TYPE SVI,, STYLE 2,, SPEC. NO: 4367/6071, PCK. INFO:            BOX 10 PC</p>						

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
111	1720082	PC	CRAFTSMA SNAPON	42090 RXFS810 B		
<p>WRENCH: FLARE NUT, DOUBLE END, 1/4 X 5/16" 6 PT, (1739423 MADE OBSOLETE BY S. Description: MCALLEESE. NEED TO , FIRST ISSUE FOR SPEC. 6071-07), F.I. 10/23/07</p>						
112	1720081	PC	SNAPON	RXFS1214 B		
<p>WRENCH: FLARE NUT, DOUBLE END, 3/8 X 7/16" 6 PT, (1739424 MADE OBSOLETE BY S. Description: MCALLEESE, OLD DESC. NO LONGER, AVAILABLE. NEED TO FIRST ISSUE FOR SPEC. 6071-07), F.I. 10/23/07</p>						
113	1731367	PC	PROTOTOO MATCO INDESTRO SNAPONTO CRAFTSMA ARMSTRON WILMS.JH CORNWELL CHALGER	3768 WF16186 369 RXFS1618A 9RY44171 28-135 XFN-1618 BWF1618 7068		
<p>WRENCH: DOUBLE END, 1/2" &amp; 9/16" FLARE, NUT. APPROX. 7-1/2" LONG. 6 POINT, Description: HEADS OFFSET AT 15 DEGREE., SPEC. NO: 4392/6071, PCK. INFO: BX 6 PC</p>						
114	1739425	PC	WILMS.JH SNAPONTO CRAFTSMA ARMSBROS MATCO PROTOTOO	XFN 2022 RXFSK2022A 9RY44173 28-140 WF20226 3772		
<p>WRENCH: FLARE NUT, 6 PT DOUBLE END., 5/8" AND 11/16", HEADS ARE OFFSET AT 15, Description: DR3. THAT IS HANDLE INCLINED AT 15 DEG., WHEN WRENCH LAID FLAT ON EITHER END., SPEC. NO: 4367/6071, PCK. INFO: BOX 10 PC</p>						
115	1739426	PC	MATCO SNAPONTO	WF24266 RXFS2426A		
<p>WRENCH: FLARE NUT, DOUBLE END, 3/4", AND 13/16", 6 PT., SPEC. NO: 4367/6071, Description: PCK. INFO: BOX 10 PC</p>						

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
116	1731611	PC	SNAFONTO MARTIN	RX-28 BLK4128		
			WRENCH: FLARE NUT, SINGLE END, 7/8", OPENING, 12 PT., FED. SPEC. GGG-W-636 Description: LATEST, TYPE XIV, SPEC. NO: 4367/6071, PK. INFO: BX 6 PC			
117	1731612	PC	MARTIN SNAFONTO	BLK4130 RX-30		
			WRENCH: FLARE NUT, SINGLE END, 12 PT., 15/16" OPENING., FED. SPEC. GGG-W-636 Description: LATEST TYPE XIV., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC			
118	1731613	PC	MARTIN SNAFONTO	BLK4132 RX-32		
			WRENCH: FLARE NUT, SINGLE END, 12 PT., 1" OPENING., FED. SPEC. GGG-W-636, Description: SPEC. NO: 4367/6071, PK. INFO: BX 6 PC			
119	1731349	PC	MATCO SNAFONTO ARMSTRON WILMS, JH PROTOTOO CORNWELL	WED1820 XS-1820 26-579 6727 1130 BW-1820S		
			WRENCH: BOX, 9/16" X 5/8", 12 PT., DOUBLE HEAD, 15 DEG. OFFSET EACH END., SHORT Description: LENGTH, (MIN. 5-1/4", MAX. 6-1/4"), FED. SPEC. GGG-W-636 LATEST, TYPE I., CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC			
120	1732056	PC	SNAFONTO PROTOTOO ARMSBROS WILMS, JH	S-77 5447 12-944 S-55A		
			ADAPTER: RATCHET, HAND, REVERSIBLE., 1/2" SQ. DR. FED. SPEC. GGG-W-641D., TYPE Description: IV, CLASS 5 ADAPTER, STYLE B, SOCKET WRENCH SOCKET., SPEC. NO: 3991/6071, PK. INFO: BX 6 PC			
121	1750130	PC	WISEGRIP	14T		
			Description: GRIP: VISE, NEEDLE NOSE, F.I. 02/05/07, SPEC. NO: 6071			

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
122	1728813	PC	WISEGRIP	18R	
	Description: VISE GRIP: LOCKING "C" CLAMP, 10", THROAT VISE GRIP MODEL 18R., PK. INFO: PC 1				
123	1720076	PC	SNAPON	208APIT	
	Description: TOOL: IMPACT, HAND, F.I. 03/21/07, SPEC. NO: 6071				
124	3140041	PC	POWERFIR	1FD55	
	Description: CORD: ELECTRICAL EXTENSION, 50 FT., INDOOR/OUTDOOR, 24 AMPS,, UL LISTED, F.I. 02/05/07, SPEC. NO: 6071,				
125	1745369	PC	ATKINS TELTEMP	DPS300-0-8 PT-300F	
	Description: THERMOMETER: POCKET, DIGITAL LCD, READOUT SWIVEL HEAD, -50F TO 300F AND 1#, ACCURACY, COMES WITH PROTECTIVE SHEATH, WITH POCKET CLIP., PK. INFO: PC 1 PC				
126	1728803	PC	STANLYTO	10-099	
	Description: KNIFE: UTILITY, DIE CAST ZINC, RETRACTABLE BLADE, FOUR POSITION SLIDER, BLADES, STORE IN HANDLE, OVERALL LENGTH 6", PK. INFO: PC 1 PC				
127	1728810	PK	STANLYTO MAYFAIR UTICAFOR	11-921A SMITH BRAND 99B	
	Description: BLADE: KNIFE FOR STANLEY #99, UTILITY, PK. INFO: PKG 100 PC				
128	1730919	PC	APEXWACH WILMS,JH	821 MP-1	
	Description: BIT: SCREWDRIIVER, HAND, NO. 1 PHILLIPS, BIT, 1/4" SQUARE DRIVE SOCKET, APPROX. 2" LONG. FED. SPEC. GOG-W-641D, TYPE, IV, CLASS 6, STYLE A, FORM 2,, SPEC. NO: 3991, PK. INFO: PC 1 PC				



SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
129	1730920	PC	WILMS JH APEXWACH	MP-2 822		
BIT: SCREWDRIVER HAND, NO. 2 PHILLIPS, BIT, 1/4" SQUARE DRIVE SOCKET, APPROX. 2" Description: LONG. FED. SPEC. GGG-W-641D., TYPE IV, CLASS 6, STYLE A, FORM 2., SPEC. NO: 3991, PCK. INFO: PC 1 PC						
130	1732792	PC	MOMASTER ALLEN, LB	7122A39 76003		
Description: BIT: 1/16" STRAIGHT HEX, 3" LONG., UOP: PC 1PC						
131	1732793	PC	ALLEN, LB ALLEN, LB	57918 80003		
Description: BIT: 3/32" STRAIGHT HEX 6" LONG. UOP: PC 1PC REVISED: 2/1/11						
132	1732794	PC	ALLEN, LB	80009		
Description: BIT: 7/64" STRAIGHT HEX, 5" LONG., UOP: PC 1PC						
133	1732795	PC	ALLEN, LB	80027		
Description: BIT: 5/32" STRAIGHT HEX, 5" LONG., UOP: PC 1PC						
134	1732796	PC	ALLEN, LB	80015		
Description: BIT: 1/8" STRAIGHT HEX, 5" LONG., UOP: PC 1PC						
135	1732797	PC	HOLOKROM ALLEN, LB	57944 57207		
Description: BIT: 3/16" STRAIGHT HEX, 4" LONG., UOP: PC 1PC						
136	1740925	PC	WELLER	8200PK		
GUN: SOLDERING, ELECTRIC, THREE HEAT, CAPACITIES (TIPS) 100 W, 200 W AND, 350 W, 120 VOLTS A.C. 50/60 CYCLE., HEATING TIME APPROX. 4 SECONDS WITH, BUILT-IN Description: SPOTLIGHT TRIGGER CONTROL, HANDLE GRIP HI-IMPACT HOUSINGS., WITH CORD AND PLUG, UL APPROVED., SPEC. # 6071, PCK. INFO: PC 1 PC						

## **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
137	1746250	SE	SNAPONTO SKHANDUTO	PR50A 7644		
KIT: SNAP RING PLIERS, INCLUDES 1, INTERNAL & 1 EXTERNAL PLIERS PLUS 4, PAIRS OF Description: INTERCHANGEABLE TIPS, FED. SPEC. GGG-P-480, ORDER ON LETTER ONLY, PCK. INFO: SET 1 SET						
138	1720078	PC	SNAPON	PDR000A		
Description: DRILL: AIR, 3/8" REVERSIBLE F.I. 03/20/07						
139	1759446	PC	INERSIRA	2135 PTI		
WRENCH: IMPACT, 1/2" SQUARE DRIVE, PISTOL GRIP HANDLE, 9500 RPM, 700 FT., POUNDS Description: MAXIMUM TORQUE, WITH PIN TYPE SOCKET RETAINER, DO NOT SUBSTITUTE, ISSUE ONLY ON SIGNATURE OF REQUESTING AREA MANAGER, PCK. INFO: PC 1 PC						
140	1923025	PC				
HOSE: AIR, BRAIDED, 1/4" ID, 25' LENGTHS, WITH TWO BRASS 1/4" MALE LONG SHANK, Description: SWAGED-ON COUPLINGS MINIMUM WORKING, PRESSURE 250 P.S.I., SPEC. NO: 2467, PCK. INFO: PC 25 FT						
141	1750132	PC	SEARSIND	904098000		
Description: MIRROR: HINGED POCKET, F.I. 02/05/07, SPEC. NO: 6071						
142	1748612	PC	INDESTRO SNAPONTO ULAN	2554 PT-28E 1		
Description: PICK-UP: TOOL, MAGNETIC, PCK. INFO: PC 1 PC						
143	1741001	PC	SAFTLITE SHOPSOOR	2113-0105 14125S		
LIGHT: EXTENSION, FLOURESCENT, SAFETY, "STUBBY TYPE", 1" (FT) CORD, USE Description: REPLACEMENT LAMP #3116008, SPEC. NO: 3416-00, PCK. INFO: CT 12 PC						

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B10OP01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
144	1741396	PC	LUFKINTO	W9210		
			TAPE: MEASURING, MANUALLY OPERATED, 1/2" WIDE, 10' LONG, BUTT END CASE, FED. Description: SPEC. GGG-R-791D, AMEND. 6, TYPE V, CLASS 1., PCK. INFO: BX 6 PC			
145	1740019	PC	MONASTER	2108A45		
			Description: SQUARE: COMBINATION, 12", F.I. 03/02/07, SPEC. NO: 6071			
146	1729339	PR	WISSMEG	438-SCISSOR		
			SCISSORS: STRAIGHT TRIMMERS, SOLID, STEEL, 8" LONG, SPEC. GGG-S-101-B,, TYPE 1, Description: CLASS B, GRADE 2., PCK. INFO: BOX 3 PR			
147	1720008	PC	SKFDORME	102		
			OMARK	10502		
			DURKAT	1150 1/8		
			PRECSDNR	R-10-1/8		
			NATLTWIS	12308		
			REPLDRI	SA 0018		
			DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED, JOBBERS LENGTH, 1/8" DIAM., OVERALL Description: LENGTH 2-3/4", SPEC. NO: 4081, PCK. INFO: PK 12 PC			
148	1720012	PC	DURKUT	1150 3/16		
			NATLTWIS	12312		
			PRECSDNR	R10-3/16		
			REPLDRI	SA 0316		
			DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED, JOBBERS LENGTH, DIA. 3/16" OVERALL Description: LENGTH 3-1/2", SPEC. NO: 4081, PCK. INFO: PKG 12 PC			
149	1720114	PC	PRECSDNR	R51		
			NATLTWIS	11516		
			REPLDRI	320-1/4		
			DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED, LONG SET, DIAM. 1/4" OVERALL, LENGTH Description: 6-1/8", SPEC. NO: 4081, PCK. INFO: PK 12 PC			

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
150	1720020	PC	PRECSNDR NATLTWIS REPLDRI	R-10-5/16 12320 SA 0516		
DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED, JOBBERS LENGTH DIA. 5/16" OVERALL Description: LENGTH 4-1/2", SPEC. NO: 4081, PCK. INFO: PK 12 PC						
151	1720024	PC	REPLDRI NATLTWIS	SA 0038 12324		
DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED, JOBBERS LENGTH DIA., 3/8", OVERALL Description: LENGTH, 5", SPEC. NO: 4081, PCK. INFO: PK 6 PC						
152	1720028	PC	NATLTWIS REPLDRI PRECSNDR	12328 SA 0716 R-10-7/16		
DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED JOBBERS LENGTH DIA. 7/16", OVERALL Description: LENGTH 5-1/2", SPEC. NO: 4081, PCK. INFO: PK 6 PC						
153	1720032	PC	REPLDRI NATLTWIS	SA 0012 12332-1/2		
DRILL: TWIST, STRAIGHT SHANK, HIGH SPEED JOBBERS LENGTH DIAMETER 1/2" OVERALL Description: LENGTH 6", SPEC. NO: 4081, PCK. INFO: PK 6 PC						
154	3154009	PC	FLUKE	177		
METER: DIGITAL, AUTORANGING CONTINUITY BEEPER, RANGE HOLD, SINGLE ROTARY, SWITCH, ANALOG BARGRAPH WITH BATTERY AND TEST LEAD, AND BACKLIGHT FEATURE, DO NOT SUBSTITUTE., SPEC. NO: 6174, PCK. INFO: PC 1 PC						
155	1720077	PC	WIHATOOL	WILA 71056		
BIT: HEX DRIVE, SIX ASSORTED STD. PLJIS, PHILLIPS., F.I. 03/20/07, SPEC. NO: Description: 6071						
156	1730049	PC	SNAPON	YA425B		
RAIL: MOVEABLE, PEG SOCKET, FOR 1/4" DR., SQ., WITH 20 PEGS., F.I. 02/05/07, Description: SPEC. NO: 6071						

SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
157	1730048	PC	SNAPON	YA438B		
	Description: RAIL: MOVEABLE PEG SOCKET, FOR 3/8" SQ. DR., WITH, 18 PGS., F.I. 02/05/07, SPEC. NO: 6071					
158	1730104	PC	SNAPON	YA450B		
	Description: RAIL: MOVEABLE PEG SOCKET, FOR 1/2" SQ. DR. SOCKETS, WITH 14 PGS., F.I. SPEC. NO: 6071					
159	1742512	PC	THOMSBET	18-825		
			STA-KON	WT2000		
			AMPINDST	696126-1		
			3-M	TH-440		
	Description: CRIMPER: CLOSED BARREL ELECTRICAL, TERMINAL (22-10 AWG), COMBINATION WIRE, STRIPPER, CUTTER AND CRIMPER WITH, INSULATED HANDLES., SPEC. NO: REV. NO: DATE: DRAW. NO: PAT. NO: PRV. ITEMID: PCK. INFO: PC 1 PC					
160	1742927	PR	FIBRENET	V04H3		
			GLNDLOFT	GM4-HT3		
			OKWLDGEN	24		
			GATEWAY	1675V40		
			WILLSON	CW-70-4		
	Description: GOGGLES: WELDERS, FOR WEARING OVER SPECTACLES WITH BRACE BAR AND LEATHER NOSE INFO: PR 1 PR					
161	1952703	PR	MAGID	T2800		
			LIBERTY	E7270		
			SAFTGARD	1800/032191		
	Description: GLOVE: LEATHER, WELDERS, HEAVY DUTY, SIZE 11-1/2 TO 12 MIN., OVERALL LENGTH, 13-1/2" CLUTE PATTERN WITH FOURCHETTES, WING THUMB, ALL INSEAMS, MAJOR SEAMS WELTED, SEAMLESS COMHIDE BACK, ONE PIECE HIDE PALM, WOOL LINING ON BACK, OF HAND. PACKAGE MUST BEAR SUPPLIERS NAME, SPEC. NO: 9134, PCK. INFO: CT 12 PR					

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
162	1741525	PC	IDEALIND	61-080		
	TESTER: VOLTAGE INDICATING, PORTABLE 110 TO 600 VAC AND DC FOR INTERMITTENT, APPLICATION, WITH A LOW VOLTAGE INDICATOR (5 VOLTS AC OR DC), RESISTOR, FUSE Description: PRODS, ANDBUILT-IN CONTINUITY TESTER, IDEAL INDUSTRIES, MODEL 61-080 ONLY., SPEC. NO: 1889, PK. INFO: PC 1 PC					
163	1743102	PC	GCFULLER TURNERY-SEYM	732X 701		
	FLINT: REPLACEMENT, SINGLE ELEMENT, FOR PISTOL TYPE LIGHTER, USE WITH CTA Description: #1741725, PK. INFO: PAK 10 PC, SPEC. NO: 3455					
164	1750131	PC	SEARSIND	00965590000		
	CABINET: ROLLER, 9 DRAWER MOBILE TOOL CABINET, 40" WIDE WITH 48" WIDE Description: HARDBOARD WORK SURFACE AND, HEAVY DUTY CASTERS, TWO OF WHICH ARE SWIVEL TYPE., F.I. 02/05/07,					
165	1746005	SE	SNAPONTO	115TMM		
	SOCKET: METRIC TOOL SET, 1/4" DRIVE, 6-POINT, 4 TO 16MM, SHALLOW, 15 PC. ON Description: A270 RAIL & CLIPS. SPEC. 3991/6071 F.I.11-8-02					
166	1730047	PC	SNAPON	212 FSNY		
	SOCKET: HAND METRIC TOOL SET, 3/8" DR., SINGLE HEX, CHROME ON A269 RAILS & CLIPS. Description: (TO REPLACE INDIVIDUAL, DOUBLE HEX SOCKETS IN BUS REPAIRMEN'S TOOL KIT), F.I. 02/05/07, SPEC. NO: 6071					
167	1730046	PC	SNAPON	313TMMYA		
	SOCKET: HAND, METRIC TOOL SET - 1/2" DR. SINGLE HEX, CHROME ON A270 RAILS & Description: CLIPS. (TO REPLACE INDIVIDUAL, DOUBLE HEX IN REPAIRMEN'S TOOL KIT), F.I. 02/05/07, SPEC. NO: 6071					

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
168	1739442	PC	SNAPONTO WILMS,JH CHALLENG CRAFTSMA	OEXM-6 XOEMS-6 6106M 9RY42909		
<p>WRENCH: COMBINATION, 12 PT., 6MM SIZE., OPEN END AND BOX END, SHORT LENGTH, Description: (114MM APPROX.), SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
169	1739443	PC	CRAFTSMA WILMS,JH CHALLENG SNAPONTO PROTOTOO	9RY42911 XOEM-7 6107M OEXM-7 1207M		
<p>WRENCH: COMBINATION, 7MM SIZE OPEN END, AND 12 PT. BOX END, SHORT LENGTH., (120MM Description: APPROX.) BOX END INCLINED AT, 15 DEG. AND OPEN END OFFSET AT 15 DEG., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
170	1739444	PC	WILMS,JH SNAPONTO CHALGR CRAFTSMA PROTOTOO	XOEMS-8 BOM8 6108M 9RY42912 1208M		
<p>WRENCH: COMBINATION, 8MM SIZE, OPEN, END AND 12 PT. BOX END, SHORT LENGTH., Description: (130MM APPROX.) 15 DEG. OFFSET., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
171	1739445	PC	CRAFTSMA INDESTRO SNAPONTO WILMS,JH ARMSBROS PROTOTOO CHALGR	942913 44009 BOM9 XOEMS-9 52-109 1209M 6109M		
<p>WRENCH: COMBINATION, 9MM SIZE, OPEN, END AND 12 PT. BOX END, SHORT LENGTH., Description: (130MM APPROX.) 15 DEG. OFFSET, SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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172	1739446	PC	PROTOTOO	1210M		
			INDESTRO	44010		
			SNAPONTO	BOM-10		
			CRAFTSMA	942914		
			CHALGR	6110M		

WRENCH: COMBINATION, 10MM SIZE OPEN, END AND 12 PT. BOX END, SHORT LENGTH, (160MM Description: APPROX.) BOTH ENDS ANGLED AT, 15 DEG. FROM HANDLE., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

173	1739447	PC	SNAPONTO	OEXM 120B		
			INDESTRO	44D12		
			CRAFTSMA	9RY42916		
			PROTOTOO	1212M		
			WILMS,JH	XOEM-12		
			CHALGR	6112M		

WRENCH: COMBINATION, CHROME 12MM SIZE, OPEN END AND 12 POINT. BOX END, LONG, Description: LENGTH (187MM APPROX.), SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

174	1739448	PC	PROTOTOO	1213M		
			CRAFTSMA	9-42917		
			INDESTRO	44013		
			SNAPONTO	OEXM13		
			WILMS,JH	OEXM-13		
			CHALGR	6113M		

WRENCH: COMBINATION, CHROME 13MM SIZE, OPEN END AND 12 PT. BOX END, LONG, LENGTH Description: (150MM APPROX.), SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

175	1739449	PC	PROTOTOO	1214M		
			CRAFTSMA	9RY42918		
			WILMS,JH	XOEM 14		
			SNAPONTO	BOM-14		
			STANLYTO	86-859T		
			CHALGR	6114M		
			INDESTRO	44014		

WRENCH: COMBINATION, CHROME 14MM SIZE, OPEN END AND 12 PT. BOX END, LONG LENGTH, Description: (168MM APPROX.) BOTH ENDS SET AT 15 DEG., ANGLE., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC



**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

**CONTRACT NO. B10OP01570**

ATTACHMENT A  
CTA LOT# 1731813  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET

Line No.	Item No.	UDM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
176	1739450	PC	WRIGHTTO SNAPONTO INDESTRO CRAFTSMA CHALGR PROTOTOO	11-15 BOM-15 44015 9RY42919 6115M 1215M		
<p>WRENCH: COMBINATION, 15MM SIZE OPEN, END AND 12 PT. BOX END, LONG LENGTH, (178MM)            Description: APPROX.) BOTH ENDS SET AT 15 DEG. ANGLE., SPEC. NO: 4367/6071, PCK. INFO:            PC 1 PC</p>						
177	1739452	PC	CRAFTSMA INDESTRO CHALGR SNAPONTO STANLYTO PROTOTOO WILMS,JH	942929 44017 6117M BOM-17 86-862 1217M OEXM-17		
<p>WRENCH: COMBINATION, 17MM SIZE OPEN, END AND 12 PT. BOX END, LONG LENGTH, (197MM)            Description: APPROX.) BOTH ENDS SET AT 15 DEG. ANGLE., SPEC. NO: 4367/6071, PCK. INFO:            PC 1 PC</p>						
178	1739454	PC	INDESTRO SNAPONTO PROTOTOO CHALGR CRAFTSMA	44019 OEXM-190B 1219M 6119M 9-42921		
<p>WRENCH: COMBINATION, 19MM SIZE OPEN END, AND 12 PT. BOX END, LONG LENGTH (253MM,            Description: APPROX.) BOTH ENDS SET AT 15 DEG. ANGLE., SPEC. NO: 4367/6071, PCK. INFO: PC            1 PC</p>						
179	1739457	PC	PROTOTOO INDESTRO CRAFTSMA CHALGR SNAPONTO	1222M 44022 942922 6122M OEXM-220		
<p>WRENCH: COMBINATION, 22MM SIZE OPEN END, AND 12 PT. BOX END, LONG LENGTH (307MM,            Description: APPROX.) BOTH ENDS SET AT 15 DEG. ANGLE., SPEC. NO: 4367/6071, PCK. INFO: PC            1 PC</p>						



SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

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ATTACHMENT A  
CTA LOT# 1731813  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET

Line No.	Item No.	UoM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
184	1739464	PC	SNAPONTO ARMSBROS	OXIM-5 52-105		
<p>WRENCH: COMBINATION, MIDGET 5MM SIZE., OPEN END AND HEXAGON BOX END. BOTH, ENDS Description: SET AT 15 DEG. ANGLE., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC</p>						
185	1739465	PC	ARMSBROS SNAPONTO	52-183 OXIM-5.5		
<p>WRENCH: COMBINATION, MIDGET 5.5MM SIZE., OPEN END AND HEXAGON BOX END., SPEC. Description: NO: 4367/6071, PK. INFO: PC 1 PC</p>						
186	1739466	SE	ALLEN SNAPONTO PROTOTOO	580-14PC ANM140CK 4988M		
<p>WRENCH: SET, HEXAGON, METRIC L SHAPE, SET SIZES - 2, 2.5, 3, 4, 5, 6, 7, 8,, 9, 10, 12, 14, 17, 19 MM. SETS - CAN, BE MADE UP OF COMBINING PROTO 4976A, AND KER Description: LAKESIDE METRIC HEX KEYS OR, SNAP ON ANM-14DC-K, ANSI/ASME B18.3.2M-79, SPEC. NO: 6071, PK. INFO: SE 14 PC</p>						
187	1739429	PC	SNAPONTO ARMSBROS	XSN67S 54-016		
<p>WRENCH: BOX, 45 DEG., 6MM AND 7MM, LONG, LENGTH (97MM APPROX.) OFFSET EACH END, 6 Description: POINT., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC</p>						
188	1739430	PC	ARMSBROS	54-322		
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 8MM, AND 5MM, HEADS OFFSET, EACH END., APPROX. Description: LENGTH 191MM., SPEC. NO: 4367, PK. INFO: PC 1 PC</p>						
189	1739431	PC	PROTOTOO SNAPONTO	8103M XEM-1011		
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 10MM, &amp; 11MM LONG LENGTH, (APPROX. 195MM),, Description: HEADS OFFSET AT 10 DEG. TO HANDLE., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC</p>						

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

ATTACHMENT A  
CTA LOT# 1731813  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
190	1739432	PC	SNAPONTO WILMS, JH ARMSTRON	XBM-1214 BMM-1214 54-355		
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 12MM &amp; 14MM, LONG LENGTH, (APPROX., 219MM), Description: HEADS OFFSET., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
191	1739433	PC	MAYFAIR WILMS, JH ARMSTRON SNAPONTO	54-361 BMM-1315 54-361 XBM-1315		
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 13MM, &amp; 15MM, LONG LENGTH (APPROX. 229MM), Description: HEADS OFFSET., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
192	1739435	PC	WILMS, JH SNAPONTO ARMSTRON	BMM-1719 XBM-1719 54-391		
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 17MM, &amp; 19MM, LONG LENGTH (APPROX. 266MM), Description: HEADS OFFSET., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
193	1739436	PC				
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 20MM, &amp; 22MM, DEEP OFFSET LONG LENGTH (APPROX., Description: 310MM), SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						
194	1739438	PC	PROTOFO	8129M		
<p>WRENCH: DOUBLE BOX END, 22MM &amp; 24MM LONG, LENGTH, 12 PT., (342MM APPROX.), ENDS Description: OFFSET, SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						
195	1739440	PC	SNAPONTO	XBM2730A		
<p>WRENCH: DOUBLE BOX HEAD, 12 PT., 27MM, &amp; 30MM LONG LENGTH, (395MM APPROX.), Description: HEADS OFFSET., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC</p>						

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813

Line No.	Item No.	DOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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196	1739441	PC	WILMS, JH SNAPONTO PROTOTOO	BWM-3032 XEM-3032 1133M		
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Description: DOUBLE BOX HEAD, 12 FT., 30MM, & 32MM, LONG LENGTH, (427MM APPROX.),  
Description: HEAD OFFSET., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

197	1730113	PC	SNAPONTO CORNWELL SEARSROB MATCO WILMS, JH CRAFTSMA PROTOTOO ARMSTRON CHALGR INDESTRO	TW121 T-3212 RY 44053 CL26 ST-612 RY44053 5412H 12-012 1612H 1212-H		
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SOCKET: HAND, 3/8", 6 PT., 1/2", SQUARE DRIVE, LENGTH APPROX. 1-1/2", FED. SPEC.  
Description: GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PK.  
INFO: PC 1 PC

198	1730114	PC	ARMSTRON CHALLENG PROTOTOO INDESTRO MATCO SNAPONTO CRAFTSMA WILMS, JH CORNWELL	12-014 1614H 5414H 1214-H CL46 TW141 9RY44054 ST-614 T-3214		
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SOCKET: HAND, 7/16", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH 1-1/2", APPROX.  
Description: FED. SPEC. GGG-W-641 LATEST., TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071,  
PK. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

ATTACHMENT A  
CTA LOT# 1731813  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET

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**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

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**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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202	1730120	PC	ARMSTRON	12-022		
			WILMS,JH	ST-622		
			CORNWELL	T-3222		
			CRAFTSMA	9RY44058		
			PROTOTOO	5422H		
			INDESTRO	1222H		
			CHALGER	1622H		
			SNAPONTO	TW221		
			MATCO	C226		

SOCKET: HAND, 11/16", 6 PT., REGULAR, LENGTH, 1/2" SQUARE DRIVE., FED. SPEC. QGG-  
 Description: W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO:  
 PC 1 PC

203	1730115	PC	SNAPONTO	TW241		
			INDESTRO	1224-H		
			MATCO	C246		
			PROTOTOO	5424H		
			CORNWELL	T-3224		
			CRAFTSMA	9RY44059		
			ARMSTRON	12-024		
			WILMS,JH	ST-624		
			CHALGER	1624H		

SOCKET: HAND, 3/4" 6 PT., 1/2" SQUARE, DRIVE, REGULAR LENGTH, 1-1/2" APPROX.,  
 Description: FED. SPEC. QGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991,  
 PCK. INFO: PC 1 PC

204	1730116	PC	ARMSTRON	12-026		
			PROTOTOO	5426H		
			CRAFTSMA	9RY44063		
			CORNWELL	T-3226		
			MATCO	C266		
			INDESTRO	1226H		
			WILMS,JH	ST-626		
			SNAPONTO	TW261		
			CHALLENG	1626H		

SOCKET: HAND, 13/16", 6 PT., 1/2" SQUARE DRIVE, REGULAR LENGTH., FED. SPEC. QGG-  
 Description: W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO:  
 PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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205	1730118	PC	CHALLENGE	1628H		
			SNAPONTO	TW281		
			INDESTRO	1228H		
			MATCO	C286		
			ARMSTRON	12-028		
			CRAFTSMA	9RY44064		
			WILMS,JH	ST-628		
			PROTOTOO	5428H		
			CORNWELL	T-3228		

SOCKET: HAND, 7/8", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH., FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS I, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC

206	1730110	PC	PROTOTOO	5430H		
			INDESTRO	1230-H		
			CHALGR	1630 H		
			SNAPONTO	TW301		
			CRAFTSMA	9RY44065		
			MATCO	C306		
			ARMSTRON	12-030		
			CORNWELL	T-3230		
			WILMS,JH	ST-630		

SOCKET: HAND, 15/16", 6 PT., STANDARD, LENGTH, 1-1/2" APPROX., 1/2" SQUARE, DRIVE. FED SPEC. GGG-W-641 LATEST., TYPE II, CLASS I, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

207	1730119	PC	PROTOTOO	5432H		
			INDESTRO	1232-H		
			WILMS,JH	ST-632		
			CORNWELL	T-3232		
			CRAFTSMA	9RY44066		
			SNAPONTO	TW321		
			MATCO	C326		
			ARMSTRON	12-032		
			CHALGR	1632 H		

SOCKET: HAND, 1", 6 PT., 1/2" SQUARE, DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS I, STYLE A., SPEC. NO: 3991, PCK. INFO: PC 1 PC



**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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208	1730121	PC	SNAFONTO	TW341		
			CORNWELL	T-3234		
			PROTOTO	5434H		
			MATCO	C346		
			CRAFTSMA	9RY44067		
			WILMS,JH	ST-634		
			INDESTRO	1234-H		
			ARMSTRON	12-034		

SOCKET: HAND, 1-1/16", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-  
 Description: W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO:  
 PC 1 PC

209	1730122	PC	INDESTRO	1236H		
			CORNWELL	T-3236		
			WILMS,JH	ST-636		
			SNAFONTO	TW361		
			CRAFTSMA	9RY44068		
			PROTOTO	5436H		
			MATCO	C366		
			ARMSTRON	12-036		

SOCKET: HAND, 1-1/8", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH, SPEC. NO:  
 Description: 3991, PCK. INFO: BX 6 PC

210	1738002	PC	CORNWELL	T-3240		
			SNAFONTO	UH401		
			MATCO	C406		
			ARMSTRON	12-040		
			PROTOTO	5440H		
			INDESTRO	1240H		
			WILLIAMST	ST-640		
			CRAFTSMA	9RY44069		

SOCKET: HAND, 1-1/4" 6 PT, STANDARD 1/2" SQUARE DRIVE, CHROME, FED. SPEC. GGG-  
 Description: W-641 LATEST, TYPE II., CLASS 2., STYLE A, EXCEPT SINGLE HEXAGON., SPEC. NO:  
 3991/6071, PCK. INFO: BX 6 PC

**CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

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ATTACHMENT A  
CTA LOT# 1731813  
BUS MECHANICS AND/OR TECHNICIANS TOOL SET

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No.	Offered
211	1735250	PC	CRAFTSMA WRIGHTTO MATCO SNAPONTO XELITE	9RY41971 9222 ND-8 ND108 8			
DRIVER: NUT, HAND TYPE, 1/4" HEXAGON, SOCKET, SCREWDRIER GRIP, REF: FED. SPEC. Description: GGG-W-657 LATEST, TYPE 1, OR AIAI/ASME B107.12 LATEST, SPEC. NO: 4330, PCK. INFO: PC 1 PC							
212	1735251	PC	MATCO INDESTRO XELITE SNAPONTO WRIGHTTO CRAFTSMA	ND-10 75 10 ND-110 9224 9RY41972			
DRIVER: NUT, 5/16" HEXAGON SOCKET,, SCREWDRIER GRIP, FED. SPEC. GGG-W-657 Description: LATEST, TYPE 1, SPEC. NO: 4330, PCK. INFO: PC 1 PC							
213	1735252	PC	INDESTRO SNAPONTO WRIGHTTO XELITE CRAFTSMA SEARSIND MATCO	76 ND-111 9225 11 9-41973 41973 MD-11			
DRIVER: NUT, 11/32" HEXAGON SOCKET,, SCREWDRIER GRIP, FED. SPEC. GGG-W-657, Description: LATEST, TYPE 1, OR AISI/ASME B107.12, LATEST., SPEC. NO: 4330/6071, PCK. INFO: PC 1 PC							
214	1735253	PC	CRAFTSMA SNAPONTO WRIGHTTO MATCO INDESTRO XELITE	9-41974 ND-112 9266 ND-12 77 12			
DRIVER: NUT, 3/8" HEXAGON SOCKET,, SCREWDRIER GRIP,, FED. SPEC. GGG-W-657 Description: LATEST, TYPE 1,, OR AISI/ASME B107.12 LATEST., SPEC. NO: 4330/6071, PCK. INFO: PC 1 PC							

# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

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## ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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215	1735254	PC	CRAFTSMA MATCO WRIGHTTO INDESTRO XELITE SNAPONTO	8RY41975 ND-14 9227 78 14 ND-114		
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DRIVER: NUT, 7/16" HEXAGON SOCKET,, SCREWDRIIVER GRIP, FED. SPEC. GGG-W-657  
 Description: LATEST, TYPE 1,, OR AISI/ASME B107.12 LATEST, SPEC. NO: 4330, PCK. INFO: PC  
 1 PC

216	1735255	PC	ROOTBROS XELITE INDSTO MATCO WRIGHTTO SNAPONTO CRAFTSMA	0051016 16 79 ND-16 9228 ND-116 8RY41976		
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DRIVER: NUT, HAND TYPE, 1/2" HEXAGON, SOCKET, SCREWDRIIVER GRIP, FED. SPEC., GGG-  
 Description: W-657 LATEST, TYPE 1, OR AISI/ASME, B107.12 LATEST., SPEC. NO: 4330/6071,  
 PCK. INFO: PC 1 PC

217	1731050	PC	KALITOOLS PROTOTOO WILMS, JH CHALGR SNAPONTO	2517 1122L-12 7723-12 6414 XDH-1214		
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WRENCH: BOX, DOUBLE HEAD, 15 DEGREE, OFFSET, EACH END REGULAR LENGTH,, 3/8" X  
 Description: 7/16", 12 POINTS., FED SPEC. GGG-W-636 LATEST TYPE 1., CLASS 1, STYLE 1.,  
 SPEC. NO: 4367, PCK. INFO: PC 1 PC

## **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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**ATTACHMENT A**  
**CTA LOT# 1731813**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
218	1731111	PC	CORNWELL	BW-1618		
			WILMS,JH	7725B		
			CHALGR	6418		
			ARMSTRON	26-667		
			SNAPONTO	XB1618A		
			MATCO	WEDL1618		
			KALTOOLS	2223		
<p>WRENCH: BOX, DOUBLE HEAD, 1/2" X 9/16", 12 POINT, DOUBLE OFFSET EACH END, REG.,            Description: ULAR LENGTH, 8-1/2" MIN., 10 DEGREE, OFFSET., SPEC. NO: 4367, PCK. INFO: BX            6 PC</p>						
219	1731113	PC	SNAPONTO	XB2022A		
			ARMSTRON	26-694		
			CORNWELL	BW-2022		
			MATCO	WEDL2022		
			CHALLENG	6422		
			KALTOOLS	2231		
			WILLIAMS	7727A		
<p>WRENCH: BOX, DOUBLE HEAD, 5/8" X 11/16", 12 POINT, 10 DEG., DOUBLE OFFSET EACH,            Description: END, REGULAR LENGTH, 9-3/4" MIN., FED. SPEC. GGG-W-636 LATEST, TYPE 1., CLASS 1,            STYLE 1., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						
220	1731127	PC	SNAPONTO	XO-2226		
<p>WRENCH: BOX, 11/16" X 13/16", DOUBLE, HEAD, 12 POINT, MODIFIED 30 DEG. OFFSET,            Description: EACH END REGULAR LENGTH., FED. SPEC. GGG-W-636 LATEST, TYPE 1., CLASS 1, STYLE            1., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						
221	1731115	PC	MARTIN	8731A		
			MATCO	WEDL2428		
			CORNWELL	BW-2428		
			KALTOOLS	2238		
			ARMSTRON	26-724		
<p>WRENCH: BOX, DOUBLE HEAD, 3/4" X 7/8", 12 PT., 15 DEG., DOUBLE OFFSET EACH, END,            Description: REGULAR LENGTH, 11-1/4" MIN., FED. SPEC. GGG-W-636 LATEST, TYPE 1., CLASS 1,            STYLE 1., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						

**ATTACHMENT A**  
**BUS MECHANICS AND/OR TECHNICIANS TOOL SET**  
**CTA LOT# 1731813**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
222	1731122	PC	KALTOOLS MARTIN ARMSTRON CORNWELL	2246 8033C 26-751 BW-3032		
<p>WRENCH: BOX, DOUBLE HEAD, 15/16" X 1", 12 PT., 15 DEG., DOUBLE OFFSET EACH END, REGULAR LENGTH, 13-1/2", FED. SPEC. GGG-W-636 LATEST, TYPE 1, CLASS 1, STYLE 1., SPEC. NO: 4367, PCK. INFO: BX 6 PC</p>						
223	1731126	PC	MARTIN ARMSBROS FARNWITTO	MBCBLK 8735 26-763 8735		
<p>WRENCH: BOX, DOUBLE HEAD, 1" X 1-1/8", 12 POINT, 15 DEG., DOUBLE OFFSET, EACH END, REGULAR LENGTH, 14-1/2" MIN., FED. SPEC. GGG-W-636 LATEST, TYPE 1, CLASS 1, STYLE 1., SPEC. NO: 4367, REV. NO: DATE: BULL. NO: DRAW. NO: DATE: PAT. NO: PRV. ITEMID: PCK. INFO: BX 6 PC</p>						
224	1731061	PC	WILMS JH MARTIN SNAPONTO PROTOTOO ARMSBROS	8037 8037 XB 3440 1151 26-769		
<p>WRENCH: BOX, DOUBLE HEAD, 1-1/16" X, 1-1/4" 12 POINT, 15 DEG. OFFSET EACH, END, REGULAR LENGTH, FED. SPEC., GGG-W-636 LATEST TYPE 1, CLASS 1, STYLE, 1., SPEC. NO: 4367, PCK. INFO: BX 12 PC</p>						
225	1731700	PC	SNAPONTO CRAFTSMA WILMS, JH INDESTRO ARMSTRON PROTOTOO MATCO KALTOOLS	VO-810 944571 1020 1020 26-022 3018 WOES10 4012		
<p>WRENCH: 1/4" X 5/16", OPEN END, DOUBLE, HEAD, 15 DEGREE, FED. SPEC. GGG-W-636, LATEST TYPE IV, ENGINEERS WRENCH., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						

**CONTRACT NO. B100P01570**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
226	1731701	PC	INDESTRO	1721		
			MATCO	WOE1012		
			ARMSTRON	26-034		
			WILMS,JH	1721		
			CHALGER	5712		
			SNAPONTO	VO-1012		
			PROTOTOO	3020		
<p>WRENCH: OPEN END, DOUBLE HEAD, 15 DEG., 5/16" X 3/8", FED. SPEC. GGG-W-636,            Description: LATEST TYPE IV, ENGINEERS WRENCH., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						
227	1731702	PC	SNAPONTO	VO1214		
			WILMS,JH	1723		
			ARMSTRON	26-043		
			CRAFTSMA	9RY44572		
			PROTOTOO	3021		
			INDESTRO	1723		
			CHALGER	5714		
			MATCO	WOE1214		
<p>WRENCH: 3/8" X 7/16", OPEN END, DOUBLE, HEAD, 15 DEGREE, FED. SPEC. GGG-W-636,            Description: LATEST TYPE IV, ENGINEERS WRENCH., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						
228	1731703	PC	MATCO	WOE1416		
			ARMSTRON	26-058		
			SNAPONTO	VO-1416		
			KALTOOLS	4020		
			INDESTRO	1725		
			PROTOTOO	3025		
			CHALGER	5716		
			WILMS,JH	1725		
<p>WRENCH: OPEN END, DOUBLE HEAD, 15 DEG., 7/16" X 1/2", FED. SPEC. GGG-W-636            Description: LATEST TYPE IV., SPEC. NO: 4367, PCK. INFO: PC 1 PC</p>						

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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229	1731704	PC	MATCO	MOE1618		
			WILMS, JH	1725B		
			KALTOOLS	4023		
			CRAFTSMA	944579		
			ARMSTRON	26-067		
			SNAPONTO	VO-1618		
			INDESTRO	1725B		
			PROTOTOO	3026		
			CHALGR	5718		

WRENCH: OPEN END, DOUBLE HEAD, 15, DEGREE, 1/2" X 9/16", FED. SPEC. GGG-W-636  
 Description: LATEST TYPE IV., SPEC. NO: 4367, PCK. INFO: PC 1 PC

230	1731705	PC	KALTOOLS	4026		
			WILMS, JH	1727		
			CRAFTSMA	9-44592		
			MATCO	MOE1820		
			ARMSTRON	26-079		
			SNAPONTO	VO-1820		
			INDESTRO	1727		
			CHALGR	5720		
			PROTOTOO	3030		

WRENCH: OPEN END, DOUBLE HEAD, 15 DEG., 9/16" X 5/8", FED. SPEC. GGG-W-636,  
 Description: LATEST TYPE IV, ENGINEERS WRENCH., SPEC. NO: 4367, PCK. INFO: PC 1 PC

231	1731707	PC	ARMSTRON	26-094		
			PROTOTOO	3034		
			SNAPONTO	VO2022B		
			MATCO	MOE2022		
			KALTOOLS	4031		
			WILMS, JH	1027-B		

WRENCH: OPEN END, 5/8" X 11/16", 15, DEGREE, DOUBLE HEAD., FED. SPEC. GGG-W-636  
 Description: LATEST TYPE IV., SPEC. NO: 4367, PCK. INFO: PC 1 PC





SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT A BUS MECHANICS AND/OR TECHNICIANS TOOL SET  
 CTA LOT# 1731813

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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236	1731729	PC	MARTIN SNAPONTO KALUTOOLS	MBC BLK 1735 VO-3236 4050		
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WRENCH: OPEN END, 1" X 1-1/8", DOUBLE, HEAD, 15 DEGREE., FED. SPEC. GGG-W-636  
 Description: LATEST TYPE IV., ENGINEERS WRENCH., SPEC. NO: 4367, PCK. INFO: BX 3 PC

237	1731719	PC	PROTOTOO SNAPONTO ARMSBROS WILMS.JH INDESTRO	3051 VO-3440 26-169 1037 1037		
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WRENCH: OPEN END, DOUBLE HEAD, 15, DEG., 1-1/16" AND 1-1/4", FED. SPEC. GGG-W-636  
 Description: 636 LATEST, TYPE IV, SPEC. NO: 4367, PCK. INFO: BX 3 PC

\*\*\*End of Report\*\*\*

# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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CONTRACT NO. B100P01570

## ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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1	1731076	PC	SNAPONTO	OEX-8		
			PROTOTOO	1208		
			CRAFTSMA	9RY44699		
			ARMSTRON	25-208		
			CHALGER	6108		
			MATCO	WCL82		
			WILMS.JH	1158		
			KALTOOLS	32D8		
			WILLIAMST	1208 SC		

Description: PT., BOX END, MIN. OVERALL LENGTH, 3". FED. SPEC. GGG-W-636 LATEST, TYPE III.,  
SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC

2	1731260	PC	KALTOOLS	3210		
			MATCO	WCL102		
			WILMS.JH	1159		
			CHALGER	6110		
			WILLIAMST	1210SC		
			SNAPONTO	OEX-10A		
			PROTOTOO	1210		
			CRAFTSMA	9RY44691		
			CORNWELL	CW-1010		
			ARMSTRON	25-210		

Description: END. MIN. OVERALL LENGTH 3-1/4". FED. SPEC. GGG-W-636 LATEST, TYPE III.,  
SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC

# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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CONTRACT NO. B100P01570

## ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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3	1731261	PC	SNAPONTO WILLIAMST WILMS, JH CHALGR MATCO ARMSTRON PROTOTOO CORNWELL CRAFTSMA KALTOOLS	OEX12A 1212SC 1160 6112 WC122 25-212 1212 CW-1212 9RY44693 3212		
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Description: WRENCH: COMBINATION, 3/8" OPENINGS,, 15 DEGREE OPEN END, 15 DEGREE OFFSET,, 12 PT. BOX END, MIN. OVERALL LENGTH, 4-3/16", FED. SPEC. GGG-W-636 LATEST, TYPE III., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

4	1731077	PC	KALTOOLS SNAPONTO WILMS, JH ARMSTRON PROTOTOO CRAFTSMA MATCO INDESTRO CORNWELL CHALGR WILLIAMST	3214 OEX14A 1161 25-214 1214 9RY44694 WCL142 772 CW1414 6114 1214 SC		
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Description: WRENCH: COMBINATION, 7/16", 15 DEGREE, OPEN END. 15 DEGREE OFFSET, 12 PT., ORY END, MIN. OVERALL LENGTH 5", FED. SPEC. NO. GGG-W-636 LATEST, TYPE, III., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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CONTRACT NO. B100P01570

**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UCM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
5	1731078	PC	MATCO PROTOTOO SNAPONTO CORNWELL CHALGER WILLIAMST CRAFTSMA INDESTRO ARMSTRON WILMS.JH KALTOOLS	WCL162 1216 OEX16A CW1616 6116 1216 SC 9RY44695 773 25-216 1162 3216		
6	1731075	PC	SNAPONTO MATCO WILMS.JH INDESTRO PROTOTOO CRAFTSMA CORNWELL WILLIAMST CHALGER ARMSTRON KALTOOLS	OEX18A WCL182 1163 774 1218 9RY44696 CW-1818 1218 SC 6118 25-218 3218		

WRENCH: COMBINATION, 1/2", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT. BOX,  
Description: END, MIN. OVERALL LENGTH 5-1/4", FED. SPEC. GGG-W-636, LATEST, TYPE III.,  
SPEC. NO: 4367/6071, PC. INFO: PC 1 PC

WRENCH: COMBINATION, 9/16", 15 DEGREE, OPEN, 15 DEGREE OFFSET, 12 PT. OBY END,,  
Description: MIN. OVERALL LENGTH 5-3/4", FED. SPEC. GGG-W-636 LATEST, TYPE 3., SPEC. NO:  
4367/6071, PC. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A;  
 CONTRACT NO. B100P01570

**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
 CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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7	1731079	PC	WILMS, JH	1164		
			WILLIAMST	1220SC		
			PROTOTOO	1220		
			SNAPONTO	OEX20A		
			CRAFTSMA	9RY44697		
			MATCO	WCL202		
			ARMSTRON	25-220		
			INDESTRO	775		
			CORNWELL	CW2020		
			KALITOOLS	3220		
			CHALGR	6120		

Description: WRENCH: COMBINATION, 5/8", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT. BOX, END, LONG SERIES, 8" MIN. LENGTH., 8" MIN. LENGTH. FED. SPEC. GGG-636, LATEST, TYPE III, EXCEPT ON LENGTH., SPEC. NO: 4367, PK. INFO: PC 1 PC

8	1731264	PC	SNAPONTO	OEX22A		
			INDESTRO	776		
			MATCO	WCL222		
			WILMS, JH	1165		
			PROTOTOO	1222		
			CHALGR	6122		
			ARMSTRON	25-222		
			CRAFTSMA	9RY44698		
			CORNWELL	CW-2222		
			WILLIAMST	1222SC		
			KALITOOLS	3222		

Description: WRENCH: COMBINATION, 11/16", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT. BOX, END, LONG SERIES, 8-26/32" MIN. LENGTH., FED. SPEC. GGG-W-636 LATEST, TYPE III, EXCEPT ON LENGTH., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

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CONTRACT NO. B100P01570

**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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9	1731263	PC	CRAFTSMA	9RY44701		
			WILMS, JH	1166		
			INDESTRO	777		
			CHALGR	6124		
			WILLIAMST	1223SC		
			KALTOOLS	3224		
			SNAPONTO	OEX24A		
			PROTOTOO	1224		
			ARMSTRON	25-224		
			CORNWELL	CW-2424		
			MATCO	WCL242		

WRENCH: COMBINATION, 3/4", 15 DEGREE, OPEN END AND 15 DEGREE OFFSET 12 PT. BOX,  
Description: END, 8" MIN. OVERALL LENGTH., FED. SPEC. GGG-W-636 LATEST, TYPE III., SPEC.  
NO: 4367/6071, PCK. INFO: PC 1 PC

10	1731271	PC	MATCO	WCL262		
			KALTOOLS	3226		
			SNAPONTO	OEX26A		
			CORNWELL	CW-2626		
			CRAFTSMA	9RY44702		
			WILMS, JH	1167A		
			INDESTRO	777-B		
			ARMSTRON	25-226		
			WILLIAMST	1226SC		
			PROTOTOO	1226		
			CHALGR	6126		

WRENCH: COMBINATION, 13/16", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT. BOX,  
Description: END, 10-1/8" MIN. OVERALL LENGTH. FED., SPEC. GGG-W-636, LATEST, TYPE III.,  
SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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11	1731272	PC	INDESTRO	778		
			CHALGR	6128		
			CORNWELL	CW-2828		
			CRAFTSMA	9RY44703		
			WILMS,JH	1167		
			PROTOTOO	1228		
			SNAPONTO	0EX28A		
			WILLIAMST	1228SC		
			ARMSTRON	25-228		
			KALTOOLS	3228		
			MATCO	WCL282		

Description: WRENCH: COMBINATION, 7/8", 15 DEGREE, OFFSET OPEN END & BOX 15 DEGREE OFFSET, 12 PT., BOX END, 10-1/4" MIN. OVERALL LENGTH. FED. SPEC. GGG-636 LATEST., TYPE III., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

12	1731273	PC	MATCO	WCL302		
			SNAPONTO	0EX308		
			CRAFTSMA	9RY44704		
			ARMSTRON	25-230		
			WILMS,JH	1168		
			INDESTRO	779		
			CHALGR	6130		
			KALTOOLS	3230		
			WILLIAMST	1230SC		
			PROTOTOO	1230		
			CORNWELL	CW-3030		

Description: WRENCH: COMBINATION, 15/16", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT., BOX END, 12" MIN. OVERALL LENGTH. FED., SPEC. GGG-W-636 LATEST., TYPE III., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC

# **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

## **ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET** **CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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13	1731274	PC	ARMSTRON	25-232		
			WILMS JH	1170		
			CORNWELL	CW-3232		
			SNAPONTO	OEX32A		
			MATCO	MCL322		
			PROTOTOO	1232		
			WILLIAMST	1232SC		
			CHALGR	6132		
			INDESTRO	780		
			KALTOOLS	3232		
			CRAFTSMA	9RY44705		

WRENCH: COMBINATION, 1", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT. BOX, END,  
 Description: 12-1/2" MIN. OVERALL LENGTH., FED. SPEC. GGG-W-636 LATEST, TYPE III, SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC

14	1731270	PC	INDESTRO	781		
			CRAFTSMA	9RY44706		
			CORNWELL	CW-3434		
			CHALGR	6134		
			KALTOOLS	3234		
			ARMSTRON	25-234		
			SNAPONTO	OEX-34		
			PROTOTOO	1234		
			WRIGHTTO	1134		
			WILLIAMST	1234SC		
			MATCO	MCL342		
			WILMS JH	1171		

WRENCH: COMBINATION, 1-1/16", 15 DEGREE, OPEN END, 15 DEGREE OFFSET, 12 PT. BOX,  
 Description: END. FED. SPEC. GGG-W-636 LATEST, TYPE, III., SPEC. NO: 4367/6071, PCK.  
 INFO: PC 1 PC

15	1746009	PC	MATCO	MCL362		
			WILLIAMST	1236SC		
			SNAPONTO	SOEX36		
			CRAFTSMA	45951		
			STANLEYPRO	1236ASD		

WRENCH: COMBINATION, 12 POINT, STANDARD, FULLY POLISHED FINISH, SIZE 1-1/8",  
 Description: OVERALL LENGHT 15-1/2" - 15-7/8", F.I. 11/08/02, SPEC # 4367/6071



# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A;  
 CONTRACT NO. B100P01570

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## ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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16	1731778	PC	MATCO	WR12146		
			INDESTRO	0702 A		
			CRAFTSMA	9RY43682		
			ARMSTRON	27-590		
			SNAPONTO	R-1214S		
			ASBFG	RB1214		
			CORNWELL	RB1214		
			PROTOTOO	1192		
			WILMS,JH	RB1214		

WRENCH: BOX, RATCHETING, 3/8" X 7/16", 6 PT., OVERALL LENGTH, APPROX. 5-1/2",  
 Description: FED. SPEC. GGG-W-0001405 LATEST., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC

17	1731070	PC	CRAFTSMA	9RY43683		
			MATCO	WR16186		
			CORNWELL	RB1618		
			PROTOTOO	1193		
			INDESTRO	0703A		
			SNAPONTO	R1618SA		
			ARMSTRON	27-593		
			WILMS,JH	RB1618		

WRENCH: BOX, RATCHETING, 1/2" AND, 9/16", 6 PT., FED. SPEC. GGG-W-001405,  
 Description: LATEST., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC

18	1731791	PC	CORNWELL	UP-HW16		
			MATCO	AW12		
			CMCAR	57032		
			VACOPROD	SL32		
			ALLEN	57032		
			SNAPONTO	AW-16		

WRENCH: SOCKET, ALLEN HEAD, 1/2" KEY, SIZE, (STANDARD), SPEC. NO: 4392/6071,  
 Description: PCK. INFO: PC 1 PC

# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

## ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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19	1731793	PC	MATCO	AM58		
			CORNWELL	UP-1M20		
			SNAPONTO	AM-20		
			ALLEN	57036		
			VACOPROD	SL40		
			CANCAR	57036		

WRENCH: SOCKET, ALLEN HEAD, 5/8" KEY, SIZE, STANDARD, SPEC. NO: 4330/6071.

20	1741171	PC	SNAPONTO	88-9A		
			ARMSTRON	66-924		
			CHAPTSWA	9-41024		
			PROTOTOO	9853		
			INDESTRO	4787		
			ULLMAN	D-2		
			MATCO	SS2M-6		

SCREW: STARTER WITH MAGNET HAND, METAL HANDLE 9/32" X .032" TIP, APPROX. 6" LONG  
 Description: BLADE. FED. SPEC. CGG-S-121 LATEST, TYPE III, CLASS 2. SPEC. NO: 4330/6071  
 PCX. INFO: BX 5 PC

21	1740168	PC	PROTOTOO	34-1/4		
			GREATNEC	OSR2C		
			INDESTRO	4656-12		
			ARMSTRON	66-609		
			VACOPROD	P120		
			SNAPONTO	STO12B		

SCREWDRIVER: DOUBLE OFFSET, PHILLIPS CROSS TIP EACH END, SIZE NOS. 1 & 2, APPROX.  
 Description: 4-3/4" LONG, FED. SPEC. CGG-S-121, LATEST, TYPE IV, CLASS I, STYLE 1, SPEC. NO: 4330/6071, PCX. INFO: PC 1 PC

22	1740220	PC	VACOPROD	VO2		
			ARMSTRON	66-603		
			INDESTRO	4772		
			PROTOTOO	36-1/4		
			SNAPONTO	020		

SCREWDRIVER: DOUBLE OFFSET, 1/4" X .037" FLAT TIP EACH END, 4" LONG MINIMUM,  
 Description: FED., SPEC. CGG-S-121 LATEST AMENDMENT, TYPE IV, CLASS I., SPEC. NO: 4330/6071, PCX. INFO: PC 1 PC

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**ATTACHMENT B**  
**CTA LOT# 1731814**  
**RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
23	1740255	PC	SNAPONTO	SSD146		
			STANLYTO	64-883		
			WILMS,JH	DE-43		
			MATCO	SDPR63		
			VACOPROD	A-316-3		
			ARMSTRON	66-260		
			PROTOTOO	9431		
<p>SCREWDRIWER: HAND, FLAT TIP, CABINET,, STRAIGHT SIDES, PLASTIC HANDLE, LIGHT, DUTY, 3/16" DIA., BLADE, 3" LONG, 3/16" X 0.030" TIP, DESIGN A, FED. SPEC. GGG-S-121 LATEST,, TYPE 1, CLASS 1, SPEC. NO: 4330/6071, PCK. INFO: PC 1 PC</p>						
24	1740208	PC	VACOPROD	A-316-6		
			STANLYTO	64-886		
			WILMS,JH	DE-46		
			PROTOTOO	9434		
			S-PROTO	60-005		
			MAVFAIR	7517		
			SNAPONTO	SSD146		
			MATCO	SDPR66		
			ARMSTRON	66-266		
			CHALLENG	7526		
			PRDCTNSU	64-866		
			XCELITE	R3166		
<p>SCREWDRIWER: HAND, FLAT TIP, CABINET, PLASTIC HANDLE, LIGHT DUTY, 3/16" DIA. Description: BLADE 6" LONG, 3/16" X .030 TIP FED. SPEC. GGG-S-121 LATEST AMENDMENT, TYPE 1, CLASS 1, DESIGN A, SPEC. NO: 4330/6071, PCK. INFO: PC 1 PC</p>						
25	1740259	PC	STANLYTO	66-188		
			ARMSTRON	66-269		
			CRAFTSMA	9-41582		
			PROTOTOO	9435		
			SNAPONTO	SSD1410		
			MATCO	SDPR68		
			VACOPROD	A316-8		
<p>SCREWDRIWER: HAND, FLAT TIP, PLASTIC, HANDLE, LIGHTDUTY, 3/16" DIA. BLADE, 8" LONG, 3/16" X .030" TIP., FED. SPEC. GGG-S-121 LATEST AMENDMENT,, TYPE 1, CLASS 1, DESIGN A., SPEC. NO: 4330/6071, PCK. INFO: PC 1 PC</p>						

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

**CONTRACT NO. B100P01570**

ATTACHMENT B  
CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
26	1728863	PR	SNAPONTO CHAMENTO DIAMALLO PROTOTOO CHANNELL CRAFTSMA MATCO	57HLP 3048-8-1/2 SL-58-1 268G 3048 45094 RMS08P		
			FLIER: LINEMAN, WITH SIDE CUTTER,, 8-1/2", STYLE A, FED. SPEC. GOG-P-471 LATEST,, Description: TYPE IX, CLASS I, PLAIN HANDLE,, SPEC. NO: 4330/6071, PCK. INFO: PR 1 PC			
27	1741127	PC	LUFFKINTO DIAMNDITO STANLYTO	X-46 DM40-H 35-227		
			RULE: WOOD, MULTIPLE FOLDING, MARKED IN 16THS ON BOTH FACES, WITH 6" BRASS SLIDE Description: EXTENSION, FOR INSIDE MEASUREMENTS 6", FED. SPEC. GOG-R-791A, TYPE, III LATEST,, DO NOT SUBSTITUTE, SPEC. NO: 6071, PCK. INFO: BX 6 PC			
28	1754654	PC	PROTOTOO KENNEDY	44210 277		
			CABINET: ROLLER, 7 DRAWER, LOCKING, STORAGE COMPARTMENT, 27" W X 18" D X, 35-1/4" H, 5" SOLID RUBBER CASTERS., COLOR, BROWN., SPEC. # 6071, REQUIRED FOR STORAGE Description: AND PROTECTION OF, NEW EMPLOYEE TOOLS IN RAIL TERMINALS., NOTE: REQUEST MUST BE AUTHORIZE BY, MANAGER SIGNATURE ONLY., PCK. INFO: PC 1 PC			
29	1746008	PC	SNAPONTO	PWC28A		
			Description: CRIMPER: WIRE STRIPPER/CUTTER, BOLT, CUTTER, 8 1/2" LG., 10-22 AWG., F.I.11-8-02			
30	1728576	PC	PORTER,H KLEIN,M	0890 CSJ 63050		
			CUTTER: CABLE, HIGH LEVERAGE, 9-1/2", LONG, MODEL NUMBER 63050., SPEC. # 6071, DO Description: NOT SUBSTITUTE., PCK. INFO: PC 1 PC			

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
31	1740925	PC	WELLER	8200PK		
	GUN: SOLDERING, ELECTRIC, THREE HEAT, CAPACITIES (TIPS) 100 W, 200 W AND, 350 W, 120 VOLTS A.C. 50/60 CYCLE,, HEATING TIME APPROX. 4 SECONDS WITH, BUILT-IN Description: SPOTLIGHT TRIGGER CONTROL, HANDLE GRIP HI-IMPACT HOUSINGS,, WITH CORD AND PLUG, UL APPROVED,, SPEC. # 6071, PK. INFO: PC 1 PC					
32	1724026	PC	FLUKE	87-V		
	METER: MULTI-DIGITAL, FLUKE MODEL 87 V WITH LEADS, TRUE RMS,, "DELICATE Description: INSTRUMENT - HANDLE WITH CARE", SPEC. NO: 6174, PK. INFO: PC 1 PC,					
33	1730044	PC	SNAPONTO	210 EFTAWY PROTOTOO		
	SOCKET: DRIVERS, 3/8" & 1/8" SET IN STANDARD LENGTH (CHROME), HEX, 10PCS.- Description: METRIC (4-0 TO 10 MM) REF: SNAP-ON CAT. P.84 SPEC. 3991/6071 FI 06/16/99					
34	1746005	SE	SNAPONTO	115TMM		
	SOCKET: METRIC TOOL SET, 1/4" DRIVE, 6-POINT, 4 TO 16MM, SHALLOW, 15 PC. ON Description: A270 RAIL & CLIPS. SPEC. 3991/6071 F.I.11-8-02					
35	1746006	SE	SNAPONTO	323SMM		
	SOCKET: METRIC TOOL SET, 1/2" DRIVE, 12-POINT, 10 TO 32MM, SHALLOW 23 PC, ON Description: A270 RAIL & CLIPS. SPEC. # 3991/6071 F.I.11-8-02					
36	1743928	PC	CRAFTSMA	9-82565 PWC 27		
	STRIPPER: WIRE, REMOVES 1/4" TO 1", INSULATION, SIX OPENINGS FOR 8 WIRE, SIZES., Description: REQUIRED FOR STRIPPING RT VEHICLE, COMPONENTS IN AREA 429., FED. SPEC. GGG-S-665, SPEC. # 6071, PK. INFO: PC 1 PC					
37	1747012	PC	INDUSTOO KLEIN,M	1004 1004		
	STRIPPER: WIRE, AND CUTTER, K. MILLER, TOOL AND MFG. MODE 101-S., SPEC. # 6071, Description: PK. INFO: PC 1 PC					

# **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

## **ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**

CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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38	1732179	PC	SNAPONTO	TM-5		
			PROTOTOO	4785		
			WILMS, JH	M-20A		
			ARMSTRON	10-938		
			CORNWELL	HST-04		

HANDLE: BAR, SLIDING TEE, 1/4" SQ., DRIVE, 4-1/2" LENGTH., FED. SPEC. GGG-C-641,  
 Description: TYPE III LATEST., CLASS 4, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

39	1730015	PC	PROTOTOO	4706		
			WILMS, JH	M-606		
			INDESTRO	2806		
			CRAFTSMA	9RY43491		
			MATCO	A66		
			CORNWELL	T-0206		
			CHALLENG	1006		
			SNAPONTO	TM6		

SOCKET: HAND, 3/16", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-  
 Description: 641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

40	1730016	PC	WILMS, JH	M-607		
			PROTOTOO	4707		
			CRAFTSMA	9RY43492		
			ARMSTRON	10-007		
			CHALGER	1007		
			SNAPONTO	TM7		
			CORNWELL	T-0207		
			MATCO	A76		
			INDESTRO	2807		

SOCKET: HAND, 7/32", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE., FEDERAL SPEC.  
 Description: GGG-W-641, LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

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**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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41	1730018	PC	ARMSTRON CORNWELL WILMS,JH SNAPONTO PROTOTOO CRAFTSMA INDESTRO CHALLENG MATCO	10-009 T-0209 M-609 TW9 4709 9RY43494 2809 1009 A96		
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Description: SOCKET: HAND, 9/32", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641D, LATEST, TYPE II, CLASS I, STYLE A, SPEC. NO: 3991/6071, PK. INFO: PC 1 PC

42	1730019	PC	STANLYTO PROTOTOO CRAFTSMA SNAPONTO CHALLENG CORNWELL PROTOTOO ARMSTRON WILMS,JH MATCO INDESTRO	L1011 L1011 9RY43496 TW11 L1011 T-0211 4711 10-011 M-611 A116 2811		
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Description: SOCKET: HAND, 11/32", 6 PT., 1/4", SQUARE DRIVE REGULAR LENGTH., FED. SPEC. GGG-W-641D, LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PK. INFO: PC 1 PC

43	1730012	PC	PROTOTOO ARMSTRON SNAPONTO INDESTRO CORNWELL MATCO CRAFTSMA WILMS,JH	4706L 10-206 STM6 2806D T-0206L AD66 9RY43571 MD606		
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Description: SOCKET: MIDGET, 3/16", 6 PT., SINGLE, BROACHED, LONG LENGTH, 1/4" SQUARE, DRIVE, FED. SPEC. GGG-W-641 LATEST, TABLE II., CLASS 1, STYLE B, SPEC. NO: 3991/6071, PK. INFO: PC 1 PC

# **SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

## **ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**

CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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44	1730005	PC	CRAFTSMA SNAPONTO MATCO WILLIAMS CORNWELL ARMSTRON PROTOTOO INDESTRO	9RY43572 STM7 AD76 MD607 T-0207L 10-207 4707L 2807D		
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Description: SOCKET: HAND, 7/32", 6 PT., LONG LENGTH,, DEEP 1/4" SQUARE DRIVE, FED. SPEC. GGG-1 PC  
W-641 LATEST, TYPE II, CLASS 1, STYLE B, SPEC. NO: 3991/6071, PK. INFO: PC

45	1730010	PC	SNAPONTO WILMS.JH PROTOTOO CORNWELL INDESTRO ARMSTRON CRAFTSMA CHALLENG MATCO	STM8 MD-608 4708L T-0208L 2808D 10-208 9RY43573 1108 AD86		
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Description: SOCKET: MIDGET, 6 PT., EXTRA DEEP,, 1/4" SQUARE DRIVE,, NOMINAL OPENING 1/4",,  
FED. SPEC. GGG-W-641 LATEST, TYPE II,, CLASS 1, STYLE B., SPEC. NO: 3991/6071,  
PK. INFO: PC 1 PC

46	1730011	PC	CRAFTSMA ARMSTRON WILMS.JH CHALLENG PROTOTOO INDESTRO SNAPONTO MATCO CORNWELL	9RY43574 10-209 MD-609 1109 4709L 2809D STM9 AD96 T-0209L		
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Description: SOCKET: HAND, 9/32", 6 PT., LONG LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641  
LATEST,, TYPE II, CLASS 1, STYLE A, SPEC. NO: 3991/6071, PK. INFO: PC 1 PC



**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

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**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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47	1730006	PC	CORNWELL PROTOTOO SNAPONTO WILMS.JH ARMSTRON CRAFTSMA MATCO CHALLENG	T-0210L 4710L STM10 MD-610 10-210 9RY43575 ADI06 1110		
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SOCKET: HAND, 5/16", 6 PT., 1/4", SQUARE DRIVE, LONG LENGTH (DEEP),, FED. SPEC.  
Description: GGG-W-641 LATEST, TYPE II,, CLASS 1, STYLE B., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC

48	1730007	PC	SNAPONTO WILMS.JH INDESTRO CHALLENG MATCO CORNWELL ARMSTRON CRAFTSMA PROTOTOO	STM11 MD-611 2811D 1111 ADI16 T-0211L 10-211 9RY43576 4711L		
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SOCKET: HAND, 11/32", 6 PT. LONG LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641  
Description: LATEST,, TYPE II, CLASS 1, STYLE B., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC

49	1730008	PC	MATCO CORNWELL SNAPONTO MATCO ARMSTRON WILMS.JH PROTOTOO CRAFTSMA INDESTRO CHALLENG	ADI26 T-0212L STM12 1112 10-212 MD-612 4712L 9RY43577 2812 D 1112		
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SOCKET: HAND, 3/8", 6 PT. LONG LENGTH,, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641  
Description: LATEST,, TYPE II, CLASS 1, STYLE B., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No.	Offered

SOCKET: HAND, 7/16", 6 PT., LONG LENGTH, (DEEP), 1/4" SQUARE DRIVE, FED. SPEC.  
Description: GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE B., SPEC. NO: 3991/6071, FCK.  
INFO: FC 1 PC

HANDLE: TEE, SLIDING, 3/8" SQUARE, DRIVE, APPROX. 8" LENGTH, FED. SPEC., G33-641  
Description: LATEST, TYPE III, CLASS 4,, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1  
PC

SOCKET: 1/2", 12 PT., LONG LENGTH, (3" MIN.), 1/2" SQUARE DRIVE, FED. SPEC. G33-  
Description: W-641, TYPE II., CLASS 2, STYLE B, SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

ATTACHMENT B  
CTA LOT# 1731814  
RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
53	1730071	PC	ARMSTRON MATCO WILMS,JH INDESTRON CHALLENG CRAFTSMA CORNWELL PROTOTOO SNAPONTO	12-318 CD182 SD-1218 3018 1718 9RY47522 T-3118L 5318 S-181		
SOCKET: HAND, 9/16", 12 PT., LONG LENGTH, (3" MIN.), 1/2" SQUARE DRIVE, FED. Description: SPEC. GGG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC						
54	1730072	PC	CRAFTSMA CORNWELL PROTOTOO CHALLENG SNAPONTO MATCO WILMS,JH INDESTRON	9RY47523 T-3120L 5320 1720 S-201 CD202 SD-1220 3020		
SOCKET: HAND, 5/8", 12 PT., DEEPT, 1/2", SQ. DRIVE, CHROME, FED. SPEC. GGG-W-641 Description: LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC						
55	1730073	PC	CRAFTSMA CHALGR CORNWELL PROTOTOO SNAPONTO MATCO INDESTRON ARMSTRON WILMS,JH	9RY47524 1722 T-3122L 5322 S221 CD222 3022 12-322 SD-1222		
SOCKET: HAND, 11/16", 12 PT., DEEP, SOCKET, MIN. LENGTH 3", 1/2" SQUARE, DRIVE, Description: FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC						

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
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**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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56	1730074	PC	ARMSTRON CORNWELL MATCO SNAPONTO CRAFTSMA WILMS JH INDESTRO CHALGER PROTOTOO	12-324 T-3124L CD242 S241 9RY47525 SD-1224 3024 1724 5324-3/4		
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Description: SOCKET: HAND, 3/4", 12 PT., DEEP SOCKET, MIN. LENGTH 3", 1/2" SQUARE DRIVE, FED.  
PC. INFO: PC 1 PC SPEC. NO: 3991/6071,

57	1730075	PC	INDESTRO ARMSTRON CRAFTSMA MATCO WILMS JH CORNWELL PROTOTOO SNAPONTO CHALGER	3026 12-326 9RY47527 CD262 SD-1226 T-3126L 5324-13/16 S261 1726		
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Description: SOCKET: HAND, 13/16", 12 PT., MIN. 3", LONG, 1/2" SQUARE DRIVE, FED. SPEC. GGG-W-  
PC 641 LATEST, TYPE II, CLASS 2, STYLE B, SPEC. NO: 3991/6071, PC. INFO: BX 6

58	1730076	PC	WILMS JH CRAFTSMA PROTOTOO SNAPONTO CHALLENG MATCO CORNWELL INDESTRO	SD-1228 9RY47528 5328 S281 1728 CD282 T-3128L 3028		
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Description: SOCKET: HAND, 7/8", 12 PT., LONG LENGTH, (3" MIN.), SQUARE DRIVE, FED. SPEC.  
GGG-W-641 LATEST, TYPE II, CLASS 2, STYLE B, SPEC. NO: 3991/6071, PC.

# SPECIAL CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

## ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET CTA LOT# 1731814

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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59	1730077	PC	SNAFONTO MATCO ARMSTRON PROTOTOO CHALLENG CRAFTSMA CORNWELL WILMS.JH INDESTRO	S-301 CD302 12-330 5330 1730 9RY47529 T-3130L SD-1230 3030		
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SOCKET: HAND, 15/16", 12 PT., LONG, LENGTH, 1/2" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC  
 1 PC

60	1730078	PC	SNAFONTO CHALLENG WILMS.JH PROTOTOO CRAFTSMA MATCO CORNWELL ARMSTRON INDESTRO	S-321 1732 SD-1232 5332 9RY47531 CD322 T-3132L 12-332 3032		
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SOCKET: HAND, 1", 12 PT., DEEP, 1/2" SQUARE DRIVE, CHROME., FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

61	1730079	PC	PROTOTOO CORNWELL SNAFONTO CRAFTSMA WILMS.JH INDESTRO CHALLENG MATCO ARMSTRON	5334 T-3134L S-341 9RY47532 SD-1234 3034 1734 CD342 12-334		
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SOCKET: HAND, 1-1/16", 12 PT., LONG, LENGTH, 1/2" SQUARE DRIVE., FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

**SPECIAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B100P01570

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**ATTACHMENT B RAPID CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET**  
**CTA LOT# 1731814**

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
62	1730080	PC	SNAFONTO PROTOTOO CHALLENG MATCO CRAFTSMA ARMSTRON INDESTRO WILMS,JH CORNWELL	S-361 5336 1736 CD362 9RY47533 12-336 3036 SD-1236 T-3136L		

Description: 641 LATEST, TYPE II., CLASS 2, STYLE B, SOCKET: HAND, 1-1/8", 12 PT., LONG, LENGTH, 1/2" SQUARE DRIVE, FED. SPEC. CGG-W-PC  
SPEC. NO: 3991/6071, PKX. INFO: PC 1

\*\*\*End of Report\*\*\*

**GENERAL CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

ATTACHMENT C BAA C

CONTRACT NO. B100P01570

ATTACHMENT C  
CTA LOT# 1731815  
RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
1	1731812	SE	WILLIAMS PROTOTO	WLM-15PC SPR6PT-1/4	
	SOCKET: SET, HAND, 1/4" SQ.DR., WITH 1 HINGED HANDLE, TYPE 1, CLASS 1; 10 SINGLE HEX SOCKETS 3/16"-9/16", CLASS 1, STYLE, A: 3 DOUBLE SQ. SOCKETS 1/4", 5/16" & 3/8" CLASS 2, STYLE A & METAL, BOX. ASME STANDARDS B107.1 & B107.10M Description: PROTO HANDLE 4766, SOCKETS, 4706 THRU 4718 4708S, 4710S & 4712S ASSEMBLED IN 4795 STEEL BOX. -, 15 PCS. PER SET., SPEC. NO: 3480/6071, PCK. INFO: SE 15 PC				
2		EA			
	Description: TOOL BOX STEEL WITH HANDLE AND DRAW LATCH 6-1/2" To 7-1/2" Lg. x 3-1/2" to 4-1/2" Wide x 1" to 2" High				
3	1730001	PC	WILLIAMST PROTOTOO SNAPONTO INDESTRO	M-808 4708S TM-408 2808-S	
	INCLUDED IN SET 1731812				
	SOCKET: HAND, 1/4", DOUBLE SQUARE, 8 PT., REGULAR, LENGTH 1/4" SQ. DRIVE., FED. 1 PC				
4	1730002	PC	SNAPONTO WILLIAMST INDESTRO ARMSTRON PROTOTOO	TM-410 M-810 2810S 11-410 4710S	
	INCLUDED IN SET 1731812				
	SOCKET: HAND, 5/16" DOUBLE SQUARE,, 8 PT., 1/4" SQUARE DRIVE, REGULAR, LENGTH, Description: FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 3, SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC				
5	1730377	PC	ARMSTRON PROTOTOO SNAPONTO WILLIAMST INDESTRO	10-412 4712S TM-412 M-812 2812-S	
	INCLUDED IN SET 1731812				
	SOCKET: HAND, 3/8" DOUBLE BROACHED,, 8 PT., 1/4" SQUARE DRIVE, FED. SPEC. GGG-W- Description: 641 LATEST, TYPE 2., CLASS 3, SPEC. NO: 3991, PCK. INFO: PC 1 PC				

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UCM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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6	1730015	PC	PROTOTOO	4706		
			WILMS,JH	M-606		
			INDESTRO	2806		
			CRAFTSMA	9RY43491		
			MATCO	A66		
			CORNWELL	T-0206		
			CHALLENG	1006		
			SNAPONTO	TM6		

Description: SOCKET: HAND, 3/16", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PK. INFO: PC  
1 PC

7	1730016	PC	WILMS,JH	M-607		
			PROTOTOO	4707		
			CRAFTSMA	9RY43492		
			ARMSTRON	10-007		
			CHALGER	1007		
			SNAPONTO	TM7		
			CORNWELL	T-0207		
			MATCO	A76		
			INDESTRO	2807		

Description: SOCKET: HAND, 7/32", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641, LATEST, TYPE II, CLASS 1, STYLE A, SPEC. NO: 3991/6071, PK. INFO: PC  
1 PC

8	1730017	PC	MATCO	A86		
			CRAFTSMA	9RY43493		
			INDESTRO	2808		
			CHALLENG	1008		
			WILMS,JH	M-608		
			ARMSTRON	10-008		
			SNAPONTO	TM8		
			PROTOTOO	4708		
			CORNWELL	T-0208		

Description: SOCKET: HAND, 1/4", 6 PT., 1/4" SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PK. INFO: PC  
1 PC



**ATTACHMENT C**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

**RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET**

Line No.	Item No.	UCM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
9	1730018	PC	ARMSTRON CORNWELL WILMS, JH SNAPONTO PROTOTOO CRAFTSMA INDESTRO CHALLENG MATCO	10-009 T-0209 M-609 TM9 4709 9RY43494 2809 1009 A96	
SOCKET: HAND, 9/32", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641D, LATEST, TYPE II, CLASS I, STYLE A., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC					
10	1730020	PC	ARMSTRON WILMS, JH MATCO INDESTRO SNAPONTO CRAFTSMA PROTOTOO CHALGR	10-010 M-610 A106 2810 TM10 9RY43495 4710 1010	
Description: 641 LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCX. INFO: PC 1					
11	1730019	PC	STANLYTO PROTOTOO CRAFTSMA SNAPONTO CHALLENG CORNWELL PROTOTOO ARMSTRON WILMS, JH MATCO INDESTRO	L1011 L1011 9RY43496 TM11 L1011 T-0211 4711 10-011 M-611 A116 2811	
SOCKET: HAND, 11/32", 6 PT., 1/4", SQUARE DRIVE REGULAR LENGTH., FED. SPEC. GGG-W-641D, LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCX. INFO: PC 1					

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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12	1730021	PC	CRAFTSMA	9RY43497		
			MATCO	A126		
			WRIGHT	2012		
			CHALGER	1012		
			CORNWELL	T-0212		
			SNAPONTO	TM12		
			PROTOTOO	4712		
			INDESTRO	2812		
			ARMSTRON	10-012		
			WILMS,JH	M-612		

Description: HAND, 3/8", 6 PT., REGULAR, LENGTH, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., REG. LENGTH., SPEC. NO: 3991/6071, PCX. INFO: PC 1

13	1730022	PC	ARMSTRON	10-014		
			CRAFTSMA	9RY43498		
			SNAPONTO	TM14		
			CORNWELL	T-0214		
			MATCO	A146		
			CHALGER	1014		
			PROTOTOO	4714		
			WILMS,JH	M-614		
			INDESTRO	2814		

Description: HAND, 7/16", 6 PT., 1/4", SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., REG. LENGTH., SPEC. NO: 3991/6071, PCX. INFO: PC 1

14	1730023	PC	SNAPONTO	TM16		
			CORNWELL	T-0216		
			CHALLENG	1016		
			INDESTRO	2816		
			ARMSTRON	10-016		
			CRAFTSMA	9RY43499		
			WILMS,JH	M616		
			MATCO	A166		
			PROTOTOO	4716		

Description: HAND, 1/2", 6 PT., 1/4", SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, REGULAR LENGTH., SPEC. NO: 3991/6071, PCX. INFO: PC 1

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
15	1739484	PC	INCLUDED IN SET 1731812			
	SOCKET: HAND, 9/16", 6 PT., 1/4" SQUARE DRIVE, REGULAR LENGTH. SPEC. #					
	Description: 3991/6071 J.F. FI, 9-27-10.					
16	1732567	PC	INCLUDED IN SET 1731812			
	HANDLE: HINGE, 1/4" SQUARE DRIVE,, TYPE III, CLASS 1. LENGTH MIN., 4-7/8" MAX.					
	Description: 6", SPEC. NO: 3991, PCK. INFO: PC 1 PC					
17	1732125	PC	SEARSROB	9-43523		
			INDESTRO	2850		
			CRSENITO	LM17		
			CHALGR	1070		
			WRIGHTO	2435		
			WILMS, JH	M42A		
	Description: 6", SPEC. NO: 3991, PCK. INFO: PC 1 PC					
18	1732126	PC	INDESTRO	2832		
			WILMS, JH	M-102		
			PROTOTOO	4759		
			CORNWELL	E-0-2		
			MATCO	A2E		
			SNAPONTO	TWKK2-2		
			ARMSTRON	10-921		
	Description: BAR: EXTENSION, HAND, 1/4" SQUARE, DRIVE, 2" LONG, FED. SPEC. GGG-E-641, LATEST, TYPE IV, CLASS 4, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC					
19	1732126	PC	ARMSTRON	10-923		
			WILMS, JH	M-115		
			PROTOTOO	4761		
			SNAPONTO	TWKK2-6		
			MATCO	A6E		
			CRAFTSMA	9RY43531		
			INDESTRO	2833		
			CORNWELL	E-0-6		
			CHALGR	1066		
	Description: BAR: EXTENSION, HAND, 1/4" SQUARE, DRIVE, 6" LONG., FED. SPEC. GGG-W-641 LATEST, TYPE IV., CLASS 4, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC					

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
19	1732667	PC	CRAFTSMA MATCO ARMSTRON SNAPONTO CHALGR PROTOTOO INDESTRO WILMS JH CORNWELL	9RY43372 A6SH 10-943 TM-4CS 1069 4769 2873 M106A HN-02P	
Description: 1/4" SQUARE DRIVE, 6" LONG., SPEC. NO: 3991/6071, PC. INFO: PC 1 PC					
20	1731770	PC	WILLIAMST DEMCO SNAPONTO CRAFTSMA MATCO INDESTRO CHALLENG	M-52A 1060D T936 9-44807 AR4 2875A 1060A	
Description: WRENCH: RATCHET, MIDGET, 1/4" SQUARE, DRIVE, FED. SPEC. GGG-W-641 LATEST,, TYPE III HANDLE, CLASS 2 REVERSIBLE, RATCHET,, SPEC. NO: 3991/6071, PC. INFO: BX					
21	1730937	PC	MATCO CHALGR CRAFTSMA CORNWELL SNAPONTO ARMSTRON WILMS JH PROTOTOO INDESTRO	A3U 1080 9RY4280 UJ-0 TMU-8 10-947 M-140A 4770 2836	
Description: JOINT: UNIVERSAL, 1/4" SQUARE DRIVE, FED. SPEC. GGG-W-641D, TYPE IV, CLASS 2, SPEC. NO: 3991/6071, PC. INFO: BX 3 PC					

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Prior	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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22	1730050	PC		INDESTRO	2708-H		
				SNAPONTO	FS-081		
				RONCOIND	EAS-42-1108		
				WILMS, JH	B-608		
				SEARSROB	9-42999		
				ARMSTRON	11-008		
				PROTOTOO	5208H		
				CORNWELL	T-2208		
				MATCO	B86		

Description: SOCKET: HAND, 1/4" STANDARD, 6 PT., 3/8" SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II,, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PK. INFO: PC 1 PC

23	1730051	PC		SNAPONTO	FS-101		
				MATCO	B106		
				ARMSTRON	11-010		
				PROTOTOO	5210H		
				SEARSROB	9-43000		
				INDESTRO	2710-H		
				CORNWELL	T-2210		
				WILMS, JH	B-610		

Description: SOCKET: HAND, 5/16", 6 PT., 3/8", SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II,, CLASS 1, TYPE A., SPEC. NO: 3991/6071, PK. INFO: PC 1 PC

24	1730054	PC		ARMSTRON	11-012		
				CHALGR	1212H		
				SNAPONTO	FS121		
				CRAFTSMA	9RY43001		
				PROTOTOO	5212H		
				CORNWELL	T-2212		
				WILMS, JH	B-612		
				MATCO	B126		
				INDESTRO	2712-H		

Description: SOCKET: HAND, 3/8", 6 PT., REGULAR, LENGTH, 3/8" SQUARE DRIVE, FED. SPEC. GGG-W-641 LATEST, TYPE II,, CLASS 1, STYLE A., SPEC. NO: 3991/6071, PK. INFO: PC 1 PC

CONTRACT NO. B100P01570

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
 CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
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25	1730057	PC	CRAFTSMA PROTOTOO INDESTRO MATCO CORNWELL WILMS, JH SNAPONTO CHALGR ARMSTRON	9RY43002 5214H 2714 H B146 T-2214 B-614 FS 141 1214H 11-014	
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Description: SOCKET: HAND, 7/16", 6 PT., 3/8" DRIVE,, STANDARD LENGTH 29/32" APPROX., FED.  
 INFO: PC 1 PC  
 Description: 641 LATEST, TYPE II,, CLASS 1, STYLE A, SPEC. NO: 3991, PC.

26	1730052	PC	WILLIAMS, CORNWELL, SNAPONTO MATCO CHALLENG ARMSTRON PROTOTOO CRAFTSMA INDESTRO	B616 T-2216 FS161 B166 1216H 11-016 5216H 9RY43003 2716-H	
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Description: SOCKET: HAND, 1/2", 6 PT., STANDARD,, REGULAR LENGTH, 3/8" SQUARE DRIVE,, GGG-W-  
 INFO: PC 1 PC  
 Description: 641 LATEST, TYPE II, CLASS 1,, STYLE A, SPEC. NO: 3991, PC. INFO: PC 1 PC

27	1730053	PC	PROTOTOO INDESTRO SNAPONTO MATCO CRAFTSMA WILMS, JH CORNWELL ARMSTRON CHALLENG	5218H 2718H FS181 B186 9RY43004 B618 T-2218 11-018 1218H	
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Description: SOCKET: HAND, 9/16", 6 PT., REGULAR, LENGTH, 3/8" SQUARE DRIVE, FED. SPEC. GGG-W-  
 INFO: PC 1 PC  
 Description: 641 LATEST, TYPE II,, CLASS 1, STYLE A, SPEC. NO: 3991, PC. INFO: PC 1 PC

# STANDARD CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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28	1730058	PC	CRAFTSMA MATCO SNAPONTO PROTOTOO INDESTRO CHALGR ARMSTRON WILMS,JH CORNWELL	9RY43005 B-206 FS 201 5220H 2720 H 1220 H 11-020 B-620 T-2220		
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Description: SOCKET: HAND, 5/8" 6 PT., 3/8" DRIVE,, STANDARD LENGTH 1-1/32" APPROX., FED.  
INFO: PC 1 PC  
SPEC. NO: 3991, PC.

29	1730059	PC	ARMSTRON CORNWELL SNAPONTO PROTOTOO CHALGR CRAFTSMA WILMS,JH MATCO INDESTRO	11-022 T-2222 FS 221 5222H 1222H 9RY43006 B-622 B-226 2722-H		
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Description: SOCKET: HAND, 11/16" 6 PT., 3/8", DRIVE, REGULAR LENGTH, 1-1/8" APPROX., FED.  
PC. INFO: PC 1 PC  
SPEC. NO: 3991/6071,

30	1730055	PC	ARMSTRON PROTOTOO CHALGR WILMS,JH INDESTRO CRAFTSMA SNAPONTO MATCO CORNWELL	11-024 5224H 1224H B-624 2724-H 9RY43007 FS241 B246 T-2224		
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Description: SOCKET: HAND, 3/4", 6 PT., REGULAR, LENGTH, 3/8" SQUAREDRIVE, FED. SPEC. GGG-W-  
1 PC  
INFO: PC 1 PC  
SPEC. NO: 3991/6071, PC. INFO: PC

REVISIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
CONTRACT NO. B10OP01570

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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31 1732135 PC

CHALGER 1265  
MATCO BJE  
CORNWELL E-2-3  
CRAFTSMA 9RY44264  
PROTOTOO 5260  
ARMSTRON 11-922  
WILMS, JH B-108  
SNAPONTO FXK3  
INDESTRO 2730

BAR: EXTENSION, HAND, 3/8" SQUARE DRIVE,, 3" LONG. FED. SPEC. GGG-W-641 LATEST,,  
Description: TYPE IV, CLASS 4, STYLE A., SPEC. NO: 3991/6071, PC. INFO: EX 4 PC

32 1732136 PC

WILMS, JH B-110  
SNAPONTO FXK6  
CRAFTSMA 9RY44261  
MATCO B6E  
INDESTRO 2733  
CORNWELL E-2-6  
CHALGER 1266  
PROTOTOO 5260-06  
ARMSTRON 11-923

BAR: EXTENSION, HAND, 3/8" DRIVE,, 6 LONG. FED. SPEC. GGG-W-641 LATEST,, TYPE  
Description: IV, CLASS 3, STYLE A., SPEC. NO: 3991/6071, PC. INFO: EX 4 PC

33 1732138 PC

CORNWELL E-2-12  
MATCO B12E  
WRIGHTTO 3412  
CHALGER 1268  
SNAPONTO UE120  
PROTOTOO 5262

BAR: EXTENSION, HAND, 3/8" SQUARE, DRIVE, 12" LONG., FED. SPEC. GGG-W-641 LATEST,,  
Description: TYPE IV,, CLASS 4, EXTENSION BAR, STYLE A SOLID,, SPEC. NO: 3991, PC. INFO: BOX 4 PC



**REMARKS/NOTES**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B16090177

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CONTRACT NO. B100P01570

ATTACHMENT C  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
34	1731773	PC	MATCO	BR8DP		
			INDESTRO	2775		
			COSVENTO	LT-75		
			CHALGR	1260		
			SNAPONTO	F936		
			CRAFTSMA	9-44811		
			KALTOOLS	1249		
			ARMEROS	F-91		
			WILMS.JH	B-52		
			WRIGHTTO	3426		
<p>WRENCH: RATCHET, 3/8" SQUARE DRIVE,, REVERSEIBLE, 6-3/4" LONG, FED. SPEC. GGG-641</p> <p>Description: LATEST., TYPE III, HANDLE CLASS 2., SPEC. NO: 3991/6071, PCK. INFO: BX 8 PC</p>						
35	1730936	PC	PROTOTOO	5270		
			MATCO	B3U		
			INDESTRO	2797		
			CHALGR	1280		
			CORNWELL	UJ-2		
			SNAPONTO	FU-80A		
			CRAFTSMA	9RY4435		
			WILMS.JH	B140A		
			ARMSTRON	11-947		
<p>JOINT: UNIVERSAL, HAND TYPE, 3/8", SQUARE DRIVE, FED.SPEC.GGG-N-641 LATEST, TYPE</p> <p>Description: IV., CLASS 2., SPEC. NO: 3991/6071, PCK. INFO: BX 6 PC</p>						
36	1730025	PC	WILMS.JH	BD 1212		
			MATCO	BD122		
			ARMSTRON	11-312		
			PROTOTOO	5012		
			SNAPONTO	SF 121		
			CRAFTSMA	9RY43301		
			CHALLENG	1312		
			CORNWELL	T-212L		
<p>SOCKET: HAND, 3/8", 12 PT., LONG, LENGTH, 3/8" SQUARE DRIVE, FED. SPEC. GGG-W-641</p> <p>Description: LATEST., TYPE II, CLASS 2, STYLE B, SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC</p>						

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
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37	1730026	PC	ARMSTRON	11-314	
			INDESTRO	2742	
			WILMS,JH	BD-1214	
			PROTOTOO	5014	
			SNAPONTO	SF-141	
			CRAFTSMA	9RY43311	
			CORNWELL	T-2114L	
			MATCO	BD142	
			CHALGR	1314	

Description: SOCKET: HAND, 7/16" LONG LENGTH,, 12 PT., 2-1/8" APPROX. 3/8" SQUARE DRIVE, FED. SPEC. GG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

38	1730027	PC	SNAPONTO	SF161	
			MATCO	BD162	
			PROTOTOO	5016	
			CHALGR	1316	
			CORNWELL	T-2116L	
			ARMSTRON	11-316	
			CRAFTSMA	9RY43312	
			WILMS,JH	BD-1216	
			INDESTRO	2743	

Description: SOCKET: HAND, 1/2" 12 PT., DEEP, 3/8", SQUARE DRIVE, CHROME, FED. SPEC. GG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

39	1730028	PC	MATCO	BD182	
			PROTOTOO	5018	
			CORNWELL	T-2118L	
			CHALGR	1318	
			CRAFTSMA	9RY43313	
			INDESTRO	2744	
			WILMS,JH	BD-1218	
			SNAPONTO	SF181	
			ARMSTRON	11-318	

Description: SOCKET: HAND, 9/16" 12 PT., DEEP, 3/8", SQUARE DRIVE, LONG LENGTH, 2-3/8", APPROX. CHROME, FED. SPEC. GG-W-641 LATEST, TYPE II., CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
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ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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40	1730029	PC	MATCO	BD202		
			CRAFTSMA	9RY43314		
			ARMSTRON	11-320		
			WILMS, JH	BD-1220		
			INDESTRO	2745		
			SNAPONTO	SF201		
			PROTOTOO	5020		
			CORNWELL	T-2120L		
			CHALGR	1320		

Description: SOCKET: HAND, 5/8" 12 PT., LONG LENGTH,, 2-3/8" APPROX., 3/8" SQUARE DRIVE, FED.  
SPEC. GGG-W-641 LATEST, TYPE II, CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC

41	1730030	PC	SNAPONTO	SF221		
			PROTOTOO	5022		
			WILMS, JH	BD-1222		
			CRAFTSMA	9RY43316		
			ARMSTRON	11-322		
			CORNWELL	T-2122L		
			MATCO	BD222		
			INDESTRO	2746		

Description: SOCKET: HAND, 11/16", 12 PT., LONG LENGTH, 2-5/8" APPROX., 3/8" SQUARE DRIVE, FED.  
SPEC. GGG-W-641 LATEST, TYPE II,, CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC

42	1730031	PC	CRAFTSMA	9RY43317		
			MATCO	BD242		
			ARMSTRON	11-324		
			INDESTRO	2747		
			CHALLENG	1324		
			CORNWELL	T-2124L		
			SNAPONTO	SF241		
			PROTOTOO	5024		
			WILMS, JH	BD-1224		

Description: SOCKET: HAND, 3/4", 12 PT., LONG LENGTH, APPROX. 2-5/8", 3/8" SQUARE DRIVE, FED.  
SPEC. GGG-W-641 LATEST, TYPE II, CLASS 2, STYLE B., SPEC. NO: 3991/6071, PCX. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
 CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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43	1730032	PC	MATCO	BD262		
			SNAPONTO	SF261		
			INDESTRO	2748		
			CORNWELL	T-21266		
			CRAFTSMA	9RY43318		
			WILMS, JH	BD-1226		
			CHALLENG	1326		
			ARMSTRON	11-326		
			PROTOTOO	5026		

Description: HAND, 13/16", 12 PT., LONG, LENGTH (APPROX. 2-3/4"), 3/8" SQUARE, DRIVE.  
 3991/6071, PCK. INFO: PC 1 PC

44	1730961	PC	SNAPONTO	IME120		
			CORNWELL	P-2212		
			SEARSBOS	3812		
			INDESTRO	4362		
			MATCO	BP126		
			WILMS, JH	2-612		
			PROTOTOO	7212H		
			ARMSTRON	19-012		

Description: DRIVE, POWER (IMPACT), 3/8" SINGLE HEXAGON, (6 PT.), STANDARD LENGTH,  
 3/8", SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED SPEC. GGG-W-660  
 LATEST, TYPE I., CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

45	1738066	PC	ARMSEBOS	19-014		
			SNAPONTO	IME140		
			INDESTRO	4364		
			WILMS, JH	2-614		
			MATCO	BP146		
			PROTOTOO	7214H		
			CORNWELL	P2214		

Description: DRIVER, POWER (IMPACT), 7/16" SINGLE HEX (6 POINT) STANDARD LENGTH, 3/8"  
 I, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

## SPECIFICATION

Page

**RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET**

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SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 CONTRACT NO. B100P01570

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
 CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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49	1730962	PC	ARMSTRON PROTOTOO INDESTRO SNAPONTO CORNWELL MATCO WILMS,JH	19-022 7222-H 4372 IMF220 P-2222 BP226 2-622		
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Description: SOCKET: DRIVE, POWER (IMPACT), 11/16" SINGLE HEXAGON, (6 PT.), STANDARD LENGTH, 3/8" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC  
 TYPE I., CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

50	1730963	PC	CORNWELL ARMSTRON WILMS,JH INDESTRO SNAPONTO MATCO PROTOTOO	P-2224 19-024 2-624 4374 IMF240 BP246 7224H		
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Description: SOCKET: DRIVE, POWER (IMPACT), 3/4" SINGLE HEXAGON, (6 PT.), STANDARD LENGTH, 3/8" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC  
 LATEST TYPE I., CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

51	1741745	PC	COOPNEUM SNAPONTO INGERSLA	CP828 AT700C IR107X9A		
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Description: RATCHET: AIR OPERATED, 3/8" SQUARE DRIVE HEAVY DUTY, 150 RPM, 10-50 FT. LB., SPEC. # 6071, PCK. INFO: PC 1 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B100P01570

# ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
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52	1730801	PC	SNAPOUTO	IMI40		
			ARMSTRON	20-614		
			PROTOTOO	7414H		
			CORNWELL	P-3214		
			S-PROTO	UW-1614		
			MATCO	CP146		
			WILMS.JH	4-614		
			INDESTRO	1164		
			CHALLENG	7414H		

Description: SOCKET: DRIVE, POWER (IMPACT), 7/16" SINGLE HEXAGON (6 POINT), REGULAR LENGTH, 1/2" SQUARE, DRIVE, PER FED. SPEC. GGG-W-660 LATEST, TYPE 1, CLASS 1, STYLE A, OR ASME B107.2, CLASS 1, STYLE A, SPEC. NO: 3992-, PCK. INFO: PC 1 PC

53	1730802	PC	CHALLENG	7416H		
			MATCO	CP-166		
			SNAPOUTO	IMI60		
			INDESTRO	1166		
			PROTOTOO	7416H		
			WILMS.JH	4-616		

Description: SOCKET: POWER (IMPACT) DRIVE, 1/2" SINGLE HEX (6 POINT), REGULAR LENGTH, 1/2" SQUARE, DRIVE, INDUSTRIAL BLACK FINISH, MUST MEET FED. SPEC. GGG-W-660 LATEST, TYPE 1, CLASS 1, STYLE A, FOR ASME B107.2, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

54	1730803	PC	ARMSTRON	20-218		
			WILMS.JH	4-618		
			MATCO	CP186		
			PROTOTOO	7418H		
			CHALLENG	748H		
			INDESTRO	1168		
			SNAPOUTO	IMI80		

Description: SOCKET: DRIVE, POWER (IMPACT), 9/16" SINGLE HEXAGON (6 PT.), REGULAR LENGTH, 1/2" SQUARE, DRIVE, PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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55 1730804 PC

WILMS, JH 4-620  
CORNWELL P-3220  
CHALLENG 7420H  
MATCO CP206  
ARMSTRON 20-020  
INDESTRO 1170  
PROTOTOO 7420H  
SNAPONTO IM200

Description: SOCKET: DRIVE, POWER, (IMPACT), 5/8" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

56 1730805 PC

MATCO CP226  
WILMS, JH 4-622  
SNAPONTO IM220  
PROTOTOO 7422H  
CORNWELL P-3222  
INDESTRO 1172  
CHALLENG 7422-H  
ARMSTRON 20-022

Description: SOCKET: DRIVE, POWER (IMPACT), 11/16" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660, LATEST, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC

57 1730806 PC

INDESTRO 1174  
ARMSTRON 20-024  
PROTOTOO 7424H  
WILMS, JH 4-624  
SNAPONTO P-240  
MATCO CP246  
CORNWELL P3224  
CHALLENG 7424H

Description: SOCKET: DRIVE, POWER (IMPACT), 3/4" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE PER ASME B107.2, CLASS 1, STYLE A OR FED SPEC. GGG-2-660, LATEST, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PCK. INFO: PC 1 PC



SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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58	1730807	PC	MATCO	CP266		
			PROTOTOO	7426H		
			CORNWELL	P-3226		
			INDESTRO	1176		
			ARMSTRON	20-026		
			CHALLENG	7426H		
			SNAPONTO	IM260		
			WILMS,JH	4-626		

Description: SOCKET: DRIVE, POWER (IMPACT) 13/16" SINGLE HEXAGON, ( 6 PT.), REGULAR LENGTH, 1/2" SQUARE DRIVE, PER ASME B107.2, CLASS 1, STYLE A, OR FED. SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A., SPEC. NO: 3992, PCK. INFO: PC 1 PC

59	1730809	PC	SNAPONTO	IM280		
			INDESTRO	1178		
			CHALLENG	7428H		
			ARMSTRON	20-028		
			MATCO	CP286		
			WILMS,JH	4-628		
			PROTOTOO	7428H		
			CORNWELL	P-3228		

Description: SOCKET: DRIVE, POWER (IMPACT), 7/8" SINGLE HEXAGON, (6 PT.) REGULAR LENGTH, 1/2" SQUARE DRIVE, FED SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A, OR ASME B107.2, CLASS 1, STYLE A., SPEC. NO: 3992, PCK. INFO: PC 1 PC

60	1730808	PC	MATCO	CP306		
			WILMS,JH	4-630		
			SNAPONTO	IM300		
			INDESTRO	1180		
			PROTOTOO	7430H		
			ARMSTRON	20-030		
			CHALLENG	7430H		
			CORNWELL	P-3230		

Description: SOCKET: DRIVE, POWER (IMPACT), 15/16" SINGLE HEXAGON, (6 PT.), REGULAR, 1/2" SQUARE DRIVE, PER ASME B107.2, CLASS 1, STYLE A, OR FED. SPEC. GGG-W-660, LATEST TYPE 1, CLASS 1, STYLE A., SPEC. NO: 3992, PCK. INFO: PC 1 PC

ATTACHMENT C  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered
61	1730810	PC	CORNWELL	P-3232		
			ARMSTRON	20-032		
			PROTOTOO	7432H		
			SNAPONTO	IM320		
			CHALLENG	7432H		
			MATCO	CP326		
			WILMS, JH	4-632		
			INDESTRO	1182		
			SOCKET: DRIVE, POWER DRIVE, 1" HEXAGON,, 6 PT., 1-1/2" SOCKET LENGTH, 1/2" Description: DRIVE,, FED. SPEC. GGG-W-660, ITERIM AMEND. 3,, TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992/6071, PK. INFO: PC 1 PC			
62	1730816	PC	ARMSTRON	20-034		
			PROTOTOO	7434H		
			CHALLENG	73434H		
			SNAPONTO	IM340		
			MATCO	CP346		
			WILMS, JH	4-634		
			INDESTRO	1184		
			CORNWELL	P-3234		
			SOCKET: DRIVE, POWER (IMPACT), 1-1/16" SINGLE HEXAGON, 6 PT., REGULAR LENGTH, Description: 1/2" SQUARE DRIVE. PER ASME B107.2, CLASS 1, STYLE A OR FED. SPEC. GGG-W-660 LATEST TYPE 1, CLASS 1, STYLE A., SPEC. NO: 3992, PK. INFO: PC 1 PC			
63	1730811	PC	CORNWELL	P3236		
			SNAPONTO	IM360		
			INDESTRO	1186		
			ARMSTRON	20-036		
			PROTOTOO	7436-H		
			WILMS, JH	4-636		
			MATCO	CP366		
			SOCKET: DRIVE, POWER (IMPACT), 1-1/8" SINGLE HEXAGON, (6 PT.), REGULAR LENGTH, Description: 1/2" SQUARE DRIVE GGG-H-660 LATEST, TYPE 1, CLASS 1, STYLE A., OR ASME B107.2, CLASS 1, STYLE A., SPEC. NO: 3992, PK. INFO: BX 6 PC			

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
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64	1738070	PC	CORNWELL	P-3240	
			SNAPONTO	IM-400	
			WILMS, JH	4-640	
			PROTOTOO	7440H	
			MATCO	CP 406	
			ARMSTRON	20-040	
			CHALLENG	7440H	
			INDESTRO	1190	

SOCKET: DRIVE, POWER (IMPACT), 1-1/4", SINGLE HEX (6 POINT), REGULAR LENGTH,  
Description: 1/2" SQ. DRIVE, PER ASME B107.2, CLASS 1, STYLE A, OR FED SPEC. GGG-2-660 LATEST,  
TYPE 1, CLASS 1, STYLE A, SPEC. NO: 3992, PK. INFO: PC 1 PC

65	1732145	PC	CRAFTSMA	9RY4322	
			CHALOR	1665	
			INDESTRO	3230	
			CORNWELL	E-3-2	
			WILMS, JH	S-102-P	
			PROTOTOO	12-921	
			SNAPONTO	SK-2	

BAR: EXTENSION, HAND, 1/2" SQUARE DRIVE,, 2" MINIMUM FED. SPEC. GGG-W-641  
Description: LATEST,, TYPE IV, (ATTACHMENT) CLASS 4 (BAR EXT.), STYLE A (SOLID),, SPEC. NO:  
3991/6071, PK. INFO: PC 1 PC

66	1732147	PC	PROTOTOO	5261-1/2	
			CHALOR	1666	
			SNAPONTO	SK5	
			INDESTRO	3216	
			CRAFTSMA	9RY44131	
			MATCO	CSE	
			ARMSTRON	12-923	
			WILMS, JH	S-110P	
			CORNWELL	E-3-5	

BAR: EXTENSION, HAND TYPE, 1/2" SQUARE, DRIVE, 5" LONG, FED. SPEC. GGG-W-641,  
Description: LATEST, TYPE IV, (ATTACHMENT), CLASS 4,, (BAR EXT), STYLE A, (SOLID),, SPEC.  
NO: 3991/6071, PK. INFO: BK 4 PC

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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67	1732148	PC	CRAFTSMA ARMSTRON CORNWELL SNAPONTO CHALGER INDESTRO MATCO WILMS, JH	9RY44132 12-924 E-3-10 SK10 1667 3211 C10E S115P		
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Description: BAR: EXTENSION, 1/2" SQUARE, DRIVE 10", LONG PER FED. SPEC. GGG-W-641 LATEST,,  
TYPE IV, CLASS 4, EXTENSION BAR, STYLE, A SOLID,, SPEC. NO: 3991/6071, PC.  
INFO: BX 4 PC

68	1731771	PC	SNAPONTO WILLIAMST INDESTRO CHALLENG CRAFTSMA STANLYTO MATCO	LS 71A S-52A 6472 1660 9RY44985 89-819 CR11		
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Description: WRENCH: RATCHET, REVERSIBLE, 1/2", SQUARE DRIVE,, FED. SPEC. GGG-W-641 LATEST,  
TYPE III,, (HANDLE), CLASS 2,, SPEC. NO: 3991, REV. NO:  
DATE:, DRAW. NO:, REV. NO: DATE:, BULL. NO:, REV. NO:  
PAT. NO:, PRV. ITEMID:, PC. INFO: BX 3 PC

69	1732566	PC	CRAFTSMA CHLGER SNAPONTO PROTOTOO INDESTRO ARMSTRON WILMS, JH MATCO	9RY44202 1668 SN18A 5467 3223 12-917 S-41 C18FM		
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Description: BAR: BREAKER, 1/2" SQUARE DRIVE, MIN., 14", MAX. 19", SPEC. NO: 3991/6071,  
PC. INFO: BOX 2 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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70	1730935	PC	CRAFTSMA ARMSTRON PROTUTOO CORNWELL WILMS, JH SNAPONTO INDESTRO CHALGR MATCO	9RY4425 12-947 5470 UJ-3 S-140A S8 3217 1680 C3U		
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Description: JOINT: UNIVERSAL, HAND TYPE, 1/2", SQUARE DRIVE., FED. SPEC. GGG-W-641, TYPE IV,,  
4 PC (ATTACHMENT), CLASS 2 (UNIVERSAL JOINT), SPEC. NO: 3991/6071, PCK. INFO: BX

71	1732555	PC	SNAPONTO	SN-4-A		
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Description: SPEAKER: BRACE TYPE, WITH HINGED 1/2", SQUARE DRIVE, OVERALL LENGTH 16" TO, 20",  
SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

72	1730113	PC	SNAPONTO CORNWELL SEARSROB MATCO WILMS, JH CRAFTSMA PROTUTOO ARMSTRON CHALGR INDESTRO	TW121 T-3212 RY 44053 C126 ST-612 RY44053 5412H 12-012 1612H 1212-H		
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Description: SOCKET: HAND, 3/8", 6 PT., 1/2", SQUARE DRIVE, LENGTH APPROX. 1-1/2", FED. SPEC.  
GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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73	1730114	PC	ARMSTRON	12-014		
			CHALLENG	1614H		
			PROTOTO	5414H		
			INDESTRO	1214-H		
			MATCO	CI46		
			SNAPONTO	TW141		
			CRAFTSMA	9RY44054		
			WILMS, JH	ST-614		
			CORNWELL	T-3214		

Description: SOCKET: HAND, 7/16", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH 1-1/2", APPROX.  
 FED. SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO: 3991/6071,  
 PCK. INFO: PC 1 PC

74	1730112	PC	WILMS, JH	ST-616		
			SNAPONTO	TW161		
			CRAFTSMA	9RY44055		
			PROTOTO	5416H		
			MATCO	CI66		
			INDESTRO	1216-H		
			CHALGER	1616H		

Description: SOCKET: HAND, 1/2", 6 PT., REGULAR, LENGTH, 1/2" SQUARE DRIVE., FED. SPEC. GGG-W-  
 641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC  
 1 PC

75	1730111	PC	WILMS, JH	ST-618		
			SNAPONTO	TW181A		
			MATCO	CI86		
			PROTOTO	5418H		
			INDESTRO	1218 H		
			CRAFTSMA	9RY44056		
			ARMSTRON	12-018		
			CHALGER	1618H		

Description: SOCKET: HAND, 9/16", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH, APPROX., 1-1/2"  
 LONG., FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO:  
 3991/6071, PCK. INFO: BOX 6 PC

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UDM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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76	1730117	PC	CRAFTSMA SNAPONTO ARMSTRON MATCO INDESTRO PROTOTOO CORNWELL WILMS, JH CHALLENG	9RY44057 TW201 12-020 C206 12 0 H 5420H T-3220 ST-620 1620H		
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Description: SOCKET: HAND, 5/8", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A, SPEC. NO: 3991, PCK. INFO: PC 1 PC

77	1730120	PC	ARMSTRON WILMS, JH CORNWELL CRAFTSMA PROTOTOO INDESTRO CHALGR SNAPONTO MATCO	12-022 ST-622 T-3222 9RY44058 5422H 1222H 1622H TW221 C226		
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Description: SOCKET: HAND, 11/16", 6 PT., REGULAR LENGTH, 1/2" SQUARE DRIVE., FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO:

78	1730115	PC	SNAPONTO INDESTRO MATCO PROTOTOO CORNWELL CRAFTSMA ARMSTRON WILMS, JH CHALGR	TW241 1224-H C246 5424H T-3224 9RY44059 12-024 ST-624 1624H		
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Description: SOCKET: HAND, 3/4" 6 PT., 1/2" SQUARE DRIVE, REGULAR LENGTH, 1-1/2" APPROX., FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A, SPEC. NO: 3991, PCK. INFO: PC 1 PC

CONTRACT NO. B100P01570

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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79	1730116	PC	ARMSTRON	12-026		
			PROTOTO	5426H		
			CRAFTSMA	9RY44063		
			CORNWELL	T-3226		
			MATCO	C266		
			INDESTRO	1226H		
			WILMS, JH	ST-626		
			SNAPONTO	TW261		
			CHALLENG	1626H		

Description: SOCKET: HAND, 13/16", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH., FED. SPEC. GGG-  
W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO:

80	1730118	PC	CHALLENG	1628H		
			SNAPONTO	TW281		
			INDESTRO	1228H		
			MATCO	C286		
			ARMSTRON	12-028		
			CRAFTSMA	9RY44064		
			WILMS, JH	ST-628		
			PROTOTO	5428H		
			CORNWELL	T-3228		

Description: SOCKET: HAND, 7/8", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH., FED. SPEC. GGG-W-  
641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC

81	1730110	PC	PROTOTO	5430H		
			INDESTRO	1230-H		
			CHALGR	1630 H		
			SNAPONTO	TW301		
			CRAFTSMA	9RY44065		
			MATCO	C306		
			ARMSTRON	12-030		
			CORNWELL	T-3230		
			WILMS, JH	ST-630		

Description: DRIVE: FED SPEC. GGG-W-641 LATEST, TYPE II, CLASS 1, STYLE A., SPEC. NO:  
3991/6071, PCK. INFO: PC 1 PC

SOCKET: HAND, 15/16", 6 PT., STANDARD, LENGTH, 1-1/2" APPROX., 1/2" SQUARE,  
3991/6071, PCK. INFO: PC 1 PC



**TESTING CONDITIONS**

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A

CONTRACT NO. B10OP01570

ATTACHMENT C  
CTA LOT# 1731815

Line No.	Item No.	UOM	Prior	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
82	1730119	PC		PROTOTOO	5432H		
				INDESTRO	1232-H		
				WILMS, JH	ST-632		
				CORNWELL	T-3232		
				CRAFTSMA	9RY44066		
				SNAPONTO	TW321		
				MATCO	C326		
				ARMSTRON	12-032		
				CHALGER	1632 H		
				SOCKET: HAND, 1", 6 PT., 1/2" SQUARE, DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641			
83	1730121	PC		SNAPONTO	TW341		
				CORNWELL	T-3234		
				PROTOTOO	5434H		
				MATCO	C346		
				CRAFTSMA	9RY44067		
				WILMS, JH	ST-634		
				INDESTRO	1234-H		
				ARMSTRON	12-034		
				SOCKET: HAND, 1-1/16", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC			
84	1730122	PC		INDESTRO	1236H		
				CORNWELL	T-3236		
				WILMS, JH	ST-636		
				SNAPONTO	TW361		
				CRAFTSMA	9RY44068		
				PROTOTOO	5436H		
				MATCO	C366		
				ARMSTRON	12-036		
				SOCKET: HAND, 1-1/8", 6 PT., 1/2", SQUARE DRIVE, REGULAR LENGTH, FED. SPEC. GGG-W-641 LATEST, TYPE II., CLASS 1, STYLE A., SPEC. NO: 3991/6071, PCK. INFO: PC 1 PC			

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
 CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
85	1738002	PC	CORNWELL SNAPONTO MATCO ARMSTRON PROTOTOO INDESTRO WILLIAMST CRAFTSMA	T-3240 UH401 C406 12-040 5440H 1240H ST-640 9RY44069	
SOCKET: HAND, 1-1/4" 6 PT, STANDARD 1/2" SQUARE DRIVE, CHROME, FED. SPEC. GGG-3991/6071, PK. INFO: BX 6 PC Description: W-641 LATEST, TYPE II, CLASS 2., STYLE A, EXCEPT SINGLE HEXAGON., SPEC. NO:					
86	1731131	PC	SNAPONTO CORNWELL	XS-810A BW-0810S	
WRENCH: BOX, 1/4" X 5/16", 12 PT., 16, DEGREE OFFSET EACH END, SHORT LENGTH, (4", MAX. 5"), FED. SPEC. GGG-W-636, LATEST, TYPE I, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC					
87	1731345	PC	SNAPONTO CORNWELL MARTIN FARNITTO	XS 1012 BW-1012S 9721 9721	
WRENCH: BOX, DOUBLE HEAD, 5/16" X 3/8", OPENING, 12 POINT, DEEP DOUBLE OFFSET, SHORT LENGTH, OVERALL LENGTH MIN. 4", MAX. 5", FED. SPEC. GGG-W-636 LATEST, TYPE I, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC					
88	1731346	PC	MARTIN SNAPONTO WILMS,JH ARMSTRON CORNWELL MATCO PROTOTOO	9723 XS-1214 6723 26-543 BW-1214S WED1214 8160	
WRENCH: BOX, 3/8" X 7/16" OPENING, 12, PT., DOUBLE OFFSET DEEP, SHORT LENGTH, (MIN. 4-1/4", MAX. 5-1/4"), FED. SPEC. GGG-W-636 LATEST, TYPE I., CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PK. INFO: PC 1 PC					

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
89	1731348	PC	CORNWELL MATCO MARTIN INDESTRO WILMS, JH SNAPONTO	BW-1618S WED1618 9725B 752 6725-B XS-1618A	
WRENCH: BOX, 1/2" X 9/16" OPENING, 12 PT., DOUBLE HEAD, 15 DEG. OFFSET, EACH Description: END, SHORT LENGTH, (MIN. 5" MAX. 6"), FED. SPEC. GGG-W-636 LATEST., TYPE I, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC					
90	1731350	PC	WILMS, JH INDESTRO MARTIN SNAPONTO KAL/TOOLS MATCO CORNWELL	9729 753A 9729 XS-2024 2332 WED2024 BW-2024S	
WRENCH: BOX, DOUBLE HEAD, 5/8" X 3/4", 12 PT., DOUBLE OFFSET SHORT LENGTH, Description: OVERALL LENGTH MIN. 5-3/4" - MAX. 6-3/4", FED. SPEC. GGG-W-636 LATEST., TYPE I, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC					
91	1731352	PC	CORNWELL SNAPONTO	BW-2226S XS-2226	
WRENCH: BOX, 11/16" X 13/16", 12 PT., DOUBLE OFFSET SHORT LENGTH APPROX., 6- Description: 1/2", FED. SPEC. GGG-W-636 LATEST., TYPE I, CLASS 1, STYLE 2., SPEC. NO: 4367/6071, PCK. INFO: PC 1 PC					
92	1741090	PC	IDEALIND MATCO SNAPON	34-002 FTI FZ4B	
FULLER: FUSE, POCKET SIZE, 5 LAMINATIONS, LENGTH 7-1/2", SPEC. NO: 6071, PCK. Description: INFO: BX 10 PC					

BOX: TOOL, 17-1/2" X 4-3/4" X 1-1/2", METAL W/COVER, DIVIDERS AND LATCHES.,  
Description: SPEC. NO: 6071, PCX. INFO: PC 1 PC

SCREWDRIIVER: HAND, STRAIGHT, PLASTIC HANDLE, NO. 1 PHILLIPS TIP, 3/16" DIA. BLADE  
Description: 3" LONG, FED. SPEC. GGG-S-121 LATEST, TYPE VI, (CROSS TIP STRAIGHT), CLASS 1,  
SPEC. NO: 4330, PKG. INFO: PC 1 PC

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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100	1740166	PC	WILMS,JH CRAFTSMA EXLITE SNAPONTO S-PROTO VACOPROD MATCO GREATNEC STANLYTO	DP-2 9RY41295 X 102 UDP142 64-102 P2 SDM84P2 RA44C 65-322		
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Description: SCREWDRIVER: HAND, STRAIGHT, PLASTIC HANDLE, #2 PHILLIPS TIP, 1/4" DIA. BLADE 4"  
LONG, OVERALL LENGTH APPROX. 8" , FED SPEC. GGG-S-12 LATEST, TYPE VI, CLASS 1,  
SPEC. NO: 4330, PCK. INFO: BX 6 PC

101	1740167	PC	CRSENTO MATCO WILMS,JH SNAPONTO CRAFTSMA STANLYTO MAYFAIR S-PROTO	303-#3 SDM106P3 DP-3 UDP163 9RY41303 65-323 4000-6 64-103		
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Description: SCREWDRIVER: HAND #3 PHILLIPS TIP, PLASTIC HANDLE, BLADE DIA. 5/16", BLADE LENGTH  
6", OVERALL LENGTH 10-1/2" APPROX., FED. SPEC. GGG-S-121 LATEST, TYPE VI, CLASS  
1, SPEC. NO: 4330/6071, PCK. INFO: BX 6 PC

102	1740171	PC	MATCO AAAROWR IRWINCO SNAPONTO	SDM61P1 74301 4000-1-1 SSDP-21		
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Description: SCREWDRIVER: HAND, CLOSE QUARTER,, PHILLIPS TIP, NO. 1, 3/16" DIA., BLADE, LENGTH  
APPROX. 1" LONG, PLASTIC HANDLE, SPEC. NO: 4330, PCK. INFO: PC 1 PC

**GENERAL CONDITIONS**

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**

**CONTRACT NO. B100P01570**

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ATTACHMENT C  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered

103 1740190 PC

VACOPROD	A-132
TRUCRAFT	5102
XCELITE	S141V
SNAPONTO	UDS101
CRAFTSMA	9RY4151
GREATNEC	AA22C
KLEINTOO	600-1
STANLYTO	66-261
MATCO	SDM82

SCREWDRIVER: HAND, TYPE 1, FLAT TIP., CLASS 3, CLOSE QUARTER, PLASTIC HANDLE., 1-1/2" NOMINAL LENGTH BLADE, 1/4" ROUND, OR SQUARE. 1/4" X .037" TIP. FED., SPEC.GOG-S-121 LATEST, SPEC. NO: 4330, PCK. INFO: PC 1 PC.

104 1740147 PC

MATCO	PSD1
SNAPONTO	SSD204
CRAFTSMA	941421
STANLYTO	66-101
XELITE	R-181
VACOPROD	A-230-2
CRENTO	543-2

SCREWDRIVER: FLAT TIP, PLASTIC HANDLE,, POCKET CLIP. 1/8" DIAM. BLADE, 2" LONG.,  
Description: 1/8" WIDE TIP, SPEC. NO: 4330, PCK. INFO: PC 1 PC

105 1740192 PC

STANLYTO	66-164
SNAPONTO	UDS104
VACOPROD	A416-4
CRAFTSMA	9RY41583
EXLITE	R144
MATCO	SDMR84

SCREWDRIIVER: HAND, FLAT TIP, GENERAL PURPOSE, PLASTIC HANDLE, 1/4" DIA. BLADE 3-Description: 1/2" TO 4" LONG, 1/4" X .037", FLAT TIP, OVERALL LENGTH 7-3/4" APPROX., SPEC. NO: 4330. PCK. INFO: BX 6 PC

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
 ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
 CTA LOT# 1731815  
 CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
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106	1740193	PC	CRAFTSMA XCELITE IRWINCO MATCO SNAPONTO STANLYTO	9RY41584 RS166 73906 SDMR106ED UDS106 66-166	
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SCREWDRIER: HAND, FLAT TIP, GENERAL, PURPOSE, FLARED, SIDE PLASTIC HANDLE,,  
 Description: HEAVY DUTY BOLSTER, 5/16" DIA. BLADE, 6" LONG, 5/16" X 0.42" TIP, SPEC. NO: 4330, PCK. INFO: PC 1 PC

107	1740194	PC	XCELITE MATCO TRUCRAFT VACOPROD CRAFTSMA	R388 S0106C 5408 ED408 9-41587	
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SCREWDRIER: HAND, FLAT TIP, GENERAL PURPOSE, 3/8" DIA. BLADE, LENGTH OF BLADE  
 Description: 8", FLARED SIDES, PLASTIC HANDLE., FED. SPEC. GGG-S-121 LATEST AMENDMENT., TYPE I, CLASS 5, DESIGN A, SPEC. NO: 4330, PCK. INFO: PC 1 PC

108	1741171	PC	SNAPONTO ARMSTRON CRAFTSMA PROTOTOO INDESTRO ULLMAN MATCO	SS-9A 66-924 9-41024 9853 4787 D-2 SS2M-6	
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SCREW: STARTER WITH MAGNET HAND, METAL HANDLE 9/32" X .032" TIP, APPROX. 6" LONG  
 Description: BLADE. FED. SPEC. GGG-S-121 LATEST, TYPE III, CLASS 2. SPEC. NO: 4330/6071  
 PCK. INFO: BX 5 PC



CONTRACT NO. B100P01570

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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109	1728857	PR	PROTOTOO MATCO CRAFTSMA DIAMALLO CHAMPNTO SNAPONTO	263 SG PM1P 9RY45381 HL-110 420 CD48CP		
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PLIERS: SLIP JOINT, RUBBER OR INSULATED, HANDLE, ANGLE NOSE, WITHOUT CUTTER, 4  
Description: OR, MORE ADJUST., MULTIPLE TONGUE & GROOVE, OVERALL LENGTH 9" TO 11". JAW  
CAPACITY, 1-3/8" MINIMUM, SPEC. NO: 4330/6071, PCK. INFO: CT 50 PR

110	1728858	PR	PROTOTOO WILMS JH CRAFTSMA DIAMALLO SNAPONTO MATCO CRENITTO	226-01G PL-77C 9RY45082 SN57 196CP PM2P 654		
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PLIER: ROUND, LONG NEEDLE NOSE, WITH SIDE WIRE CUTTERBOW HANDLES, 7" LONG, FED.  
Description: SPEC. GGG-P-471 LATEST, TYPE XI, CLASS I, (LONG NOSE), STYLE A (WITH CUTTER),  
SPEC. NO: 4330, PCK. INFO: CART 50 PR

111	1728859	PR	EASCOTOO MATCO DIAMALLO SNAPONTO WILMS JH BLACKHAM CRAFTSMA GREATNEC WILLIAMST	45-602 437G SS-57 387ACP 57 PT1060 9RY45073 D-75 PL-57C		
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PLIER: DIAGONAL CUTTER, HEAVY DUTY, 7" LONG, SPEC. NO: 4330, PCK. INFO:  
Description: CART 50 PR



CONDITIONS

SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A  
ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET  
CTA LOT# 1731815  
CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered
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116	1742051	PC	ROOTEROS CRAFTSMA MATCO SNAPONTO WILMS JH	415-74002 9RY40541 PC125 PPC-4A P-42		
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Description: PUNCH: CENTER, 3/16", POINT, TAPERED, SQUARE HEXAGONAL OR OCTO-SQUARE STOCK, 6"  
Description: LONG, SPEC. # 6071, PCK. INFO: PC 1 PC

117	1728475	PC	SNAPONTO STANLEYTO MATCO BALTO MAYHEM DASCO CRAFTSMA	PPC-816A 743 LC166 104 1/2 70205 405 9RY42973		
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Description: CHISEL: FLAT, COLD, FORGED ALLOY STEEL,, HEAT TREATED, 1/2" EDGE,, 7/16" MINIMUM STOCK, APPROX. 6" LONG, FED. SPEC. GGG-C-313, TYPE IV,, CLASS 1. (REG. LENGTH)  
Description: NO:,, REV. NO:,, DATE:,, BULL. NO:,, REV. NO:,,  
DATE:,, PAT. NO:,, PRV. ITEMID:,, PCK. INFO: PC 1 PC

118	1740586	PC	TRUETEMP VALIUS SNAPONTO CRAFTSMA MATCO VALLEYTO STANLEYTO	12012 VB-2012 BP12B 938464 BH12 12BPS 54-012		
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Description: HAMMER: MACHINISTS, WEIGHT 12 OZ., BALL, PEIN, POLISHED FACE AND PEIN, FED. SPEC. GGG-H-86, LATEST AMENDMENT,, TYPE II, CLASS 1, STYLE A (HICKORY, HANDLE),  
SPEC. NO: 4330, PCK. INFO: BX 6 PC

ATTACHMENT C RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET

CTA LOT# 1731815

CONTRACT NO. B100P01570

Line No.	Item No.	UOM	Manufacturer's Name	Part Number	Manufacturer's Part No. Offered
119	1725424	PC	NICHOLSO WOODMILL COLLAR FEDFILE SIMNDSTO MATCO	08704 MM10MS EM10MS MS-10R 73-148500 MBF10	

FILE: HAND, AMERICAN PATTERN, TYPE XIII, MILL. CLASS 2, REGULAR, STYLE C, SMOOTH,  
Description: CUT, LENGTH 10"., SPEC. NO: 566/6071, PK. INFO: PC 1 PC

\*\*\*End of Report\*\*\*

# **CHICAGO TRANSIT AUTHORITY**

## **DETAIL SPECIFICATION FOR TOOL SETS**

### **SPECIFICATION NO. CTA 6071-11A**

#### **1. SCOPE**

- 1.1 This specification will describe the requirements for a Contractor to furnish various tool sets that will be used by Chicago Transit Authority's (CTA) bus and rail car mechanics and/or technicians.
- 1.2 Tool sets covered by this specification include the following:
- Type I Tool Set: CTA Item Number 1731813, Bus mechanics and/or technicians tool set, reference Addendum A.
  - Type II Tool Set: CTA Item Number 1731814, Rail Car mechanics and/or technicians supplemental tool set, reference Addendum B.
  - Type III Tool Set: CTA Item Number 1731815, Rail Car mechanics and/or technicians basic tool set, reference Addendum C.

#### **2. REFERENCED DOCUMENTS**

- 2.1 The following CTA specifications make up a part of this specification as referenced herein. The current revision at the time of invitation for bid shall apply.

CTA 416:	Chisels, Various Types & Sizes
CTA 566:	Files and Rasps, Hand
CTA 3480:	Tool Set: Socket Wrench, w/ Box, 1/4" Square Drive, Inch Series
CTA 3991:	Socket Wrenches, Hand Type, Inch/Metric
CTA 3992:	Sockets, Power Drive (Impact) & Related Attachments, Inch/Metric
CTA 4256:	Taps and Dies, Thread Cutting
CTA 4330:	Hand Tools, Hammers, Mallets, Screwdrivers Pliers & Nutdrivers
CTA 4367:	Wrenches, Hand, Inch/Metric
CTA 6174:	Digital Electrical Handheld Multimeters

## 2. REFERENCED DOCUMENTS (Contd.)

CTA 6071-11A

### 2.1 (Contd.)

CTA 6825 Padlocks

## 3. REQUIREMENTS

- 3.1 Provided tool sets shall comply with all applicable AISI/ASME standards and Federal Specifications indicated in the referenced CTA specifications. Tools not covered by a specification or standard shall be equal in design, quality, performance and finish to the example(s) specified in the Contract Documents.
- 3.2 Provided tool sets shall be marked with the manufacturer's name or symbol/logo, size of tool, and country of origin.
- 3.3 The 15 piece 1/4" drive socket tool set, CTA Item No. 1731812, furnished in the 1731815 tool set listed in Addendum C, shall meet the requirements specified in CTA specification CTA 3480.
- 3.4 All metric and SAE (inch) series hand sockets, socket attachments, and handles furnished in the kits shall meet the requirements specified in CTA specification CTA 3991.
- 3.5 All metric and SAE (inch) series impact sockets and related attachments furnished in the kits shall meet the requirements specified in CTA specification CTA 3992.
- 3.6 All metric and SAE (inch) series hand wrenches furnished in the kits shall meet the requirements specified in CTA specification CTA 4367.
- 3.7 All metric and SAE (inch) series nutdrivers, hammers/mallets, pliers, and screwdrivers furnished in the kits shall meet the requirements specified in CTA specification CTA 4330.
- 3.8 All chisels furnished in the kits shall meet the requirements specified in CTA specification CTA 416.
- 3.9 All metal threading taps and dies furnished in the kits shall meet the requirements specified in CTA specification CTA 4256.
- 3.10. Drill bits shall be made from High Speed Steel and meet the current National Aircraft Standard NAS 907.
- 3.11. All files and rasps furnished in the kits shall meet the requirements specified in CTA specification CTA 566.

**3. REQUIREMENTS (Contd.)**

- 3.12 Digital electrical meters furnished in the kits shall meet the requirements specified in CTA specification CTA 6174.
- 3.13 All taps and dies furnished in the kits shall meet the requirements specified in CTA specification CTA 4256.
- 3.14 All padlocks furnished in the kits shall meet the requirements specified in CTA specification CTA 6825.

**4. APPROVED AND NON-APPROVED ITEM INFORMATION**

- 4.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract.
- 4.2 Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process.
- 4.3 The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures.
- 4.4 Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

**5. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS**

- 5.1 Refer to Contract Document for information regarding quantity, packaging and shipping requirements.
- 5.2 Potential bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract Document.
- 5.3 Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator.
- 5.4 Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

Distribution: Mgr., Tech. Support - WS  
Mgr., Tech. Services - Bus  
Mgr., Tech. Services - Rail  
Coord., Quality. Insp.

Initial Spec. - 9/22/88  
LR/lr - 11th Revision - 1/31/11

CTA 6071-11A



BUS MECHANICS AND/OR TECHNICIANS TOOL SET (CTA ITEM # 1731813)			
ITEM DESCRIPTION	SPEC.#	SIZE	CTA LOT #
BOX, TOOL, W/ TOTE TRAY			1744259
SCREW DRIVER, PHILLIPS, 3" BLADE	4330	No. 1 Phillips Tip	1740165
SCREW DRIVER, PHILLIPS, 4" BLADE	4330	No. 2 Phillips Tip	1740166
SCREW DRIVER, PHILLIPS, 6" BLADE	4330	No. 3 Phillips Tip	1740167
SCREW DRIVER, PHILLIPS, STUBBY	4330	No.1 Phillips Tip	1740171
SCREW DRIVER, 1 1/2" BLADE	4330	Flat Tip	1740190
SCREW DRIVER, 2" BLADE, CLIP	4330	Flat Tip	1740147
SCREW DRIVER, 4" BLADE	4330	Flat Tip	1740192
SCREW DRIVER, 8" BLADE	4330	Flat Tip	1740193
SCREW DRIVER, 6" BLADE	4330	Flat Tip	1740194
SCREW STARTER	4330	2 3/4" Long	1741170
PLIERS, GRIPPING, CHANNEL LOCK	4330	9-11" Long	1728857
PLIERS, NEEDLE NOSE, W/ SIDE CUTTER	4330	7" Long	1728858
PLIERS, DIAGONAL CUTTER, HD	4330	7" Long	1728859
PLIERS, VISE GRIP, W/ CUTTER	4392	10" Long	1731953
PINCH BAR		16" Long	1740024
PUNCH, PIN, TAPERED		5" Long min.	1742072
PUNCH, PIN, TAPERED		9" Long	1742082
PUNCH, CENTER		6" Long	1742051
CHISEL, COLD, FLAT	416	6" Long	1728475
HAMMER, BALL PEEN	4330	12 Ounce	1740586
FILE, FLAT MACHINE	566	10"	1725424
FUSE PULLER		7 1/2" Long	1741090
KNIFE, PUTTY			1740943
FOLDING HEX KEY (SMALL SET)		.050" To 3/16"	1739427
FOLDING HEX KEY (LARGE SET)		3/16" To 3/8"	1739428
BOX, TOOL, SOCKET SET			1754254
PADLOCK W/ 2 KEYS	6825		1905032
BOX, TOOL, 1/4" DR. SET			1744258
EXTENSION BAR, 1/4" DR.	3991	2"	1732125
EXTENSION BAR, 1/4" DR.	3991	6"	1732126
PLASTIC GRIP HANDLE, 1/4" DR.	3991		1732667
RATCHET WRENCH, 1/4" DR.	3991		1731770
UNIVERSAL JOINT, 1/4" DR.	3991		1730937
SOCKET, DOUBLE SQUARE, 1/4" DR.	3991	1/4"	1730001
SOCKET, DOUBLE SQUARE, 1/4" DR.	3991	5/16"	1730002
SOCKET, DOUBLE SQUARE, 1/4" DR.	3991	3/8"	1730377
SOCKET, SINGLE HEX, 1/4" DR.	3991	5/16"	1730020

**Addendum A (Contd.)**

<b>BUS MECHANICS AND/OR TECHNICIANS TOOL SET (CTA ITEM # 1731813 (Contd.))</b>			
<b>ITEM DESCRIPTION</b>	<b>SPEC.#</b>	<b>SIZE</b>	<b>CTA LOT #</b>
SOCKET, SINGLE HEX, 1/4" DR.	3991	1/4"	1730017
SOCKET, SINGLE HEX, 1/4" DR.	3991	3/8"	1730021
SOCKET, SINGLE HEX, 1/4" DR.	3991	7/16"	1730022
EXTENSION BAR, 3/8" DR.	3991	1/2"	1730023
EXTENSION BAR, 3/8" DR.	3991	3"	1732135
EXTENSION BAR, 3/8" DR.	3991	6"	1732136
RATCHET WRENCH, 3/8" DR.	3991	12"	1732138
UNIVERSAL JOINT, 3/8" DR.	3991		1731773
SOCKET, SINGLE HEX, 3/8" DR.	3991		1730936
SOCKET, SINGLE HEX, 3/8" DR.	3991	1/4"	1730050
SOCKET, SINGLE HEX, 3/8" DR.	3991	5/16"	1730051
SOCKET, SINGLE HEX, 3/8" DR.	3991	3/8"	1730054
SOCKET, SINGLE HEX, 3/8" DR.	3991	7/16"	1730057
SOCKET, SINGLE HEX, 3/8" DR.	3991	1/2"	1730052
SOCKET, SINGLE HEX, 3/8" DR.	3991	9/16"	1730053
SOCKET, SINGLE HEX, 3/8" DR.	3991	5/8"	1730058
SOCKET, SINGLE HEX, 3/8" DR.	3991	11/16"	1730059
EXTENSION BAR, 1/2" DR.	3991	3/4"	1730055
EXTENSION BAR, 1/2" DR.	3991	2"	1732145
EXTENSION BAR, 1/2" DR.	3991	5"	1732147
RATCHET WRENCH, 1/2" DR.	3991	10"	1732148
BAR, BREAKER, 1/2" DR.	3991		1731771
UNIVERSAL JOINT, 1/2" DR.	3991	14-19" Long	1732566
WRENCH, BOX END, DOUBLE HEX. DWARF	3991		1730935
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	1/4" & 5/16"	1731131
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	5/16" & 3/8"	1731345
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	3/8" & 7/16"	1731346
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	1/2" & 9/16"	1731348
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	5/8" & 3/4"	1731350
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	4367	11/16" & 13/16"	1731352
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	7/16"	1730801
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1/2"	1730802
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	9/16"	1730803
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	5/8"	1730804
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	11/16"	1730805
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	3/4"	1730806
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	13/16"	1730807
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	7/8"	1730809
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	15/16"	1730808
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1"	1730810
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1 1/16"	1730816
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1 1/8"	1730811
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	1 1/4"	1738070
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	3/8"	1730961
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	7/16"	1738066
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	1/2"	1738067
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	9/16"	1738068

**Addendum A (Contd.)**

CTA 6071-11A

<b>BUS MECHANICS AND/OR TECHNICIANS TOOL SET (CTA ITEM # 1731813 (Contd.))</b>			
<b>ITEM DESCRIPTION</b>	<b>SPEC.#</b>	<b>SIZE</b>	<b>CTA LOT #</b>
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	5/8"	1738069
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	11/16"	1730962
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	3/4"	1730963
RATCHET, AIR, 3/8" SQ. DR.			1741745
BAR, PINCH		3/4" Stock, 7/8" Edge X 20" Long	1740023
CHISEL, COLD, FLAT	416	11/16" Stock, 7/8" Edge X 7-1/2" Long	1728484
CHISEL, COLD, FLAT	416	3/4" Stock X 18" Long	1728471
PUNCH, PIN, TAPERED		3/32" Point X 4" (min.) Long	1742052
PUNCH, BRASS		3/4" X 10" Long	1742204
SCREW DRIVER	4330	18" Blade X 1/2" Tip	1740199
HAMMER, BALL PEEN	4330	1 1/2 Lb	1740588
HAMMER, BALL PEEN	4330	3 Lb	1740589
NUT SPINNER, 3/8" DR.	3991	10" Long	1732565
WRENCH, PIPE	4367	10"	1731762
BRUSH, WIRE	387		1900268
CUTTER, TUBING			1728646
FRAME, HACK SAW			1740455
PULLER, COTTER PIN			1742527
WRENCH, OPEN END, ANGLE HEAD	4367	3/8"	1739419
WRENCH, OPEN END, ANGLE HEAD	4367	1/2"	1731749
WRENCH, OPEN END, ANGLE HEAD	4367	7/16"	1739420
WRENCH, OPEN END, ANGLE HEAD	4367	9/16"	1731751
WRENCH, OPEN END, ANGLE HEAD	4367	5/8"	1731750
WRENCH, OPEN END, ANGLE HEAD	4367	11/16"	1739421
WRENCH, OPEN END, ANGLE HEAD	4367/	3/4"	1739422
WRENCH, FLARE NUT, SINGLE HEX, DOUBLE END		1/4" & 5/16"	1720082
WRENCH, FLARE NUT, SINGLE HEX, DOUBLE END		3/8" & 7/16"	1720081
WRENCH, FLARE NUT, SINGLE HEX, DOUBLE END	4392	1/2" & 9/16"	1731367
WRENCH, FLARE NUT, SINGLE HEX, DOUBLE END	4367	5/8" & 11/16"	1739425
WRENCH, FLARE NUT, SINGLE HEX, DOUBLE END	4367	3/4" & 13/16"	1739426
WRENCH, FLARE NUT, DOUBLE HEX, SINGLE END	4367	7/8"	1731611
WRENCH, FLARE NUT, DOUBLE HEX, SINGLE END	4367	15/16"	1731612
WRENCH, FLARE NUT, DOUBLE HEX, SINGLE END	4367	1"	1731613
WRENCH, BOX END, DWARF, DOUBLE HEX	4367	9/16" & 5/8"	1731349
RATCHET, ADAPTER, 1/2" DR.	3991		1732056
VICE GRIPS, NEEDLE NOSE			1750130
VICE GRIPS, C-CLAMP			1728813
TOOL, HAND IMPACT			1720076
CORD, EXTENSION		50'	3140041
THERMOMETER, POCKET			1745369

**Addendum A (Contd.)**

CTA 6071-11A

<b>BUS MECHANICS AND/OR TECHNICIANS TOOL SET (CTA ITEM # 1731813 (Contd.))</b>			
<b>ITEM DESCRIPTION</b>	<b>SPEC.#</b>	<b>SIZE</b>	<b>CTA LOT #</b>
KNIFE, UTILITY			1728803
BLADES, UTILITY			1728810
SOCKET, WITH SCREW DRIVER BIT	3991	#1 Phillips	1730919
SOCKET, WITH SCREW DRIVER BIT	3991	#2 Phillips	1730920
BIT: STRAIGHT, HEX			
BIT: STRAIGHT, HEX	3991	1/16"	1732792
BIT: STRAIGHT, HEX		3/32"	1732793
BIT: STRAIGHT, HEX		7/64"	1732794
BIT: STRAIGHT, HEX		5/32"	1732795
BIT: STRAIGHT, HEX		1/8"	1732796
BIT: STRAIGHT, HEX		3/16"	1732797
GUN, SOLDERING			1740925
PLIERS, CONVERTIBLE SNAP-RING W/ TIPS			1746250
DRILL, AIR		3/8"	1720078
IMPACT WRENCH, PISTOL GRIP, 700 FTLB TORQUE		1/2"	1759446
HOSE, AIR	2467	25'	1923025
MIRROR, POCKET			1750132
TOOL, MAGNETIC, FLEXIBLE			1748612
LIGHT, DROP, FLUORESCENT	3416		1741001
TAPE, MEASURING			1741396
SQUARE, COMBINATION			1740019
SCISSOR			1729339
BIT, DRILL - HSS	4081	1/8"	1720008
BIT, DRILL - HSS	4081	3/16"	1720012
BIT, DRILL - HSS	4081	1/4"	1720114
BIT, DRILL - HSS	4081	5/16"	1720020
BIT, DRILL - HSS	4081	3/8"	1720024
BIT, DRILL - HSS	4081	7/16"	1720028
BIT, DRILL - HSS	4081	1/2"	1720032
METER, ELECTRICAL, DIGITAL	6174		3154009
BITS, HEX DRIVE, ASSORTED		Phillips & Standard	1720077
CLIPS/RAILS, SOCKETS		1/4"	1730049
CLIPS/RAILS, SOCKETS		3/8"	1730048
CLIPS/RAILS, SOCKETS		1/2"	1730104
STRIPPER, WIRE			1742512
GOGGLES, WELDERS			1742927
GLOVES, WELDERS	9134		1952703
TESTER, VOLTAGE	1889		1741525
FLINT, STRIKER	3455		1743102
ROLL, TOOL BOX			1750131
SOCKETS, METRIC		1/4" Drive	1746005
SOCKETS, METRIC		3/8" Drive	1730047
SOCKETS, METRIC		1/2" Drive	1730046

**Addendum A (Contd.)**

<b>BUS MECHANICS AND/OR TECHNICIANS TOOL SET (CTA ITEM # 1731813 (Contd.))</b>			
<b>ITEM DESCRIPTION</b>	<b>SPEC.#</b>	<b>SIZE</b>	<b>CTA LOT #</b>
WRENCH, COMBINATION	4367	6MM	1739442
WRENCH, COMBINATION	4367	7MM	1739443
WRENCH, COMBINATION	4367	8MM	1739444
WRENCH, COMBINATION	4367	9MM	1739445
WRENCH, COMBINATION	4367	10MM	1739446
WRENCH, COMBINATION	4367	12MM	1739447
WRENCH, COMBINATION	4367	13MM	1739448
WRENCH, COMBINATION	4367	14MM	1739449
WRENCH, COMBINATION	4367	15MM	1739450
WRENCH, COMBINATION	4367	17MM	1739452
WRENCH, COMBINATION	4367	19MM	1739454
WRENCH, COMBINATION	4367	22MM	1739457
WRENCH, COMBINATION	4367	24MM	1739459
WRENCH, COMBINATION	4367	27MM	1739461
WRENCH, COMBINATION	4367	30MM	1739462
WRENCH, COMBINATION, MIDGET	4367	32MM	1739463
WRENCH, COMBINATION, MIDGET	4367	5MM	1739464
HEX WRENCH SET	4367	5.5MM	1739465
WRENCH, BOX END		2MM THRU 19MM	1739466
WRENCH, BOX END	4367	6MM & 7MM	1739429
WRENCH, BOX END	4367	8MM & 9MM	1739430
WRENCH, BOX END	4367	10MM & 11MM	1739431
WRENCH, BOX END	4367	12MM & 14MM	1739432
WRENCH, BOX END	4367	13MM & 15MM	1739433
WRENCH, BOX END	4367	17MM & 19MM	1739435
WRENCH, BOX END	4367	20MM & 22MM	1739436
WRENCH, BOX END	4367	22MM & 24MM	1739438
WRENCH, BOX END	4367	27MM & 30MM	1739440
WRENCH, BOX END	4367	30MM & 32MM	1739441
SOCKET SINGLE HEX, 1/2" DR.	3991	3/8"	1730113
SOCKET SINGLE HEX, 1/2" DR.	3991	7/16"	1730114
SOCKET SINGLE HEX, 1/2" DR.	3991	1/2"	1730112
SOCKET SINGLE HEX, 1/2" DR.	3991	9/16"	1730111
SOCKET SINGLE HEX, 1/2" DR.	3991	5/8"	1730117
SOCKET SINGLE HEX, 1/2" DR.	3991	11/16"	1730120
SOCKET SINGLE HEX, 1/2" DR.	3991	3/4"	1730115
SOCKET SINGLE HEX, 1/2" DR.	3991	13/16"	1730116
SOCKET SINGLE HEX, 1/2" DR.	3991	7/8"	1730118
SOCKET SINGLE HEX, 1/2" DR.	3991	15/16"	1730110
SOCKET SINGLE HEX, 1/2" DR.	3991	1"	1730119
SOCKET SINGLE HEX, 1/2" DR.	3991	1 1/16"	1730121
SOCKET SINGLE HEX, 1/2" DR.	3991	1 1/8"	1730122
SOCKET SINGLE HEX, 1/2" DR.	3991	1 1/4"	1738002

**Addendum A (Contd.)**

<b>BUS MECHANICS AND/OR TECHNICIANS TOOL SET (CTA ITEM # 1731813 (Contd.))</b>			
<b>ITEM DESCRIPTION</b>	<b>SPEC.#</b>	<b>SIZE</b>	<b>CTA LOT #</b>
DRIVER, SINGLE HEX NUT	4330	1/4"	1735250
DRIVER, SINGLE HEX NUT	4330	5/16"	1735251
DRIVER, SINGLE HEX NUT	4330	11/32"	1735252
DRIVER, SINGLE HEX NUT	4330	3/8"	1735253
DRIVER, SINGLE HEX NUT	4330	7/16"	1735254
DRIVER, SINGLE HEX NUT	4330	1/2"	1735255
WRENCH, BOX END, DOUBLE HEX	4367	3/8" & 7/16"	1731050
WRENCH, BOX END, DOUBLE HEX	4367	1/2" & 9/16"	1731111
WRENCH, BOX END, DOUBLE HEX	4367	5/8" & 11/16"	1731113
WRENCH, BOX END, DOUBLE HEX	4367	11/16" & 13/16"	1731127
WRENCH, BOX END, DOUBLE HEX	4367	3/4" & 7/8"	1731115
WRENCH, BOX END, DOUBLE HEX	4367	15/16" & 1"	1731122
WRENCH, BOX END, DOUBLE HEX	4367	1" & 1 1/8"	1731126
WRENCH, BOX END, DOUBLE HEX	4367	1 1/16" & 1 1/4"	1731061
WRENCH, OPEN END	4367	1/4" & 5/16"	1731700
WRENCH, OPEN END	4367	5/16" & 3/8"	1731701
WRENCH, OPEN END	4367	3/8" & 7/16"	1731702
WRENCH, OPEN END	4367	7/16" & 1/2"	1731703
WRENCH, OPEN END	4367	1/2" & 9/16"	1731704
WRENCH, OPEN END	4367	9/16" & 5/8"	1731705
WRENCH, OPEN END	4367	5/8" & 11/16"	1731707
WRENCH, OPEN END	4367	5/8" & 3/4"	1731708
WRENCH, OPEN END	4367	3/4" & 13/16"	1731711
WRENCH, OPEN END	4367	7/8" & 15/16"	1731714
WRENCH, OPEN END	4367	15/16" & 1"	1731715
WRENCH, OPEN END	4367	1" & 1 1/8"	1731729
WRENCH, OPEN END	4367	1 1/16" & 1 1/4"	1731719

**Addendum B**

RAIL CAR MECHANICS AND/OR TECHNICIANS SUPPLEMENTAL TOOL SET (CTA ITEM # 1731814)			
<u>ITEM DESCRIPTION</u>	<u>SPEC.#</u>	<u>SIZE</u>	<u>CTA LOT #</u>
WRENCH, COMBINATION	4367	1/4"	1731076
WRENCH, COMBINATION	4367	5/16"	1731260
WRENCH, COMBINATION	4367	3/8"	1731261
WRENCH, COMBINATION	4367	7/16"	1731077
WRENCH, COMBINATION	4367	1/2"	1731078
WRENCH, COMBINATION	4367	9/16"	1731075
WRENCH, COMBINATION	4367	5/8"	1731079
WRENCH, COMBINATION	4367	11/16"	1731264
WRENCH, COMBINATION	4367	3/4"	1731263
WRENCH, COMBINATION	4367	13/16"	1731271
WRENCH, COMBINATION	4367	7/8"	1731272
WRENCH, COMBINATION	4367	15/16"	1731273
WRENCH, COMBINATION	4367	1"	1731274
WRENCH, COMBINATION	4367	1 1/16"	1731270
	4367	1 1/8"	1746009
RATCHETING, BOX WRENCH	4367	3/8" & 7/16"	1731778
RATCHETING, BOX WRENCH	4367	1/2" & 9/16"	1731070
ALLEN WRENCH	4392	1/2"	1731791
ALLEN WRENCH	4392	5/8"	1731793
SCREW STARTER	4330	6" Long	1741171
SCREW DRIVER, PHILLIPS, DOUBLE OFFSET	4330	No. 1 & No. 2 Tip	1740168
SCREW DRIVER, DOUBLE OFFSET	4330	4" Long Flat Tip	1740220
SCREW DRIVER, 3" BLADE, THIN	4330	Flat Tip	1740255
SCREW DRIVER, 6" BLADE, THIN	4330	Flat Tip	1740208
SCREW DRIVER, 8" BLADE, THIN	4330	Flat Tip	1740259
PLIERS, LINEMAN'S W/ SIDE CUTTER	4330	8-1/2" Long	1728863
RULE, 6' FOLDING			1741127
CABINET ROLLER, 7 DRAWER			1754654
CRIMPER: WIRE STRIPPER/CUTTER			1746008
CUTTER, CABLE		9 1/2" Long	1728576
GUN: SOLDERING, 100/200/359 WATT, 120 VAC			1740925
METER, ELECTRICAL, DIGITAL	6174		1724026
ALLEN SOCKET SET, 3/8" & 1/8" DRIVERS, (4MM TO 10MM)	3991		1730044
SOCKET TOOL SET, 1/4" DR., 6-PT, 4MM TO 16MM	3991		1746005
SOCKET TOOL SET, 1/2" DR., 12-PT, 10MM TO 32MM	3991		1746006
WIRE STRIPPER			1743928
WIRE STRIPPER			1747012
SLIDING BAR, 1/4" DR.	3991	4 1/2" Long	1732179

**Addendum B (Contd.)**

<b>RAIL CAR MECHANICS AND/OR TECHNICIANS SUPPLIMENTAL TOOL SET (CTA ITEM # 1731814) Contd.</b>			
<b><u>ITEM DESCRIPTION</u></b>	<b><u>SPEC.#</u></b>	<b><u>SIZE</u></b>	<b><u>CTA LOT #</u></b>
SOCKET, SINGLE HEX, 1/4" DR.	3991	3/16"	1730015
SOCKET, SINGLE HEX, 1/4" DR.	3991	7/32"	1730016
SOCKET, SINGLE HEX, 1/4" DR.	3991	9/32"	1730018
SOCKET, SINGLE HEX, 1/4" DR.	3991	11/32"	1730019
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	3/16"	1730012
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	7/32"	1730005
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	1/4"	1730010
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	9/32"	1730011
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	5/16"	1730006
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	11/32"	1730007
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	3/8"	1730008
SOCKET, SINGLE HEX, 1/4" DR., DEEP WELL	3991	7/16"	1730009
HANDLE, TEE, SLIDING, 3/8" DR.	3991	8" Long	1742553
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	1/2"	1730070
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	9/16"	1730071
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	5/8"	1730072
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	11/16"	1730073
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	3/4"	1730074
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	13/16"	1730075
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	7/8"	1730076
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	15/16"	1730077
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	1"	1730078
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	1 1/16"	1730079
SOCKET, DOUBLE HEX, 1/2" DR., DEEP WELL	3991	1 1/8"	1730080

**Addendum C**



# RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET (CTA ITEM # 1731815)

<u>ITEM DESCRIPTION</u>	<u>SPEC.#</u>	<u>SIZE</u>	<u>CTA LOT #</u>
1/4" MECHANICS HAND SOCKET SET, 15 PIECE, INCLUDES TOOL BOX, HINGED HANDLE, & THE FOLLOWING 1/4" TO 9/16" SOCKETS	3480		1731812
BOX, TOOL, STEEL WITH HANDLE AND DRAW LATCH		6-1/2" To 7-1/2" Lg. X 3-1/2" To 4-1/2" Wide X 1 To 2" High	(included in set 1731812)
SOCKET, DOUBLE SQUARE, 1/4" DR.	3991	1/4"	1730001 (included in set 1731812)
SOCKET, DOUBLE SQUARE, 1/4" DR.	3991	5/16"	1730002 (included in set 1731812)
SOCKET, DOUBLE SQUARE, 1/4" DR.	3991	3/8"	1730377 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	3/16"	1730015 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	7/32"	1730016 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	1/4"	1730017 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	9/32"	1730018 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	5/16"	1730020 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	11/32"	1730019 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	3/8"	1730021 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	7/16"	1730022 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	1/2"	1730023 (included in set 1731812)
SOCKET, SINGLE HEX, 1/4" DR.	3991	9/16"	1739484 (included in set 1731812)
HINGED HANDLE, 1/4" DR.	3991		1732567 (included in set 1731812)
EXTENSION BAR, 1/4" DR.	3991		1732125
EXTENSION BAR, 1/4" DR.	3991	2"	
PLASTIC GRIP SPINNER DRIVE HANDLE, 1/4" DR.	3991	6"	1732126
			1732667

**Addendum C (Contd.)**

**RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET (CTA ITEM # 1731815) Contd.**

<u>ITEM DESCRIPTION</u>	<u>SPEC.#</u>	<u>SIZE</u>	<u>CTA LOT #</u>
RATCHET WRENCH, 1/4" DR.	3991		1731770
UNIVERSAL JOINT, 1/4" DR.	3991		1730937
SOCKET, SINGLE HEX, 3/8" DR.	3991	1/4"	1730050
SOCKET, SINGLE HEX, 3/8" DR.	3991	5/16"	1730051
SOCKET, SINGLE HEX, 3/8" DR.	3991	3/8"	1730054
SOCKET, SINGLE HEX, 3/8" DR.	3991	7/16"	1730057
SOCKET, SINGLE HEX, 3/8" DR.	3991	1/2"	1730052
SOCKET, SINGLE HEX, 3/8" DR.	3991	9/16"	1730053
SOCKET, SINGLE HEX, 3/8" DR.	3991	5/8"	1730058
SOCKET, SINGLE HEX, 3/8" DR.	3991	11/16"	1730059
SOCKET, SINGLE HEX, 3/8" DR.	3991	3/4"	1730055
EXTENSION BAR, 3/8" DR.	3991	3"	1732135
EXTENSION BAR, 3/8" DR.	3991	6"	1732136
EXTENSION BAR, 3/8" DR.	3991	12"	1732138
RATCHET WRENCH, 3/8" DR.	3991	6-3/4"	1731773
UNIVERSAL JOINT, 3/8" DR.	3991		1730936
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	3/8"	1730025
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	7/16"	1730026
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	1/2"	1730027
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	9/16"	1730028
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	5/8"	1730029
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	11/16"	1730030
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	3/4"	1730031
SOCKET, DOUBLE HEX, 3/8" DR., DEEP WELL	3991	13/16"	1730032
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	3/8"	1730961
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	7/16"	1738066
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	1/2"	1738067
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	9/16"	1738068
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	5/8"	1738069
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	11/16"	1730962
SOCKET: IMPACT, 6 PT, 3/8" SQ. DR.	3992	3/4"	1730963
RATCHET, AIR, 3/8" SQ. DR.			1741745
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	7/16"	1730801
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1/2"	1730802
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	9/16"	1730803
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	5/8"	1730804
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	11/16"	1730805
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	3/4"	1730806

**Addendum C (Contd.)**

RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET (CTA ITEM # 1731815) Contd.			
<u>ITEM DESCRIPTION</u>	<u>SPEC.#</u>	<u>SIZE</u>	<u>CTA LOT #</u>
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	13/16"	1730807
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	7/8"	1730809
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	15/16"	1730808
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1"	1730810
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1 1/16"	1730816
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1 1/8"	1730811
SOCKET: IMPACT, 6 PT, 1/2" SQ. DR.	3992	1 1/4"	1738070
EXTENSION BAR, 1/2" DR.	3991	2"	1732145
EXTENSION BAR, 1/2" DR.	3991	5"	1732147
EXTENSION BAR, 1/2" DR.	3991	10"	1732148
RATCHET WRENCH, 1/2" DR.	3991		1731771
BREAKER BAR, 1/2" DR.	3991	14" to 19" Long	1732566
UNIVERSAL JOINT, 1/2" DR.	3991		1730935
SPEEDER, BRACE TYPE, HINGED, 1/2" DR.	3991	16" to 20" Long	1732555
SOCKET, SINGLE HEX, 1/2" DR.	3991	3/8"	1730113
SOCKET, SINGLE HEX, 1/2" DR.	3991	7/16"	1730114
SOCKET, SINGLE HEX, 1/2" DR.	3991	1/2"	1730112
SOCKET, SINGLE HEX, 1/2" DR.	3991	9/16"	1730111
SOCKET, SINGLE HEX, 1/2" DR.	3991	5/8"	1730117
SOCKET, SINGLE HEX, 1/2" DR.	3991	11/16"	1730120
SOCKET, SINGLE HEX, 1/2" DR.	3991	3/4"	1730115
SOCKET, SINGLE HEX, 1/2" DR.	3991	13/16"	1730116
SOCKET, SINGLE HEX, 1/2" DR.	3991	7/8"	1730118
SOCKET, SINGLE HEX, 1/2" DR.	3991	15/16"	1730110
SOCKET, SINGLE HEX, 1/2" DR.	3991	1"	1730119
SOCKET, SINGLE HEX, 1/2" DR.	3991	1 1/16"	1730121
SOCKET, SINGLE HEX, 1/2" DR.	3991	1 1/8"	1730122
SOCKET, SINGLE HEX, 1/2" DR.	3991	1 1/4"	1738002
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	1/4" & 5/16"	1731131
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	5/16" & 3/8"	1731345
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	3/8" & 7/16"	1731346
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	1/2" & 9/16"	1731348
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	5/8" & 3/4"	1731350
WRENCH, BOX END, DOUBLE HEX. DWARF	4367	11/16" & 13/16"	1731352
FUSE PULLER			
KNIFE, PUTTY		7 1/2" Long	1741090
FOLDING HEX KEY (SMALL SET)			1740943
FOLDING HEX KEY (LARGE SET)		.050" TO 3/16"	1739427
BOX, TOOL, SOCKET SET		3/16" TO 3/8"	1739428
			1754254

**Addendum C (Contd.)**

**RAIL CAR MECHANICS AND/OR TECHNICIANS BASIC TOOL SET**  
**(CTA ITEM # 1731815) Contd.**

<u>ITEM DESCRIPTION</u>	<u>SPEC.#</u>	<u>SIZE</u>	<u>CTA LOT #</u>
PADLOCK W/ 2 KEYS	6825		1905032
BOX, TOOL, W/ TOTE TRAY			1744259
SCREW DRIVER, PHILLIPS, 3" BLADE	4330	No. 1 Phillips Tip	1740165
SCREW DRIVER, PHILLIPS, 4" BLADE	4330	No. 2 Phillips Tip	1740166
SCREW DRIVER, PHILLIPS, 6" BLADE	4330	No. 3 Phillips Tip	1740167
SCREW DRIVER, PHILLIPS, STUBBY	4330	No.1 Phillips Tip	1740171
SCREW DRIVER, 1 1/2" BLADE	4330	Flat Tip	1740190
SCREW DRIVER, 2" BLADE, CLIP	4330	Flat Tip	1740147
SCREW DRIVER, 4" BLADE	4330	Flat Tip	1740192
SCREW DRIVER, 6" BLADE	4330	Flat Tip	1740193
SCREW DRIVER, 8" BLADE	4330	Flat Tip	1740194
SCREW STARTER	4330	6" Long	1741171
PLIERS, GRIPPING, CHANNEL LOCK	4330	9" to 11" Long	1728857
PLIERS, NEEDLE NOSE, W/ SIDE CUTTER	4330	7" Long	1728858
PLIERS, DIAGONAL CUTTER, HD	4330	7" Long	1728859
PLIERS, VISE GRIP, W/ CUTTER	4392	10" Long	1731953
PINCH BAR		16" Long	1740024
PUNCH, PIN, TAPERED		5" Long	1742072
PUNCH, PIN, TAPERED		9" Long	1742082
PUNCH, CENTER		6" Long	1742051
CHISEL, COLD, FLAT	416	6" Long	1728475
HAMMER, BALL PEEN	4330	12 Ounce	1740586
FILE, FLAT MACHINE	566	10"	1725424

**CHICAGO TRANSIT AUTHORITY**

**DETAIL SPECIFICATION  
FOR  
BRUSH: WIRE, STEEL**

**SPECIFICATION NO. CTA 387-07(R10)  
CTA LOT NO. 1900268**

**1. SCOPE**

- 1.1 This specification covers a four (4) row steel wire brush used by various brushing applications throughout the Chicago Transit Authority (CTA).

**2. REQUIREMENTS**

- 2.1 The steel wire brush shall consist of a hardwood handle and shall have an overall block dimension of approximately 10"X 1 1/8". The brush portion shall contain 4 X 16 rows of black tempered steel wire with a trim of 1-3/16". The brush part length shall be 5".
- 2.2 Refer to the Contract Documents for approved manufacturers and their part numbers.

**3. APPROVED AND NON-APPROVED ITEM INFORMATION**

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

**4. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS**

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract Document. Potential Bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential Bidders who contact any CTA personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

**DISTRIBUTION: Manager, Technical Services - Rail**

FJM/pk - Initial Spec. - 1/14/74

GM/gm - Reviewed and Reapproved - 7/29/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATIONS**  
**FOR**  
**CHISELS: VARIOUS TYPES AND SIZES**  
**SPECIFICATION NO. CTA 416-07(R2010)**

**1. SCOPE**

- 1.1 This specification covers the furnishing of various types and sizes of hand chisels used for cutting and shaping metals and wood, and track chisels used for track work.

**2. APPLICABLE DOCUMENTS**

- 2.1 The following documents form a part of this specification to the extent specified herein. The dates shown are for reference only, the current revision or edition at the time of Invitation For Bid shall apply.
- 2.1.1 Federal Specification GGG-C-313 - Chisels, Hand: Cape, Diamond Point, Cold, Round Nose, and Side Cutting.
- 2.1.2 Federal Specification GGG-C-311 - Wood Chisels.
- 2.1.3 American Society for Testing and Materials standard ASTM E 18-98 (or latest) - Standard Test Method for Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials.

**3. DETAIL REQUIREMENTS**

- 3.1 Hand Chisels of the Cape, Diamond Point, Cold, Round Nose and Side Cutting Types, that are not defined as Track Chisels or Wood Chisels shall comply with the following requirements, as was specified in Federal Specification GGG-C-313. The Type and Class or Style, as defined and illustrated in Fed. Spec. GGG-C-313, shall be indicated in the Contract Document.
- 3.1.1 Material - The hand chisels furnished under this specification shall be hot-forged of an alloy steel (i.e. AISI/SAE designation S5 or a UNS designation of T41905) having good cutting, wear, and shock resisting properties capable of withstanding the tests specified in section 4 - "TESTING" herein.
- 3.1.2 Hardness - The hand chisels furnished under this specification shall be oil quenched and heat treated so as to have a working end hardness of not less than 53 nor more than 59 on the Rockwell C scale, and a striking surface (i.e. head) hardness of not less than 44 nor more than 59 on the Rockwell C scale.

### 3. DETAIL REQUIREMENTS (Contd.)

CTA 416-07(R10)

3.1.3 Finish - All surfaces of the hand chisels shall be free from burrs, roughness, and excessive oxide scale. The ground surfaces forming the cutting edge shall have a bright finish with a maximum of 125 (Arithmetical Average) roughness height rating. The struck end of all chisels shall either be chamfered or provided with an upset head to minimize mushrooming. The top of the struck end shall be finished with either a slight symmetrical crown or at right angles, within 2 degrees, of the longitudinal axis of the body. The chamfer of the struck ends for all chisels, except those having an upset head design, shall be machined or ground within an included angle of 40 to 80 degrees. The length of the chamfer, measured from a flat surface of the body rather than from a corner of the body, shall be as follows:

- Chisels 1/4 inch or less across flats; 1/16 inch minimum length.
- Chisels 5/16 inch, up to and including 7/16 inch across flats; 3/32 inch minimum length.
- Chisels 1/2 inch, up to and including 11/16 inch across flats; 1/8 inch minimum length.
- Chisels 3/4 inch and over across flats; 5/32 inch minimum length.

3.1.4 Body shape - The bodies shall be square, hexagonal, or octagonal in cross section. Chisels with a square body shall be either quarter octagon or have the corners suitably rounded.

3.1.5 Marking - Each chisel shall be plainly and permanently marked with the manufacturer's name and/or trademark of such known character that the source of manufacture may be readily determined.

3.2 Wood chisels shall comply with Federal Specification GGG-C-311.

3.2.1 The type of handle (i.e. leather tipped wood, plastic or straight metal), and width size of chisel shall be indicated in the Contract Document

### 4. TESTING

4.1 The hand chisels used for cutting metals shall be subject to the following tests.

4.1.1 Hardness Test - Hardness tests shall be conducted in accordance with ASTM E 18 to determine compliance with 3.2.2.

4.1.1.1 Work end hardness - Hardness impressions on the work end of the chisels shall be taken within 1/2 inch from the cutting edge and in accordance with ASTM E 18.

4. TESTING (Contd.)

4.1.2 Performance test - Performances testing of the metal cutting hand chisels shall be conducted using a square or rectangular AISI 1040 to AISI 1060 carbon steel bar test specimen, having a minimum thickness of 3/4 inch and of sufficient length. The bar shall be secured in a rigid manner on a solid foundation such as an anvil or steel block of not less than 20 pounds. The test bar specimen shall show a hardness of not less than 25 nor more than 30 on a Rockwell C scale.

4.1.2.1 Method of test Types I, IV & VII chisels - Types I, IV, & VII chisels shall be held firmly in as near a vertical position as possible with the work end resting on the flat surface of the test bar. The chisels shall be struck with the applicable machinist's hammer (see Table 1) as squarely as possible at least 20 blows to produce at least 15 indentations in the test bar.

4.1.2.2 Method of test Types II & VI chisels - Types II & VI chisels shall be held as in 4.1.2.1 except at a 45 degree angle and shall be struck with the applicable machinist's hammer (see Table 2) as squarely as possible to produce indentations in the test bar. At least 25 indentations shall be made in the test bar by each sample chisel.

4.1.2.3 Any evidence of spalling, cracking, excessive dulling or turning of the cutting edge; or bending or chipping of the head (struck end) during the test shall be cause for rejection. A minor amount of mushrooming of the head (struck end) is acceptable.

4.2 The following tables indicate the applicable machinist's hammer to be used in the performance tests specified in 4.1.2.1 and 4.1.2.2.

TABLE 1 HAMMERS for TESTING TYPES I, IV, & VII Chisels	
Chisel Size - Distance Across Flats in Inches	Weight of Hammer in Ounces
3/16	8
1/4	8
5/16	12
3/8	16
7/16	16
1/2	24
5/8	24
3/4	32
7/8	32



4. TESTING (Contd.)

## 4.2 (Contd.)

TABLE 2 HAMMERS for TESTING TYPES II & VI Chisels		
Width of Cutting Edge in Inches	Hammer	
	Weight in Pounds	Handle Length in Inches
up to 7/16	1	14
1/2 to 5/8	1-1/2	15
over 5/8	2	16

5. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 5.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract document. Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

DISTRIBUTION: Mgr., Technical Services - Rail  
Mgr., Technical Support

JJS/el - Initial Spec. - 1/27/95  
SAS/sas- 7<sup>th</sup> Revision - 06/14/07  
MD/md - Reviewed & Re-Approved - 03/09/10

# CHICAGO TRANSIT AUTHORITY

## DETAIL SPECIFICATION FOR FILES AND RASPS; HAND

### SPECIFICATION NO. CTA 566-10

#### 1. SCOPE

- 1.1 This specification will describe the requirements for a Contractor to furnish hand files and hand rasps of the American pattern type and files of the Swiss pattern type.

#### 2. DETAILS

- 2.1 Hand files and rasps of the American Pattern shall be in compliance with Federal Specification No. GGG-F-325B dated 1973, validated April, 1982 titled File, Hand, (American Pattern) and Rasp, Hand.
- 2.2 Hand files of the Swiss Pattern shall be in compliance with Federal Specification No. GGG-F-331B dated Oct. 1966, validated April, 1982 titled File, Files, Hand (Swiss Pattern).
- 2.2.1 The version dates shown are for reference only, the current edition at the time of Invitation For Bid shall apply. The Federal Specifications listed in Sections 2.1 and 2.2 have been cancelled for use in Federal Contracts. The CTA requires the same level of quality as described in these specifications prior to their cancellation.
- 2.3 The following is a partial list of information that will be provided in the Contract Documents.
- Pattern of file - American or Swiss.
  - Type number and name of file or rasp.
  - Class and/or style of file or rasp, when required.
  - Length of file or rasp.
  - American Pattern, number of cuts if other than single cut.
  - Swiss Pattern, cut number and/or special tang.
  - Quantity required

3. APPROVED AND NON-APPROVED ITEM INFORMATION

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

4. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract Document. Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

DISTRIBUTION:   Mgr., Tech. Serv-Bus  
                         Mgr., Tech. Serv-Rail  
                         Mgr., Tech. Supt-WS  
                         Coord. Quality Insp.

Initial Spec. - 1949  
MD/md - Revision - 03/10/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**PORTABLE VOLTAGE/CONTINUITY TESTER**

**SPECIFICATION NO. CTA 1889-05(R10)**  
**(CTA Item No. 1741525)**

**1. SCOPE**

- 1.1 This specification covers the details for a portable, pocket-type, solenoid-operated voltage/continuity tester used to verify electrical circuits throughout the Chicago Transit Authority system.

**2. DETAIL REQUIREMENTS**

- 2.1 The Contractor shall furnish a new tester capable of verifying electrical circuits for continuity, nominal potentials (voltages), nominal frequency and polarity.
- 2.2 The tester shall have a minimum voltage range of 5 to 600 volts for alternating current (AC) and direct current (DC) potentials. The presence of a potential shall be indicated by the illumination of one or more light emitting diodes (LEDs), neon lamps or combinations thereof.
- 2.3 The tester shall have minimum on:off duty cycles for fluctuating potentials of 1:7 (for 240 volts or less) and 1:40 (for potentials exceeding 240 volts). The tester shall incur no damage if operated 15 continuous seconds, or less, within the specified voltage range.
- 2.4 The tester shall be suitable for continuous duty when verifying steady, non-fluctuating potentials.
- 2.5 A high-voltage indicator shall indicate potentials exceeding 65 volts AC or 90 volts DC. A scale of indicators or a digital readout shall indicate the nominal magnitude of potentials in excess of 110 volts.
- 2.6 The tester shall vibrate and emit an audible hum when in connected to a 25 to 60 Hertz (cycles per second) AC potential of 120 volts or more.
- 2.7 The tester shall indicate the polarity of DC potentials throughout the tester's voltage range.

**2. DETAIL REQUIREMENTS (Cont.)**

- 2.8 The tester shall have a minimum internal impedance of 3250 ohms, excluding test prods.
- 2.9 The tester shall have circuitry and an indicator to indicate electrical continuity between the two tester probes (prods). The circuitry shall automatically protect the tester from damage should the prods be connected across a potential during a continuity test.
- 2.10 Battery life shall not be substantially reduced should the tester be left on but idle for an extended period of time. This requirement shall not apply if the probe ends are not electrically separated (open).
- 2.11 The tester shall be equipped with a plug-in dual prod and lead assembly, compatible with existing replacement assemblies (CTA item number 1746350), for rapid tester repairs.
- 2.12 The tester prod and lead assembly shall incorporate two independent, flexible, oil resistant, 30" (minimum) long insulated leads. Each lead shall be equipped with an insulated, pointed, fused test prod (probe). One lead/prod combination shall be red, the other black.
- 2.13 Prod length, exclusive of any lead, shall be 6" or less.
- 2.14 Each tester prod shall have a spring-loaded safety shield to insulate the prod tip during use in confined areas. The safety shield shall lock back for open area use.
- 2.15 The tester housing shall have a built-in cavity to support a prod when the tester is used in free-standing, two-hand tests. Housing cavities shall be furnished to store, electrically isolate and protect each prod when not in use.
- 2.16 The tester shall be of rugged construction, capable of withstanding impacts, abrasions and handling characteristic of construction and maintenance activities.
- 2.17 The tester shall have a bright, legible digital readout and/or luminary solid state indicators, suitable for use in sunny, outdoor and dim, subterranean environments.
- 2.18 The tester shall be sealed to resist moisture and dust.
- 2.19 The tester shall be registered with and bear the seal of a nationally recognized insurance safety organization. Testers listed with Underwriters Laboratories Incorporated (UL; Northbrook, IL) have been used to satisfy this requirement.
- 2.20 The tester, with prod and lead assembly, shall weigh less than one (1) pound.

2. DETAIL REQUIREMENTS (Cont.)

- 2.21 The Contractor shall furnish a set of new, fresh, replaceable batteries with each tester. Battery replacement shall not require tester disassembly.
- 2.22 The Contractor need not furnish a case with each tester.

3. APPROVED AND NON-APPROVED ITEM INFORMATION

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved

4. CONTRACT INFORMATION

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this contract document. Potential bidders requiring additional information from person(s) listed in the special conditions must route their requests through the Procurement Administrator. Potential bidders who contact any CTA personnel other than the Procurement Administrator will be considered in violation of the provisions of the contract document.

Distribution: Mgr. Technical Services, Bus  
Mgr. Technical Services, Rail  
Mgr. Technical Support, West Shops

Initial Specification - 3/17/52  
CE/che - 9<sup>th</sup> Revision - 11/1/05  
JSC/jsc - Reviewed - 07/29/10

**CHICAGO TRANSIT AUTHORITY**

**DETAIL SPECIFICATION  
FOR  
HOSE: AIR, BRAIDED**

**SPECIFICATION NO. CTA 2467-07(R10)**

**1. SCOPE**

- 1.1 This specification is intended to describe pneumatic hose, with braided reinforcement, either with or without an "oil-proof" tube and/or cover, in various sizes (I.D.), plies, and lengths.
- 1.2 The size, length, type of cover, and the number of plies required shall be indicated in the Contract Document.

**2. REFERENCED INDUSTRY STANDARDS**

- 2.1 The following industry standards make up a part of this specification as referenced herein. Revisions and dates indicated are for reference only, the current revision at the time of Invitation For Bid shall apply.

American Society for Testing and Materials

ASTM D 380: Standard Test Methods for Rubber Hose.

ASTM D 413: Standard test Methods for Rubber Property-Adhesion to Flexible Substrate.

ASTM D 471: Standard Test Method for Rubber Property-Effects of Liquids.

ASTM D 2240: Standard Test Method for Rubber Property-Durometer Hardness.

**3. DETAIL SPECIFICATIONS**

- 3.1 Construction – The hose shall consist of an inner "rubber-like" tube, reinforced with one (1) or more plies of braided nylon, rayon or cotton cords, and a cover of "rubber-like" material. The tube and cover shall be smooth, free from pitting and of uniform thickness.
- 3.2 Types – Two types of hose are included in this specification:
- a. Non "oil-proof" tube and cover, and
  - b. "Oil-proof" tube and cover

### 3. DETAIL SPECIFICATIONS (Cont.)

- 3.2.1 Unless a hose with an "oil-proof" tube and/or cover is specifically called for in the Contract Document; the Contractor's proposed product(s) need not comply with the requirements for volume increase of tube and/or cover stock after oil immersion, as specified in 3.3.6 herein.

#### 3.3 Physical Requirements

##### 3.3.1 Dimensional Tolerance

- 3.3.1.1 Hoses furnished shall not exceed a tolerance of  $1/32$ " on the O.D. of the various sizes (I.D.) of the hose.

- 3.3.1.2 Hoses furnished shall not exceed a tolerance of  $1/64$ " on the I.D. (nominal rated size).

##### 3.3.2 Original Properties

- 3.3.2.1 Hoses furnished shall have a Type A durometer reading of the tube stock from 60 to 80 when tested in accordance with ASTM D-2240.

- 3.3.2.2 The tensile strength of the tube and cover shall not be less than 800 psi (5500 kpa) for each.

- 3.3.2.3 The percent of elongation of the tube and cover stock shall not be less than 200 for each, when tested in accordance with ASTM D-380 for tensile and elongation.

##### 3.3.3 Change After Oven Aging

- 3.3.3.1 The increase in durometer of the tube stock shall not be more than 20 after oven aging, when tested in accordance with ASTM D-380.

- 3.3.3.2 The percentage (%) loss in tensile strength, after oven aging for both tube and cover shall not be more than 15, when tested in accordance with ASTM D-380.

- 3.3.3.3 The percentage (%) loss in maximum elongation after oven aging, for both tube and cover, shall not be more than 50, when tested in accordance with ASTM D-380.



### 3. DETAIL SPECIFICATIONS (Cont.)

#### 3.3 Physical Requirements (Cont.)

##### 3.3.4 Adhesion

- 3.3.4.1 When tested by the Machine Method in accordance with ASTM D-413, the adhesion between tube and reinforcement, and between cover and reinforcement, shall not be less than 8 pounds-force per inch for those having an "oil proof" tube and cover, and not less than 6 pounds-force per inch for hose with non "oil proof" tube and cover.

##### 3.3.5 Burst Pressure

- 3.3.5.1 When tested in accordance with the aerostatic pressure test method prescribed by ASTM D-380, the hose shall meet the minimum burst requirements shown in 3.3.5.2. The values shown are based on a ratio of 5:1 between burst pressure and rated working pressure, for the number of plies and sizes shown. Further, these burst requirements values are based on the use of rayon or nylon as a reinforcing material.

- 3.3.5.1.1 Should any Bidder propose a brand of hose manufactured with cotton as the reinforcing material, said brand proposed shall be of sufficient layer(s) to meet the test requirements.

##### 3.3.5.2 Minimum Burst-Test Values, PSI

<u>Size (I.D.)</u>	<u>1 Ply</u>	<u>2 or More Ply</u>
3/16"	1500	----
1/4"	1250	1625
5/16"	1250	----
3/8"	1000	1500
1/2"	----	1500
5/8"	----	1250
3/4"	----	1250

##### 3.3.6 Volume Increase After Oil Immersion

When a hose with an "oil proof" tube and/or cover is required, the hose shall not show a volume increase of more than seventy-percent (70%), nor shall it show a loss in tensile strength of more than sixty percent (60%), after oil immersion, when tested in accordance with ASTM D-471.

4. APPROVED AND NON-APPROVED ITEM INFORMATION

- 4.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

5. MARKINGS

- 5.1 Each hose shall be labeled in a color contrasting to the color of the hose. The labeling shall be every 15 inches or less along the entire length of hose in legible block capital letters at least 1/8 inch high with the following minimum information:

- Hose manufacturer's trade mark or identification number
- Hose nominal inside diameter in fractions (i.e. 3/8, 1/2, etc.)
- Hose working pressure
- Hose manufacturer's company name and/or logo
- The wording OIL-PROOF for hose that meets this characteristic

6. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 6.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of the Contract Document. Potential Bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential Bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

DISTRIBUTION: Mgr., System Construction Maintenance  
Coord., Quality Insp./Materials

JDC/jas - Initial Specification - 02/23/56  
JSC/jsc- 6th Revision - 1/9/07  
JSC/jsc - Reviewed - 07/12/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**FLUORESCENT HAND DROPLIGHT**

**SPECIFICATION NO. CTA 3416-10**  
**(CTA ITEM NO. 1741001 & 1749441)**

**1**     **SCOPE**

- 1.1     This specification covers the requirements for a fluorescent hand droplight used at Chicago Transit Authority garage and shop facilities.

**2**     **DETAIL REQUIREMENTS**

- 2.1     The Contractor shall furnish new fluorescent hand droplights (lights) as requested in each contract release.
- 2.2     The light shall provide local illumination over a region directly above and 180 (minimum) to 300 (maximum) degrees about the circumference of the light when suspended vertically.
- 2.3     The light shall be lightweight and compact, suitable for one-handed transportation and positioning in congested areas. The length of the light, excluding power cord, shall not exceed 24 inches.
- 2.4     The light shall include a socket for a compact, plug-in, 2 pin, GX23 base fluorescent lamp (bulb), CTA item 3116008.
- 2.5     Each light shall be packaged with an impact resistant, energy efficient, integral preheat fluorescent lamp suitable for use in the light socket. The lamp properties shall comply with those listed in table 1. At the option of the Contractor, the lamp may be supplied either separate from or installed in the light socket.

**Table 1 – Lamp Properties**

<u>Property</u>	<u>Level</u>	<u>Unit</u>	<u>Limit</u>
Rated power	13	Watts	fixed
Output - initial	800	lumens	minimum
- mean	700	lumens	minimum
Color temperature	3500	Kelvin	minimum
Average rated life	10,000	hours	minimum

**2     DETAIL REQUIREMENTS (Cont.)**

- 2.6 The light construction shall permit lamp replacement without tools (excepting a flat-bladed or Phillips screwdriver), re-wiring or disassembly of the light housing.
- 2.7 The light ballast shall be housed within the light handle. The ballast shall be rated for 120 volt, 60 Hertz service.
- 2.8 The light shall have a minimum starting temperature range of +32° to 120° F (0° to 49° C).
- 2.9 The light shall be equipped with a grounded, 120 volt, 15 ampere accessory receptacle, National Electrical Manufacturer's Association (NEMA) style 5-15R, having a minimum rating of 10 amperes. The receptacle shall be located within 12 inches of the light handle.
- 2.10 Lighting shall be controlled by a power switch, located in the light housing. The accessory receptacle shall be powered independent of the power switch.
- 2.11 The light power cord shall be terminated with a grounded, 115 volt, 15 ampere plug, NEMA style 5-15P. At the option of the Contractor, the plug may be molded integral with the power cord.
- 2.12 The lamp power cord shall be replaceable, independent of the lamp housing, accessory receptacle or power switch. Cords molded integral with the lamp housing are not acceptable.
- 2.13 The power cord shall be weather and oil resistant, flexible over a 0° to 140° F (-18° to 60° C) working temperature range. The lamp(s) shall be provided with the following power cord length(s):
- CTA Lot # 1741001 shall have a 1' (ft) long power cord
  - CTA Lot # 1749441 shall have A 25' (ft) long power cord
- 2.14 The lamp (bulb) shall be guarded by an impact resistant shroud. The shroud shall permit transmission of light in the region specified in requirement 2.2. Shielded regions about the light circumference shall reflect incident light such that the luminescence of the lamp is maximized. Shielding shall be permanent, unaffected by abrasions and impacts characteristic of maintenance and repair environments.
- 2.15 The light shall have a hanger (hook) configuration for suspending the light in a vertical, power cord down position. The hanger shall be constructed to support a suspended light assembly and 36 ounces of unrestrained extension cord from a 1¼" diameter ladder rung.
- 2.16 The light shall be listed with and bear the symbol of Underwriters Laboratory, Incorporated (UL).

3. APPROVED AND NON-APPROVED ITEM INFORMATION

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

4. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this contract document. Potential bidders requiring additional information from person(s) listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the contract document.

Distribution:      Manager, Bus Heavy Maintenance, SS

GC/jo - Initial Specification - 3/8/68  
JSC/jsc - 13<sup>th</sup> Revision - 5/18/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**GAS TORCH REPLACEMENT PARTS AND ACCESSORIES**  
**SPECIFICATION NO. CTA 3455-05b(R10)**

**1     SCOPE**

- 1.1   This specification details the requirements for gas torch replacement parts and accessories used in welding, brazing, soldering and heating processes employed during the maintenance of Chicago Transit Authority facilities and vehicles.

**2     REQUIREMENTS**

- 2.1   The Contractor shall furnish new gas torch replacement parts and accessories (parts) as requested in each contract release. Parts include, but are not limited to, torch handles, bodies and tips for welding, cutting and heating. Accessories include, but are not limited to, gas pressure regulators (regulators), cutting attachments, spark lighters (strikers) and flints.
- 2.2   Parts shall be suitable for welding, brazing, soldering and heating processes with the specified gas(es). Parts designated for use with propane shall be suitable for operations utilizing propane (dimethylmethane,  $C_3H_8$ ), liquefied petroleum (LPG), methyl acetylene propadiene (MAPP,  $C_3H_4$ ) and mixtures thereof.
- 2.3   Parts shall be suitable for operation with the commercial, or purer, grade of the specified gas(es).
- 2.4   Each furnished part shall be composed and constructed to mate and function with the existing Chicago Transit Authority (CTA) equipment designated in the part description. Parts necessitating alteration, adaptation, modification or supplementary processes are not acceptable.
- 2.5   All parts shall be furnished in the original equipment manufacturer's (OEM's) packaging. The OEM documentation, labeling and product identification are included in this requirement.
- 2.6   Torch bodies, handles and gas regulators shall be furnished with the requested threaded inlet connection(s). The use of adapters is not permitted. Connections shall conform to Compressed Gas Association (CGA) standards.
- 2.7   When requested, fuel gas torch handles shall be furnished with a flash arresting check valve installed at each gas inlet.

## 2 REQUIREMENTS (Cont.)

- 2.8 Fuel gas torch gas valve controls shall be located at the location specified. Front controls shall be located toward the flame; rear controls shall be located toward the hose connection (away from the flame).
- 2.9 Fuel gas torch handles need not be furnished with hoses.
- 2.10 Gas regulators shall reduce the inlet pressure utilizing the specified number of stages.
- 2.11 Each regulator shall feature an inlet device (filter) to remove and contain solid particles and debris potentially damaging to the regulator internal components.
- 2.12 Acetylene regulators shall feature a removable, treaded, metallic, rising adjustment device. The device shall accommodate CTA's practice of brazing a hex nut to the device to restrict the outlet (discharge) pressure to 15 psig or less. Devices incorporating knobs composed of a polymer do not satisfy this requirement.
- 2.13 Unless otherwise specified, each regulator shall be listed with and bear the symbol of a national insurance safety organization. Regulators listed with Underwriters Laboratories Incorporated (UL; Northbrook, IL) or registered with Factory Mutual Insurance Company (FM; Johnston, RI) have been used to satisfy this requirement. UL 252, *Compressed Gas Regulators*, is included in this requirement.
- 2.14 Unless otherwise specified, each regulator shall be furnished with two installed pressure gauges. One gauge shall display the regulator inlet pressure; the other shall display the outlet (discharge) pressure. Gauges shall feature 2.4" (60 mm) or larger dials. Gauge pressures shall be displayed in pounds per square inch (psig).  
Exception: Regulators featuring CGA-200 or CGA-520 inlet connections (as intended for size 'MC' and 'B' acetylene cylinders) may be furnished with a single inlet gauge featuring a 1.2" (30 mm), or larger, dial. Gauge graduations may be displayed as the portion of cylinder contents remaining.
- 2.15 The version of each referenced standard, code and regulation that is current on the day of the invitation to bid shall apply.

## 3. APPROVED AND NON-APPROVED ITEM INFORMATION

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

4. CONTRACT INFORMATION

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this contract document. Potential bidders requiring additional information from person(s) listed in the special conditions must route their requests through the Procurement Administrator. Potential bidders who contact any CTA personnel other than the Procurement Administrator will be considered in violation of the provisions of the contract document.

Distribution: Manager, Bus Heavy Maintenance  
Manager, Structural Maintenance  
Manager, Technical Support – West Shops

Initial Spec. - 10/7/68  
CE/che – 9<sup>th</sup> Revision – 9/28/05  
JSC/jsc – Reviewed – 07/22/10



# CHICAGO TRANSIT AUTHORITY

## DETAIL SPECIFICATION FOR

**TOOL SET: FIFTEEN (15) PIECE, SPECIAL ASSEMBLY, 1/4" SQUARE DRIVE,  
SAE SERIES, MECHANIC'S HAND SOCKET WRENCHES WITH STEEL BOX**

**SPECIFICATION NO. CTA 3480-10  
CTA ITEM NO.: 1731812**

### 1. SCOPE

- 1.1 This specification will describe the requirements for a Contractor to furnish a specially assembled fifteen (15) piece, 1/4" square drive, SAE Series mechanic's hand socket wrench tool set, assembled in a steel storage box.

### 2. DETAILED REQUIREMENTS

- 2.1 The 15 piece tool sets furnished to this specification shall be comprised of the following
- 2.1.1 One (1) Hinged handle, per ANSI/ASME B107.10M, Type 1, Class 1.
- 2.1.2 Ten (10) Single hex sockets, sizes 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2" and 9/16", per ANSI/ASME B107.1, Class 1, Style A.
- 2.1.3 Three (3) Double square sockets, sizes 1/4", 5/16", and 3/8", per ANSI/ASME B107.1, Class 2, Style A.
- 2.1.4 One (1) Steel storage box, 6-1/2" to 7-1/2" long x 3-1/2" to 4-1/2" wide x 1" to 2" high, painted inside and out with an industrial enamel. Box shall include a handle on the lid and a draw latch to secure the lid.
- 2.2 Sockets and handle shall be manufactured of high carbon alloy steel, generally containing chromium or vanadium either singly or in various alloying combinations. The various tool items furnished to this specification shall comply in full with the requirements specified in the current version of the ANSI/ASME Standards listed in this specification.
- 2.3 Wrench Openings - Socket wrench bolt and nut openings shall not exceed the extreme limits of the "Go" - "No Go" Gages specified in ANSI/ASME B107.17M.
- 2.4 Square Drives - Male and female drive end dimensions and tolerances shall conform to ANSI/ASME - B107.4M.

2. DETAILED REQUIREMENTS (Cont.)

- 2.5 All components shall be marked with the manufacturer's name and/or logo, and the country of origin. Sockets shall have the size legibly identified per ANSI/ASME B107.1 requirements.

3. CERTIFICATION

- 3.1 Tools furnished shall include documentation that tools supplied comply with the applicable ANSI/ASME standards listed.

4. APPROVED AND NON-APPROVED ITEM INFORMATION

- 4.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

5. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 5.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract document. Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

DISTRIBUTION: Mgr. II, Rail Heavy Maintenance-Skokie  
Mgr. II, Rail Technical Services

MD/dsd - 3rd Revision -5/12/99  
MD/md - 7th Revision - 03/09/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATIONS**  
**FOR**  
**SOCKET WRENCHES: HAND TYPE, INCLUDING HANDLES AND ATTACHMENTS**  
**U.S. INCH SERIES AND METRIC SERIES**  
**SPECIFICATION NO. CTA 3991- 09**

1. SCOPE

- 1.1 This specification covers hand type wrench sockets, handles, and related attachments to be furnished in various U.S. Inch and Metric sizes, for 1/4", 3/8", 1/2", 3/4" and 1" square drives, to be used throughout the Chicago Transit Authority System.

2. GENERAL INFORMATION

- 2.1 Terminology - The term Supplier as used throughout this specification, shall be understood to mean Contractor or Vendor.
- Bidder: Potential Suppliers interested in furnishing socket wrench tools and that have submitted a bid proposal for CTA evaluation.
  - Contractor: A company or firm that has been awarded an annual, biennial or triennial over money contract to supply socket wrench tools per job release.
  - Vendor: A company or firm awarded a one time under money contract to supply socket wrench tools for one order.
  - Over money contract: A contract having a budgeted funding for \$10,000 and above. All tools to be furnished under an over money contract will be found in the Bid Proposal pages section with descriptions, and individually identified by a CTA Item Number (when available).
  - Under money contract: A contract having a budgeted funding up to \$9,999.99. All tools to be furnished under an under money contract will be found in the Request For Quotation (RFQ) with descriptions, and individually identified by a CTA Item Number (when available).
- 2.2 Approved Manufacturers and their approved part numbers, as referenced in this specification will be found in the CTA Item Number description located in the Bid Proposal pages of the Contract Document or the RFQ.

### 3. DETAILED REQUIREMENTS

- 3.1 When indicated in the Contract Document or RFQ, documentation verifying that tools furnished comply with the applicable ASME, ISO, and/or Federal standards listed in this specification must be furnished with each tool.
- 3.1.1 The latest version to the standards at the time of invitation for bid shall apply.
- 3.2 Applicable Standards - The hand type socket wrenches, handles, and attachments furnished shall be in full compliance with the requirements specified in the respective ASME and/or ISO standards listed below.
- ASME B107.1: Socket Wrenches, Hand.
  - ASME B107.4: Driving and Spindle Ends for Portable Hand, Impact, Air, and Electric Tools (Percussion Tools Excluded).
  - ASME B107.5M: Socket Wrenches, Hand (1/4" to 3/4" Drive Metric Series).
  - ASME B107.10M: Handles and Attachments for Hand Socket Wrenches - Inch and Metric Series.
  - ASME B107.17M: Gages, Wrench Openings, Reference.
  - ISO 1174-1996/ part 1: Driving squares for hand socket tools.
  - ISO 1174-1996/ part 2: Driving squares for power socket tools.
  - Federal Specification GGG-W-641
- 3.3 The various kinds of hand type socket wrench tools and attachments covered under this specification include, but are not restricted to, the following:
- 3.3.1 Socket Wrench Tools
- Socket: Hexagon, regular length
  - Socket: Hexagon, long length
  - Socket: Double hexagon (12 point), regular length
  - Socket: Double hexagon (12 point), long length
  - Socket: Universal joint
  - Socket: Square and double square (4 and 8 point)
  - Socket: Spark plug (single and double hexagon)
  - Socket: With Screwdriver Bit (Flat and Cross Point, Short, Regular and Long Lengths)
  - Socket: With Hex Bit (Inch and Metric, Short, Regular and Long Lengths)
  - Socket: With Torx® Bit
  - Handle: Hinged
  - Handle: Speeder, brace type and screwdriver grip
  - Handle: Tee

### 3. DETAILED REQUIREMENTS (Cont.)

#### 3.3.2 Attachments

Universal Joint

Socket Wrench: Internal (socket head set and cap screw)

Style A - Short bit point

Style B - Long bit point

Bar: Extension

Style A - Solid

Style B - Flexible

Adaptor

3.4 Tolerances - The hand type tools furnished shall meet the following manufacturing tolerance requirements.

3.4.1 Wrench Opening Sizes - Wrench opening sizes of all metric series and U.S. inch series sockets and related attachments furnished shall be manufactured within the tolerances required by ASME B107.17M.

3.4.2 Square Drives - The male and female square drive sizes included in this specification are 1/4", 3/8", 1/2", 3/4" & 1" unless otherwise required, male and female drive end dimensions and tolerances shall conform to ASME B107.4, ISO 1174-1996/part 1 and 2, and/or Federal Specification GGG-W-641.

3.5 Finish - The finish coating of the hand tools furnished shall be an electrodeposited nickel/chromium plating. Cadmium or zinc coating may be permitted in some cases on 3/4" and 1" drive sizes if requested in contract document. Oxidized dark surfaces will be accepted for Type 1 socket wrenches only. Lacquered, japanned, or enameled hand type tools will NOT be accepted.

3.6 Markings - All items furnished shall be marked in a plain and permanent manner with the manufacturer's name or trademark. Additionally, all sockets shall be permanently marked with the wrench opening size.

### 4. APPROVED AND NON-APPROVED ITEM INFORMATION

4.1 The Supplier shall only furnish and deliver CTA approved hand type wrench sockets, handles, and related attachments (tools) under the terms of a given contract.

4.2 Should a Bidder wish to offer for CTA consideration an alternate tool not currently approved, the Bidder shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's tool approval process.

4. APPROVED AND NON-APPROVED ITEM INFORMATION (Cont.)

- 4.3 The time required for evaluating and/or testing each alternate tool offered will vary and depend on applicable procedures.
- 4.4 Approval of an alternate tool does not guarantee an order under a currently proposed or future contract.
- 4.5 Upon award of a contract, each tool furnished by the Supplier shall be identical to the tool that was approved.

5. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 5.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of the Contract Document or the Commodity Buyer listed in the RFQ.
- 5.2 Bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator.
- 5.3 Bidders who contact any CTA personnel other than the Procurement Administrator or Commodity Buyer will be considered in violation of the provisions of the Contract Document.

Distribution: Mgr., Technical Services - Bus  
Mgr., Technical Services - Rail  
Mgr., Technical Support  
Coord., Quality Inspection - Central Whse.

EHA/pk - Initial Specification - 5/08/75  
MD/md - 14th Revision - 03/11/09

# CHICAGO TRANSIT AUTHORITY

## DETAIL SPECIFICATION

### FOR

## SOCKETS: POWER DRIVE (IMPACT) AND RELATED ATTACHMENTS METRIC SERIES AND INCH SERIES

SPECIFICATION NO. CTA 3992-04(R09)

### 1. SCOPE

- 1.1 This specification covers the requirements for square drive, power drive (impact) sockets and related attachments, both Metric Series and Inch Series, used through out the Chicago Transit Authority (CTA) system for impact wrench use. The square drive sizes covered by this specification include: 3/8", 1/2", 3/4" and 1".

### 2. DETAILED REQUIREMENTS

- 2.1 Tools Required - The various kinds of square drive power (impact) tools required include, but are not limited to, the following.

Socket: Hexagon, regular length  
Socket: Hexagon long length  
Socket: Double Hexagon, regular length  
Socket: Double Hexagon, long length  
Socket: Square (four point), regular length  
Socket: Square (four point), long length  
Socket: Double square (eight point), regular length  
Socket: Double square (eight point), long length  
Universal Joint: Single and double hexagon, regular lengths and long lengths in various drive sizes  
Extension Bar: Various lengths and male/female drive sizes  
Adapter: Various female to male drive sizes  
Universal joint: Various male/female drive sizes

- 2.1.1 The CTA reserves the right to add or remove tools at any time through out the course of the contract.
- 2.2 Inch Series tools furnished shall comply in full with ASME B107.2-02 for the Class and Type specified in the Contract Document. Inch Series tools furnished per Federal Specification GGG-W-660 will also be accepted.
- 2.3 Metric Series tools furnished shall meet the material and physical properties requirements specified in ASME B107.2 and the dimensional requirements of ISO 1174-75(E) and where applicable ISO 1174-1975 / Amendment 1-1981 or latest for the particular type, class and style called for in the Contract Document.

## 2. DETAILED REQUIREMENTS (Cont.)

- 2.4 Wrench Openings & Drives - All Inch Series and Metric Series power (impact) sockets and attachments furnished shall meet the wrench opening tolerances and square drive dimensions and tolerances as specified in the following ASME standards.
- 2.4.1 Wrench Openings - Wrench opening sizes shall be manufactured within the tolerances required by ASME B107.17M-97, "Gauges, Wrench Openings, Reference".
- 2.4.2 Drives - Both male and female square drive ends shall be manufactured within the dimensions, tolerances and pull-off forces required by ASME B107.4M-95.
- 2.5 Finish Coating - The finish coating of the power drive tools required shall be black or dark industrial finish such as an oxide or phosphate coating. Bright nickel or chrome finish tools are NOT acceptable on power drive sockets and attachments furnished under this specification.
- 2.6 Markings - All power (impact) sockets and attachments furnished shall be marked in a plain and permanent manner with the manufacturer's name or trademark. Additionally all sockets shall be permanently marked with wrench opening size.
- 2.7 Standards Revision Dates - The dates and versions of Industry standards indicated throughout this specification are for reference only, the current revision or version at the time of Invitation For Bid shall apply.

## 3. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 3.1 Bidders requiring additional information shall contact the Procurement Administrator or Buyer listed on the front page of this Contract Document. Potential Bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator or Buyer. Potential Bidders who contact any Authority personnel other than the Procurement Administrator or Buyer will be considered in violation of the provisions of the Contract Document.

Distribution: Mgr., Technical Services, Bus  
Mgr., Technical Services, Rail

EHA/pk - Initial Specification - 5/5/75

MD/md - 14th Revision - 12/20/04

LR/lr - Reviewed and Reapproved- 4/27/09



**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**DRILLS: TWIST, HIGH SPEED STEEL**  
**SPECIFICATION NO. CTA 4081-05(R07)**

**1. SCOPE**

- 1.1** This Specification covers the requirements for supplying various types and sizes of high-speed steel twist drills used by the CTA for maintenance and repairs of buses, trains and utility trucks.

**2. GENERAL**

- 2.1** Drill points on twist drills, where applicable, shall be ground to point angles of industry standards unless otherwise specified.
- 2.2** Drills for stainless steel shall be dual cut, nitride overall or margin, 135 Deg. modified split point. Refer to National Aerospace Standard 907, Type B for further information.
- 2.3** Taper shanks shall be manufactured according to the requirements of American Standard (Morse) friction lock tapers.
- 2.4** The direction of twist of flutes shall be right hand unless left hand is specified.
- 2.5** All drills .125" and above shall be permanently marked with the manufacturer's name or trademark, initial H.S. or HSS (to indicate high speed steel) and the size.
- 2.5.1** All drills smaller than .125" shall be packaged with the Manufacturer's ID, size and HS or HSS indicating "High Speed Steel".

**3. QUALIFICATIONS**

- 3.1 Where applicable, all drills shall be in full compliance with National Aircraft Standard NAS 907 (latest revision) and this Chicago Transit Authority Specification. Drill points can be conventional (with 118° included angle) unless otherwise specified in the Contract Documents.
- 3.1.1 Where applicable, the hardness of the drills supplied typically shall be Rockwell Hardness (Rc) 63.5 – 66 for 75% of the flute length from the point end. Refer to the NAS 907 for further information on flute area hardness and applicable drill types.
- 3.1.2 The shank end of the applicable drills supplied shall be Rc 18 minimum one inch from the end of the drill shank. Refer to the NAS 907 for further information on the shank hardness and applicable drill types. Drills smaller than #30 may be fully hardened.
- 3.2 The Twist Drill supplier is to supply a letter with their bid Certifying that the applicable drills supplied are in compliance with NAS 907 Standard and the Chicago Transit Authority's descriptions and specifications.

**4. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS**

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator or Buyer listed on the front page of this Contract Document. Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their request through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

Distribution: Manager, Technical Service, Bus  
Manager, Technical Service, Rail  
Manager, Technical Support, West Shop

Initial Spec. - 2/26/76  
EBD/ebd – 14<sup>th</sup> Revision 06/29/05  
JSC/jsc – Reviewed – 07/02/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**TAPS AND DIES: THREAD CUTTING**  
**SPECIFICATION NO. CTA 4256-07(R2010)**

**1. SCOPE**

- 1.1 This specification covers thread cutting taps and dies which are used throughout the Chicago Transit Authority (CTA).

**2. GENERAL INFORMATION**

- 2.1 The latest version of the industry standards referred through this specification at the time of invitation for bid shall apply.
- 2.2 The various kinds of thread cutting taps and dies covered by this specification include, but are not limited to, the following:

**2.2.1 Application**

- a. Machine screw
- b. Fractional
- c. Pipe
- d. Metric

**2.2.2 Thread Forms**

- a. NC and UNC
- b. NF, UNF and UNEF
- c. NS and UNS (special)
- d. Pipe, American Standard
- e. Metric

**2.2.3 Materials**

- a. High speed tool steel
- b. Carbon tool steel

**2.2.4 Die Shapes**

- a. Adjustable round
- b. Adjustable hexagon
- c. Solid hexagon
- d. Solid square

### 3. DETAIL REQUIREMENTS

- 3.1 High speed steel ground thread taps shall comply with ASME B 94.9.
- 3.2 Carbon steel pipe taps shall comply fully with ASME B 94.9.
- 3.3 Carbon steel cut threads shall comply fully with ASME B 94.9.
- 3.4 Adjustable round dies and solid hexagon rethreading dies shall comply fully with Federal Specification's A-A-411, A-A-412, A-A-413, A-A-414, and A-A-415.
  - 3.4.1 The Federal standards listed above were cancelled without replacement by commercial standards. All dies supplied to the CTA which reference the Federal standards shall comply with the standard in effect prior to cancellation.
- 3.5 The taps and dies shall be free from imperfections and shall produce precise clean threads.
- 3.6 The taps and dies furnished shall be clearly and permanently marked with the manufacturer's name or trademark. They must also be marked with the applicable thread size and form. High speed steel taps and dies must be marked "H.S.". Taps and dies lacking manufacturer's identity will not be accepted.
- 3.7 Right hand cutting thread shall be furnished unless left hand cutting thread is called for in the Contract Documents.
- 3.8 Tap flute design shall be "straight" type unless "spiral" type is called for in the Contract Documents.
- 3.9 Tap point design shall be standard point unless "gun" or "spiral point" is called for in the Contract Documents.
- 3.10 Tap point chamfer (taper, plug or bottoming) shall meet the requirements of ANSI/ASME B94.9.

### 4. APPROVED AND NON-APPROVED ITEM INFORMATION

- 4.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

5. ADDITIONAL INFORMATION FOR BIDDERS

- 5.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of the Contract Document, or the Commodity Buyer listed on the front page of the Request For Quotation. Bidders who contact any Chicago Transit Authority personnel other than the Procurement Administrator or Commodity Buyer will be considered in violation of the provisions of the contract.

DISTRIBUTION: Mgr., Tech. Support - West Shops

EHA/mi - Initial Spec - 9/30/75

SAS/sas – 16<sup>th</sup> Revision - 03/01/07

MD/md - Reviewed & Re-Approved -03-09-10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**HAND TOOLS: HAMMERS, MALLETs, PLIERS,**  
**SCREWDRIVERS AND NUTDRIVERS**  
**SPECIFICATION NO. CTA 4330-10**

1. SCOPE

- 1.1 This specification covers various types of hand tools such as hand hammers, mallets, pliers, screwdrivers and nut drivers which will be used throughout the Chicago Transit Authority (CTA).

2. DETAILED REQUIREMENTS

- 2.1 The following table lists the hand tools including applicable industry standards:

**TABLE 1**

HAND TOOLS	STANDARDS
HAMMERS / MALLETs:	
Surface Protective	Fed. Spec. GGG-H-33a-1996 and Fed. Spec. NN-H-93c-1995
Ball Peen	Fed. Spec. GGG-H-86
Carpenter's	Fed. Spec. A-A-3099-96
PLIERS:	
Slip Joint	AISI/ASME Spec. B107.23-2004
Retaining Ring	AISI/ASME Spec. B107.19-2004
Diagonal Cutting	AISI/ASME Spec. B107.11-02
Lineman's	AISI/ASME Spec. B107.20-2004
Wire Twister –Cutter	AISI/ASME Spec. B107.18-2003
Needle Nose	AISI/ASME Spec. B107.13-2003
Slip Joint – Cutter	AISI/ASME Spec. B107.22M-98(2004)

2. DETAILED REQUIREMENTS (Contd.)

## 2.1 (Contd.)

**TABLE 1**

HAND TOOLS	STANDARDS
SCREWDRIVERS & NUTDRIVERS:	
Flat Tip, Regular Duty	Per ANSI/ASME Spec. B107.600-2008
Flat Tip, Bolstered	
Flat Tip, Cabinet	
Phillips (Cross Point)	
Inch Series Socket Wrench, Spin Type, Screwdriver Grip (Nut Driver)	Per ANSI/ASME Spec. B107.12-2004 or Fed. Spec. GGG-W-657c-1976
Metric Socket Wrench, Spin Type, Screwdriver Grip (Nut Driver)	Per ANSI/ASME Spec. B107.35M-97
Spiral Ratchet	Per ANSI/ASME Spec. B107.35M-97
Double Offset, Flat Tip & Phillips	Per ANSI/ASME Spec. B107.600-2008
Screw Starting Screw Drivers	Per Fed. Spec. GGG-S-121E

- 2.2 The version dates shown are for reference only, the current edition at the time of Invitation For Bid shall apply. The Federal Specifications listed in Sections 2.1 have been cancelled for use in Federal Contracts. The CTA requires the same level of quality as described in these specifications prior to their cancellation.
- 2.3 All cross tip sizes shall be manufactured within the tolerances required by ANSI/ASME B107.600-2008 gauging standard.
- 2.4 The hammers, mallets, pliers and screwdrivers/nutdrivers shall be new and covered in full by the manufacturer's warranty against defects in material and workmanship.
- 2.5 The finish coating of screwdriver and nutdriver shafts required shall be chromium or nickel as specified in the ANSI/ASME standard unless otherwise specified in the contract document.
- 2.6 All screwdrivers and nutdrivers furnished shall be marked in a plain and permanent manner with the manufacturer's name or trademark and with the tip or wrench size as required by the applicable ANSI/ASME standard.
- 2.7 CTA reserves the right to add to this contract other types and sizes of hammers, mallets, pliers, screwdrivers and nutdrivers that may be required.

3. APPROVED AND NON-APPROVED ITEM INFORMATION

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

4. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract document. Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

Distribution:           Mgr., Technical Services.-Rail  
                                  Mgr., Technical Support.

MD/dsd - 8th Revision -08/06/98  
MD/md - 13<sup>th</sup> Revision - 03-09-10



**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**WRENCHES: HAND (INCH & METRIC)**  
**SPECIFICATION NO. CTA 4367-10**

**1. SCOPE**

- 1.1 This specification covers the requirements for various hand wrenches in inch & metric sizes as required by the CTA.

**2. GENERAL**

- 2.1 The types of wrenches to be provided are of the following categories.
- 2.1.1 Hand type, non-adjustable Box Combination Open End
- 2.1.2 Hand type, adjustable Open End Pipe
- 2.2 The version of the referenced industrial or Federal standard, that is current at the time of invitation for bid shall apply.

**3. DETAIL SPECIFICATIONS**

- 3.1 Non-adjustable Wrenches - Unless otherwise indicated the following non-adjustable hand type wrenches shall be furnished in full compliance with ANSI/ASME B 107.6 for inch series wrenches, and ANSI/ASME B 107.9M for metric series wrenches:

Box: 12 PT., 15° Offset Each End, Regular Length & Short Length

Box: 12 PT., Modified Offset Each End

Box: 12 Pt., Single Head,

Combination: 15° Offset Each End

Engineers Wrench: Double Head and Open End, 15°

Ignition Wrench: Double Head, Open End 15° & 60° Heads

Structural Wrench: Offset Handle

Tappet Wrench: 15° Open End, double spearhead, and single spearhead

2. DETAIL SPECIFICATIONS (Contd.)

CTA 4367-10

2.1 Non-adjustable hand type wrenches (Contd.)

WRENCH

STANDARD

Flare-Nut Wrench:

ANSI/ASME B107.6

Single Head in open end, or modified  
12 point.

Double Head in open end or 6 point.

Thin Head Wrench:

ANSI/ASME B 107.6

Open End in Double head 15°

Single head straight

Single head 30°

Single head 15°.

BOX: Ratcheting

Fed. Spec. GGG-W-636E

ANGLE WRENCH:

Double Head and Open End

Fed Spec. GGG-W-636E

Type XVI - Angle wrench

Style 1 - 15° and 60°

Style 2 - 30° and 60°

2.2 Adjustable Wrenches - The following adjustable hand type wrenches shall be furnished in full compliance with the indicated ANSI/ASME standard or Federal standard for INCH series wrenches:

WRENCH

STANDARD

ADJUSTABLE:

ANSI/ASME B107.8

ADJUSTABLE: Open End

Fed. Spec. A-A-2345

ADJUSTABLE: Auto

Fed. Spec. A-A-2346

ADJUSTABLE: Monkey

Fed. Spec. A-A-2347

PIPE: Straight, Adjustable, Heavy-duty

Fed. Spec. GGG-W-651C  
Type II (Straight, heavy duty,  
adjustable) Class A - Drop forged or  
cast malleable iron steel

PIPE: Angle

Fed. Spec. GGG-W-651C  
Type VI Angle style, adjustable

2. DETAIL REQUIREMENTS (Con't.)

CTA 4367-10

2.3 Requirements of Wrenches

- 2.3.1 All wrenches proposed and furnished shall comply in full with the latest amendment and revision for the applicable ANSI/ASME standards. All Federal standards listed have been cancelled without replacement by commercial standards. All wrenches which reference the Federal standards shall comply with the standard that was in effect prior to cancellation.
- 2.3.2 Wrench opening sizes of all open end non-adjustable wrenches and box wrenches shall be manufactured within the tolerances required by ANSI/ASME B107.17M, Gages, Wrench Openings.
- 2.3.3 Wrenches required but not covered by a Federal or ANSI/ASME standard shall be equal in design, quality, performance and finish to the example(s) specified in the contract document.
- 2.3.4 The finish coating of wrenches required, except pipe wrenches, shall be chromium or nickel as required in the Federal or ANSI/ASME standard unless otherwise specified in the contract document.
- 2.3.5 All wrenches furnished shall be marked in a plain and permanent manner with the manufacturer's name or trademark, the wrench size as required by the applicable standard, and the country of origin.
- 2.3.6 CTA reserves the right to add to this contract other types and sizes of hand wrenches that may be required.

3. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 3.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract document. Potential bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

Distribution: Mgr., Tech. Services - Bus  
Mgr., Tech. Services - Rail  
Mgr., Tech. Support

MD/sh - 4th Revision - 11/16/95  
MD/md - 9th Revision - 03/09/10

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**SPECIALTY HAND TOOLS AND TEST DEVICES**  
**SPECIFICATION NO. CTA 4392-07(R09)**

**1     SCOPE**

- 1.1   This specification details the requirements for specialty hand tools, test devices and associated accessories used in the maintenance of Chicago Transit Authority facilities and equipment.

**2     REQUIREMENTS**

- 2.1   The Contractor shall furnish new specialty hand tools, test (analysis) devices and associated accessories (tools) as requested in each contract release. Releases may request tools exclusive to a particular model, series or other grouping of equipment. Refer to the contract documents for a current list of approved products. Refer to section 3 for product approval information.
- 2.2   The furnished tool shall be suitable for the function(s) for which it is intended, as specified by the equipment manufacturer or the Chicago Transit Authority (CTA). Requirements stated or indicated by descriptions, drawings and procedures are included in this requirement.
- 2.3   Each furnished accessory shall function with the existing CTA specialty hand tool or test device identified in the release. No modification of the tool or device shall be necessary for the accessory to function as stated herein. Use of adaptors is not permitted.
- 2.4   Tools shall be commercial grade, constructed and composed for use in industrial environments and applications.
- 2.5   Tools shall be furnished in the original tool manufacturer's packaging. The manufacturer's documentation, e.g. instructions, and product identification is included in this requirement.
- 2.6   Each furnished tools shall bear the manufacturer's standard warranty and new tool product support. Refer to the contract documents for additional warranty requirements.

2 REQUIREMENTS (Cont.)

- 2.7 Each furnished tool shall conform to all applicable federal, military, trade association and manufacturer requirements and standards.
- 2.8 The version of each referenced standard and procedure that is current on the date of the invitation for bid shall apply.

3 PRODUCT APPROVAL

- 3.1 The Contractor shall furnish only CTA approved items under the terms of this contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the Contractor shall be identical to the item that was approved.

4 CONTRACT INFORMATION

- 4.1 Refer to the contract documents for a list of specialty hand tools, test devices and accessories upon which Bidders shall base their proposals. Currently approved products are indicated in the list. Refer to section 3 for product approval information.
- 4.2 CTA reserves the right to request, test and review documentation and samples of proposed tools, devices and accessories without cost or obligation.
- 4.3 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this contract document. Potential bidders requiring additional information from person(s) listed in the special conditions must route their requests through the Procurement Administrator. Potential bidders who contact any CTA personnel other than the Procurement Administrator will be considered in violation of the provisions of the contract document.

Distribution: Manager, Bus Technical Services  
Manager, Rail Technical Services  
Manager, Technical Support – West Shops

Initial Specification – (pre-1995)  
CE/che – 8<sup>th</sup> Revision – 8/15/07  
JSC/jsc – Reviewed – 9/11/09

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**DIGITAL ELECTRICAL MULTIMETERS - HANDHELD**  
**SPECIFICATION NO. CTA 6174-10**

**1     SCOPE**

- 1.1    This specification details the requirements for handheld digital multimeters used by Chicago Transit Authority personnel to maintain electrical equipment and systems throughout the service area.

**2.     GENERAL INFORMATION**

- 2.1    Two models of multimeters are used, basic and deluxe.
- 2.2    The basic model is used by general electrical maintenance personnel including, but not limited to, substation electricians, building maintenance electricians, general maintenance electricians, bus electrical repairers and rail car electrical repairers performing basic electrical measurements.
- 2.3    The deluxe model is used by electrical/electronic technicians requiring detailed and specialized electrical measurements. These technicians include, but are not limited to, test engineers, signal engineers, communication maintenance technicians, bus maintenance technicians, rail car maintenance technicians and fare collection technicians.

**3.     GENERAL REQUIREMENTS – All Models**

- 3.1    The Contractor shall furnish new self-powered, handheld digital electrical multimeters as requested in each contract release.
- 3.2    Each multimeter (meter) shall be a model listed in the manufacturer's production schedule on the date of the Invitation to Bid or thereafter. Obsolete, discontinued, and new-old-stock models do not meet this requirement unless approved in writing by the Chicago Transit Authority (CTA).
- 3.3    Unless otherwise specified, multimeters shall be suitable for quantitative measurement of electrical properties including, but not limited to, alternating current (AC) voltage, AC current, frequency, direct current (DC) voltage, DC current, resistance, continuity and capacitance. Multiple property values need not be displayed simultaneously. Refer to the detailed item requirements of this specification for required property ranges.

### 3. GENERAL REQUIREMENTS – All Models (Cont.)

- 3.4 Multimeter measurements shall be displayed in numeric digits. The display shall feature 5000 counts or more, i.e. 3.5 digits or greater. The height of the digits shall be 0.53" (13.5 millimeters, mm) or taller.
- 3.5 The multimeter shall be configured with an analog or simulated analog display of quantitative measurements. The display may feature a linear (bar) or rotational (sweep needle) displacement. The display may be separate from or incorporated with the digital display of requirement 3.4.
- 3.6 Each multimeter function shall display the prescribed electrical property value without necessitating the adjustment by the operator (autoranging). Multimeters must also feature selectable function ranges in addition to automatic ranging.
- 3.7 The multimeter property ranges specified herein may be partitioned, provided continuity of the range is maintained. The resolutions specified shall be observed over the lower 15%, or greater, of the respective property range. Specified accuracies shall apply throughout the property range. Finer resolutions and greater accuracies are acceptable. Multimeters shall be furnished calibrated throughout their usable ranges.
- 3.8 AC properties shall be displayed in true root mean squared (rms) values. Average and rms indicating values may supplement, but are not a substitute for true rms values.
- 3.9 DC voltage shall be displayed irrespective of the polarity of the test lead connections. The negative sense shall be clearly designated in the multimeter display.
- 3.10 The multimeter shall denote electrical continuity both audibly and visually. Continuity shall be designated for resistance across the lead probes of 10 ohms or less.
- 3.11 The multimeter shall be equipped with a low voltage test feature to verify the proper operation of conventional, solid-state diodes.
- 3.12 The multimeter shall feature a monitoring mode whereby minimum, maximum and time averaged properties are displayed and measured throughout a sampling period of 24 hours or longer. Unless otherwise specified, sampling periods shall be 275 milliseconds (ms) or shorter.
- 3.13 The multimeter shall feature a measurement holding mode whereby measured property values are displayed and retained after the test leads have been disconnected from the electrical component.

3. GENERAL REQUIREMENTS – All Models (Cont.)

CTA 6174-10

- 3.14 The multimeter display shall be legible under low ambient light environments. Backlit displays may be utilized to meet this requirement.
- 3.15 The multimeter shall be self-powered by common, conventional, replaceable dry cell batteries conforming to the National Electronic Distributors Association (NEDA) standard. Battery replacement shall not necessitate disassembly of the meter case/housing. Batteries shall be contained and concealed by an electrically nonconductive access door or cover. Each multimeter shall be furnished and packaged with a set of new, fresh batteries.
- 3.16 Low battery conditions shall be indicated prior to the multimeter becoming partially or totally nonfunctional.
- 3.17 The multimeter shall perform any and all functions of this specification with minimal power consumption. Measurement of an arbitrary assortment of electrical properties shall not necessitate the replacement or recharging of the multimeter power source (batteries) within a period of 72 hours, or more. CTA acknowledges use of the multimeter auxiliary illumination, identified in requirement 3.14, may reduce the prescribed time period to 40 hours or more.
- 3.18 The multimeter shall incorporate a power source (battery) conservation feature (auto-off) that significantly reduces power consumption during (electrically) static periods.
- 3.19 Each multimeter shall be configured to be self-supporting in each of the following positions: flat, inclined approximately 60° from a level surface and suspended from horizontal piping. Multimeters affording these positions in conjunction with a readily available, removable case or cover (holster) are acceptable.
- 3.20 The meter shall remain operational following six (6) 32-inch freefall drops onto a flat concrete surface. Meter orientation at the commencement of each drop shall be arbitrary.
- 3.21 The multimeter shall be constructed to minimize the infiltration of solid and liquid contaminants (dust proof and splash proof).
- 3.22 The multimeter shall be unaffected by electro-magnetic interference (EMI) characteristic of industrial environments.
- 3.23 Each multimeter shall be furnished with a pair of replaceable, color coded (black, red) test probes featuring 48", or longer, leads. Each lead shall feature an insulated, color matched 4 mm banana plug compatible with jacks integral to the multimeter housing. Siamese or twisted pair leads are not acceptable.



3. GENERAL REQUIREMENTS – All Models (Cont.)

CTA 6174-10

- 3.24 The meter and leads shall be composed for operation in indoor and outdoor environments with temperatures ranging from 20° to 110°F (-7° to 43°C). Probes and leads shall be unaffected by exposure to water, ultraviolet (UV) light, petroleum based greases and oils, mild soaps and detergents. Properly composed silicon rubber has been used to meet this requirement.
- 3.25 The multimeter shall exhibit an electrical impedance of 10 megaohms (MΩ) or higher and 100 picofarads (pF) or lower when arranged for voltage measurements.
- 3.26 The multimeter test lead circuitry shall contain a fuse or other suitable overcurrent protection device to interrupt currents potentially damaging to the multimeter.
- 3.27 Multimeters shall be lightweight and compact. The combined weight of the meter, housing, leads and battery shall not exceed 24 ounces (oz.; 680 grams, g). When assembled for use, said components shall be contained within an envelope 2.5" deep, 4" wide and 9" long, (64D x 102W x 229L millimeters, mm).
- 3.28 Each multimeter shall be furnished in the manufacturer's original packaging. The manufacturer's standard package labeling, documentation and accessories are included in this requirement.
- 3.29 The multimeter shall bear the manufacturer's standard warranty and product support for new equipment.
- 3.30 Unless otherwise specified, multimeters shall constructed in accord with International Electrotechnical Commission (IEC) standard 61010-1, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1, for category III, 1000 volt installations.
- 3.31 Unless otherwise specified, multimeters shall be listed with and bear the seal of Underwriters Laboratories (UL; Northbrook, IL) for compliance with UL 61010B-1, Electrical Measuring and Test Equipment; Part 1.
- 3.32 The version of all standards, regulations and codes referenced herein that are current on the date of the Invitation For Bid shall apply.

4. DETAILED REQUIREMENTS – Basic Model, CTA Item #3154009

- 4.1 The multimeter shall be suitable for the electrical property ranges specified in table 1, or beyond.
- 4.2 Multimeters shall be constructed in accord with International Electrotechnical Commission (IEC) standard 61010-1, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1, for category IV, 600 volt installations. This requirement is in addition to that specified in requirement 3.30.

4. DETAILED REQUIREMENTS – Basic Model, CTA Item #3154009 (Cont.) CTA 6174-10
- 4.3 The multimeter shall exhibit a usable AC measurement bandwidth of 1 kilohertz (kHz) or greater.

Table 1 – Basic Multimeter Measurement Ranges

Property	Range	Resolution	Accuracy (+/-)
AC Voltage	0 – 1000 V	0.1 mV	1% + 3
DC Voltage	0 – 1000 V	0.1 mV	0.15% + 2
AC Current	0 – 10 A	10 $\mu$ A	1.5% + 3
DC Current	0 – 10 A	10 $\mu$ A	1% + 3
Resistance	0 – 50 M $\Omega$	0.1 $\Omega$	1.5% + 2
Capacitance	0 - 1 mF	1 nF	0.1% + 1
Frequency	2 – 100 kHz	0.1 Hz	

Accuracy is stated as (% of full scale reading + number of least significant digits).  
AC voltage accuracy is stated for sinusoidal frequencies of 50 to 500 Hz.

5. DETAILED REQUIREMENTS – Deluxe Model, CTA Item #1724026
- 5.1 The multimeter shall be suitable for the electrical property ranges specified in table 2, or beyond.
- 5.2 In addition to the electrical properties of requirement 3.3, the multimeter shall be suitable for quantitative measurement of conductance.
- 5.3 Relative to requirement 3.11, the multimeter shall have a sampling period of 1 millisecond or less.
- 5.5 The multimeter shall exhibit a usable AC measurement bandwidth of 20kHz or greater.
- 5.6 The multimeter shall feature circuitry and controls to determine and display the active duration (duty cycle) of the fluctuating voltage and current signals. Threshold (trigger) values shall be user selectable or fixed by the multimeter manufacturer. The active duration shall be expressed as a time-based percentage of the signal period.

5. DETAILED REQUIREMENTS – Deluxe Model, CTA Item #1724026 (Cont.) CTA 6174-10

Table 2 – Deluxe Multimeter Measurement Ranges

Property	Range	Resolution	Accuracy (+/-)
AC Voltage	0 – 1000 V	0.1 mV	1% + 4
DC Voltage	0 – 1000 V	0.1 mV	0.1% + 1
AC Current	0 – 10 A	0.1 $\mu$ A	1.5% + 2
DC Current	0 – 10 A	0.1 $\mu$ A	0.2% + 4
Resistance	0 – 50 M $\Omega$	0.1 $\Omega$	1% + 3
Conductance	0 – 50 nS	10 pS	1% + 10
Capacitance	0 – 10 $\mu$ F	10 pF	1.5% + 2
Frequency	0.5 – 200 kHz	0.1 Hz	0.005% + 1

Accuracy is stated as (% of full scale reading + number of least significant digits).  
AC voltage accuracy is stated for sinusoidal frequencies of 50 to 1 kHz.

6. CONTRACT INFORMATION

6.1 Examples of multimeters that meet the fundamental requirements of this specification are:

Basic model, item #3151009:

- 170 Series Digital Multimeter, model #177 by Fluke Corporation (Everett, WA)

Deluxe model, item #1724026:

- 80 Series V Analog/Digital Multimeter, model #87-V by Fluke Corporation (Everett, WA)

Note: Factory or distributor supplied options may be required to meet all requirements of this specification.

6.2 Bidders shall provide a warranty statement, pursuant to requirement 3.27 with their proposal or within five (5) business days of a CTA request. The statement shall detail the terms, conditions and limitations under which the warranty would be in effect.

6.3 CTA reserves the right to review and inspect examples, prototypes and documentation of proposed multimeters and accessories without cost or obligation.

6.4 Bids containing written requests for deviations from the listed dimensions, capabilities and other operating parameters of this specification will be judged in regard to their effect on the ability of the proposed multimeter(s) to meet CTA's needs. CTA shall be the final judge of the acceptability of any such deviations.

6. CONTRACT INFORMATION (Cont.)

CTA 6174-10

- 6.5 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this contract document. Potential bidders requiring additional information from person(s) listed in the Special Conditions must route their requests through the Procurement Administrator. Potential bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the contract document.

Distribution: Mgr., Track Power & Way Maintenance  
Mgr., Technical Support – West Shops  
Mgr., Rail Technical Services  
Mgr., Bus Technical Services

WGD/el – Initial Specification – 1/18/89  
MD/md – 6<sup>th</sup> Revision – 03/10/10

# CHICAGO TRANSIT AUTHORITY

## DETAIL SPECIFICATION FOR PADLOCKS

### SPECIFICATION NO. CTA 6825-09

#### 1. SCOPE

- 1.1 This specification covers the requirements for various types, grades, and sizes of Padlocks and associated parts that are utilized for security purposes throughout the Chicago Transit Authority (CTA).

#### 2 REQUIREMENTS

- 2.1 Specific descriptions of the Padlocks, as well as a list of approved manufacturers and part numbers, are listed in the Contract Documents. Only Padlocks approved for use by the CTA will be purchased.
- 2.2 The padlocks furnished under this specification shall meet the environmental, functional, operational, and security requirements as called for in ASTM F883-04, or latest.
- 2.3 The Contractor shall supply only new genuine Padlocks of the manufacturers listed as approved in the Contract Documents. Padlocks supplied under CTA Item Number 1904023 shall have the month and year of purchase and the letters "CTA" embossed on the back of each Padlock case.

#### 3. APPROVED AND NON-APPROVED ITEM INFORMATION

- 3.1 Contractor shall only furnish and deliver CTA approved items under the terms of a given contract. Should a potential contractor wish to offer for CTA consideration an alternate item not currently approved, the potential contractor shall first contact the CTA Procurement Administrator or Buyer for details on the CTA's item approval process. The time required for reviewing and/or testing each item offered will vary and depend on applicable procedures. Approval of an item does not guarantee an order under a currently proposed or future contract. Upon award of a contract, each item furnished by the contractor shall be identical to the item that was approved.

4. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 4.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract Document. Potential Bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential Bidders who contact any CTA personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

DISTRIBUTION: Manager, Systems Maintenance

LS/el - Initial Specification - 8/6/90  
SAS/sas - 9<sup>th</sup> Revision - 01/03/07  
SAS/sas - Reviewed - 01/15/09

**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**PERSONAL PROTECTIVE GLOVES**  
**SPECIFICATION NO. CTA 9134-10A**

**1. SCOPE**

- 1.1 This specification covers the requirements for supplying gloves used for various applications throughout the Chicago Transit Authority (CTA).

**2. GENERAL REQUIREMENTS**

- 2.1.1 This specification is intended to be descriptive, not restrictive, and is solely for the purpose of indicating the type and quality level of Gloves, which meets the requirements of the CTA. Should a manufacturer's name, a brand name, a model number etc. be used in this specification or contract documents, please add the words "or equal in quality" immediately afterwards.
- 2.1.2 Gloves shall be constructed in a thoroughly workmanlike manner and shall be clean and free from any defects that might affect appearance or functional ability.

**3. DETAIL REQUIREMENTS**

**a. Natural Latex Rubber**

- ♦ CTA Item numbers: 1902753 (Sz. 10 or XL) and 1903048 (Sz. 9 or Large)

Natural latex rubber gloves shall meet the following requirements:

- Unsupported 100% natural latex
- Length: 11-14 inches
- Thickness: 17 to 20 mils
- 100% cotton flocked lined for user comfort
- Patterned embossed grip finish
- Pinked cuff for easy donning
- Color: Yellow or Blue

3. DETAIL REQUIREMENTS (Contd.)

b. Winter Liner, Knit Wrist

- ◆ CTA Item number: 1904014

Winter liner knit wrist gloves shall meet the following requirements:

- Seamless string knit
- Standard weight 100% wool yarn
- Two inch wrist cuff with hemmed edge
- Men's or Large size
- Natural or grey

c. Latex Coated, Knit Wrist

- ◆ CTA Item number: 1902759

Latex coated gloves shall meet the following requirements:

- Standard (not Economy) weight seamless Cotton/Polyester blend knit shell
- Grey or Natural knit
- Blue Latex coated on palm, front fingers, thumb and thumb crotch
- Knit wrist cuff
- Textured palm
- Cut, abrasion and puncture resistant
- Rough coating for handling slippery objects
- Latex coating shall be uniform in thickness with no signs of porosity
- Men's large or 10

d. Cotton Canvas Flannel

- ◆ CTA Item numbers: 1902732

Canvas cotton canvas gloves shall meet the following requirements:

- 100% woven cotton canvas
- 8 ounce weight
- Natural color
- Knit wrist, 2.5 inches minimum
- Clute pattern, straight thumb
- Size - Men's large



3. DETAIL REQUIREMENTS (Contd.)e. Leather Palm Gauntlet

♦ CTA Item number: 1902720

f. Leather Palm, Knit Wrist Cuff

♦ CTA Item number: 1902721

Leather palm gauntlet and leather palm knit wrist cuff gloves shall meet the following requirements:

- Gauntlet cuff gloves shall have leather palms with continuous leather pull patch, elastic gather on back, leather palm side of fingers, full leather forefingers and full leather thumb, leather back fingers tips and knuckle reinforcement.
- Gauntlet cuff shall be approximately 4.5 inches.
- Gauntlet cuff and knit wrist gloves shall have 8 ounce color striped cotton backs.
- Gauntlet cuff gloves shall have one-piece waterproof gauntlets constructed of laminated cotton with finished fabric weight of approximately 19 oz per square yard.
- Gauntlet cuff gloves shall be Gunn pattern with wing thumb.
- Knit wrist gloves shall be Clute pattern with straight thumb.
- Knit wrist shall be 2.5 inches.
- Leather - The leather for the gauntlet cuff and knit wrist gloves shall be pearl gray or cream split cattle hide equal to Select B Grade shoulder split. The leather shall be soft and pliable and shall be free from holes, cuts and thin spots. No economy grades.
- Lining - The gauntlet cuff and knit wrist glove palm and palm side of fingers and thumb shall be lined with minimum 6 oz. cotton fleece or flannel.
- Size - Gauntlet and knit wrist gloves shall be men's full size.

3. DETAIL REQUIREMENTS (Contd.)

g. Leather, Welders

♦ CTA Item number: 1952703

Leather, Welders gloves shall meet the following requirements:

- Welder's type
- Seamless one piece pearl split shoulder B Grade standard leather, not regular or economy
- Size Men's or XL
- Overall length: approx. 13-14 inches
- Clute pattern
- Wing thumb
- All in-seams and major seams welted
- Cuff
- Full jersey lined

h. Leather, Drivers

♦ CTA Item number: 1952706

Leather, Drivers gloves shall meet the following requirements:

- Driver's type
- B Grade grain cowhide leather palm
- Shirred side or split shoulder cow leather back with elastic
- Keystone thumb
- Gunn cut
- Unlined
- Polyester or Kevlar stitching
- Size Men's or XL

3. DETAIL REQUIREMENTS (Contd.)

I. Neoprene Coated, Abrasion and Chemical Resistant Gauntlet

♦ CTA Item number: 1905097

Neoprene coated chemical resistant gauntlet gloves shall meet the following requirements:

- Neoprene fully coated
- Approx. 31" shoulder length gauntlet
- Two piece interlock knit cotton lining
- Flexible
- Suitable for handling slick, abrasive materials.
- Full protection against anhydrous ammonia, alcohols, and most mineral and organic acids.
- Curved fingers
- Wing thumb
- Men's size or Large

J. Lineman, General Purpose Leather With Gauntlet

♦ CTA Item number: 1902718

Lineman leather work gloves with gauntlet shall meet the following requirements:

- Color: Yellow
- Heavy top grain leather
- Two piece split leather cuff
- Approx. 4-5 inch cuff
- Full welt inseam thumb.
- ½ finger davy tip welts at fingertips and gunn seam
- Double stitched seams
- Gunn cut
- Size 11.

3. DETAIL REQUIREMENTS (Contd.)

k. Electrical Insulation, Class 2, Rubber, Two Color

♦ CTA Item number: 1922706

Class 2 electrical insulation rubber gloves shall meet the following requirements:

- Length - 14"
- Size - 11"
- The interior of the glove shall be a red and the exterior of the glove shall be black.
- All natural rubber
- Straight cuff
- Gloves shall meet the requirements of ASTM D120-95, "Rubber Insulating Gloves".
- Gloves shall be Type I, non-resistant to ozone.
- Class 2 - proof test, 20,000 volts, AC, three minutes
- Gloves shall be seamless.
- Each glove shall be permanently marked indicating the name of the manufacturer, ASTM D120, type, class, size, and maximum use voltage AC.
- Each pair of gloves shall be provided with instructions for proper use, inspection, testing criteria, storage and cleaning.
- Gloves shall be shipped in an individual box containing one pair. The box shall contain a label which states: Catalog number, Type, ANSI/ASTM Class, Length, Color, Cuff and ASTM-D120 conformance.

l. Leather Protector for Class 2 Electrical Insulation Rubber Glove

♦ CTA Item number: 1902755

Leather protector gloves for Class 2 electrical insulation rubber gloves shall meet the following requirements:

- Size 11-11.5
- 12 inch overall length
- Grain cowhide leather with 3-4 inch cuff
- Gunn Cut with straight thumb
- Tough leather on palm side of cuff
- Vinyl on back side of cuff
- Non-metallic buckle with adjustable strap
- Heavy duty polyester/nylon or Kevlar stitching thread
- Conform to ASTM F696 standard
- Tailored to fit over electrical rubber insulating gloves

3. DETAIL REQUIREMENTS (Contd.)

m. Electrical Insulating, Class 0, Rubber

- ♦ CTA Item number: 1900032-Size 11
- ♦ CTA Item number: 1902765-Size 10
- ♦ CTA Item number: 1902764-Size 9

Class 0 electrical insulating rubber gloves shall meet the following requirements:

- Length – 11 inches
- The glove shall be red or blue.
- All natural rubber
- Straight cuff
- Gloves shall meet the requirements of ASTM D120-latest.
- Gloves shall be Type I, non-resistant to ozone.
- Class 0, proof test 5,000 volts, AC, three minutes
- Class 0, 1000 AC maximum use voltage
- Gloves shall be seamless.
- Each glove shall be permanently marked indicating the name of the manufacturer, ASTM D120, type, class, size, and maximum use voltage AC.
- Each pair of gloves shall be provided with instructions for proper use, inspection, testing criteria, storage and cleaning
- Gloves shall be shipped in an individual box containing one pair. The box shall contain a label which states: Catalog number, Type, ANSI/ASTM Class, Length, Color, Cuff and ASTM-D120 conformance.

n. Leather Protector, for Class 0 Electrical Insulation Rubber Glove

- ♦ CTA Item number: 1900031-Size 11
- ♦ CTA Item number: 1902766-Size 10
- ♦ CTA Item number: 1902763-Size 9

Leather protector gloves for Class 0 electrical insulation rubber gloves shall meet the following requirements:

- 10 inch length
- Grain cowhide or goatskin
- Gunn Cut
- Keystone thumb
- Straight cuff
- Conform to ASTM F696
- Heavy duty polyester stitching

3. DETAIL REQUIREMENTS (Contd.)

o. Polyvinyl Chloride Coated, Knit Wrist, Smooth Finish

♦ CTA Item number: 1952700

Polyvinyl knit wrist gloves shall meet the following requirements:

- Polyvinyl fully coated.
- Super flexible
- Yellow or fluorescent orange.
- Smooth finish.
- Cotton or jersey lining
- Wing thumb
- Men's size

p. Polyvinyl Chloride Coated, Gauntlet Cuff, Smooth Finish

♦ CTA Item number: 1952701

Polyvinyl knit gauntlet cuff type gloves shall meet the following requirements:

- Polyvinyl fully coated.
- Super flexible
- Yellow or fluorescent orange.
- Smooth finish.
- 100% Cotton or jersey lining
- Wing thumb
- 12 inch gauntlet
- Men's size or large

q. Neoprene/Latex

♦ CTA Item numbers: 1902728 (Sz. 9 or Large) and 1902751 (Sz. 10 or XL)

Neoprene/latex gloves shall meet the following requirements:

- Neoprene over latex
- Unsupported
- 100% cotton flock lining
- Length: 12"
- Thickness: 20-28 mils
- Embossed diamond or pebble grip
- Straight thumb

3. DETAIL REQUIREMENTS (Contd.)

r. Neoprene Coated Super Flexible

- ♦ CTA Item numbers: 1902730 (Sz. 10 or XL) and 1902745 (Sz. 9 or Large)

Neoprene flexible gloves shall meet the following requirements:

- Supported neoprene fully coated
- Super flexible
- Cotton interlock knit lining
- Curved pre-flexed fingers
- Rough or sandy finish.
- 12" gauntlet

s. High Temperature Kevlar

- ♦ CTA Item number: 1902756

High temperature Kevlar gloves shall meet the following requirements:

- Heavyweight, 45 ounce
- Material: PBI (Polybenzamidazole) blend
- Temperature Rating: 2600 Deg. F
- 14 " Length
- An example of a high temperature that meets the requirements of this specification is Chicago Protective 234-PBI-45-14.

t. Polyvinyl Chloride Coated, Gauntlet Cuff, Rough finish

- ♦ CTA Item number: 1902735

Polyvinyl knit gauntlet cuff type gloves shall meet the following requirements:

- Polyvinyl fully coated
- Black or Tan
- Rough finish.
- Cotton interlock lined
- Wing thumb
- 12 inch gauntlet
- Men's size or large

3. DETAIL REQUIREMENTS (Contd.)u. Nitrile, Medical/Exam Grade, Disposable

♦ CTA Item number: 1952715

Medical Grade, Nitrile Examination Gloves shall meet the following requirements:

- Size XL
- 100% nitrile with no natural rubber proteins or fillers
- Blue color
- Powder free
- Textured finish
- Beaded cuff
- 9-11 inch length
- Gloves shall comply with American Society for Testing and Materials (ASTM) standard D 6319, "Nitrile Gloves Examination Gloves for Medical Application". Contractor shall provide documentation showing compliance with ASTM D6319.
- Gloves shall be 510k listed with the Federal Food and Drug Administration (FDA) as a class 1 medical device.
- Gloves shall have an average nominal thickness of 3.5 to 6 mil (0.0035 – 0.006", 0.09–0.15 millimeters). The thickness at the finger and palm shall be minimum 4 mils and cuff minimum 3.5 mils.
- Gloves shall be ambidextrous, suitable for use on either hand.
- Gloves shall be delivered with a minimum of 80 percent shelf life or three years, whichever is greater, remaining.

v. Polyvinyl Chloride Coated, Knit Wrist, Rough Finish

♦ CTA Item number: 1902729

Polyvinyl knit wrist gloves shall meet the following requirements:

- Polyvinyl fully coated.
- Flexible
- Black or Tan
- Rough finish.
- Cotton interlock lined
- Wing thumb
- Men's size



3. DETAIL REQUIREMENTS (Contd.)w. Chemical Resistant, Natural Rubber Latex

♦ CTA Item number: 1902752

Chemical resistant, natural rubber gloves shall meet the following requirements:

- Heavy duty for added protection against hazardous acids and caustics
- 14" length
- Curved fingers and contoured palms
- Color: Black
- Embossed grip
- Rolled cuff
- Natural rubber latex material, 35 to 45 mil thickness.
- Unlined.
- Size XL or 10

x. Anti-Vibration, Half Finger with Wrist Support

♦ CTA Item numbers: 1904016- right hand, 1904015 – left hand

Anti-vibration, half finger liner gloves shall meet the following requirements:

- Vibration reducing
- Individual left or right hand gloves
- Elastic wrist wrap cuff with Velcro fastening
- Breathable Spandex or nylon back with hook and loop closure
- Half finger style offers increased dexterity
- Fits sizes L thru XXL
- Gel type anti-vibration padding in palm, thumb and index finger areas

3. DETAIL REQUIREMENTS (Contd.)y. Nitrile Foam Coated

- CTA Item numbers: 1900402 (Sz.9 or Large), 1900010 (Sz.10 or XL) and 1900206 (Sz.11 or XXL)

Nitrile foam coated knit gloves shall meet the following requirements:

- Minimum 13 gauge seamless knit nylon shell
- Nitrile foam coated front fingers and palm
- Nylon backing for breath ability
- Black or gray nylon
- Palm abrasion resistance Level 4 (European EN Standard 388-2003) or Level 4/ Level 5 (ANSI/ISEA 105-2000)

z. Leather Palm, Gauntlet Cuff, Ladies

- ♦ CTA Item number: 1905080

Leather palm gauntlet gloves, ladies size, shall meet the following requirements:

- Shall have leather palms with continuous leather pull patch, elastic gather on back, leather palm side of fingers, full leather forefingers and full leather thumb, leather back fingers tips and knuckle reinforcement.
- Gunn pattern with wing thumb
- Select or mid-grade shoulder split cow leather, not economy grade.
- 2.5 inch starched waterproof gauntlet
- Leather knuckle strap and finger tips
- Grey or blue cotton fabric (approx 8 oz per square yard) back with red or blue stripping
- Shirred back
- Single/ lock stitching, minimum 8 stitches per inch, polyester thread.
- Cotton knitted fabric lining
- Size: Ladies or small

3. DETAIL REQUIREMENTS (Contd.)

z(1). Nitrile, Industrial Grade, Disposable, Black

♦ CTA Item number: 1952716

Nitrile disposable industrial grade gloves shall meet the following requirements:

- Size XL
- 100% nitrile with no natural rubber proteins or fillers
- Industrial grade
- Black color
- 4 mil average thickness
- Ambidextrous
- Powder free
- Textured finger tips
- 9-11 inch length

4. SAMPLE GLOVES

- 4.1 When requested, the bidder shall furnish within seven (7) days after date of request, one or more pairs of sample gloves of the type the potential Contractor proposes in the event the potential Contractor is awarded the Contract. Gloves will be used to compare and evaluate to CTA specifications and currently approved gloves. Sample gloves shall be provided at no cost to the CTA and will not be returned to the potential Contractor upon completion of the evaluation.

5. ADDITIONAL INFORMATION FOR POTENTIAL BIDDERS

- 5.1 Bidders requiring additional information shall contact the Procurement Administrator listed on the front page of this Contract Document. Potential Bidders requiring additional information from a person or persons listed in the Special Conditions must route their requests through the Procurement Administrator. Potential Bidders who contact any Authority personnel other than the Procurement Administrator will be considered in violation of the provisions of the Contract Document.

DISTRIBUTION: Sr. Industrial Hygienist, Safety

EBD/ebd - Initial Specification - 04/22/05  
JSC/jsc - 2nd Revision - 09/05/07  
ELM/elm-3<sup>rd</sup> Revision-11/04/09  
ELM/elm-4<sup>th</sup> Revision-6/22/10  
ELM/elm-5<sup>th</sup> Revision -11/30/10

## PROPOSAL

**SPECIFICATION NO. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A**  
**CONTRACT NO. B100P01570**

By execution of this Proposal the undersigned offers, in accordance with the terms of the Contract Documents of which this Proposal is a part, to furnish and deliver various maintenance and repair tool sets, and tool cabinets and bags, to be released as required, f.o.b. destination, as described in these General and Special Conditions and Detailed Specifications No. CTA 6071-11A, 387-07(R10); 416-07(R2010); 566-10; 1889-05(R10); 2467-07(R10); 3416-10; 3455-05B(R10); 3480-10; 3991-09; 3992-04(R09); 4081-05(R07); 4256-07(R2010); 4330-10; 4367-10; 4392-07(R09); 6174-10; 6825-09; 9134-10A, at the prices set forth on pages P-2 thru P-4. This Contract shall become effective as soon as the Contract is executed, and will continue in effect for a period of 36 months from date of Contract.

**NOTE:** Prices quoted shall be firm for the entire contract duration and any additional time that this contract may be extended by mutual agreement between the CTA and the contractor unless escalation is stated below.

Prices firm for the first year with escalated prices with \_\_\_\_\_% maximum ceiling on escalation starting with the second 12 months and any additional time that this contract may be extended by mutual agreement between the CTA and the contractor.

Escalated prices with \_\_\_\_\_% maximum ceiling on escalation (in addition to any escalation stated above and approved for the second 12 months) starting with the third 12 months and any additional time that this contract may be extended by mutual agreement between the CTA and the contractor.

E-mail address for releases: \_\_\_\_\_  
General e-mail address if different from above: \_\_\_\_\_

PERSON TO CONTACT: \_\_\_\_\_ PHONE NO.: \_\_\_\_\_

COMPANY BIDDING: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TERMS: DISCOUNT: \_\_\_\_\_% \_\_\_\_\_ DAYS, NET 30 DAYS

Run Date: 02/11/11

Run Time: 10:22:45

C H I C A G O T R A N S I T A U T H O R I T Y

PURCHASING/WAREHOUSING DEPARTMENT  
BID PROPOSAL SHEET

RFO Number: 69342

Requisition Num: B100P01570

Buyer Name: Kutkowski, Leonard S

Buyer Phone:

Line No.	Item No.	UOM	Prior Demand	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered	Unit Price
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1	1727363	SE	0	KRAFTMA SNAPONTO	9-52372 TIM117A			
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Description: SET: TAP AND DIE, METRIC RETREADING, TOOL, 3 MM TO 12 MM, FED. SPECS. GGG-T-60 &  
Description: GGG-D-2961, SPEC. NO: 4256, PCK. INFO: SET 41 PC

2	1731812	SE	2	WILLIAMS PROTOTO	WLM-15PC 5PR6PT-1/4			
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Description: SOCKET: SET, HAND, 1/4" SQ. DR., WITH 1 HINGED HANDLE, TYPE 1, CLASS 1; 10  
5/16" & 3/8" CLASS 2, STYLE A; 3 DOUBLE SQ. SOCKETS 1/4",  
Description: PROTO HANDLE 4766, SOCKETS, 4706 THRU 4718 4708S, 4710S & 4712S ASSEMBLED IN 4795  
STEEL BOX. , 15 PCS. PER SET., SPEC. NO: 3480/6071, PCK. INFO: SE 15 PC

3	1731813	SE	0					
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TOOL: SET, BUS/REPAIRER'S SUPPLEMENTAL. NOTE: ISSUE ONLY ON MANAGER'S SIGNATURE

Description: OF SUPPORT SERVICES.

UOP: SET 0001SET REVISED: 2/1/11

999999 SPEC. NO: 6071

4	1731814	SE	0					
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TOOL: SET, RAPID TRANSIT CAR REPAIRER'S SUPPLEMENTAL TOOL SET., SPEC. # 6071,

Description: ISSUE ONLY TO SUPPORT SERVICES WITH, MANAGER'S SIGNATURE., SPEC. NO: 6071,  
PCK. INFO: SE 1 SE

5	1731815	SE	3					
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TOOL: SET, BUS/RT CAR REPAIRER'S BASIC, TOOL SET., ISSUE ONLY TO SUPPORT SERVICES

Description: WITH, MANAGER'S SIGNATURE., SPEC. NO: 6071, PCK. INFO: SE 1 SE

6	1739427	SE	54	PROTOTO EKLIND MATCO SNAPONTO	4978 91S AW49241 AW-9K			
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Description: WRENCH: SET, HEXAGON KEY, 9 SIZES, CONSISTING OF SIZES: .050", 1/16", 5/64",  
3/32", 7/64", 1/8", 9/64", 5/32", 3/16" KNIFE TYPE HANDLE. SPEC. NO: 6071  
PCK. INFO: SE 9 PC REVISED: 2/1/11

COMPANY BIDDING

Run Date: 02/11/11  
Run Time: 10:22:45

CHICAGO TRANSMIT AUTHORITY  
PURCHASING/WAREHOUSING DEPARTMENT  
BID PROPOSAL SHEET

RFP Number: 69342

Requisition Num: B100P01570

Buyer Name: Rutkowski, Leonard S

Buyer Phone:

Line No.	Item No.	UOM	Prior Demand	Manufacturer's Name	Part Number	Manufacturer's Name	Part No. Offered	Unit Price
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7	1739428	PC	39	PROTOTOO	4994			
				SNAPONTO	AM-5K			
				CORNWELL	EK-20511			
				ARMSTRON	66-867			
				EKLIND	51			

WRENCH: SET, 5 SIZES, HEXAGON KEY,, CONSISTING OF SIZE'S 3/16", 7/32", 1/4",  
Description: 5/16", 3/8" IN KNIFE TYPE, HANDLE,, SPEC. NO: 6071, PCK. INFO: EK 6 PC

8	1739466	SE	2	ALLEN	580-14PC			
				SNAPONTO	AMW140CK			
				PROTOTOO	4988M			

WRENCH: SET, HEXAGON, METRIC L SHAPE, SET SIZES - 2, 2.5, 3, 4, 5, 6, 7, 8,, 9,  
10, 12, 14, 17, 19 MM. SETS - CAN, BE MADE UP OF COMBINING PROTO 4976A, AND KER  
Description: LAKESIDE METRIC HEX KEYS OR, SNAP ON AM-14DC-K, ANSI/ASME B18.3.2M-79, SPEC.  
NO: 6071, PCK. INFO: SE 14 PC

9	1742536	SE	0	SNAPONTO	TF 528E			
				SNAPONTO	TF528E			

KIT: TOOL, FLARING & CUTTING,, IMPERIAL BRASS MFG CO NO-120-F, FED. SPEC. GGG-F-  
Description: 451, PCK. INFO: KIT 1 SET

10	1746254	KT	0	MARSHLIN	E39-7PSX			
				JENSENTO	Q-87LDXP			

TOOL: KIT, FIELD ENGINEER'S TOOL KIT,, IN DEEP DELUXE POLYETHYLENE CASE,, JENSE  
Description: TOOL KIT #JTK-87, PCK. INFO: KT 1 KT

11	1748613	PC	0	SNAPONTO	KTA-2			
				PROTOTOO	9953			

Description: TRAY: TOTE, FOR TOOLS, APPROX., DIMENSIONS 19" X 7" X 3", PCK. INFO: PC 1 PC

12	1752950	PC	42	STANLEYPRO	95322			
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BAG: TOOL, MOTORMAN #8, WHITE CANVAS WITH LEATHER REINFORCEMENTS ON THE, OUTSIDE.  
11" WIDE X 9" DEEP INSIDE POCKET. 2 LEATHER RETAINING STRAPS WITH, BUCKLES,  
Description: BOTTOM AND 3" UP THE SIDES TO BE FULL GRAIN LEATHER, WITH STEEL ON, BOTTOM. 20"  
L, 15" DP. X 7" W., PCK. INFO: CART 12 PC

Run Date: 02/11/11  
Run Time: 10:22:45

CHICAGO TRANSIT AUTHORITY  
PURCHASING/WAREHOUSING DEPARTMENT  
BID PROPOSAL SHEET

RPO Number: 69142

Requisition Num: B100P01570

Buyer Name: Kutkowski, Leonard S

Line No.	Item No.	UOM	Prior Demand	Manufacturer's Name	Part Number	Manufacturer's Name	Manufacturer's Part No. Offered	Unit Price
13	1754654	PC	0	PROTOTOO KENNEDY	44210 277			

CABINET: ROLLER, 7 DRAWER, LOCKING, STORAGE COMPARTMENT, 27" W X 18" D X, 35-1/4" H, 5" SOLID RUBBER CASTERS., COLOR, BROWN., SPEC. # 6071, REQUIRED FOR STORAGE  
Description: AND PROTECTION OF, NEW EMPLOYEE TOOLS IN RAIL TERMINALS., NOTE: REQUEST MUST BE  
AUTHORIZE BY, MANAGER SIGNATURE ONLY., PCK. INFO: PC 1 PC

14 1750131 PC 0 SEARSIND 00965590000

CABINET: ROLLER, 9 DRAWER MOBILE TOOL CABINET, 40" WIDE WITH 48" WIDE  
Description: HARDBOARD WORK SURFACE AND, HEAVY DUTY CASTERS, TWO OF WHICH ARE SWIVEL TYPE.,  
F.I. 02/05/07,

\*\*\*End of Report\*\*\*

COMPANY BIDDING

## CERTIFICATION REGARDING A DRUG FREE WORKPLACE

Pursuant to the definitions regarding a Drug Free Workplace provided in the Drug-Free Workplace Act of 1988, the Illinois Drug Free Workplace Act, 30 ILCS 580/1 *et seq.*, the Illinois Substance Abuse Prevention on Public Works Projects Act, 820 ILCS 265/1 *et seq.*, the Federal Acquisition Regulation System ("FAR"), Procedures for Transportation Workplace Drug & Alcohol Testing Programs, 49 CFR 40, and Prevention of Alcohol Misuse & Prohibited Drug Use in Transit Operation, 49 CFR 655, \_\_\_\_\_ ("Contractor") certifies to the best of its knowledge and belief that it and its principals:

1. Maintain a workplace(s) (i.e. the site(s) for the performance of work done by the Contractor in connection with this contract) safe and free from "controlled substances" as described in the Controlled Substances Act (21 U.S.C. 812) and as further described in regulations 21 CFR 1308.11 - 1308.15.
2. Have neither been convicted, including entering a plea of 'nolo contendere,' nor had sentence imposed by any judicial body charged with the responsibility to determine violations of Federal or State criminal drug statutes.
3. Publish and give notice to its employees and sub-contractors that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the Contractor's workplace, and also that actions will be taken against any and all employees and sub-contractors found to be violation of same.
4. Provide that all employees engaged in the performance of the contract receive a copy of the above statement, that the employee will abide by the terms of this statement, and that the employee will notify the employer in writing of the employee's conviction no later than five (5) calendar days after such conviction.
5. Provide for appropriate action against an employee for violation of any and all of these rules and that an employee convicted of drug abuse must satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by Federal, State, or local health or law enforcement or other appropriate agency.
6. Comply with all drug and alcohol policies, testing programs and reporting requirements set forth in 49 CFR 40 and 49 CFR 655 whenever the Contractor, its employees, or sub-contractor(s) perform one or more of the following functions considered "safety-sensitive", as defined in 49 CFR 655:
  - a. Operating a revenue service vehicle, including when not in revenue service;
  - b. Operating a non-revenue service vehicle, when required to be operated by a holder of a Commercial Driver's License;
  - c. Controlling dispatch or movement of a revenue service vehicle;
  - d. Maintaining (including repairs, overhaul and rebuilding) a revenue service vehicle or equipment used in revenue service; or
  - e. Carrying a firearm for security purposes.
7. Have in place a written program which meets or exceeds the program requirements of the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1 *et seq.*) to be filed with the Authority and made available to the general public, or have in place a collective bargaining agreement which deals with the subject matter of the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 365/1 *et seq.*).
8. Will otherwise comply with all drug and alcohol policies set forth in applicable Federal, State and local laws and regulations, including, but not limited to the Drug-Free Workplace Act of 1988, FAR, Illinois Drug Free Workplace Act, 49 CFR 40 and 49 CFR 655 in such version, prior or subsequent to amendment or revision, as is currently enforced or enforceable at and during the execution and performance of this Contract.

In addition to other remedies, the Contractor's failure to comply with any part of the requirements of the Drug-Free Workplace Act of 1988, FAR, Illinois Drug Free Workplace Act, the Illinois Substance Abuse Prevention on Public Works Projects Act, 49 CFR 40 or 49 CFR 655, may render the Contractor subject to any or all of the following: suspension of payments, termination of contract for default, suspension or debarment.

\_\_\_\_\_  
Signature and Title of Authorized Official

\_\_\_\_\_  
Date



## LOBBYING CERTIFICATION

### Certification for Contracts, Grants, Loans and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans and cooperative agreements) and that all sub recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

By: \_\_\_\_\_  
(Type or print name of contractor)

\_\_\_\_\_  
(Signature of authorized officer)

\_\_\_\_\_  
(Title of authorized officer)

**CERTIFICATION OF PRIMARY PARTICIPANT  
REGARDING DEBARMENT, SUSPENSION, AND OTHER  
RESPONSIBILITY MATTERS**

\_\_\_\_\_, certifies to the best of our knowledge and belief that it and  
(Company's name)

its principles:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of frauds or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
3. Are not presently indicated for or otherwise criminally or civilly charged by charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/ proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

THE PRIMARY PARTICIPANT (APPLICANT OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT) \_\_\_\_\_ CERTIFIES OR  
(Company name)  
AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 *ET SEQ.* ARE APPLICABLE THERETO.

\_\_\_\_\_  
(Signature and Title of Authorized Official)

If you are unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.

**CERTIFICATION OF LOWER TIER PARTICIPANT  
REGARDING DEBARMENT, SUSPENSION, AND OTHER  
RESPONSIBILITY MATTERS**

\_\_\_\_\_, certifies to the best of our knowledge and belief that it and  
(Company's name)

its principles:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of frauds or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
3. Are not presently indicated for or otherwise criminally or civilly charged by charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/ proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

THE LOWER TIER PARTICIPANT (APPLICANT OR POTENTIAL CONTRACTOR FOR A MAJOR  
THIRD PARTY CONTRACT) \_\_\_\_\_ CERTIFIES  
(Company name)  
OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS  
SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF  
31 U.S.C. SECTIONS 3801 *ET SEQ.* ARE APPLICABLE THERETO.

\_\_\_\_\_  
(Signature and Title of Authorized Official)

If you are unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.

**PROPOSAL (Continued)**  
**TO BE EXECUTED BY A CORPORATION**

The undersigned hereby acknowledges having received a full set of CONTRACT DOCUMENTS (Requirements for Bidding and Instructions to Bidders; General Conditions; Standard Government Requirements; Special Conditions Disadvantaged Business Enterprise Commitment; Special Conditions, if any, issued with the specifications; and all other forms, certificates, and documents issued with the specifications) AND ADDENDA NOS. (none unless indicated here)

BIDDER MUST INSERT ADDENDA NUMBERS HERE - IF ANY

And the undersigned agrees, if awarded the contract, to perform the contract in accordance with the terms and conditions of the Contract Documents and Addenda, if any, thereto. Notice to the undersigned may be served by mailing to the address hereinafter set forth.

FURTHER, THE UNDERSIGNED, BEING DULY SWORN, DEPOSES AND STATES ON OATH THAT the undersigned has not entered into any agreement with any other bidder or prospective bidder or with any other person, firm or corporation relating to the price or prices named within the undersigned proposal or any other proposal, nor any agreement or arrangement under which any person, firm or corporation is to refrain from bidding, nor any agreement or arrangement for any act or omission in restraint of free competition among bidders, and has not disclosed to any person, firm or corporation the terms of the undersigned's proposal or the price or prices named herein. As required by Section 33E-11 of the Illinois Criminal Code of 1961, as amended (the "Act"), the undersigned certifies that the undersigned contractor or any agent, partner, employee or officer of the contractor is not barred from contracting with any unit of state or local government as a result of engaging in or being convicted of either bid-rigging in violation of Section 3 of Article 33E or bid-rotating in violation of Section 4 of Article 33E of the Act or any similar offenses of any state or the United States that contain the same elements as the offenses of bid-rigging or bid-rotating.

Name of Corporation: \_\_\_\_\_  
(Print or Type Name of Corporation)

Business Address: \_\_\_\_\_  
(Print or Type Street, City, State and Zip Code)

BY: \_\_\_\_\_  
SIGNATURE OF AUTHORIZED OFFICER\*

Title of Signatory: \_\_\_\_\_  
(Print or Type)

\*Note: If signed by any person other than the corporate President or Vice President, a certified copy of a resolution or by-law authorizing such person to sign must accompany this Proposal.

State of \_\_\_\_\_

County of \_\_\_\_\_

Signed and Sworn to before me on:

\_\_\_\_\_

by \_\_\_\_\_  
(Printed name of Authorized Officer)

\_\_\_\_\_  
(Signature of Notary Public)

**PROPOSAL (Continued)**  
**TO BE EXECUTED BY A SOLE PROPRIETOR**

The undersigned hereby acknowledges having received a full set of CONTRACT DOCUMENTS (Requirements for bidding and Instructions to Bidders; General Conditions; Standard Government Requirements; Special Conditions Disadvantaged Business Enterprise Commitment; Special Conditions, if any, issued with the specifications; and all other forms, certificates, and documents issued with the specifications) AND ADDENDA NOS. (none unless indicated here)

BIDDER MUST INSERT ADDENDA NUMBERS HERE - IF ANY

And the undersigned agrees, if awarded the contract, to perform the contract in accordance with the terms and conditions of the Contract Documents and Addenda, if any, thereto. Notice to the undersigned may be served by mailing to the address hereinafter set forth.

FURTHER, THE UNDERSIGNED, BEING DULY SWORN, DEPOSES AND STATES ON OATH THAT the undersigned has not entered into any agreement with any other bidder or prospective bidder or with any other person, firm or corporation relating to the price or prices named within the undersigned proposal or any other proposal, nor any agreement or arrangement under which any person, firm or corporation is to refrain from bidding, nor any agreement or arrangement for any act or omission in restraint of free competition among bidders, and has not disclosed to any person, firm or corporation the terms of the undersigned's proposal or the price or prices named herein. As required by Section 33E-11 of the Illinois Criminal Code of 1961, as amended (the "Act"), the undersigned certifies that the undersigned contractor or any agent, partner, employee or officer of the contractor is not barred from contracting with any unit of state or local government as a result of engaging in or being convicted of either bid-rigging in violation of Section 3 of Article 33E or bid-rotating in violation of Section 4 of Article 33E of the Act or any similar offenses of any state or the United States that contain the same elements as the offenses of bid-rigging or bid-rotating.

**Signature of Bidder:** \_\_\_\_\_  
(Signature of Bidder)

**Name of Bidder:** \_\_\_\_\_  
(Print or Type)

**Business Address:** \_\_\_\_\_  
(Print or Type Street Address)

\_\_\_\_\_  
(Print or Type City, State and Zip Code)

State of \_\_\_\_\_

County of \_\_\_\_\_

Signed and Sworn to before me on:

\_\_\_\_\_

by \_\_\_\_\_  
(Printed name of Authorized Officer)

\_\_\_\_\_  
(Signature of Notary Public)

(NOTARIAL SEAL)

**PROPOSAL (Continued)**  
**TO BE EXECUTED BY PARTNERSHIP OR JOINT VENTURE**

The undersigned hereby acknowledges having received a full set of CONTRACT DOCUMENTS (Requirements for bidding and Instructions to Bidders; General Conditions; Standard Government Requirements; Special Conditions Disadvantaged Business Enterprise Commitment; Special Conditions, if any, issued with the specifications; and all other forms, certificates, and documents issued with the specifications) AND ADDENDA NOS. (none unless indicated here)

BIDDER MUST INSERT ADDENDA NUMBERS HERE - IF ANY

And the undersigned agrees, if awarded the contract, to perform the contract in accordance with the terms and conditions of the Contract Documents and Addenda, if any, thereto. Notice to the undersigned may be served by mailing to the address hereinafter set forth.

FURTHER, THE UNDERSIGNED, BEING DULY SWORN, DEPOSES AND STATES ON OATH THAT the undersigned has not entered into any agreement with any other bidder or prospective bidder or with any other person, firm or corporation relating to the price or prices named within the undersigned proposal or any other proposal, nor any agreement or arrangement under which any person, firm or corporation is to refrain from bidding, nor any agreement or arrangement for any act or omission in restraint of free competition among bidders, and has not disclosed to any person, firm or corporation the terms of the undersigned's proposal or the price or prices named herein. As required by Section 33E-11 of the Illinois Criminal Code of 1961, as amended (the "Act"), the undersigned certifies that the undersigned contractor or any agent, partner, employee or officer of the contractor is not barred from contracting with any unit of state or local government as a result of engaging in or being convicted of either bid-rigging in violation of Section 3 of Article 33E or bid-rotating in violation of Section 4 of Article 33E of the Act or any similar offenses of any state or the United States that contain the same elements as the offenses of bid-rigging or bid-rotating.

Firm Name: \_\_\_\_\_  
(Print or Type Name of Firm)

Business Address: \_\_\_\_\_  
(Print or Type Street Address)

\_\_\_\_\_  
(Print or Type City, State and Zip)

**BY SIGNATURE(S):**

*All Partners or Joint Ventures  
of the Firm must sign this bid  
unless one Partner or Joint  
Venturer is authorized to sign  
for the Partnership or Joint  
Venture*

\_\_\_\_\_  
(Partner)

\_\_\_\_\_  
(Partner)

\_\_\_\_\_  
(Partner)

\_\_\_\_\_  
(Partner)

\_\_\_\_\_  
(Partner)

State of \_\_\_\_\_

County of \_\_\_\_\_

Signed and Sworn to before me on:

\_\_\_\_\_

by \_\_\_\_\_  
(Printed name of Authorized Officer)

\_\_\_\_\_  
(Signature of Notary Public)

(NOTARIAL SEAL)

## DISCLOSURE OF OWNERSHIP

All businesses submitting proposals are required to complete the appropriate portion of this form. If more space is needed attach additional pages. In signing and submitting its proposals, of which this Disclosure of Ownership form is a part, the business certifies that the information submitted on this Disclosure of Ownership form is correct as of the date of the submittal of the proposal.

1. IF THE BUSINESS IS A CORPORATION, check this box ☐ and complete:  
If the shares of the Corporation are not listed on the New York Stock Exchange or any regional exchange, list then name of each person who possesses either nominal or beneficial ownership or 5% or more of the Corporation's stock (list below). If none, type or print "NONE" in space below.

Is the Corporation listed on the New York Stock Exchange? ☐ Yes ☐ No

If the corporation is listed on an exchange other than the New York Stock Exchange, the name of the exchange is \_\_\_\_\_

TYPED OR PRINTED NAME	%INTEREST
_____	_____
_____	_____
_____	_____
_____	_____

2. IF THE BUSINESS IS A PARTNERSHIP, check this box ☐ and complete:  
The name of each general, limited or individual partner entitled to receive 5% or more of the profit derived from partnership activities (list below). If none, type or print "NONE" in space below.

TYPED OR PRINTED NAME	%INTEREST
_____	_____
_____	_____
_____	_____
_____	_____

3. IF THE BUSINESS IS A SOLE PROPRIETORSHIP, check this box ☐ and complete:  
The name of each person other than the owner entitled to receive 5% or more of the profits derived from the activities of the business (list below). If none, type or print "NONE" in space below.

TYPED OR PRINTED NAME	%INTEREST
_____	_____
_____	_____
_____	_____
_____	_____

DISCLOSURE - TO BE COMPLETED BY ALL BIDDERS

**PROPOSAL (continued)**

**ACCEPTANCE**

The undersigned, on behalf of Chicago Transit Authority, A Municipal Corporation of the State of Illinois, hereby accepts the foregoing bid items as identified in the Proposal.

**Contract Number**

**Total Amount of Contract     \$**

**Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2011, at Chicago, Illinois**

\_\_\_\_\_  
Vice President, Purchasing

\_\_\_\_\_  
President

Approved as to form and legality, for the sole benefit of CTA. Subject to proper authorization and execution thereof:

\_\_\_\_\_  
Attorney