

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 St., Chicago, Illinois 60661-1498, no later than 11:00 A.M. on Friday, March 27, 2015 at which time all such bids will be opened publicly and read aloud:

Req. C15RT101675318; Spec. No. CTA: 8324-15

Furnish and Deliver 40 Advanced Transportation  
Controllers (ATC) for Installation into Existing City  
of Chicago Cabinets.

PROPOSAL GUARANTEE: NONE

For additional information, please contact Anthony  
Saracco, Sr. Procurement Administrator, 312/681-2454.

Any contract resulting from this bid is subject to a financial assistance between the Chicago Transit Authority, the United States Department of Transportation and the Regional Transportation Authority.

Contractor will be required to comply with all applicable Equal Employment Opportunity laws and regulations and affirmative action requirements of the Federal Transit Administration and Illinois Human Rights Commission.

All bidders will be required to certify that they are not on the Comptroller General's list of ineligible contractors.

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

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:** When 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. Acceptance of any bid is subject to concurrence by the Regional Transportation Authority and the United States Department of Transportation.

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

CHICAGO TRANSIT AUTHORITY

By: Ellen McCormack  
Vice President,  
Purchasing & Supply Chain

March 13, 2015



PROCUREMENT SPECIFICATIONS AND CONTRACT DOCUMENT FOR

FURNISH AND DELIVER 40 ADVANCED TRANSPORTATION  
CONTROLLERS (ATC) FOR INSTALLATION INTO EXISTING  
CITY OF CHICAGO CABINETS.

REQUISITION NO.: C15RT101675318

SPECIFICATION NO.: CTA

DRAWING NO.: None

PROJECT NO.: 28010

INSURANCE REQUIRED: None

BID DEPOSIT AMOUNT: None

**INFORMATION:**

**Procurement Administrator:** Anthony Saracco

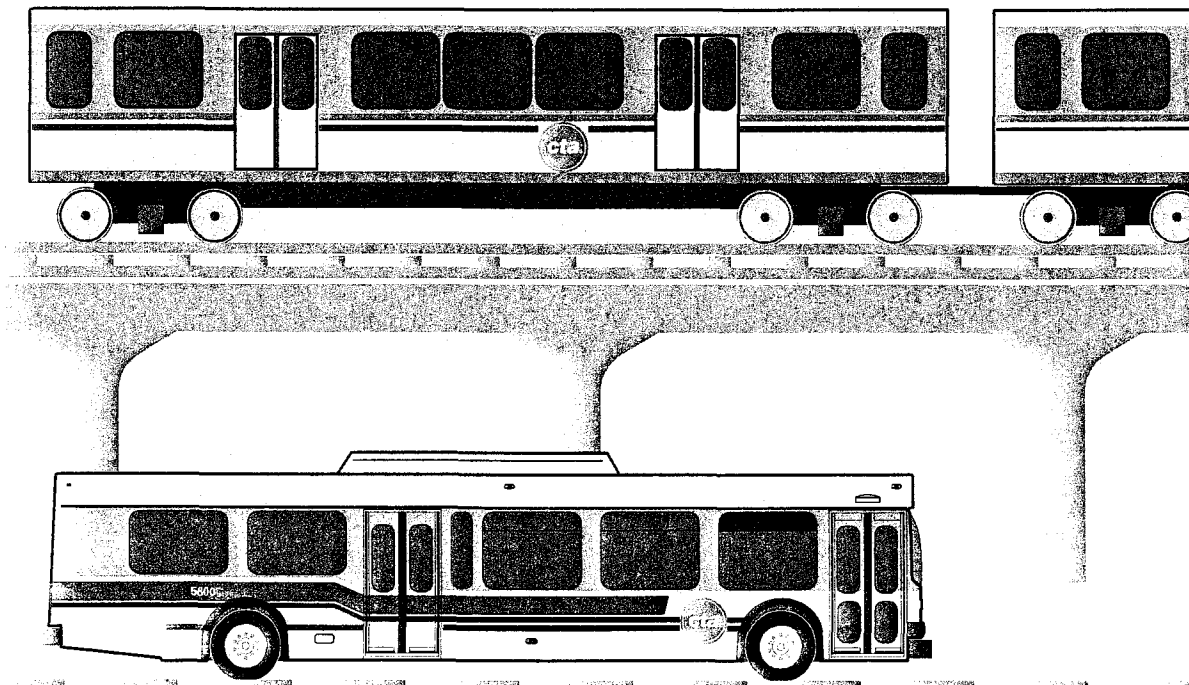
**Phone Number:** (312) 681-2454 **email address:** asaraco@transitchicago.com

**BID PACKAGES TO BE RETURNED TO:**

**By Mail, In Person Drop-off or Delivery Service**

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  
567 W. Lake Street, Chicago IL 60661-1498  
Ellen McCormack, Vice President, Purchasing & Supply Chain  
Forrest Claypool, President  
Terry Peterson, Chairman

## **READ THIS PAGE BEFORE FILLING OUT BID PACKAGE**

### **DOCUMENT PREPARATION**

#### **for Materials & Supplies**

One (1) complete bid package is included. One (1) complete copy of this bid package is to be returned in a sealed envelope with the following on the cover: Bidder's name, Address, Title of the procurement including Requisition Number, and Advertised date and hour designated for the bid opening as shown on the advertisement. Returned copy must contain **original signatures**. CTA recommends that you make and retain one copy for your records.

#### **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".
- **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:

- **AFFIDAVIT OF PROMPT PAYMENT**
- **AFFIDAVIT OF MINIMUM WAGE PAYMENT**
- **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 AND INTERPRETATION:**

Unless otherwise expressly stated herein, the following words, terms and phrases shall have those meanings set forth below:

"Authority" means the Chicago Transit Authority ("CTA") acting by and through the Chicago Transit Board or its duly authorized agent, servant or employee in connection with the Contract Documents.

"Bid" means the document conveying an offer from a party desiring to provide or procure goods or services in response to a solicitation.

"Bidder" means the general term for the entity that submits a response to this solicitation. Any individual, firm, partnership, corporation, or combination thereof, submitting a Bid for the work contemplated, acting directly or through a duly authorized representative.

"Contact Person" means the individual designated the "Contact Person" in the Special Conditions of this Contract, or his or her authorized designee.

"Contract" means the legally binding agreement to be entered into by the bidder selected as a result of this solicitation.

"Contract Documents" means all of the agreements, specifications and documents which together form the Contract.

"Contractor" means the person, entity, or authorized representative identified as such in the Contract Documents, and is referred to throughout the Contract Documents as if singular in number.

"DOT" means the United States Department of Transportation or any successor agency.

"FTA" means the DOT's Federal Transit Administration or any successor agency.

"General Manager, Purchasing" means the Authority's General Manager, Purchasing or his or her authorized representative.

"IDOT" means the Illinois Department of Transportation or any successor agency.

"Procurement Administrator" means the Procurement Administrator identified in this solicitation for this Contract, or his or her authorized designee.

"RTA" means the Regional Transportation Authority or any successor agency.

"Subcontractor" means any person or entity with whom the Contractor subcontracts to provide any part of the work and all Subcontractors of any tier, suppliers, and material suppliers, whether or not in privity with Contractor.

"Vice President, Purchasing and Supply Chain" means the Vice President, Purchasing and Supply Chain of the Chicago Transit Authority, or his or her authorized designee.

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) calendar 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 his 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 the 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 Procurement Administrator 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 it is 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 an envelope for that purpose to the CHICAGO TRANSIT AUTHORITY, Bid Office – 2<sup>nd</sup> Floor, 567 W. Lake Street, Chicago, Illinois 60661-1465; 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.**

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 a bid is delayed beyond the date and hour set for the bid opening, whether through a mail delay or otherwise, such bids 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 the 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, or an affiliate 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) business days, evidence satisfactory to the Procurement Administrator, 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. If only one(1) bid is received, a cost or price analysis and evaluation and/or audit shall be performed of the single bidder's cost breakdown in order to determine if pricing is fair and reasonable.

## **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/minus escalation specified in Special Conditions, if any;
- C. Base price or charge plus/minus maximum percent or dollar escalation.

## **10. NEGOTIATED CONTRACTS:**

The Authority reserves the right to reject all bids received, and may, but is not required to, negotiate a contract with any responsible bidder(s), 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 the Contract. The Contractor agrees to include in first-tier subcontracts (or other subcontracts where a substantial portion of the work is being performed) 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.

## **11. ACCEPTANCE OF BIDS:**

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

The Contract shall not be in force and effect until it has been executed by the Authority's signatory duly authorized by the Authority's regulations, bylaws, and procedures.

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

When required by the Contract Documents, the successful bidder or bidders shall, within ten (10) business days after acceptance of the bid by the Authority, furnish any applicable performance or payment bonds 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.

### **13. 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) business days after acceptance of the bid, then, the bid deposit of the bidder may be retained by the Authority. The bid deposit may be used as liquidated damages, not as a penalty, to partially cover costs and losses by the Authority.

### **14. 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, written request for an interpretation thereof may be submitted to the Procurement Administrator. The person submitting the request will be responsible for its prompt delivery. Any change or interpretation of the proposed documents will be made only by Addendum duly issued by the Procurement Administrator. Addendums shall be posted on [www.transitchicago.com](http://www.transitchicago.com), and the Procurement Administrator will use good faith efforts to notify by email, or by mail if requested in writing, each person who has registered on [www.transitchicago.com](http://www.transitchicago.com) to receive the Contract Documents, or otherwise was provided the Contract Documents by the Authority, of such 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.**

### **15. CATALOGS:**

Subsequent to bid opening, when requested by the Procurement Administrator, 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.

### **16. 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 Procurement Administrator, 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.

### **17. 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 (2) 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 ten (10) calendar days after the date of opening of bids a bidder may request that a bid bond be substituted for the bid deposit. The Procurement Administrator may allow substitution of a bid deposit upon application in writing thereof, 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) calendar days from the date of bid opening.



**18. 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 Illinois Compiled Statutes 70 ILCS 3605/33. These taxes shall not be included in any of the prices quoted herein. Illinois Tax Exemption Identification number is E9978-2987-06. The prices quoted herein shall agree with all Federal Laws and Regulations.

**19. VENDOR REGISTRATION:**

Prior to doing business with the Authority, the Authority requests that all vendors register their company via the Authority's web based Business Diversity Management system. Please visit the following link to register your company with the Authority: <https://cta.dbesystem.com/>. Please note that upon contract award, registration on the Authority's Business Diversity Management system will be required.

**20. FREEDOM OF INFORMATION ACT NOTICE:**

The Authority is subject to the requirements of the Illinois Freedom of Information Act, 5 ILCS 140/1 et seq. ("FOIA"), which enables the public to request and obtain records from the Authority. FOIA requires, upon request, the public disclosure of any non-exempt information in bid materials, contracts, invoices and payment records (among other records). See Section 7 and 7.5 of FOIA, 5 ILCS 140/7 and 7.5, for a complete list of the exemptions available under FOIA.

Bid materials become the property of the Authority when submitted and cannot be returned. Because the sealed bid materials submitted to the Authority in connection with this procurement will be opened at a public bid opening, all contents of the bid materials will be publicly viewable at the bid opening. All bid materials and any subsequent contract (including any later amendments thereto) will be subject to public disclosure under FOIA upon request, without any further notice to you, after the successful bidder and the Authority have executed a written contract. The Authority may also publish the content of the bid materials and any subsequent contract in connection with this procurement, in whole or in part, on its website or in any other format without any further notice to you.

If you have any questions regarding the FOIA process at the Authority, please contact the Authority's Freedom of Information Officer at (312) 681-2809 or via e-mail at [FOIA@transitchicago.com](mailto:FOIA@transitchicago.com).

**21. BID PROTEST PROCEDURES:**

Any protest regarding this solicitation, or an evaluation or award hereunder, must be submitted in accordance with the Authority's bid protest procedures, available at: <http://www.transitchicago.com/asset.aspx?AssetId=5857>.

**22. ELECTRONIC FUND TRANSFER:**

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

**SPECIAL CONDITIONS  
DISADVANTAGED BUSINESS ENTERPRISE COMMITMENT  
INVITATION FOR BIDS  
REQUISITION NUMBER: C15RT101675318**

**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 can compete fairly for CTA contracts, regardless of funding source.
- B. The Authority has established the following DBE contract goal for this project:

**Disadvantaged Business Enterprise Goal:** 0%

- C. The DBE contract goal shall be expressed as a percentage of the total contract price. However, in the event this is a revenue generating contract, the DBE contract 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 meet the DBE goal by evidencing participation by one or more certified DBEs. The Bidder may also meet the goal by documenting good faith efforts to meet the goal as described in 49 C.F.R. Part 26 and as set forth in Section V below and/or by a combination of DBE participation and good faith efforts documentation. **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 contract 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 sufficient documentation of its good faith efforts to meet the DBE goal 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 to meet the goal 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 contract 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. **"Authority"** means the Chicago Transit Authority.
- C. **"Bid"** includes the following Authority purchasing requests: Invitation for Bids (IFB).
- D. **"Bidder"** includes bidders and contractors. The terms "Bidder" and "Contractor" may be used interchangeably in these Special Conditions.
- E. **"Commercial Useful Function" or "CUF"** means that a DBE is responsible for execution of a distinct element of the work of a Contract and carries out its responsibilities by actually performing, managing, and/or supervising the work involved. With respect to materials and supplies used on a contract, the DBE must be responsible for negotiating price, determining quantity and quality, ordering materials and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a commercially useful function, the Authority will evaluate the amount of work subcontracted, industry practices, and other relevant factors. However, it is not a commercially useful function when a DBE's role is limited to that of an extra participant through which funds are passed to obtain the appearance of DBE participation on the Contract.
- F. **"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.
- G. **"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.
- H. **"Funding Source"** means any source of funds used for an Authority contract. It includes, but is not limited to, funds provided by the US Department of Transportation (DOT), the Federal Transit Administration (FTA), the Illinois Department of Transportation (IDOT), the Regional Transportation Authority (RTA), the City of Chicago (City), the Federal Emergency Management Agency (FEMA), the Illinois Emergency Management Agency (IEMA), the US Department of Homeland Security (DHS) or the Department of Commerce and Economic Opportunity (DCEO).
- H. **"Good Faith Efforts"** means efforts to achieve a DBE contract goal as specified in 49 CFR, Part 26 and Section V hereof.

- I. **"IL UCP"** means the Illinois Unified Certification Program.
- J. **"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.

- K. **"Purchasing Agent"** means the Authority employee who holds the position of Vice President, Purchasing, or designee.
- L. **"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 \$22.41 million, or as revised from time to time, over the three (3) previous fiscal years.
- M. **"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, Kiribati, 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 Director of Diversity 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.

\* Presumption applies to federally funded contracts only.

N. "Subcontractor" means the individual or firm that has a subordinate contract to that of the Contractor under which the materials or equipment are supplied or services or labor is performed.

O. "USDOT" or "DOT" refers to the U.S. Department of Transportation.

### III. JOINT VENTURES

The Director of Diversity 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 Director of Diversity 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 Director of Diversity 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 CUF.**

To determine whether a firm is performing a CUF, the Director of Diversity will evaluate the amount of work subcontracted, industry practices and other relevant factors. The Director of Diversity 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 Director of Diversity 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 contract 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 contract goal. *Mere pro forma* efforts are not acceptable and will be rejected by the Director of Diversity.

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 contract 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; and
  - 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 from third parties.

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

If it is determined that the apparent successful low Bidder(s) has failed to show good faith efforts to meet the contract DBE goal through participation, documentation of good faith efforts to meet the contract goal and/or a combination of the two, the Authority will provide it 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

documented 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 contract goal through participation by DBEs on the proposed contract or documentation of sufficient good faith efforts to meet that goal or a combination of the two. Thus, it is essential that all Bidders submit ALL relevant documentation concerning DBE participation on the proposed contract and/or good faith efforts to meet the DBE goal in the envelope or package containing their sealed bids.

## **VII. PROCEDURE TO DETERMINE BID COMPLIANCE**

- A. If the Bidder is a Joint Venture, the Bidder as well as the Joint Venture partner **MUST** complete and sign Schedule B.
- B. A DBE Subcontractor of any tier, DBE Joint Venture partner and/or the Bidder if it is a DBE **MUST** complete and sign Schedule C.
- C. The Bidder **MUST** complete and sign Schedule D.
- D. All completed 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 as indicated above and/or evidence of good faith efforts will be deemed non-responsive and their bids will be rejected by the Authority.
- E. 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 its certifying agency in writing prior to the time set by the Authority for bid opening. Further, the DBE's request for a new area of



specialization must be approved by the certifying agency so that the DBE firm is certified in the expanded area of specialization prior to the **DUE DATE FOR BIDS**.

**F. Joint Ventures**

3. 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.
4. 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.

**G. Bidders List**

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. A form for creating the Bidder's List included in this IFB.

**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 any Subcontractor of any tier, execute written subcontracts or purchase orders with the Subcontractors included in the Bid. In the event the Bidder cannot complete the agreement with one or more Subcontractors within this seven(7) 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 Director of Diversity. These written agreements shall be made available to the Director of Diversity 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 Contractor must utilize the "Chicago Transit Authority's Disadvantaged Business Enterprise System (B2GNOW)" <https://cta.dbesystem.com/> which provides the Contractor an easy to use web-based service for reporting payments rendered to all Subcontractors. The frequency with which these reporting will vary based on each individual contract, but in no event will reporting be required less frequently than quarterly. **Failure to follow these directions may delay payment.**
- C. In the case of a one-time procurement with either a single or multiple deliveries, the contractor must utilize the "Chicago Transit Authority's Disadvantaged Business Enterprise System (B2GNOW)" <https://cta.dbesystem.com/> which provides the Contractor with an easy to use web-

based service for reporting payments rendered to all Subcontractors. The required entries on B2GNOW must be completed prior to or concurrently with the Contractor's submittal of its final invoice to the Authority user department identified in the contract. PLEASE NOTE: Two different processes must be followed. (1)The original invoices must be submitted directly to the Authority department identified in the contract and (2) a report of Subcontract Payments must be entered onto B2GNOW. **Failure to follow these directions may delay final payment.**

The address for the Director of Diversity is: **CTA Director of Diversity, Diversity Department, 567 W. Lake Street, Chicago, IL 60661-1465.**

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

### **A. Federally Funded Construction Contracts and All Non-Construction Contracts**

1. The Contractor is required to pay all Subcontractors for all work that the Subcontractor has satisfactorily completed **on all contracts except construction contracts funded with other than federal funds** no later than fourteen (14) 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 fourteen (14) calendar days of the date that the Contractor has received payment from the Authority.
2. In addition, all Retainage amounts **on all contracts except construction contracts funded with other than federal funds** 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 Authority's authorized representative, 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 Authority's authorized representative, satisfactorily completed its portion of the Work.

### **B. Non-federally Funded Construction Contracts**

1. The Contractor is required to pay all Subcontractors for all work that the Subcontractor has satisfactorily completed **on a construction contract funded with non-federal funds** no later than fourteen (14) calendar days after the Contractor has received payment from the Authority. All of the Contractor's subcontracts must state that the Subcontractor will receive payment within fourteen (14) calendar days of the date that the Contractor received payment from the Authority.
- 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) 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 identify 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 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 may also be 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 Diversity 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 document adequate good faith efforts as set forth in Section V hereof, must submit all information required in subsection C.5 hereof, and must receive the prior written approval of the Director of Diversity for such substitution.
- B. Further, after award, 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 Director of Diversity. 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 Director of Diversity, 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 document 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 the 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 Director of Diversity.
- D. 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 with the DBE substitution procedures or failure to use DBEs as stated in the Bid constitutes a material breach of contract. The Director of Diversity 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 DOT 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 for federally funded construction contracts and/or non-construction contracts however funded set forth in subsection A of Section IX 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 for all contracts funded with federal funds and/or all non-construction contracts however funded.
- E. If the Contractor does not pay any Subcontractor listed on a pay request within the time limits required under the prompt payment provision for construction contracts funded with non-federal funds set forth in subsection B of Section IX hereof, the Contractor must pay the Subcontractor an additional amount for interest in the amount of two percent (2%) per month 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 here if the construction contract is funded with non-federal funds.

- F. The Contractor 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.

- G. The Contractor further agrees to include the following assurance in all of its subcontracts: "The Contractor and Subcontractor shall comply with the requirements of the Illinois Human Rights Act (775 ILCS 5/1-100, et seq.) and the Illinois Public Works Employment Discrimination Act (775 ILCS 5/10/0.01, et seq.) and shall refrain from unlawful discrimination under Illinois law in the performance of this contract. The 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."

## **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, its Federal and/or State funding agencies, the U.S. Department of Justice, the USDOT, the Illinois Office of Inspector General and any duly authorized representatives thereof.

## **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 <http://www.federalreserve.gov/releases/mob/current/default.htm>.

## 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  Contact: Donna Gaines  Phone: (312) 624-7733  Fax: (312) 275-7841  Email: <a href="mailto:donna@donnamgaines.com">donna@donnamgaines.com</a>  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>  11906 S. Michigan Ave.  Chicago, IL 60628  Contact: Belinda Henderson  Phone: (773) 483-4000  Fax: (773) 483-4150  Email: <a href="mailto:belinda_bcu@att.net">belinda_bcu@att.net</a> / <a href="mailto:bcunewera@att.net">bcunewera@att.net</a>  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  Contact: Melinda Kelly  Phone: (773) 994-5006  Fax: (773) 994-9871  Email: <a href="mailto:melkelcba@sbcglobal.net">melkelcba@sbcglobal.net</a>  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 St., Suite 2300  Chicago, IL 60603  Contact: Shelia C. Hill Morgan  Phone: (312) 755-8880  Fax: (312) 755-8890  Email: <a href="mailto:shillmorgan@chicagomsdc.org">shillmorgan@chicagomsdc.org</a>  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> </ul>
<p><b>Chicago Urban League (CUL)</b>  4510 S. Michigan Ave.  Chicago, IL 60653  Contact: Kenya Spann  Phone: (773) 285-5800  Fax: (773) 285-7772  Email: <a href="mailto:kspann@thechicagourbanleague.org">kspann@thechicagourbanleague.org</a>  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  Contact: Joan Anderse  Phone: (312) 360-1122  Fax: (312) 360-0239  Email: <a href="mailto:joan@andersenpump.com">joan@andersenpump.com</a>  Website: <a href="http://www.fwcchicago.com">www.fwcchicago.com</a>  <b>Services</b></p>
<p><b>Hispanic-American Construction Industry Association (HACIA)</b>  650 West Lake Street, Suite 415  Chicago, IL 60661  Contact: Jorge Perez  Phone: (312) 575-0389  Fax: (312) 575-0544  Email: <a href="mailto:jperez@haciaworks.org">jperez@haciaworks.org</a>  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>  855 W. Adams, Suite 100  Chicago, IL 60607  Contact: Omar Duque  Phone: (312) 425-9500  Fax: (312) 425-9510  Email: <a href="mailto:asoto@ihccbbusiness.net">asoto@ihccbbusiness.net</a>  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>Latin American Chamber of Commerce (LACC)</b>  3512 W. Fullerton Ave.  Chicago, IL 60647  Contact: D. Lorenzo Padron  Phone: (773) 252-5211  Fax: (773) 252-7065  Email: <a href="mailto:D.LorenzoPadron@LACCUSA.com">D.LorenzoPadron@LACCUSA.com</a>  Website: <a href="http://www.LACCUSA.com">www.LACCUSA.com</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>Philippine American Chamber of Commerce of Greater Chicago (PACCGC)</b>  3413 N. Milwaukee Ave  Chicago, IL 60641  Contact: James Villar  Phone: (773) 545-4330  Fax: (773) 545-4373  Email: <a href="mailto:jamesvillar@paccgc.org">jamesvillar@paccgc.org</a>  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  Contact: Freida Curry  Phone: (312) 853-3477  Fax: (312) 853-0145  Email: <a href="mailto:fcurry@wbdc.org">fcurry@wbdc.org</a>  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>	<p><b>Women Construction Owners &amp; Executives (WCOE)</b>  308 Circle Avenue  Forest Park, IL 60130  Contact: Mary Kay Minaghan  Phone: (708) 366-1250  Fax: (708) 366-5418  E-mail: <a href="mailto:mkm@mkmservices.com">mkm@mkmservices.com</a>  Website: <a href="http://www.wcoeusa.org">www.wcoeusa.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>

*Project information and current DBE directory of certified local and out-of-state companies are available.*

<p>Chicago Transit Authority  <b>Project Information</b>  Purchasing Department  567 W. Lake St. Chicago,  IL 60661-1465  Fax: (312) 681-2405</p> <p><b>Purchasing General Manager</b>  Randi Brokvist  Phone: (312) 681-2420  E-mail: <a href="mailto:rbrokvist@transitchicago.com">rbrokvist@transitchicago.com</a></p> <p><b>Purchasing General Manager</b>  Robert K. Miller  Phone: (312) 681-2428  E-mail: <a href="mailto:rmiller@transitchicago.com">rmiller@transitchicago.com</a></p>	<p>Chicago Transit Authority  <b>Diversity Programs Information</b>  Diversity Programs Department  567 W. Lake St. Chicago,  IL 60661-1465  Fax: (312) 681-2605</p> <p><b>Contract Compliance Department</b>  Mary Person  Phone: (312) 681-2612  E-mail: <a href="mailto:mperson@transitchicago.com">mperson@transitchicago.com</a></p> <p><b>DBE Certification Department</b>  Nelson Robles  Phone: (312) 681-2616  E-mail: <a href="mailto:nrobles@transitchicago.com">nrobles@transitchicago.com</a></p>
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# DBE - 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): \_\_\_\_\_

# DBE - SCHEDULE B

## **AFFIDAVIT OF DBE/NON-DBE JOINT VENTURE**

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### **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:

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

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# DBE - SCHEDULE B

## **AFFIDAVIT OF DBE/NON-DBE JOINT VENTURE**

### **VIII. Control of and Participation in the Joint Venture *(continued)***

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: \_\_\_\_\_  
\_\_\_\_\_
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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DBE - SCHEDULE B

- X. State the approximate number of personnel (by trade) needed to perform the joint venture's work under this contract. Indicate whether they will be employees of the majority firm, DBE firm, or the joint venture.

Trade	Non-DBE Firm (number)	DBE (number)	Joint Venture (number)
<b>Professional</b>			
<b>Administrative/Clerical</b>			
<b>Unskilled Labor</b>			

If **any** personnel proposed for this project will be employees of the joint venture:

- A. Are **any** proposed Joint Venture employees currently employed by either venturer? \_\_\_\_\_  
Employed by non-DBE (number): \_\_\_\_\_ Employed by DBE: \_\_\_\_\_
- B. Identify by name and firm the individual who will be responsible for joint venture hiring: \_\_\_\_\_

- XI.** Please state any material facts and additional information pertinent to the control and structure of this joint venture.

# DBE - 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 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, Diversity Department directly in writing or through the prime contractor if the joint venture is a subcontractor.*

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

(Name of DBE Firm)

(Printed Name of Owner, President, or Authorized Agent of DBE)

(Printed Title)

Date

Phone

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

(Name of non-DBE Firm)

(Printed Name of Owner, President, or Authorized Agent of non-DBE)

(Printed Title)

Date

On this

day of

Phone

, 20

, the above-signed

Officers of (Name of non-DBE firm) \_\_\_\_\_ and

(Name of DBE firm)

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.**

**OFFICIAL NOTARY SEAL:**

Signature of Notary Public

My Commission Expires:

## DBE - SCHEDULE C

***Bidder's or Proposer's failure to submit all 3 pages of this Schedule C with its bid will result in the bid being rejected in its entirety.***

**LETTER OF INTENT FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER,  
AND/OR CONSULTANT** *(If Prime Contractor is a DBE firm, only fill out Schedule D)*

**NAME OF PROJECT / CONTRACT:**

**REQUISITION NO.:****JOB ORDER NO.:****TOTAL CONTRACT VALUE:**

**FROM:** (Name of DBE Firm)

**TO:** (Name of Prime Contractor)

*and the Chicago Transit Authority*

The DBE status of the undersigned is confirmed by the attached **Letter of Certification** dated \_\_\_\_\_ or the attached DBE Application (Exhibit A). (If proposing to perform as a DBE/non DBE Joint Venture, the Letter of Certification from the DBE venturer is attached along with a completed Schedule B and joint venture agreement).

The undersigned is prepared to provide the following described services or supply the following described goods in connection with the above named project/contract (attach additional pages if necessary):

<b>NAICS CODES –</b> List codes assigned to DBEs that can be used on this project:	<b>DESCRIPTION OF WORK FOR ENTIRE CONTRACT TERM</b> –Please describe in DETAIL what TYPE of WORK you will be performing for the entire length on this project:	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>Total DBE Contract Value listed separately for each item</b>
				<b>TOTAL DBE CONTRACT</b>

**MULTI-PHASE PROJECT(S)** – For those projects that are multi-phase, please indicate the phase in which the DBEs will be performing work:

# DBE - SCHEDULE C

*Bidder's or Proposer's failure to submit all 3 pages of this Schedule C with its bid will result in the bid being rejected in its entirety.*

## **LETTER OF INTENT FROM DBE (continued) / REQUISITION / JOB NO.:**

### **Sub-Contracting Levels**

**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 BELOW.

%\_\_\_\_\_ 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 ANY dollar amount of the DBEs 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 (7) seven calendar days of your receipt of a signed contract from the Chicago Transit Authority or prior to any work being performed by the DBE subcontractor.

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

(Name of DBE Firm)

(Printed Name of Owner, President, or Authorized Agent of DBE)

(Printed Title)

Date

Phone

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

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

(Name of non-DBE Firm)

(Printed Name of Owner, President, or Authorized Agent of non-DBE)

(Printed Title)

Date

Phone

# DBE - SCHEDULE C

**LETTER OF INTENT FROM DBE (continued) / REQUISITION / JOB NO.:**

*Bidder's or Proposer's failure to submit all 3 pages of this Schedule C with its bid will result in the bid being rejected in its entirety.*

**THIS FORM MUST BE SIGNED AND NOTARIZED**

## **DBE AFFIDAVIT**

If awarded a contract or subcontract, I agree to promptly and directly provide the prime contractor and the CTA on an ongoing basis, current, complete and accurate information regarding (1) work performed on the project; (2) payments; and (3) proposed changes, if any, to the foregoing arrangements.

I shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. I shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by me 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 CTA deems appropriate.

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

(Printed Name of Owner, President, or Authorized Agent of DBE)

(Date)

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

(Name of DBE firm)

personally known to me as the person(s) 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.**

**OFFICIAL NOTARY SEAL:**

Signature of Notary Public

My Commission Expires:



# DBE - SCHEDULE D

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

## DBE UTILIZATION PLAN

NAME OF PROJECT / CONTRACT:

REQUISITION NO.:

JOB ORDER NO.:

TOTAL CONTRACT VALUE:

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 Small Business Enterprises (DBE)  
Schedules for each DBE. Listed below is/are the agreements(s) that correspond(s) with the Schedule C submitted by each DBE and listed  
separately for each DBE participating on the above mentioned contract (attached additional pages if necessary):*

DBE FIRM(S)	DESCRIPTION OF WORK FOR ENTIRE CONTRACT TERM— Please describe in DETAIL what TYPE of WORK the DBEs will be performing on this contract for its entire length:	TOTAL DOLLAR AMOUNT OF EACH DBE CONTRACT
		TOTAL \$\$ for ALL DBE:

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

(Printed Name of DBE Liaison Officer) (Phone)

(Email)

# DBE - SCHEDULE D

## **PRIME CONTRACTOR AFFIDAVIT THIS FORM MUST BE SIGNED AND NOTARIZED**

**DBE UTILIZATION PLAN / REQUISITION / JOB NO.:**

**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 a formal agreement with all listed DBE firms for work as indicated by this Schedule D and accompanying Schedule C's, and will enter into such agreements within (7) seven calendar days after receipt of the contract executed by the Chicago Transit Authority or prior to any work being performed by the DBE subcontractor(s). In the event the Prime contractor cannot meet said seven (7) day schedule, it must provide a written explanation for the delay and an estimate date by which the written agreement will be completed.*

*If awarded a contract, I agree to promptly and directly provide the CTA on an ongoing basis, current, complete and accurate information regarding (1) work performed on the project; (2) payments; and (3) proposed changes, if any, to the foregoing arrangements.*

*Further, I shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. I shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by me 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 CTA deems appropriate.*

(Name of Prime Contractor Firm)

(Printed Name of Owner, President, or Authorized Agent of Prime Contractor)

(Date)

(Signature of Owner, President, or Authorized Agent of Prime Contractor)

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

(Name of Affiant)

personally known to me as the person(s) 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.**

**OFFICIAL NOTARY SEAL:**

Signature of Notary Public

My Commission Expires:

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**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.**

FIRM NAME	FIRM ADDRESS	DBE OR NON-DBE	AGE OF FIRM	GROSS RECEIPT RANGE

## **GUIDANCE CONCERNING GOOD FAITH EFFORTS (49 CFR – 26.53)**

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.

- Attendance at a pre-bid meeting, if any, scheduled by the Authority to inform DBEs of subcontracting opportunities under a given solicitation.
- 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.
- Written notification to capable DBEs that their interest in the contract is solicited.
- Documentation of efforts to negotiate with DBEs for specific sub-contracts including at a minimum:
  - The names, addresses, and telephone numbers of DBEs that were contacted and the date(s) of contact.
  - A description of the information provided to DBEs regarding the plans and specifications for portions of the work to be performed.
  - A statement explaining why additional agreements with DBEs were not reached.
- For each DBE the bidder contacted but rejected as unqualified, the reason for the bidder's conclusion.
- Documentation of efforts made to assist the DBEs contacted that needed assistance in obtaining bonding or insurance required by the bidder or the Authority.
- Documentation of efforts to utilize the services of small business organizations, community and contractor groups to locate qualified DBEs.
- 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.
- 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.
- Documentation of any efforts made to assist interested DBEs in obtaining necessary equipment, supplies, materials or related assistance or services.

## **CONTRACT FOR SUPPLIES GENERAL CONDITIONS**

### **1. DEFINITIONS AND INTERPRETATION:**

Unless otherwise defined herein, words, terms and phrases shall have the meanings ascribed in the Requirements for Bidding and Instructions to Bidders, and the rules for contractual interpretation therein shall apply.

### **2. DELIVERY:**

Unless otherwise specified in the Special Conditions, all materials shipped to the Authority must be shipped F.O.B. destination location. If prior delivery notification is specified, arrangements must be made by the vendor with the Authority's designated receiving location at least twenty-four (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 567 W. Lake Street, Chicago, IL 60661-1465 shall be made between 8:00 A.M. and 4:00 P.M. on weekdays, and to other locations between 7:00 A.M. and 3:00 P.M. on weekdays. No deliveries will be accepted on Saturdays, Sundays or Holidays.

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.

To the extent that any federal funds are utilized in this Contract, whenever shipping any equipment, materials, or commodities pursuant to this Contract, the Contractor shall 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 to the extent that such vessels are available at fair and reasonable rates. The Contractor shall furnish a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in this paragraph to the Authority 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. The Contractor shall furnish this bill-of-lading within twenty (20) business days following the date of loading for shipments originating within the United States, or within thirty (30) business days following the date of loading for shipments originating outside the United States.

### **3. 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 after it has been determined that the material is in compliance with the Contract Documents. The Authority will pay railroad charges due to the re-spotting of cars only when such re-spotting is ordered by the Authority.

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

The Contact Person shall have the 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 this 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 Contact Person 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 Contractor's sole expense, after written notice has been mailed by the Authority to the Contractor that such materials or components have been rejected.

#### **5. TITLE AND RISK OF LOSS:**

Legal title to the materials or other goods for which the Authority acquires title under the Contract shall pass to the Authority upon the soonest of (i) payment by the Authority, and (ii) delivery to the destination location. Contractor warrants and guarantees that legal title shall pass to the Authority free and clear of any and all encumbrances, security interests or liens. Contractor retains risk of loss until acceptance by the Authority.

#### **6. PAYMENT:**

Payment to Contractor shall be as specified in Special Conditions of this Contract. The Authority retains the right to set off payments due under this Contract against any payments due or to become due under any other contract that the Contractor or any affiliate thereof may have with the Authority.

In the event that this Contract includes an escalation provision, the Contractor must provide evidence satisfactory to the Authority which justifies any and all price or charge increases / decreases provided under the escalation provision on or prior to the first invoice which reflects the new price or charge.

#### **7. CASH BILLING DISCOUNT:**

Cash billing or percentage discount for payment of invoices within a specified period of time will not be considered by the Authority in evaluating bids. When determining if it has earned a cash billing discount offered by the Contractor, the Authority will consider the period from the date of the invoice plus two business days for mailing or the date of receipt of the goods or services, whichever is later, to 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.

#### **8. INVOICES:**

Invoices must be sent to the Chicago Transit Authority, Accounts Payable, 567 W. Lake Street, Chicago, IL 60661-1465. 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.

#### **9. PRICE REDUCTION:**

If the Contractor to whom a contract has been awarded makes a general price reduction effective on or after the date of its bid in the comparable price of any material covered by this Contract to customers generally, an equivalent price reduction based on similar quantities and/or considerations shall apply to this Contract for the duration of the term (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) calendar days of any general price reduction notify the Procurement Administrator of such reduction by letter. Failure to do so may result in termination of this Contract, without prejudice to any other remedies of the Authority.

The Contractor, when required by the Procurement Administrator within ten (10) calendar days after the end of the term, 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 Procurement Administrator within ten (10) calendar 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 Procurement Administrator was notified of any such reduction.

#### **10. PROMPT PAYMENT TO SUBCONTRACTORS:**

The Contractor is required to pay all Subcontractors for all work that the Subcontractor has satisfactorily completed, no later than fourteen (14) calendar days after the Contractor has received payment from the Authority. In addition, any 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 Contact Person, satisfactorily completed its portion of the work. The requirements of this paragraph must be stated in all of the Contractor's subcontracts.

A delay in or postponement of payment to a Subcontractor requires good cause and prior written approval of the General Manager, Purchasing. The Contractor is required to include, in each subcontract, a clause requiring the use of appropriate arbitration mechanisms to resolve all payment disputes.

The Authority will not pay the Contractor for work performed unless and until the Contractor ensures that Subcontractors have been promptly paid for the work they have performed under all previous payment requests, as evidenced by the filing with Authority of lien waivers (if applicable), canceled checks (if requested), and the Contractor's sworn statement that it has complied with the prompt payment requirements. The Contractor 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 Authority, except for the first payment request.

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.

#### **11. GUARANTEES AND WARRANTIES:**

All guarantees and warranties required shall be furnished by the Contractor and shall be delivered to the Procurement Administrator before final payment on the contract is issued.

#### **12. INDEMNIFICATION:**

The Contractor agrees to protect, defend, indemnify, and hold the Authority, its Board members, officers, officials, representatives, and employees (hereafter "the Indemnified Parties"), free and harmless from and against any and all claims, damages, demands, fines, penalties, or losses, including damages for personal or bodily injury or death, in consequence of the granting of this Contract or arising out of or being in any way connected with the Contractor's performance under this Contract (collectively, "Losses"), except to the extent that the Loss is found by a court of competent jurisdiction to be solely caused by the negligence or willful misconduct of the Indemnified Party. The indemnity provided herein will be effective to the maximum extent permitted by applicable law and extends to all legal costs, including reasonable attorney fees, incurred in defense of a Loss. This indemnity is not limited by any amount of insurance required under this Contract, and, to the extent permissible by law, Contractor waives any statutory limits on its obligations to indemnify the Indemnified Parties. Upon tender by the Authority, the Contractor shall be solely responsible for the defense of any and all claims, demands, or suits against an Indemnified Party related to any Loss (including without limitation claims by Contractor's employees, subcontractors, agents, or servants) even though the claimant may allege negligence or willful misconduct by the Indemnified Party. The Authority will have the right, at its sole option, to participate in the defense of any such claim, demand or suit, without relieving the Contractor of its obligations hereunder. The Contractor will promptly provide, or cause to be provided, to the Authority's General Counsel, copies of such notices as Contractor may receive in respect of any Losses. The indemnity contained in this section will survive the expiration or termination of this Contract.

#### **13. TERMINATION FOR CONVENIENCE:**

The Authority may terminate this Contract, in whole or in part, without cause and at any time, by written notice to the Contractor from either the General Manager, Purchasing or Vice President, Purchasing & Supply Chain, whenever the Authority determines that such termination is in the best interest of the Authority. The notice will specify the extent to which the Contract is being terminated, the effective date of termination, and the disposition of any deliverables or other property to be provided under the Contract that may be in progress and still in the Contractor's possession or control at the time of termination. Upon receipt of written notice of

termination, Contractor agrees to take such action as may be reasonably requested by the Authority for the orderly closeout and transition of the services or work, including making every reasonable effort to obtain cancellation of subcontracts, or, at the Authority's request, cause the assignment of any such subcontracts to the Authority or its designee upon terms satisfactory to the Authority. Contractor shall mitigate any costs incurred with respect to the services, work or delivery of goods being terminated; the Authority will have no liability for costs that could have been reasonably mitigated by Contractor.

The Contractor shall submit an invoice within sixty (60) days of such termination in full payment for the services, work or goods which were furnished to the satisfaction of the Authority prior to the effective date of termination and for which no previous invoice was submitted to the Authority. Such invoice shall conform to the compensation provisions of this Contract for those services, work or goods that were satisfactorily provided prior to termination, prorated as necessary for any partial performance or delivery if payment was to be made on a lump sum or periodic basis. The Contractor may also include in its invoice certain costs not contemplated by the Contract's compensation provisions that are incurred solely as a result of the Authority's termination for convenience, such as re-stocking charges by Contractor's suppliers for goods that had been ordered by the Authority prior to the Contractor's receipt of notice of termination, but only to the extent that they are reasonable and documented to the satisfaction of the Authority. Any disagreement between the Authority and the Contractor as to the amount of the invoice will be resolved pursuant to the disputes provision of the Contract. In no event will the Contractor be entitled to lost profits for the services, work or goods that were terminated, or be entitled to greater than the amount that it would have been paid had the Contract not been terminated.

#### **14. TERMINATION FOR CAUSE:**

The Authority may, by written notice to the Contractor from either the General Manager, Purchasing or Vice President Purchasing & Supply Chain, declare the Contractor in default of this Contract, in whole or in part, in the following circumstances:

- (a) If the Contractor fails to perform services or work, or fails to deliver goods, as applicable, within the time frames set forth in this Contract;
- (b) If the Contractor fails to perform services or work, or fails to deliver goods, as applicable, that are compliant with standards of performance and/or technical specifications set forth in this Contract;
- (c) If the Contractor fails to perform any other obligation or keep any other covenant required to be performed or kept by Contractor pursuant to the Contract.

Upon receipt of notice of default, Contractor shall have ten (10) calendar days (or such longer period of time as may be authorized by the Authority in its notice of default, or shorter if required under the circumstances) to cure the event of default. If Contractor fails to cure within such time, then in addition to any other remedies available to the Authority at law or in equity, the Authority may terminate this Contract, in whole or in part. In the event of termination, Contractor's performance hereunder shall cease, and the Contractor shall prepare a final invoice reflecting the services, work or goods actually furnished to the satisfaction of the Authority that have not appeared on a previous invoice within sixty (60) days of such termination. The Contractor agrees to take such action as may be reasonably requested by the Authority for the orderly closeout and transition of the services or work at its cost, including making every reasonable effort to obtain cancellation of subcontracts, or, at the Authority's request, cause the assignment of any such subcontracts to the Authority or its designee upon terms satisfactory to Authority. The Authority agrees to pay the Contractor, in accordance herewith and as reflected on said invoices, for services actually furnished, less payment of any compensation previously paid and less any cost or damage incurred by the Authority as a result of such default, including; without limitation, any amounts necessary to obtain suitable substitute or replacement contractors whose costs are in excess of the payments that would have been due to the Contractor if the Contractor had satisfactorily performed the remainder of the Contract, as sole compensation for such termination. In the event that termination by the Authority for cause is determined by a court of competent jurisdiction to have been wrongful, it will be deemed to be a termination for convenience.



**15. NOTICE:**

All communications and notices under this Contract 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, General Manager, Purchasing, 567 W. Lake Street, Chicago, IL 60661-1465, as applicable. Notices delivered by mail will be deemed effective three (3) days after mailing in accordance with this section. Notices delivered personally will be deemed effective upon receipt. The addresses stated herein may be revised without need for modification or amendment of this Contract, provided written notification is given in accordance with this section.

**16. 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 its Subcontractors will furnish such reports and information as requested by the 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.

**17. DISADVANTAGED BUSINESS ENTERPRISES:**

All parties are hereby notified that in regard to any contract resulting from this solicitation, 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.

**18. INELIGIBLE CONTRACTORS:**

Contractor hereby certifies that neither it nor any of its Subcontractors are currently debarred for violations of any applicable public contracts incorporating labor standards provisions or included on any applicable list thereof, including without limitation the General Service Administration's System for Award Management, the Illinois Department of Transportation's Suspension List, the Illinois Department of Labor Public Works Debarred Contractors List, the Illinois Department of Human Rights Debarred Companies List, the City of Chicago's List of Debarred Firms and Individuals, or the Authority's Suspension and Debarments Report.

**19. PROHIBITED INTERESTS AND CONFLICTS OF INTEREST:**

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. No member, officer, or employee of the Authority or any other local public body with financial interest or control in this contract during his or her tenure or for one year thereafter shall have any interest, direct or indirect, in this contract or to the proceeds thereof.

The Contractor is prohibited from performing any work or services for the Authority that conflict with work or services that the Contractor performs under any other contract with the Authority. The Contractor covenants that it, its members, affiliates and Subcontractors, and the officers, directors and employees of the foregoing, have no interest and must not acquire any interest, direct or indirect, in the work to which this Contract pertains, which would conflict in any manner or degree with the performance of the work hereunder.

**20. ENVIRONMENTAL AND ENERGY PROTECTION AND CONSERVATION REQUIREMENTS:**

The Contractor shall comply with all federal, state and local statutes, ordinances, regulations and rules as now existing or later amended, relating to environmental quality, health, safety, contamination and cleanup, in connection with the performance of this Contract, including, without limitation, (1) the Clean Air Act (42 U.S.C.

§ 7401 *et seq.*), (2) the Federal Water Pollution Control Act (33 U.S.C. § 1251 *et seq.*), (3) the Occupational Safety and Health Act, 29 U.S.C. §651 *et seq.*, (4) the Resource Conservation and Recovery Act (42 U.S.C. § 6962), including but not limited to the regulatory provisions of 40 C.F.R. Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 C.F.R. Part 247., (5) the State energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. § 6231 *et seq.*), and (6) applicable FTA and DOT environmental regulations. Where there are federal, state and local requirements, the most restrictive criteria shall govern.

## **21. MINIMUM WAGE:**

Contractor and its Subcontractors must comply with Transit Board Ordinance No. 014-124 ("Minimum Wage Ordinance") and any regulations promulgated in pursuant thereof, to provide for a fair and adequate minimum wage to be paid to certain employees of certain Authority contractors and subcontractors, as described in categories 1, 2 and 3 below. As of November 15, 2014, the minimum wage to be paid pursuant to the Minimum Wage Ordinance is \$13.00 per hour ("Minimum Wage"). This minimum hourly wage is subject to adjustment on July 1 of every year based on the Consumer Price Index.

The Minimum Wage must be paid to:

- (1) all Contractor and Subcontractor employees performing work or services on property owned or controlled by the Authority or at any other location specified by the Authority in the Contract as the location for performance of the work or services;
- (2) those Contractor and Subcontractor employees who are directly performing work or services for which the Authority pays the Contractor an hourly rate or a per piece work rate for work; and
- (3) those Contractor and Subcontractor employees who fulfill the Authority's requirement for the Contractor to provide specified work hours or a specified number of workers;

however; the Minimum Wage requirement does not apply :

- (a) to valid IRS Code Section 501(c)(3) not-for-profit organizations;
- (b) with respect to any employee:
  1. whose work or services are performed in general support of the Contractor's or Subcontractor's operations,
  2. do not directly relate to the work or services provided to the Authority under the Contract,
  3. are either not included in the Contract price or are included in the Contract price as overhead, and
  4. that employee's regularly assigned work location does not fall within category #1 above;
- (c) to categories of employees subject to subsection 4(a)(2), subsection 4(a)(3), subsection 4(d), subsection 4(e), or Section 6 of the Illinois Minimum Wage Law, 820 ILCS 105/1 *et seq.*, as amended; but does apply to those workers described in subsections 4(a)(2)(A) and 4(a)(2)(B) of the Illinois Minimum Wage Law; and
- (d) to employees subject to a collective bargaining agreement that provides for different wages than those required by the Minimum Wage Ordinance, provided that collective bargaining agreement was either in force prior to November 15, 2014 or, if negotiated after November 15, 2014, clearly and specifically waives the requirements of the Minimum Wage Ordinance.

Contractor and its Subcontractors must cooperate in any investigation by the Authority regarding compliance with the Minimum Wage Ordinance. Failure of the Contractor or any of its Subcontractors to comply with the Minimum Wage Ordinance or to cooperate in such an investigation is grounds for the Authority declaring the Contractor in default of this Contract and exercising such remedies as the Authority deems appropriate. Contractor must include this provision in all subcontracts and cause its Subcontractors to comply with its requirements.

If this Contract includes any provisions (including, but not limited to, Davis-Bacon Act or Illinois Prevailing Wage Act) requiring payment of higher wages than required by the Minimum Wage Ordinance, then the Contractor and its subcontractors shall pay the higher wages required by such provisions.

## **22. PATENT RIGHTS:**

To the extent required by the FTA rules and regulations, the Federal Government is entitled to a non-exclusive, royalty free license to use any invention resulting from this Contract, or patent to the invention, for Federal Government purposes.

## **23. 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.

## **24. ACCESS TO RECORDS AND REPORTS:**

The Contractor shall maintain its books, records, documents, and other evidence, and adopt accounting procedures and practices sufficient to properly reflect all costs of whatever nature, and provide the Authority, the DOT, the FTA Administrator, the Comptroller General of the United States, or the State of Illinois 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, from the date of this Contract through and until the expiration of five (5) years after completion of this Contract, or in the event of litigation or settlement of claims arising from the performance of this Contract, until the final disposal of all such litigation, appeals, claims, or exceptions related thereto, if longer.

No provision in this Contract granting the Authority a right of access to records and documents is intended to impair, limit, or affect any right of access to such records and documents that the Authority would have had in the absence of such provisions.

## **25. 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. § 3801 *et seq.* and U.S. Department of Transportation and FTA regulations, "Program Fraud Civil Remedies", 49 C.F.R. Part 31, may 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.

## **26. ETHICS:**

The Contractor agrees to comply with all applicable requirements of the Illinois State Officials and Employees Ethics Act, 5 ILCS 430/1-1 *et seq.*, ("Ethics Act"), as it may be amended from time to time, the applicable provisions of which are incorporated into this Contract to the same force and effect as if set forth in full herein. As required by the Ethics Act, as amended, the Contractor agrees to cooperate fully and expeditiously with

the State Office of the Executive Inspector General in all investigations. This obligation applies to all officers, directors, agents, partners, employees, and subcontractors of the Contractor.

The Contractor must comply with Authority Ordinance No. 004-76, as amended, the Authority Ethics Ordinance, the provisions of which are hereby incorporated into this Contract. The Contractor agrees that, as provided by Section 5.3 of the Ethics Ordinance, any Contract negotiated, entered into, or performed in violation of the Ethics Ordinance shall be voidable as to the Authority.

#### **27. PRIVACY ACT:**

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.

#### **28. OBLIGATION TO COMPLY WITH STATE AND FEDERAL LAW AND REGULATIONS:**

The Contractor must at all times comply with all applicable IDOT, RTA and FTA regulations, policies, procedures, and directives, including without limitation, in each case to the extent applicable, those listed directly or by reference in the "Master Agreement" between the Authority and FTA, and any agreements between IDOT and RTA and RTA and CTA, or other applicable funding source, as they may be amended or promulgated from time to time during the term of this Contract. The Contractor's failure to so comply will constitute a material breach of this Contract.

#### **29. INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION TERMS:**

The preceding provisions include, in part, certain Standard Terms and Conditions required by the DOT, whether or not expressly set forth in the preceding contract provisions. To the extent the DOT is a funding source of this Contract, all contractual provisions required by the 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 will be deemed to control in the event of a conflict with other provisions contained in this Contract. The Contractor must not perform any act, fail to perform any act, or refuse to comply with any Authority requests that would cause the Authority to be in violation of the FTA terms and conditions.

#### **30. 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 Vice President, Purchasing & Supply Chain, who shall reduce the decision to writing. This decision shall be final and binding. A copy of the decision shall be communicated to the Contractor as herein provided. The remedies under the terms of this Contract are not exclusive of any other remedy. Each and every remedy is cumulative and in addition to any other remedy, existing now or hereafter, at law, or in equity.

#### **31. ORDER OF PRECEDENCE:**

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

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

Any Addenda, which may be issued, shall be a part of the 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.

**32. NO WAIVER; CUMULATIVE REMEDIES:**

No failure to exercise, and no delay in exercising, any right, power or privilege hereunder, shall operate as a waiver thereof; nor shall any single or partial exercise of any right, power or privilege hereunder preclude or require any other or further exercise thereof or the exercise of any other right, power or privilege. The remedies under the terms of this Contract are not exclusive of any other remedy. Each and every remedy is cumulative and in addition to any other remedy, existing now or hereafter, at law, or in equity.

**33. SEVERABILITY:**

If any provision of this Contract shall be held or deemed to be or shall in fact be inoperative or unenforceable as applied in any particular case in any jurisdiction or jurisdictions or in all cases because it conflicts with any other provision or provisions hereof or of any constitution, statute, ordinance, rule of law or public policy, or for any other reason, such circumstances shall not have the effect of rendering any other provision or provisions herein contained invalid, inoperative, or unenforceable to any extent whatever. The invalidity of any one or more phrases, sentences, clauses or sections contained in this Contract shall not affect the remaining portions of this Contract or any part thereof.

**34. EXECUTION:**

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

**35. SUBLETTING OR ASSIGNMENT OF CONTRACT OR CONTRACT FUNDS:**

Neither this Contract nor any funds or claims in connection herewith shall be assigned or sublet in whole or in part without the prior written approval of the Vice President, Purchasing & Supply Chain, and in no case shall such written approval relieve the Contractor from its obligations or change the terms of the Contract Documents. The Contractor must include all applicable requirements in any subcontract.

**36. PARTICIPATION BY OTHER AGENCIES:**

In the event that other local government agencies negotiate their own agreements with the Contractor based on the terms and conditions in this Agreement, such other agencies will issue their own contracts directly to the Contractor. Participation by other agencies shall have no adverse effect on the Authority. The Authority will not be responsible for any obligation due from any other agency to the Contractor. The Authority will have no liability for the acts or omissions of any other agency.

Prior to entering into a contract with another agency in connection with this provision, the Authority recommends, but does not require, that the Contractor ask the other agency to confirm that it has determined that use of this provision is in compliance with all applicable procurement rules and regulations, including the rules and regulations of any grantor such as the Federal Transit Administration. The Authority makes no warranty or representation that the Authority's selection process for this Contract will achieve such compliance.

**37. GOVERNING LAW:**

This Contract will be governed in accordance with the laws of the State of Illinois, without regard to choice of law principles.

**38. ENTIRE AGREEMENT:**

The Contract Documents shall constitute the entire agreement between the parties and no other warranties, inducements, considerations, promises or interpretations shall be implied or impressed upon these Contract Documents that are not expressly addressed herein.

## AFFIDAVIT OF PROMPT PAYMENT

The undersigned affirms, to the best of his/her knowledge and belief, that:

- (1) The undersigned understands and agrees that the Prime Contractor is required to pay all Subcontractors for all work that any Subcontractor has satisfactorily completed no later than 14 business days after the Prime Contractor has received payment from the Authority.
- (2) The undersigned understands and agrees that the Prime Contractor is required to pay all retainage amounts, if any, to the all Subcontractors no later than 14 business days after any Subcontractor has satisfactorily completed its portion of the work, whether or not the Authority has paid the Prime Contractor for that portion of the work.
- (3) The undersigned understands and agrees that any delay in or postponement of payment to any Subcontractor by the Prime Contractor requires good cause and prior written approval of the General Manager, Purchasing.
- (4) The undersigned understands and agrees that the Authority will not pay the Prime Contractor for Services performed or Deliverables submitted unless and until the Prime Contractor certifies that the Subcontractors have been promptly paid for the work or services they have performed under all previous payment requests, as evidenced by the filing with the Authority the Prime Contractor's sworn statement that he/she has complied with the prompt payment requirements.

The undersigned solemnly declares and affirms under penalty of perjury that the above and foregoing are true and correct, and that he or she is authorized on behalf of the Prime Contractor to make this affidavit.

\_\_\_\_\_  
(Name of Prime Contractor)

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

\_\_\_\_\_  
(Name and Title of Affiant)

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

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

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

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

is 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**

### AFFIDAVIT OF MINIMUM WAGE PAYMENT

The undersigned affirms, to the best of his or her knowledge and belief, that:

- (1) The undersigned understands and agrees that the Contractor and its Subcontractors are required to pay certain employees \$13.00 ("Minimum Wage") per hour for all work that qualifies under Transit Board Ordinance No. 014-124 ("Minimum Wage Ordinance").
- (2) The undersigned understands and agrees that the Contractor, or Subcontractor, as applicable, is required to pay Minimum Wage to:
  - a) all Contractor and Subcontractor employees performing work or services on property owned or controlled by the Authority or at any other location specified by the Authority in the Contract as the location for performance of the work or services;
  - b) those Contractor and Subcontractor employees who are directly performing work or services for which the Authority pays the Contractor an hourly rate or per piece work rate for work; and
  - c) those Contractor and Subcontractor employees who fulfill the Authority's requirement for the Contractor to provide specified work hours or a specified number of workers;Except as otherwise set forth in the contract and the Minimum Wage Ordinance.
- (3) The undersigned understands and agrees that the Contractor and its Subcontractors must cooperate in any investigation by the Authority regarding compliance with the Minimum Wage Ordinance. Failure of the Contractor or any of its Subcontractors to comply with the Minimum Wage Ordinance or to cooperate in such an investigation is grounds for the Authority declaring the Contractor in default of this Contract and exercising such remedies as the Authority deems appropriate.
- (4) The undersigned understands and agrees that the Authority will not pay the Contractor for services performed or deliverables submitted unless and until the Contractor or Subcontractor, as applicable, certifies that the qualifying employees are being paid the Minimum Wage, as evidenced by the filing with the Authority this sworn statement that it has complied with the Minimum Wage requirements.

The undersigned solemnly declares and affirms under penalty of perjury that the above and foregoing are true and correct, and that he or she is authorized on behalf of the Contractor or Subcontractor to make this affidavit.

\_\_\_\_\_  
(Name of Prime/Sub Contractor)

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

\_\_\_\_\_  
(Name and Title of Affiant)

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

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

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

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

is 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

## **SPECIAL CONDITIONS**

**SPECIFICATION NO. CTA 8324-15  
CONTRACT NO. C15RT101675318**

### **PERFORMANCE BOND/INSURANCE**

None required.

### **SCOPE**

This work will consist of furnishing 40 Advanced Transportation Controllers (ATC) to the Chicago Transit Authority for installation into existing City of Chicago cabinets. The ATC controller shall meet the requirements of applicable portions of Sections in the Detailed Specification 8324-15 as related to the furnishing and testing of the ATC controllers.

### **DELIVERY**

Delivery shall be made to Attn: Mr. Robert Vance, Sr. Manager, Traffic Planning, Chicago Transit Authority, 567 W. Lake Street, Chicago, IL 60661. All shipping and handling charges shall be paid by the Contractor. Vendor shall notify Mr. Vance at (312) 681-4168, not less than 72 hours prior to shipment.

The contractor must provide "Request for Inspection of Material" forms for traffic signal controllers within six calendar days of Notice to Proceed (NTP) to Mr. Vance. The Chicago Transit Authority will review and comment on the submitted forms within six calendar days of receiving the forms. Final approval of the material is subject to approval by the Chicago Department of Transportation (CDOT) Division of Electrical Operations.

The initial 10 controllers are to be delivered to the Chicago Transit Authority within 42 calendar days of NTP. The remaining 30 controllers will be delivered in increments of 10 every 30 calendar days thereafter. If the controllers are not delivered, payment will be withheld until such time that the controllers are delivered.

All traffic signal timings will be programmed into the controllers by the CDOT Division of Electrical Operations.

### **PROPOSAL PAGE PREPARATION**

The Bidder shall state the following on the attached Proposal Pages:

1. Manufacturer and Manufacturer's Part Number.
2. Unit and Total Price, delivered.
3. Person to contact

### **BASIS OF CONTRACT AWARD**

This contract will be awarded to the lowest responsive and responsible bidder based on the Total Price of the material listed on Proposal Page P-1.

### **PRE-AWARD SUBMITTALS**

Bidders that submit items that have not been pre-approved by CTA's Planning Department or CDOT shall furnish sample as required by CTA Detailed Specification No. 8324-15 with their bid or within 5 calendar days upon request from the Authority. Failure of the sample to be submitted within the 5 calendar days or failure of the sample to meet the CTA Detailed Specifications shall be cause for their bid to be found non-responsive. Approval of an item does not guarantee an order under the currently proposed or future contracts.

### **PAYMENT**

The Contractor shall submit an invoice for the acceptable and approved material delivered. Original invoices shall be forwarded to CTA Accounts Payable Department, 567 W. Lake Street Chicago, IL 60661. Payment to Contractor will be made net 30 days after final acceptance of material, receipt of Contractor's invoice, or in accordance with the terms of the Contractor's invoice, whichever is most favorable to the Authority. Payment date(s) shall be calculated from receipt of invoice or final acceptance of goods or service, whichever is later. Each invoice must include the CTA contract number.



**CHICAGO TRANSIT AUTHORITY**  
**DETAIL SPECIFICATION**  
**FOR**  
**ADVANCED TRANSPORTATION CONTROLLER (ATC)**  
**SPECIFICATION NO. CTA 8324-15**

**1. SCOPE**

- 1.1. This specification shall detail the requirements for a Contractor to furnish traffic signal control equipment for use throughout the City of Chicago.

**2. GENERAL REQUIREMENTS**

- 2.1. If requested, the contractor must provide a sample. The sample must consist of the controller, cabinet, load switches, conflict monitor and all appurtenant wiring and equipment completely assembled as a working unit. This sample will be regarded as a finished production model and conformance or non-conformance to these specifications will be based on the sample submitted.
- 2.2. All tests as outlined herein or in the referenced specifications must be regarded as minimum requirements. The contractor must submit his testing procedure for approval prior to performing any testing functions. Upon successful completion of all testing, certified test reports must be submitted for each unit. Units not successfully passing these tests or lacking proper documentation will be rejected.
- 2.3. Standards. Equipment furnished under this specification must meet the appropriate requirements of the following standards organizations, as required within the body of this specification:
- a. American Association of State Highway and Transportation Officials (AASHTO)
  - b. American Society for Testing and Materials (ASTM)
  - c. Institute of Transportation Engineers (ITE)
  - d. Manual on Uniform Traffic Control Devices (MUTCD)
  - e. National Electrical Manufacturers Association (NEMA)
  - f. Occupational Safety and Health Administration (OSHA)
  - g. Underwriters Laboratories (UL)

## 2. GENERAL REQUIREMENTS (Continued)

- 2.4. Manufacturers. The manufacturer of the controller and of each major component must demonstrate knowledge of past production, or have been actively engaged in the sale and/or service of traffic signal controllers, cabinets, and the other equipment herein described, as demonstrated by a submitted list of comparable projects. The manufacturer must be a recognized company that manufactures ATC controllers, such as Peek Traffic or equal.
- 2.5. Warranty. The manufacturer must warranty the performance and construction of the traffic signal controllers to meet the requirements of this specification, and must warranty all parts, components, and appurtenances against defects in design, material, and workmanship for a period of one (1) year after installation. In the event of defects or failures during this period, the manufacturer must repair and/or replace all defective or failed parts or appurtenances at no expense to the City of Chicago.

## 3. DETAILED REQUIREMENTS

- 3.1. ATC. The controller must be an Advanced Transportation Controller (ATC) meeting the requirements of the specification "Advanced Transportation Controller (ATC) Standard Version 5.2b" dated June 26, 2006, and the requirements of NEMA-TS2-2003. The referenced specification is a joint effort of AASTHO, NEMA, and ITE. Since each user agency has different controller needs, for installation in the City of Chicago the controller must meet the programming modifications and options listed in the ATC Matrix as indicated in Table A. All software necessary to make the controller operational must be included.
- 3.2. Power. The controller must operate on 120 volt, 60 cycle ( $\pm 3$  Hertz), single phase, alternating current. The controller must function in the range from 89 to 135 Volts AC. The power consumed must be under 50VA.
- 3.3. Instructions. One (1) complete set of up to date instructions providing complete information on installation, adjustment, operation and maintenance, including both up to date "Logic Schematics" and "Electronic Circuit" diagrams, of these controllers, must be furnished for approval prior to the first shipment of controllers. All information, including photos and schematics, must reference to the controller being furnished on this contract and must be a high quality, completely legible reproduction. Upon approval, one complete set of data must be furnished with each controller.

### 3. DETAILED REQUIREMENTS (Continued)

- 3.4. Chassis. Aluminum construction with powder coat finish. No plastic chassis or composite chassis will be allowed. The controller must physically fit into existing 'M', 'P', and 'SUPER P' cabinets configured for the City of Chicago applications, so that retrofitting will not be a problem. The controller must not exceed the following dimensions: 10.5 inches high, 10.5 inches deep, and 15 inches wide.
- 3.5. Processor / Memory. At a minimum, the processor will be:
  - a. Clock speed - 300MHz
  - b. Non-volatile Memory - 32MB Flash
  - c. DRAM - 64MB
  - d. SRAM - 1MB
- 3.6. All memory and firmware must be stored in flash memory. No EPROMS will be allowed.
- 3.7. Display. 16 x 40 backlit LCD using a 6 x 8 character font. Display and keypad must be permanently attached to chassis. Detachable keypads will not be allowed.
- 3.8. Environmental. The controller must operate in the temperature range of -34 degrees Celsius to +74 degrees Celsius. The controller must operate within the relative humidity of 5% to 95%.
- 3.9. All printed circuit boards must be mounted vertically.
- 3.10. Encapsulation of 2 or more discrete components into circuit modules is prohibited except for transient suppression circuits, resistor networks, diode arrays, solid-state switches, optical isolators and transistor arrays. All encapsulated components must be second sourced and must be of such design, fabrication, nomenclature or other identification as to be purchased from a wholesale distributor or from the component's manufacturer as a standard product. Custom encapsulated components are not allowed.
- 3.11. Obsolete components. Components no longer supported by the manufacturer, components not recommended for new designs, components which have been discontinued or which the CONTRACTOR should have reasonably been expected to know were discontinued, or components which the vendor/manufacturer has announced plans to discontinue at the time of the bid must not be used in the design of any subassemblies provided under this contract.

### 3. DETAILED REQUIREMENTS (Continued)

- 3.12. The controller must meet the functional and environmental requirements of NEMA TS2 2003. The use of 2070s, 170s, BIUs, SIUs, or similar devices is not allowed.
- 3.13. As allowed by ATC v5.2b, Section 8.1.1, the controller will utilize NEMA 'A', 'B', and 'C' I/O connectors, except for the HMC-1000 and LMD40 I/O variants. Pin assignments for NEMA 'A', 'B', and 'C' connectors must follow the NEMA TS2 2003 standards for I/O. Port 2 must be the ATC v5.2b pin-limited version of NEMA TS2 Port 2. Port 4 (C50S) must be a 9-pin connector with only limited signals being required.
- 3.14. Special function connector for the TS2-2 must follow the CPC style "D" pin outs as follows:

CPC MSD Pin	Function
1	Flash
2	Offset 1
3	Interconnect Common
4	User defined input 6
5	Offset 2
6	Offset 3
7	Time Plan A
8	User defined input 7
9	User defined input 8
10	Call to Free
11	Call to week 10
12	Time Plan B
13	Time Plan C
14	Time Plan D
15	Alt Seq A
16	Alt Seq B
17	Alt Seq C
18	Dimming
19	Monitor status bit C
20	System Input
21	Alt Seq D
22	Monitor status bit A
23	Monitor status bit B
24	Veh Det 13
25	Veh Det 9
26	Veh Det 10
27	Veh Det 11
28	Polarizing Pin

3. DETAILED REQUIREMENTS (Continued)

<b>CPC MSD Pin</b>	<b>Function</b>
29	Veh Det 12
30	Veh Det 14
31	Veh Det 15
32	Veh Det 16
33	SGO/Conditional Service
34	Preempt input 5
35	Preempt output 1
36	Preempt output 2
37	Interconnect inhibit
38	Time Clock sync
39	Sync inhibit
40	Preempt input 1
41	Preempt input 2
42	Preempt input 3
43	Preempt output 3
44	Polarizing Pin
45	Preempt output 4
46	Preempt output 5
47	System Out
48	Preempt output 6
49	Preempt input 4
50	Clock Ckt 9 (Aux 1)
51	Clock Ckt 10 (Aux 2)
52	Clock Ckt 11 (Aux 3)
53	Clock Ckt 12 (Aux 4)
54	Clock Ckt 13 (System)
55	Clock Ckt 8 (Flash)
56	Clock Ckt 3 (Offset 1)
57	Clock Ckt 4 (Offset 2)
58	Clock Ckt 5 (Offset 3)
59	Clock Ckt 1 (T/P A)
60	Clock Ckt 2 (T/P B)
61	Clock Ckt 6 (T/P C)
62	Clock Ckt 7 (T/P D)
63	Preempt input 6

### 3. DETAILED REQUIREMENTS (Continued)

#### 3.15. Downward compatibility with existing City of Chicago cabinets.

- a. The controller must be of a modular design allowing for the ability to exchange I/O modules to allow for use in existing City of Chicago HMC-1000, LMD40, and standard NEMA TS2-2 cabinets. This I/O module must be "plug and play". The controller's firmware must detect the type of I/O installed (HMC-1000, LMD40 or NEMA TS2) and provide the proper user interface. Adapter harnesses for the HMC-1000, LMD40 and Setcon clock will not be allowed.
- b. The HMC-1000 I/O module must be pinned as follows:

63 Pin Connector	Function
1	Output 20
2	Output 11
3	Manual Advance
4	Stop Time
5	Output 24
6	Offset 1
7	Offset 3
8	Output 15
9	Preempt 2
10	Advance
11	Output 23
12	Restart
13	Output 32
14	Offset 2
15	Output 16
16	Preempt 1
17	Output 25
18	Output 28
19	Spare 1
20	Spare 2
21	Output 7
22	Output 18
23	Output 21
24	Output 22
25	Dial 3
26	Dial 2
27	Output 1
28	Output 14
29	Output 4

3. DETAILED REQUIREMENTS (Continued)

63 Pin Connector	Function
30	Output 29
31	Output 27
32	Output 17
33	Output 9
34	Output 19
35	Dial 4
36	On-Line
37	Flashing Bus
38	Manual
39	Output 30
40	Output 31
41	Output 12
42	Output 10
43	Output 2
44	Output 3
45	Output 13
46	Output 8
47	Output 26
48	Logic Ground
49	Not Used
50	Not Used
51	Output 5
52	Output 6
53	Logic Ground
54	Logic Ground
55	Not Used
56	Not Used
57	Not Used
58	Not Used
59	24 V.D.C
60	Not Used
61	115 Volts AC
62	AC Neutral
63	Chassis Ground

3. DETAILED REQUIREMENTS (Continued)

- c. The LMD40 I/O module contains 4 I/O connectors, MSA, MSB, MSD, and communications connectors which must be pinned as follows:

<b>LMD40 MSA</b>	<b>Pin</b>	<b>Voltage Level</b>
Actuation 3	A	DC
24 V.D.C	B	DC
Voltage Monitor	C	DC
Actuation 1	D	DC
Actuation 2	E	DC
Preemption 2	F	DC
Preemption 1	G	DC
Interval Advance	H	DC
Stop Time	J	DC
MCE (Manual Control)	K	DC
External C/S/O	L	DC
Signal Plan 2	M	DC
Signal Plan 3	N	DC
System Cont/AZ Reset	P	DC
External Start	R	DC
Remote Flash (AC)	S	120 VAC
Interconnect Common	T	120 VAC
AC – (Common)	U	AC
Chassis Ground	V	Earth Ground
Logic Ground	W	DC Reference
Output 1	X	DC
Output 2	Y	DC
Output 3	Z	DC
Output 4	a	DC
Output 5	b	DC
Output 6	c	DC
Output 7	d	DC
Output 8	e	DC
Output 9	f	DC
Output 10	g	DC
Output 11	h	DC
Output 12	i	DC
Output 13	j	DC
Output 14	k	DC
Output 15	m	DC
Output 16	n	DC
AC+ input	p	120 VAC
Output 17	q	DC
Output 18	r	DC



3. DETAILED CONTROLLER REQUIREMENTS (Continued)

<b>LMD40 MSA</b>	<b>Pin</b>	<b>Voltage Level</b>
Output 19	s	DC
Output 20	t	DC
Output 21	u	DC
Spare Output	v	DC
Spare Output	w	DC
Spare Output	x	DC
Cycle 2 (User Defined )	y	120 VAC
Cycle 3 (User Defined)	z	120 VAC
Split 2	AA	120 VAC
Split 3	BB	120 VAC
Output 22	CC	120 VAC
Output 23	DD	120 VAC
Offset 1	EE	120 VAC
Offset 2	FF	120 VAC
Offset 3 (user def 1)	GG	120 VAC
Output 24	HH	DC

<b>LMD40 MSB</b>	<b>Pin</b>	<b>Voltage</b>
Output 25	A	DC
Output 26	B	DC
Output 27	C	DC
Output 28	D	DC
Output 29	E	DC
Output 30	F	DC
Output 31	G	DC
Output 32	H	DC
Output 33	J	DC
Output 34	K	DC
Output 35	L	DC
Output 36	M	DC
Output 37	N	DC
Output 38	P	DC
Output 39	R	DC
Output 40	S	DC
Actuation 4	T	DC
Hold	U	DC
Force Off	V	DC

3. DETAILED CONTROLLER REQUIREMENTS (Continued)

<b>LMD40 MSD</b>	<b>Pin</b>	<b>Voltage</b>
Flash Monitor 1	1	120 VAC
Cycle 5	2	120 VAC
PE Clear 1	3	DC
PE Clear 3	4	DC
Flash Monitor 2	5	120 VAC
Spare Input 4	6	120 VAC
System Input	7	120 VAC
AZ Reset (Absolute Zero)	8	DC
PE Clear 2	9	DC
UD 6 Input	10	DC
Call to week 10	11	DC
Signal Plan 6	12	DC
Signal Plan 7	13	DC
Signal Plan 8	14	DC
Actuation 5	15	DC
Actuation 6	16	DC
Actuation 7	17	DC
Spare input 1	18	DC
UD 7 Input	19	DC
Actuation 8	20	DC
Actuation 9	21	DC
Actuation 10	22	DC
Spare input 2	23	DC
UD 8 input	24	DC
Sys Command (Ckt 13)	25	DC
Flash Attained	26	DC
PE Active	27	DC
Polarization	28	DC
System Out	29	DC
Preempt input 3	30	DC
Preempt input 4	31	DC
Preempt input 5	32	DC
Signal Plan 5 in	33	DC
Call to FREE op	34	DC
Output 41	35	DC
Output 42	36	DC
Interconnect Inhibit	37	DC
Spare input 3	38	DC
Sync Inhibit	39	DC
Dimming	40	DC
Added Time inhibit	41	DC
Time Clock Sync	42	DC

3. DETAILED CONTROLLER REQUIREMENTS (Continued)

<b>LMD40 MSD</b>	<b>Pin</b>	<b>Voltage</b>
Output 43	43	DC
Polarization	44	DC
Output 44	45	DC
Output 45	46	DC
Output 46	47	DC
Output 47	48	DC
Signal Plan 4	49	DC
Aux 1 (Ckt 9)	50	DC
Aux 2 (Ckt 10)	51	DC
Aux 3 (Ckt 11)	52	DC
Aux 4 (Ckt 12)	53	DC
Output 48 (FF Enable)	54	DC
Flash Out (Ckt 8)	55	DC
Offset 1 (Ckt 3)	56	DC
Offset 2 (Ckt 4)	57	DC
Offset 3 (Ckt 5)	58	DC
Cycle 2 (Ckt 1)	59	DC
Cycle 3 (Ckt 2)	60	DC
Split 2 (Ckt 6)	61	DC
Split 3 (Ckt 7)	62	DC
Fast Flash Image	63	DC

<b>LMD40 Communication Connector (15 pin sub-D)</b>	<b>PIN</b>	<b>Voltage</b>
System Detector 11	1	DC
System Detector 12	2	DC
System Detector 13	3	DC
System Detector 14	4	DC
System Detector 15	5	DC
System Detector 16	6	DC
System Detector 17	7	DC
System Detector 18	8	DC
Monitor Status bit B	9	DC
Monitor Status bit A	10	DC
Monitor Status bit C	11	DC
DC User Defined in #1	12	DC
Logic Ground	13	DC
DC User Defined in #2	14	DC
DC User Defined in #3	15	DC

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- d. The Setcon I/O connector will be resident on the HMC1000 version of the ASTC I/O.

<b>Setcon Clock Connector</b>	<b>PIN</b>	<b>Voltage</b>
Output 1	1	DC
Output 2 (Dial 2)	2	DC
Output 3 (Dial 3)	3	DC
Output 4 (Dial 4)	4	DC
Output 5 (Offset 1)	5	DC
Output 6 (Offset 2)	6	DC
Output 7 (Offset 3)	7	DC
Output 8 (Flash)	8	DC
Sync Output	9	DC
Sync Input	10	DC
Not used	11	N/A
Logic Ground	12	DC
Not Used	13	N/A
Not Used	14	N/A
Not Used	15	N/A
Not Used	16	N/A

#### 3.16. Communication.

##### 3.16.1. NTCIP (National Transportation Communications for ITS Protocol).

- a. The controller must be compliant with NTCIP Standards as outlined in NEMA TS2 – 2003 and must be tested and documented for compliance.
- b. Global objects must be compliant to NTCIP 1201 v2.26 or later.
- c. Actuated Signal Controller objects must be compliant to NTCIP 1202 v2.19f or later.

##### 3.16.2. Serial ports, one of which must be set as either RS-232 or RS-485.

##### 3.16.3. Ability to add an internal GPS module.

##### 3.16.4. Ethernet. The controller must be equipped with a minimum of two front panel mounted 10/100Mb Ethernet ports.

##### 3.16.5. A single port USB interface must be provided to facilitate database transfers, re-flashing of operation software and log transfer.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- 3.16.6. The unit must be fully compatible with, and fully functional within, the City of Chicago's existing MIST system (Management Information System for Transportation). MIST is a product of Telvent/Schneider Electric. All available functions and capabilities that exist within existing MIST controllers must be available within this unit, as well as being compatible with the ATC LMD40 unit and the ATC NEMA unit. Any additional software or hardware necessary to fully integrate the controller into the MIST system must be provided by the bidder and will be considered as part of the requirements of this specification.
- 3.16.7. A Windows based laptop utility software must be provided for data transfers and monitoring of controller operation.
- 3.16.8. A fiber-optic modem must be provided, if required. The modem must be compatible with existing City of Chicago fiber interconnect systems. The modem may be internal or external to the controller.
- 3.17. Software operation:
  - 3.17.1. The controller must have the ability to re-synch a minimum of 8 cycle lengths to an "absolute zero" reference point. It must be possible to set absolute zero by either global command or individual cycle length.
  - 3.17.2. In addition to hardwire input, it must be possible to set Absolute Zero via keyboard command or fiber optic communication.
  - 3.17.3. The controller must have the ability to operate in two modes of operation, selectable by time of day:
    - a. Actuated control per NEMA TS2 – 2003.
    - b. Pretimed Interval based control per NEMA TS2 – 2003.
  - 3.17.4. The controller must have the ability to transfer between actuated control and interval based control by time of day schedule.
  - 3.17.5. The controller must have 32 Pre-timed plans
    - a. Each plan will allow for up to 32 timing intervals
    - b. Each plan will allow for 64 circuit outputs. Each output must be individually programmable per interval.
  - 3.17.6. The controller must have 100 coordination plans.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

3.17.7. The controller must provide 6 preempts per NEMA TS2-2003.

3.17.8. The controller will offer security as follows:

- a. Two 4 digit security codes can be programmed (one for timing data, one for signal plan data), which when activated, allow data changes. These codes must automatically de-activate 10 minutes after the last user keystroke. It must be possible to re-program the security codes if the previous security code is known or has been defeated.
- b. It must not be possible to read the security code from the controller's display.
- c. It must be possible to access the controller in the case of a lost security code through a "back door" which must be provided only by the controller manufacturer. This "back door" security code must change based upon the controller's internal calendar.

#### 3.18. Conflict Monitor:

3.18.1. General. Each controller must be furnished with a NEMA conflict monitor unit for checking for conflicts in the signal output circuits. The conflict monitor must be capable of monitoring a minimum of twelve (12) distinct channels. It must be a self-contained unit with its own power supply and not be located within the timer housing.

3.18.2. Programming Board. A removable programming board must be supplied with the monitor for programming signal compatibility. The circuits for programming must be composed of soldered jumper wires. Diode or dip switch type programming will not be acceptable. The programming board must contain no circuitry or components other than the wire jumpers and the wire jumper soldering devices.

3.18.3. Flashing Circuit Energizing. The conflict monitor must be programmed to put the controller in a flashing sequence upon detection of a failure or conflicting signal display. The controller must also be programmed to energize the flash circuit if the conflict monitor is removed or loses its supply voltage. The conflict monitor must have a manual reset button to return the controller to normal operation after conflict circuit operation is no longer necessary.

3.18.4. Stop Time Circuit. A stop-time control circuit must be supplied from the conflict monitor to force the timer unit to stop timing upon detection of a conflict.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- 3.18.5. Indicator. The front panel of the conflict monitor housing must have an indicator which will be activated when a conflict or failure occurs as per Section 6 of NEMA Spec. TS1-1983.
- 3.18.6. Latch Circuit. The conflict monitor must have a latch circuit, insuring that if a voltage monitor failure occurs, the intersection remains in conflict until reset.
- 3.18.7. Memory. The conflict monitor must have the ability to store, in memory, a minimum of ninety-nine (99) conflict events, including date of conflict and channels conflicting.

#### 3.18.8. Conflict Monitor Assignments

- a. Conflict monitor channels must be assigned as follows:

Channel 1	Load Switch 1	Phase 1 Vehicle
Channel 2	Load Switch 2	Phase 2 Vehicle
Channel 3	Load Switch 3	Phase 3 Vehicle
Channel 4	Load Switch 4	Phase 4 Vehicle
Channel 5	Load Switch 5	Phase 5 Vehicle
Channel 6	Load Switch 6	Phase 6 Vehicle
Channel 7	Load Switch 7	Phase 7 Vehicle
Channel 8	Load Switch 8	Phase 8 Vehicle
Channel 2W	Load Switch 9	Phase 2 Ped
Channel 4W	Load Switch 10	Phase 4 Ped
Channel 6W	Load Switch 11	Phase 6 Ped
Channel 8W	Load Switch 12	Phase 8 Ped
Channel 9	Load Switch 13	Overlap A
Channel 10	Load Switch 14	Overlap B
Channel 11	Load Switch 15	Overlap C
Channel 12	Load Switch 16	Overlap D

- b. It must be possible for the user to change conflict assignments without unsoldering any connections.
- c. All unused channels - vehicle or pedestrian - must be neatly tied or terminal mounted in such a manner that they are readily available in front of the panel. If tied, the harness wires must be labeled. If terminal mounted, the terminations must be labeled.
- d. A terminal must be provided for the red enable feature.
- e. A terminal must be provided for the hook up of any unused red channels to AC.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- f. Controller monitoring must consist of; voltage monitor, 24 VDC I, 24 VDC II.
- g. The output relay must operate a sixty (60) ampere, normally open, "A" type mercury contactor without the use of an external or "cabinet interface" relay.

#### 3.19. "P" Type Cabinet:

- 3.19.1. Housing. Each controller must be furnished completely housed in a Type 5052-H32 aluminum housing of 0.125 inch thickness. All cabinets must be provided with factory installed 1 1/8" x 1/2" deep channels. Four channels must be provided for each cabinet side and back. All shelves, panels and individual equipment items must be mounted to these channels using 1.0" channel nuts with 1/4-20 bolts. All items mounted on panels must be securely fastened by bolting into drilled and tapped holes. No pop rivet or similar fastening methods will be accepted. Cabinets must be P Type with nominal dimensions of 55" high by 44" wide by 26" deep. Manufacturer will be Erpel, Hennessy, Southern Manufacturing Company, or approved equals.
- 3.19.2. Door. The cabinet must have a main door and a police door hinged with one-quarter inch (1/4") minimum, continuous, removable stainless steel pins. The doors must be closely fitted to a neoprene gasket making the doors dust, water and weather resistant. The doors must be interchangeable with any other doors from any other controller in this order.
  - a. Main Door. Opening of the main door must provide complete access to the cabinet interior. The door must be embossed, subject to approval, with the legend "CITY OF CHICAGO-TRAFFIC CONTROL" in letters at least one (1) inch high. The door must have stops at 90, 150 and 180 degrees, from the closed position. The door latch must have three (3) point locking with rollers at the ends of the latch rods. The latch handle must be capable of being padlocked. The key lock for the latch mechanism must be a Corbin cylinder lock with a #2 key. Two (2) keys must be furnished with each cabinet.
  - b. Police Panel Door. The police panel door must be furnished with a lock for a modified Chicago police key per sample to be furnished to the successful bidder. This key must have a shaft of at least one and three quarter inches (1-3/4") in length. Two keys must be furnished with each cabinet.



### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- 3.19.3. Cabinet Ventilation. A fan, having a minimum air movement capacity of 100 CFM, must be mounted in the air baffle in the top of the cabinet with an air outlet built into the roof overhang. The main door must be louvered and equipped with a removable, standard, commercially available aluminum dust filter. The ventilation openings must be equipped with removable covers for summer operation. No external fan housings or air outlets will be allowed. Any other method must be approved.
- 3.19.4. Shelf. The cabinet must contain a vertically adjustable shelf large enough to accept the solid state controller and all other shelf mounted devices.
- 3.19.5. Size. The exterior dimensions of the cabinets will be approximately fifty-five (55) inches high by forty-four (44) inches wide by twenty-six (26) inches deep for P Type cabinets, and must conform to N.E.M.A. 3R pad mounted specifications. The bolt pattern must be a four (4) point pattern with the bolt notches being in the center of each side.
- 3.19.6. Finish. The exterior surfaces of the cabinet must be smooth. All drilled, tapped, or punched holes on the outer surface must be filled with liquid metal and ground smooth, and slotted screw heads must be ground smooth flush with surface. Bolts extending through cabinet wall must be round head, carriage, square shoulder type and fastened on the inside of the cabinet with an Esna nut and necessary gaskets to insure the weatherproofing integrity of the cabinet. The finished cabinet must be thoroughly degreased in a wash process and dried in a heated chamber. A thermosetting, ultra violet resistant, polyester powder coat must be electrostatically applied to all cleaned and treated surfaces and cured to a hard, mar resistant finish in a heated chamber at a temperature recommended by the powder coat paint manufacturer. Exterior color must conform to Federal Standard 595, and either be City of Chicago green color No. 14110 or gloss black color. Exterior color must be as defined in the Contract Plans, and color samples must be submitted for approval prior to acceptance of cabinet. Cabinet interior must be glossy white and may be either baked enamel or thermosetting, polyester powder coat. For either process, the interior must be prepared as described above. If the baked enamel finish is used, it must be preceded by one (1) coat of primer.
- 3.20. Power Supply:
- 3.20.1. A sixty (60) ampere main breaker must be inserted in series with the line.
- 3.20.2. An un-fused terminal bus must be provided for ground side of the power supply and signal conductor commons.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- 3.20.3. Individual circuit breakers must be supplied for: (a) AC+ lights, 50 amperes; (b) AC+ control, 10 amperes; (c) duplex outlet supply, 15 amperes.
- 3.20.4. The incoming line must contain lightning protection devices consisting of, but not limited to, a metal oxide varistor and gas type arrestor. The gas type arrestor must be on the line side of the radio interference filter.
- 3.20.5. Contactor: A sixty (60) ampere, normally open, "A" type mercury contactor must be supplied for opening and closing the AC supply to the signal bus. The contactor must be mounted in such a manner on the power supply panel that accidental contact does not produce a safety hazard.
- 3.20.6. R.I.S. Filter: A radio interference suppression filter rated at sixty (60) amperes minimum must be installed in line with the main power supply, after the sixty (60) ampere circuit breaker.
- 3.20.7. Ground. The grounded side of the power supply must be continuous throughout the controller and must be grounded to the controller cabinet in an approved manner meeting OSHA requirements.
- 3.20.8. Polarity. The phase conductors of the signal circuits must have the same polarity as the phase side of the power supply, and the common conductor(s) must be of the same polarity as the grounded side of the power supply.
- 3.21. Load Switch Bay:
  - 3.21.1. General. A panel must be provided for mounting the load switch jacks, flash transfer relay jacks, flasher jack, auxiliary relays, time clock jacks, switches, flash change combination terminals, and terminals for field signal connections under non-interconnected operation. See Standard Electrical Drawings 964 and 965.
  - 3.21.2. Wiring. Panel wiring must be neatly laced and properly terminated individual conductors. They must be insulated and properly sized for their application.
  - 3.21.3. Load Circuits. Each load circuit must be capable of carrying fifteen (15) amperes continuously at a temperature of 74°C (165° F).
  - 3.21.4. Bus Feeds. Bus feeds must be capable of carrying fifty (50) amperes continuously at a temperature of 74° C (165° F).

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

3.21.5. Equipment. The wiring panel must include, but not be limited to, the following:

- a. Ten (10) ampere fuses with barrier type fuse holders must be installed between the load switch signal output circuits and field terminals for signal light conductors. Each terminal must be the barrier type with sufficiently long screws to accept four (4) #12 AWG solid conductors. The terminals must be located at least two inches (2") above the bottom of the cabinet.
- b. Switching Device. The signal load switching device must be a three (3) circuit, solid state, jack mounted load switch which meets the N.E.M.A. Publication TS-1, Part 5 requirements. Each load switch must be rated for a minimum fifteen (15) ampere continuous resistive load and must mate with an S-2412-SB panel socket. Sixteen (16) load switches are to be provided with each cabinet, as defined in the Contract Plans.
- c. User Programmable Interface. Two (2) sets of terminal blocks must be provided between the machine logic output and the input side of the load switches. By terminating all machine logic output on one set of terminals and all load switch input to the other set, an interface is thus created by which the machine logic can be readily connected to any of the load switches by means of a jumper wire. The two (2) sets of terminal blocks must be conveniently located in close proximity to each other and must be arranged such that, initially, each function will be factory wired directly from one set of terminals to the other without the need to criss-cross wires between blocks.

3.21.6. Number of Signal Circuits:

- a. Sixteen (16) load bay panel. Each panel must be equipped with sixteen (16) load switch jacks for a minimum of forty-eight (48) signal circuits.
- b. All unused signal circuits must be neatly tied or terminated. If tied, the harness wire must be labeled. If terminated, each termination must be identified.

3.21.7. Identification. All field terminals must be suitably identified, subject to approval.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

#### 3.22. Flashing Feature:

- 3.22.1. General. The flasher must be a solid state device, with no contact points or moving parts, producing between 50 and 60 flashes per minute with a 40 to 50 percent duty cycle. The flasher mechanism must be mounted on a type P-406-SB plug which will mate with an S-406-SB socket on the controller panel. The flasher must utilize zero-point switching, with turn-on at the zero voltage point (+ 5 degrees) of the power line sinusoid.
- 3.22.2. Flasher Panel. A panel must be provided with one (1) terminal wired to the flasher and marked "FL". The panel must be equipped with terminals to provide or omit flashing of all red and yellow outputs.
- 3.22.3. Flasher Circuits. Flashers must provide two (2) output circuits to permit alternate flashing of signal phases and must be capable of carrying a minimum of twenty (20) amperes per circuit at 120 volts. The flasher must operate continuously so that flashing power will be available at the field terminal marked "FL". The flasher wiring must divide the loads imposed on the two (2) circuit flashers alternately on each phase.
- 3.22.4. Manual Flash. A manual flash switch must provide flashing indication for all circuits. The flash change combination terminals must allow the selection of flashing either yellow or red on the main and/or cross streets, or complete omission of the flashing feature if required.

#### 3.23. Police Panel:

- 3.23.1. Auto-Off Flash Switch. Each controller must be provided with an auto-off-flash switch. In the "AUTO" position the signals must be on and the controller timing unit must run normally. In the "OFF" position the signals must be OFF and the controller timing unit must continue to run. In the "FLASH" position the signals must flash and the controller timing unit must continue to run. The auto-off flash switch must be located on the side of the police switch panel that faces outward when the police door is open.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- 3.23.2. Auto-Hand Switch. Each controller must have an auto-hand switch on the back side of the police switch panel. This switch must be so arranged that the switch can be physically rotated 180 degrees to provide usage after opening the police panel door. It must be so mounted that the act of rotation does not affect the police switch panel. Switch terminals must not be exposed on either position. The auto-hand switch must provide a means of manually timing the signals by use of a separate, momentary contact, hand switch. Operation of the timer by manual control must provide the same color sequence as an automatic operation with no momentary undesirable indications appearing. Manual control must be possible with the door of the cabinet closed. The hand switch required for manual control must be supplied with each controller. It must be of an approved weatherproof construction with a six (6) foot, retractable, flexible, extension cord to allow connection to the appropriate terminals on the panel of the controller. It must not be possible to manually step through a vehicle clearance interval.
- 3.23.3. Terminal Block. A two point terminal block must be mounted on the back side of the police switch panel and the hand control circuit terminated on this block. This will be for installation of a hand control cord by others, as required.
- 3.23.4. Space Requirement. Adequate room must be provided in the police panel section to store the manual switch and retractable cord.
- 3.24. Relays:
- 3.24.1. Transfer Relays. Eight (8) double pole, double throw, flash transfer relays must be furnished with each controller. These relays must be jack mounted into an S-408-SB, or equivalent, socket mounted on the controller panel.
- 3.24.2. Contact Arm. Each contact arm must have over travel on the front and back contacts and be independent of any other contact arms. No adjustment of contact pressure or wipe must be necessary. Load capability must be a minimum of fifteen (15) amperes per contact continuously and thirty (30) amperes for one (1) minute. Contacts must be of coin or fine silver or an approved alternate.
- 3.24.3. Dust Cover. A suitable dust cover must be furnished for each relay.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- 3.24.4. Relay Mounting and Endurance. All relays supplied must meet their approved specified requirements and must have contacts which cannot be opened by unusual vibrations, shock, or momentary voltage excursions of up to 30%. All relays other than the flash and bus relay must be mounted on a molded base with eleven (11) or eight (8) pins for jack mounting to their respective panel or sub-base, and must be electrically interchangeable with those presently used by the City of Chicago ("MIDTEX", Model 158-92T200 or equal).

#### 3.25. Communications Interface Panel

- 3.25.1. Where a communications interface has been specified in the contract plans to allow a controller to function as a Master or Secondary controller, then one of the specified options must be provided:

- a. Fiber Optic Communications Interfaces must meet the following requirements:
  - (1) General. The fiber optic communications components must consist of, but not be limited to, an internal fiber optic modem within the controller or an external fiber optic modem, a fiber optic patch panel to interface the modem to field fiber optic cables, and fiber optic jumpers between the modem and patch panel.
  - (2) The secondary fiber modules for the (local) controllers must either be the bi-directional type, as specified in the PROPOSAL or contract plans. All modems must be Electronic Industries Association (EIA) compatible for RS-232 data communications via fiber optic link. Modems must be multi-mode, operate at 850nm wavelength, and provide full-duplex, frequency modulated, asynchronous transmission at data rates of up to 38.4 kbps.
  - (3) The fiber optic patch panel must consist of a 14" long by 5-3/4" wide by 3-1/4" high rack constructed in accordance with Standard Electrical Drawing #909. The rack must be designed to mount on the controller cabinet rails. "ST" type terminals, suitably labeled, must be provided for the connection of field fibers and Modem.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- (4) The fiber optic jumpers (i.e., optical patch cords) must consist of a single multi-mode fiber in 900 micron orange jacket, with "ST" type connectors factory installed on each end. The jumpers must be 3' long in Secondary (i.e., local) controller cabinets. The jumpers must be connected to the patch panel and supported in such a manner that the minimum bending radius is ten (10) times the diameter of the cable, and the cables exert no strain on the connectors. Each jumper must have a minimum tensile strength of 50 lbs.
- b. Copper Wire Interconnect Panels (Seven Wire, VAC) must meet the following requirements:
  - (1) General. The interconnect panel must serve to isolate interconnect VAC from the controller. The panel must consist of, but not be limited to, seven (7) relays. Each relay interconnect circuit must include an M.O.V. properly rated for protection against lightning and switching surges injurious to the controller and a barrier type 3AG fuse receptacle and fuse not to exceed five (5) amperes. Each panel must provide a seven (7) wire interface with the T.B.C. functions described below and must provide barrier type terminals suitably labeled for these functions.
  - (2) The secondary interconnect panel must be wired in such a manner that an VAC input activates a relay sending an input from that relay to the controller. It must have a minimum of seven (7) relays for the following functions; Dial 2, Dial 3, Dial 4, Offset 1, Offset 2, Offset 3, M.U.T.C.D. flash.
  - (3) The master interconnect panel must provide a means to establish outgoing VAC for a seven (7) wire interconnect system using eight (8) relays. The relays must have 24 VDC coils and be designated as, Dial 2, Dial 3, Dial 4, Sync, Offset 1, Offset 2, Offset 3, M.U.T.C.D. flash. The sync relay must be wired in such a manner that it provides the offset pulse to the contacts of the three (3) Offset relays.
  - (4) Each relay must be a double pole type, with one pole designated as field interconnect output, and the other designated as controller input. Relay coils must be rated for continuous duty. Relay contacts must be rated for a continuous fifteen (15) AMP resistive load.

### 3. DETAILED CONTROLLER REQUIREMENTS (Continued)

- (5) A terminal strip must be mounted on the top of the master interconnect panel for controller interface.
- (6) The master panel must interface with the T.B.C. terminals as described above.
- (7) Each output must be fused as outlined above.

#### 3.26. Wiring:

- 3.26.1. General. All electrical conductors must be stranded copper, with a minimum of nineteen (19) strands per conductor, and a concentrically applied 90° C insulation with a 600 VAC rating. Wiring from the fuse block to the first distribution point, and to the controller bus, must be No. 10 AWG. Signal circuit wire must be No. 14 AWG. The wires must be provided with lugs or other approved terminal fittings for attachment to binding posts. All wiring between various parts of the controller must be neatly cabled. All wiring and terminal blocks must be tested for possible short circuits and resistance to ground by a high voltage dielectric test at 1,200 VAC. A wiring harness of adequate length must be provided to the timing device to allow the timer to be placed on top of the cabinet when required.
- 3.26.2. All VAC connections to load switches, flasher, and flash transfer relays must be soldered. All VAC connections on back of terminals must be soldered.
- 3.26.3. All VDC connections on back of terminals, and load switches must be soldered or connected with pre-approved terminations. All VDC connections to load switches are to be soldered or connected in a manner pre-approved.

### 4. TESTING REQUIREMENTS

- 4.1. General. The testing on the controllers must be done as described herein. Environmental testing must be done at the manufacturer's facilities or at an independent laboratory, and must be certified by the manufacturer or the independent laboratory. Functional testing will be done at facilities specified by CTA. All controllers provided under the contract must be tested as stipulated under "Functional Burn-In Testing" and Physical Inspection at the manufacturer's facilities. The manufacturer shall program and test the controller at the factory and certify the test results.



#### 4. TESTING REQUIREMENTS (Continued)

- 4.2. N.E.M.A. Environmental Test. One controller, unless approved previously, must be tested, at the manufacturer's expense, in accordance with Part 2 of NEMA Standards Publication TS1-1983. All of the tests listed must be performed with all data properly recorded and certified. If the manufacturer changes the design, fabrication or components of a previously tested and approved controller, then a sample of the controller containing the new design, fabrication or components must be retested at the manufacturer's expense. Any NEMA environmental test references to minimum recall must include but not be limited to: all sixty-four (64) output circuits must be programmed in a sequence to simulate the normal functioning of the entire controller cabinet assembly; the conflict monitor must have a test board with the allowable channel jumpers installed to simulate normal operation; all thirty-two (32) intervals must be programmed with a minimum of two (2) seconds per interval.
- 4.3. Functional "Burn In" Testing. The manufacturer of the controller must perform, at his manufacturing facilities, a one hundred (100) hour "burn-in" test on every controller, conflict monitor, and appurtenant devices. This test period must be certified by the manufacturer with supportive documentation and must include the device serial number, dates and times of test periods, and results. Any failed, or nonconforming components, must be replaced at this time. After each component has passed the "burn-in" test, they may be used in the assembly of the complete controller unit. Each completed unit must be subjected to the seventy-two (72) hour function test as described in this specification. The "burn-in" requirement must include a test that uses all sixty-four (64) output circuits in "solid" burn as well as 1 pps and 5 pps for each circuit. All thirty-two (32) intervals must be programmed with a minimum of two (2) seconds per interval. The documentation for a test program to simulate the controller phasing must be supplied. A copy of the test program must be approved prior to testing. Certification of these tests must be attached to the outside of the shipping container. The certification is in addition to any other documentation and/or testing required by these specifications.
- 4.4. Performance Testing Requirements. In addition to the NEMA environmental test and the requirements stated above, satisfactory performance of the traffic signal cabinet and its equipment must be demonstrated prior to shipment from the factory. The manufacturer must submit five (5) copies of his proposed "Test Procedure Document" for approval with the sample requested above. The test procedure must consist of two (2) sections; physical inspection and functional testing. If the test procedure is judged to be incomplete, inadequate or otherwise deficient, the contractor must revise and resubmit his "test procedure document" until it is approved. No controller will be accepted until the "test procedure document" has been approved.

#### 4. TESTING REQUIREMENTS (Continued)

- 4.5. Performance Testing Documentation. Upon completion of the performance testing, two (2) certified copies of the final results of the approved "Test Procedure Document" must be included with all traffic signal controller production shipments.
- 4.6. Functional Testing of Model of Controller. If the controllers proposed for the project have not been previously tested for the City of Chicago, then a sample of one of the controllers must be tested as follows: testing must include, but not be limited to, phasing for multiple legged intersections, bridge and railroad pre-empts, flash operation, actuation, and any combinations of these features. Controllers designed to function without railroad pre-empts must be shown to function without the presence of a railroad interconnect. Options for downward compatibility when replacing either HMC1000 controllers or LMD40 controllers must also be demonstrated. In addition, it should be demonstrated that the sample controller functions within the MIST system.
- 4.7. Physical Inspection. The "physical inspection" portion of the test procedure document requires the manufacturer to perform a physical inspection of workmanship and specification compliance for each traffic signal controller assembly. The inspection must be done using a detailed check list defining items to be inspected and criteria for acceptance. The inspection must include, but not be limited to, the following items:
- a. Hardware installation.
  - b. Assembly mounting.
  - c. Dimensions.
  - d. Presence of specified devices and materials.
  - e. Presence of required documents.
  - f. Labeling and required serial numbers.
  - g. Wiring, including routing, covering, gauge, length, and soldering of terminations.
  - h. Arrangement of equipment for safety and ease of calibration, reprogramming, troubleshooting and maintenance.
  - i. Condition of cabinet body and finish.
  - j. Condition and installation of doors, panels, gaskets and ventilation.
  - k. High voltage test of insulation resistance to ground, with wires installed in cabinet and equipment disconnected.

#### 4. TESTING REQUIREMENTS (Continued)

- 4.8. Functional Testing. The "functional testing" portion of the Test Procedure requires the manufacturer to perform a complete room-temperature functional test of each complete traffic signal controller assembly for a minimum of seventy-two (72) hours. Each controller should be programmed according to the timing requirements of the contract plans. This test must be designed to concurrently check integrated hardware systems e.g., from simulated input to load switch output including conflict monitor and time base coordinator. All interface/controller interconnections must be tested. All load switch and interconnect relay positions must be tested, regardless of the number of load switches and interconnect relays being purchased. The functions tested must include, but not be limited to, the following:

- a. Flash logic and operation (color, phases).
- b. Conflict monitor logic and operation.
- c. Police panel switch operation.
- d. Auxiliary panel switches (including fans).
- e. Interface panel.
- f. Time switch operation.
- g. Load switches (with a continuous ten (10) ampere load on each signal circuit).
- h. Outputs.
- i. Power interruptions of less than 500 ms.
- j. Power interruptions of more than 1.0 sec.

**CHICAGO ATC MATRIX - TABLE A**

Since the ATC standard specifies a "family" of controllers, the following options have been selected from the ATC standard (ATC Standard Version 5-2b, June 26, 2006).

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
Shelf Mounted	2.2.1 4.3.2.1	Required	(Shelf mount only)
Use of ATC Engine Board	2.2.2 4.3.2.2 5.1.1 5.1.2 5.3.2 5.3.4 5.3.5 5.3.5.1 5.4.2 5.4.3 5.4.4 5.4.5	Required	
Use of ATC Engine Board	5.2.1	Required	Allowed component height below Engine Board PCB provided that the overall envelope remains unchanged, the clearance between the Host Board and Engine Board remains as specified, and the Engine Board still fits into a compliant Host Board
Use of ATC Engine Board	5.2.2 5.4.5	Required	In order to show the Ethernet communications to the Engine Board, the following "Reserved" pins can assume the following legacy functions: P1-34: ENET2 Speed P1-35: ENET2 Link/Activity P1-36: ENET1 Speed P1-37: ENET1 Link/Activity
Use of ATC Engine Board	5.3.1	Required	Minimum CPU capability of 500 MIPS
Use of ATC Engine Board	5.3.3	Required	Additionally, must provide a minimum of 16 MB of Flash total to accommodate future applications.

**CHICAGO ATC MATRIX - TABLE A (Continued)**

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
Use of ATC Engine Board	5.4.1	Required	Engine Board shall not draw more than 4W of power from VPRIMARY (due to battery backup in Chicago) Engine may supplement VSTANDBY_5 with on-board storage for its standby power.
Use of ATC Engine Board	5.4.3	Required	All optional baud rates shall be supported
Parallel I/O	2.2.4	Required	No support required for TS2 Type 1 or ITS cabinets Must provide parallel I/O for TS2 Type 2 cabinets and legacy parallel I/O interfaces via interchangeable modules
Linux O/S and ATC BSP	2.2.5 4.3.1 4.3.3	Required	
Linux O/S and ATC BSP	2.2.5 4.3.1 4.3.3	Required	
Linux Kernel	Annex A	Required	
Parallel I/O	3.4	Required	Not required to support ITS Cabinet standard (NEMA cabinets are used)
Manage Clock/Calendar functions and synchronize with external source	3.5.1.3	Required	Must also support synchronization with absolute zero.
Manage Clock / Calendar functions and synchronize with External Source	4.1.3	Required	BSP RTC driver shall automatically update the RTC with the OST time once per second with an accuracy of 0.1 seconds Successive interruptions (e.g. on for 5 minutes, off for 3 minutes over a period of 8 hours) shall not introduce cumulative error

**CHICAGO ATC MATRIX - TABLE A (Continued)**

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
Configure and Verify Parameters	3.5.1.4 4.1.4	Required	
Upload/Download blocks of data	3.5.1.5 4.1.5	Required	
Monitor & Verify Application Status	3.5.1.6 4.1.6	Required	
Operator Control of Application Execution	3.5.1.7	Required	Only a local operator is allowed to manage the starting, stopping and scheduling of one or more applications on the ATC.
Operator Control of Application Execution	4.1.7	Required	
Long Term Storage of Log Data, etc	3.5.1.8 4.1.8	Required	
Support Diagnostics	3.5.3.3 4.3.4	Required	
Modes of Operation	3.7	Required	(Must support Standalone, Direct, and Distributed modes of operation)
Manage/Control a Variety of External Devices	4.2.1	Required	Fixed Ports on the front panel shall be specified by CAT Only SP1 and SP2 are required to be supported on the modem slot The dedicated synchronous serial port (SP5) is to be used exclusively for supporting a parallel I/O module (NEMA TS2 or legacy interface)
Monitor the Status of External Devices	4.2.2	Required	Fixed Ports on the front panel shall be specified by CTA Only SP1 and SP2 and required to be supported on the modem slot The dedicated synchronous serial port (SP5) is to be used exclusively for supporting a parallel I/O module (NEMA TS2 or legacy interface)
Support future Hardware Upgrades	4.3.2	Required	

**CHICAGO ATC MATRIX - TABLE A (Continued)**

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
Environmental Requirements	5.2.3	Required	
Front Panel Serial Ports	6.2.3.1 6.1.3 6.3.2.1	Required	One serial port on the front panel shall satisfy this section as an EIA-574 (9-pin) and be labeled "Port 2".
Front Panel Serial Ports	6.2.3.1 6.3.2.1	Required	One serial port shall satisfy this section as an EIA-574 (9-pin) with a reduced pin-out (TXD, RXD, and DC Reference at a minimum) and be labeled "Port 4". C50_ENABLE shall not be supported. A second serial port shall fully satisfy this section as an EIA-574 (9-pin) and be labeled "Port 5".
Front Panel Serial Ports	6.2.3.2 6.1.3 6.3.2.2	Required	One serial port shall satisfy this section as an EIA-485 (15-pin) with the TS2 Type 1 Port 1 pin-out and be labeled "Port 1".
Front Panel Ethernet Ports	6.2.3.9 6.3.2.9 7.1.4.4	Required	There shall be a minimum of two Ethernet ports on the Front Panel (one for ENET1, one for ENET2)
User Interface	7.1 7.1.1.2 7.1.4.4 7.1.4.5 7.1.4.7	Required	
User Interface	7.1.1	Required	Must meet CTA Minimum requirements

**CHICAGO ATC MATRIX - TABLE A (Continued)**

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
User Interface	7.1.1.1 7.1.2.1 7.1.3 7.1.4.1 7.1.5	Required	<p>Data key is not required</p> <p>Front Panel Interface is to be integral to the controller (i.e. not removable, no SP6 connector)</p> <p>"Option 1" to be selected but AUX switch is optional</p> <p>Keypad shall have a minimum of 24 keys</p> <p>LCD Display shall be graphical with a minimum resolution of 128 rows x 240 columns (up to 16 lines x 40 characters).</p> <p>LCD pixel size shall be a minimum of 0.32mm x 0.32mm with a minimum pitch of 0.325mm with character size defined as 6 pixels wide x 8 pixels high</p> <p>Refresh rate is a minimum of 10 times per second (due to larger display requirements)</p> <p>LCD heater is mandatory to ensure sub-second LCD display response over full temperature range. Heater shall only be active when needed and User is interacting with the controller locally (due to battery backup requirements).</p> <p>Heater Power shall be up to 15V at 1A current maximum</p>



**CHICAGO ATC MATRIX - TABLE A (Continued)**

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
Power Supply	7.2 7.2.1 7.2.2 7.2.3 7.2.4 7.2.5 7.2.5.1 7.2.5.2 7.2.6.1 7.2.6.2 7.2.6.3 7.2.6.4 7.2.6.6	Required	As applicable for NEMA cabinets only (12 volt not required)
Mechanical/Chassis	7.3.1.3 7.3.1.4	Required	Only Shelf mounted units are acceptable Only components / connectors specified by the CTA shall be located on the Front panel. No C1 Type Connectors allowed.
I/O Interfaces	8.1.1 8.2.2 8.2.2.1 8.2.2.2 8.2.2.3	Required	Support for TS2 Type 2 and TS1 Interfaces
I/O Interfaces	8.1.2 8.2.2.5	Required	Support is only required for NEMA TS2 Type 2, TS1, and other similar legacy interfaces NEMA TS2 Port 1 shall also be provided (for detectors only)
I/O Interfaces	8.2.3	Required	Port 1 Connector shall be provided as specified within this section (only used for detectors)
I/O Interfaces	8.2.1.13	Required	Legacy I/O interfaces shall respond as required.
I/O Interfaces not required	8.2.1	Required	No support for Model 332 Cabinets or ITS Cabinets & devices is to be provided

**CHICAGO ATC MATRIX - TABLE A (Continued)**

<b>Functional Requirement</b>	<b>ATC Clause #</b>	<b>Status</b>	<b>Details</b>
Environmental & Test Procedures	9	Required	All subsections are required
Performance & Material Requirements	10	Required	All subsections are required
Performance & Material Requirements	10.1.15	Required	All PCBs and similar construction mechanisms shall be mounted vertically (i.e. no horizontal PCBs are allowed).
Quality Control	11	Required	All subsections are required

DISTRIBUTION: Sr. Mgr., Planning

AS / Ir – Initial Spec. – 03/05/15

**PROPOSAL**

**SPECIFICATION NO. CTA 8324-15  
CONTRACT NO. C15RT101675318**

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 40 Advanced Transportation Controllers (ATC) , F.O.B. destination, as described in these General and Special Conditions and Detail Specification CTA 8324-15, at the prices shown below.

<u>Description</u>	<u>Quantity</u>	<u>Manufacturer</u>	<u>Manufacturer P/N</u>
--------------------	-----------------	---------------------	-------------------------

**ATC CONTROLLER:**

Shall include all testing and software necessary to make the controller operational. Installation is into existing cabinets. Cabinets and installation are not required. Per CTA Specification No. 8324-15.

40

\$ _____	X 40 = \$ _____
Unit Price	TOTAL

**Note: Pricing to include delivery.**

EMAIL ADDRESS: \_\_\_\_\_

COMPANY BIDDING: \_\_\_\_\_

PERSON TO CONTACT: \_\_\_\_\_ PHONE NO: \_\_\_\_\_  
FAX NO: \_\_\_\_\_  
E-MAIL ADDRESS: \_\_\_\_\_

TERMS: DISCOUNT: \_\_\_\_\_% \_\_\_\_\_, \_\_\_\_\_ DAYS

## 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

**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**

\_\_\_\_\_, (Company's name) certifies to the best of our knowledge and belief that it and 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) \_\_\_\_\_ (Company name) CERTIFIES 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.

# 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)

## BRIEF HISTORY OF YOUR COMPANY

***Tell us about your company:***

**Company Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Local Contact Person: \_\_\_\_\_

**Title:** \_\_\_\_\_

Phone Number: (     ) \_\_\_\_\_ - \_\_\_\_\_ Fax Number: (     ) \_\_\_\_\_ - \_\_\_\_\_

**How many years has your company been in business?** \_\_\_\_\_

**How many employees?** \_\_\_\_\_ **Annual Sales?** \_\_\_\_\_

***Is your business a (an): (check one)***

**Manufacturer** \_\_\_\_ **Supplier** \_\_\_\_ **Distributor** \_\_\_\_ **Other (explain)** \_\_\_\_\_

***Have you provided goods or services to city government, state, county, Board of Education, municipality, etc.?***

***Please provide a list of references including the three (3) largest companies your firm has done business with in the past two (2) years, and a person and a telephone at that firm which CTA may contact.***

**Firm Name**

**Contact Person**

TelephoneThis image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



**BUY AMERICA CERTIFICATION (Part 1)**  
*(For all Contracts in Excess of \$100,000)*

One of the following certifications must be completed and furnished with the Bid. Failure to provide the certification will result in your bid being declared non-responsive and rejected. Details regarding these certifications may be found in 49 C.F.R Part 661, entitled Buy America Requirements.

CERTIFICATION REQUIREMENT FOR PROCUREMENT OF  
STEEL, IRON OR MANUFACTURED PRODUCTS

**Certificate of Compliance with 49 USC 5323 (j)(1) Regarding Steel and Manufactured Products**

The Bidder hereby certifies that it will comply with the requirements of 49 USC §5323(j)(1) and the applicable regulations in 49 CFR Part 661.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ Company Name \_\_\_\_\_

**Certificate of Non-compliance 49 USC § 5323(j)(1) Regarding Steel and Manufactured Products**

The Bidder hereby certifies that it cannot comply with the requirements of 49 USC § 5323(j)(1), but it may qualify for an exception to the requirements pursuant to 49 USC § 5323(j)(2)(B) or (j)(2)(D) and regulations in 49 CFR 661.7.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Title \_\_\_\_\_ Company Name \_\_\_\_\_

## BIDDER'S PRICE CERTIFICATION

The \_\_\_\_\_ hereby certifies that the prices quoted herein  
(Name of Company)  
are "Equal To" or "Not Greater Than" prices currently quoted to their most favored customers.

By: \_\_\_\_\_  
(Signature of Company Official)

\_\_\_\_\_  
(Official's Title)

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

ATTEST:

\_\_\_\_\_  
(Secretary)

**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)

IF BIDDER IS A CORPORATION - THIS PAGE MUST BE EXECUTED

**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)

IF BIDDER IS A SOLE PROPRIETOR - THIS PAGE MUST BE EXECUTED

**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 Venture 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)

IF BIDDER IS A PARTNERSHIP OR JOINT VENTURE - THIS PAGE MUST BE EXECUTED

## 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.

FEIN #:

Corporate Headquarters Address:  
City, State, Zip:

State of Incorporation:

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 \_\_\_\_\_, 2015, at Chicago, Illinois**

\_\_\_\_\_  
Vice President, Purchasing & Supply Chain

\_\_\_\_\_  
President

Approved as to form and legality, for the sole benefit of CTA. Subject to proper authorization and execution thereof:

\_\_\_\_\_  
Attorney