



INVITATION FOR BID

SUBJECT: LEVEE ROAD ROOF REPLACEMENT

DATE: JULY 1, 2025

INVITATION NO.: 25-12

PROPOSAL DUE: JULY 29, 2025 TIME: 11:00 A.M. C.S.T.

The Memphis Area Transit Authority invites proposals for supplies and/or services set forth above in accordance with the specifications enclosed "".

Proposals **MUST** be received at MATA by the date and time set forth above.

Sincerely,

Ashley Best

Ashley Best
Sr. Contract Administrator

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COMMON PROBLEMS WITH BID SUBMITTALS

- Missing or unsigned copies of certain forms and certifications. The following must be included in the Bid:
 - Addenda Acknowledgement Form
 - Contact And Reference Form
 - Affidavit Of Non-Collusion
 - Buy America Certificate
 - Federal Tax Liability and Recent Felony Conviction
 - Bidder's List Collection Form Supplemental Contractor and Subcontractor Information
 - Certification Of Primary Participant (Prime Contractor) Regarding Debarment, Suspension, And Other Responsibility Matters
 - Certification Of Lower-Tier Participants (Subcontractors) Debarment, Suspension, Ineligibility and Voluntary Exclusion
 - Certification Of Restrictions on Lobbying (For Contracts Of \$100,000 Or Greater)
 - Certification Of Utilization of Disadvantaged Business Enterprises
 - Letter Of Intent to Perform As A DBE Contractor Or Subcontractor
 - Schedule Of DBE Participation
 - National Defense Authorization Act Telecommunications
 - Bid Bond Mata IFB Number 25-12
 - Performance Bond
 - No Response
 - Bid Form
- Incomplete or outdated information on client references and/or insufficient number of references provided.
- Failure to include adequate documentation about the role of subcontractors in the project.
- Submittal of too few copies. The IFB specifies the number of originals and number of copies of the Bid to be provided.
- Failure to properly label Bid package with Bid/Bid label.
- Bid received late. All Bids must be in MATA's possession by the deadline shown in the Bid. All Bids received after the deadline will be returned unopened. If delivered by hand, the Bid package must be deposited as specified in Section A, 1.4.

MEMPHIS AREA TRANSIT AUTHORITY

LEGAL NOTICE TO BIDDERS

Bids will be received by the Memphis Area Transit Authority (MATA) at its Purchasing offices, 40 S. Main Street, Suite 1200, Memphis, TN 38103, **until 11:00 a.m. local time, on Tuesday, July 29, 2025**, and opened and read aloud at that time for furnishing the following:

LEVEE ROAD ROOF REPLACEMENT

A Pre-Bid Conference will be held at 9:30 a.m. on **Tuesday, July 8, 2025**, at 1370 Levee Road, Memphis, TN 38108. All parties interested in bidding on this project are hereby invited and urged to attend this meeting. A walkthrough will take place immediately after the pre-bid meeting. While this pre-bid is not mandatory, it is strongly recommended that you attend.

Bidders must submit their bid with the enclosed label attached to the envelope.

MATA hereby notifies all Bidders that in regard to any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this advertisement and will not be discriminated against on the grounds of race, color, sex, religion, political affiliation or national origin in consideration of an award.

Any name appearing on the Comptroller General's list of ineligible contractors is not an eligible bidder. The contractor will be required to comply with all applicable Equal Employment Laws and Regulations.

Further information and bid requirements may be obtained by contacting Ashley Best, Sr. Contract Administrator at (901) 722-7172 or via email: abest@matatransit.com.

Award of the contract will be made on the basis of the Lowest Responsive and Responsible bidder as selected by the Authority, provided it is in their best interest to do so.

MATA reserves the right to reject any and all bids, and to waive any informality in bidding.

July 1, 2025 & July 23, 25, 2025

John Lewis
Interim Chief Executive Officer

SECTION A

INSTRUCTIONS TO BIDDERS

INSTRUCTIONS TO BIDDERS

1. PROJECT DESCRIPTION

The Memphis Area Transit Authority (hereinafter referred to as MATA) seeks sealed BIDS from qualified firms to provide construction services for roof replacement at our Operations Campus located at 1370 Levee Road, Memphis, TN 38108.

These instructions provide detailed legal and technical requirements for procurement of construction services.

MATA is a public agency responsible for providing public transportation services within the City of Memphis and surrounding communities.

2. RECEIPT AND OPENING OF BIDS

MATA invites bids on the forms attached hereto. All blanks must be appropriately filled in. BIDS will be received at the office of MATA's Purchasing Department, Memphis, Area Transit Authority, 40 S. Main Street, Suite 1200, Memphis, TN 38103, until **11:00 a.m., on Tuesday, July 29, 2025**, and opened and read aloud. BIDS received after 11:00 a.m. will be returned to the BIDDER unopened.

Each bid must be submitted in a sealed envelope bearing on the outside the following information in accordance with Section 62-6-119 of the State of Tennessee Contractor's License Law and Rules and Regulations, 1997 edition.

- a) Name of Project:
- b) Contractor's Name:
- c) Contractor's Address:
- d) Contractor's License Number, expiration date, and that part of the classification applying to the bid. This information shall also be provided for the contractor applying to the bid for electrical, plumbing or heating, ventilation and air conditioning work.

MATA will supply red and white Bid/Proposal label, which must be attached to the exterior of the bid envelope. It is necessary for each BIDDER to provide evidence of a license in the appropriate classification(s) before such bid may be considered.

All BIDS shall be deemed received at the above address. BIDDERS are solely responsible for ensuring that his/her BID is timely delivered. BIDDERS who rely on overnight delivery services, the United States mail, private mail services, local couriers or delivery services remain solely responsible for timely delivery of the BID and assume all risk of late delivery, mis-delivery and non-delivery.

All BIDS will be date/time stamped, logged and deposited by MATA Staff.

BIDDERS are reminded that all BIDS must be securely sealed, have the enclosed label attached and be clearly marked "Bid".

After normal business hours (4:30 p.m. – 8:00 a.m.), BIDS will be accepted at the MATA dispatcher's office, 1370 Levee Road, Memphis, TN 38108; however, BIDDERS are reminded of their sole responsibility for ensuring that their BID is deposited in the Purchasing Department

BIDDERS may verify receipt of BIDS by contacting MATA at (901) 722-7182 or via email at abest@matatransit.com.

Any BID may be withdrawn prior to the above scheduled time for opening of bids or authorized postponement thereof. Any BID received after the time and date specified shall not be opened.

BIDDERS must comply with all applicable licensing requirements.

MATA reserves the right to reject any and all bids and to waive any informality in bidding. MATA RESERVES THE RIGHT TO DELAY AWARD OF THIS CONTRACT FOR A PERIOD OF UP TO ONE HUNDRED TWENTY (120) DAYS AFTER RECEIPT OF BIDS.

3. PREPARATION OF BIDS

Each BID must be submitted using bid forms in Section C and must include in the initial sealed envelope the following fully executed items:

- a) His written bid on the form provided in Section C; all spaces complete in ink or typewritten.
 - 1. Addenda Acknowledgement Form
 - 2. Contact And Reference Form
 - 3. Affidavit Of Non-Collusion
 - 4. Buy America Certificate
 - 5. Federal Tax Liability and Recent Felony Conviction
 - 6. Bidder's List Collection Form Supplemental Contractor and Subcontractor Information
 - 7. Certification Of Primary Participant (Prime Contractor) Regarding Debarment, Suspension, And Other Responsibility Matters
 - 9. Certification Of Lower-Tier Participants (Subcontractors) Debarment, Suspension, Ineligibility and Voluntary Exclusion
 - 10. Certification Of Restrictions on Lobbying (For Contracts Of \$100,000 Or Greater)
 - 11. Certification Of Utilization of Disadvantaged Business Enterprises
 - 12. Letter Of Intent to Perform as A DBE Contractor Or Subcontractor
 - 13. Schedule Of DBE Participation
 - 14. National Defense Authorization Act Telecommunications
 - 15. Bid Bond Mata IFB Number 25-12
 - 16. Performance Bond
 - 17. No Response
 - 18. Bid Form
- b) Bid security in form of Bid Bond or certified check in the amount of the 5% RETAINAGE of the BIDDER's bid.

4. BID GUARANTEE REQUIREMENTS

Submit bid guarantee as a guarantee that:

- a) BIDDER will not withdraw BID for one hundred twenty (120) days after opening of proposals without OWNER's written consent.
- b) If BID is accepted, BIDDER will enter into formal CONTRACT with OWNER, within ten (10) days after receipt of contract documents for execution.
- c) If BID is accepted, BIDDER will execute required PERFORMANCE BOND and will obtain required insurance coverage within ten (10) days after receipt of CONTRACT.
- d) CONTRACT between OWNER and CONTRACTOR will be submitted to the CONTRACTOR for signature, then returned to the OWNER for signature.

PERFORMANCE BOND and all certificates of insurance must be submitted by the CONTRACTOR at the same time as he returns the signed CONTRACT to the OWNER.

A bidder's bond or certified cashier's check on a solvent bank located in the State of Tennessee

payable to the OWNER in the amount of 5% RETAINAGE of the bid must accompany the BID. Said instrument to remain in effect until (and will be returned only after) the CONTRACT has been fully executed and secured. The successful BIDDER shall execute a PERFORMANCE BOND in an amount equal to 100% of the contract sum as security for the faithful performance of the CONTRACT and for the payment of labor and material furnished and incorporated into the WORK. The only acceptable form of instrument for this bond is found herein. Bond shall be furnished through an agent domiciled and legally authorized to do business in the State of Tennessee and delivered to the OWNER not later than ten (10) calendar days after the date shown on written notice from the OWNER. Surety Company proposed shall be one acceptable to the OWNER.

BIDDER shall be liable to the OWNER for full amount of bid guarantee as representing damage to the OWNER on account of default of BIDDER in any particular thereof if:

- (1) BID is withdrawn within one hundred twenty (120) days after receipt of BIDS without approval of OWNER.
 - (2) BIDDER fails to enter into CONTRACT with OWNER and execute required PERFORMANCE BOND and provide required insurance coverage within ten (10) calendar days subsequent to notice of award of CONTRACT.
- e) The amount of the bid bond is determined based on the line on the Bid form labeled "TOTAL BASE BID". The PERFORMANCE BOND amount will be determined in the same manner.

5. STATE OF TENNESSEE CONTRACTOR REQUIREMENTS

If BID is \$25,000 or over, BIDDER must be licensed contractor in the State of Tennessee as required by Title 62, Chapter 6, Section 119 of the Tennessee Code Annotated. CLASSIFICATIONS FOR THIS PROJECT SHALL BE HRA (a,b,e) or MU (c,d).

Additionally, the BIDDER shall include the name, license number, expiration date thereof, and license classification of the contractor applying to the bid for electrical, plumbing and heating ventilation or air conditioning, on the outside of the envelope containing the BID; otherwise, the BID shall not be opened or considered. In the event the aforementioned classifications are not applicable to the PROJECT, the BIDDER shall indicate not applicable (N/A) on the appropriate line.

6. SUBCONTRACTORS

If the CONTRACTOR shall sublet any part of this CONTRACT, the CONTRACTOR shall be as fully responsible to the OWNER for the acts or omissions of the subcontractor and of the persons either directly or indirectly employed by his subcontractor as he is for the acts and omissions of persons directly employed by himself.

Within five (5) days after BIDS are opened, the apparent low BIDDER and any other BIDDER so requested shall submit a list of all subcontractors he expects to use in the WORK. An experience statement with pertinent information as to similar projects and other evidence of qualifications shall be furnished for each named subcontractor, as required by the OWNER. If the OWNER or TPM, after due investigation, has reasonable objection to any proposed subcontractor, he may, before contract execution, request the apparent low BIDDER to submit an acceptable substitute without an increase in his BID. If the apparent low BIDDER declines to make any such substitution, he will not thereby sacrifice his bid security. Any subcontractor so listed and to whom the OWNER or TPM does not make any written objection prior to CONTRACT execution will be deemed acceptable to the OWNER and TPM.

CONTRACTOR shall not be required to employ any subcontractor against whom he has reasonable objection.

The use of subcontractors listed by the BIDDER and accepted by the OWNER prior to CONTRACT execution will be required in the performance of the WORK.

7. BID EXCLUSIONS/QUALIFICATIONS:

Any BID that is qualified in any way or which contains any exclusion will automatically be classified as non-conforming and shall not be given consideration for contract award.

8. ADDENDA

MATA will forward one (1) copy of all addenda to holders of each set of documents. All such addenda will become a part of the contract documents and subject to all conditions contained therein and must be listed on the Bid Form for the BID to be accepted.

9. REQUESTS FOR CLARIFICATION OR APPROVED EQUAL

Requests for clarification or approved equal must be submitted in writing to Ashley Best, Sr. Contract Administrator, via email to abest@matatransit.com and must be received no later than 11:00 a.m., local time **Friday, July 11, 2025**, in accordance with the Approved Equals procedures described in the General Contract Provisions. Any unapproved deviations, exceptions, substitutes, alternates or conditional qualifications contained in a BID may be cause for its rejection. **VERBAL QUESTIONS WILL NOT BE ANSWERED, THUS PREVENTING AN UNFAIR ADVANTAGE TO ANY BIDDER.**

10. TIME OF COMPLETION:

The WORK shall begin immediately upon date indicated on the Notice-to-Proceed and shall be completed in accordance with the following schedule.

WORK shall be FINALLY COMPLETE within 35 days. All time noted above is based on consecutive calendar days (and the time allowed for each bid item is intended to be concurrent with the other bid items). Upon acceptance of this CONTRACT, the CONTRACTOR agrees to pay the OWNER liquidated damages for every calendar day that the WORK remains incomplete beyond the completion date of the Notice-to-Proceed.

Contract time shall include all normal weather conditions, including rain, snow and freezing temperatures. Extensions of time will not be allowed for delays caused by normal inclement weather as recorded by the Memphis Area Office of the National Weather Service. Claims for weather-related time extensions must be supported by National Weather Service climatological data indicating that actual weather conditions were more severe than the five -year average for the same month. Regardless of the severity of the weather conditions actually encountered at site, no time extensions will be granted for workdays on which the CONTRACTOR actually works one-half day or more. No weather-related time extension will be granted for weekends, holidays and other non-workdays. Weather-related time extensions will only be granted to critical path activities.

11. PRE-BID CONFERENCE:

A Pre-Bid Conference will be held at 9:30 a.m. on **Tuesday, July 8, 2025**, at 1370 Levee Road, Memphis, TN 38108. All parties interested in bidding on this project are hereby invited and urged to attend this meeting. A walkthrough will take place immediately after the pre-bid meeting. While this pre-bid is not mandatory, it is strongly recommended that you attend.

12. FIELD MEASUREMENTS:

The CONTRACTOR shall make his own measurements to verify square footage, dimensions and quantities to complete the PROJECT. The dimensions and areas indicated on the DRAWINGS are for reference only

and are not to be considered as the actual dimensions and areas.

13. DISADVANTAGED BUSINESS ENTERPRISE

The following rules apply to Disadvantaged Business Enterprise participation by firms/teams:

- Only certified Disadvantaged Business Enterprises can be counted toward the goal. Participation by certified "Minority Business Enterprises" (MBE) or certified "Woman Owned Business Enterprises" (WBE) cannot be counted toward the goal. While participation by MBEs and WBEs is encouraged, MATA is governed by the U.S. Department of Transportation program which only recognizes the designation of DBE.
- DBEs must be certified in Tennessee.
- MATA is a member of the Tennessee Unified Certification Program (TN UCP) and accepts Tennessee DBE certifications from the following entities:
 - Memphis Area Transit Authority
 - Tennessee Department of Transportation Unified Certification Program
 - Uniform Certification Agency (managed by the Mid - South Minority Business Council)

A list of firms currently certified in Tennessee can be found at: www.tdot.state.tn.us/dbedirectinternet/

- Certification in the State of Tennessee must be achieved by the time the proposals are due otherwise the participation of a proposed DBE firm cannot be counted toward the goal. If a proposed DBE firm is not certified at the time the proposals are due and, as a result, the goal is not met, then the proposal will be considered "non-responsive" and rejected unless the good faith efforts have been accepted as satisfactory.
- It is highly recommended that a copy of a current certification of Disadvantaged Business Enterprise issued by the Tennessee Department of Transportation or the Uniform Certification Agency be included with the offer for each DBE firm being proposed.

14. GENERAL DBE INFORMATION

Memphis Area Transit Authority (MATA), a recipient of Federal financial assistance from the Federal Transit Administration, is committed to and has adopted a Disadvantaged Business Enterprise Policy in accordance with Federal Regulations (49 C.F.R. Part 26, as amended) issued by the U.S. Department of Transportation. It is the policy of MATA to ensure nondiscrimination in the award and administration of DOT-assisted contracts and to create a level playing field on which DBEs can compete fairly for contracts and subcontracts relating to its activities.

To this end, MATA has developed procedures to remove barriers to DBE participation in the bidding and award process and to assist DBE firms to develop and compete successfully outside of the DBE program. In connection with the performance of this contract, the Prime CONTRACTOR will cooperate with MATA in meeting these commitments and objectives.

Accordingly, the Prime CONTRACTOR and any subcontractors shall not discriminate on the basis of race, color, national origin, or sex in the performance of this CONTRACT. The Prime CONTRACTOR and subcontractors shall carry out applicable requirements of 49 C.F.R. Part 26 in the award and administration of DOT-assisted contracts. Failure by the Prime CONTRACTOR and any subcontractors 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 MATA deems appropriate.

15. DBE GOAL

A. Annual Overall Goal for DBE Participation

An annual overall goal for DBE participation in OWNER U.S. DOT-assisted contracts is established by MATA's DBE Officer and approved by MATA's Board of Commissioners on a fiscal year basis. This goal reflects the availability of ready, willing and able DBE's that would be expected to participate in OWNER contracts absent effects of discrimination. The goals are calculated as a percentage of the total amount of U.S. DOT funds that the OWNER expects to expend on contracting opportunities during the fiscal year.

B. DBE Goal Applicable to This Contract

MATA has established a 0 % DBE goal for this CONTRACT. However, DBE participation is encouraged either the capacity of the Prime CONTRACTOR or subcontractor. BIDDERS are required to document their activities in the solicitation and selection of subcontractors to ensure that this process is carried out in a nondiscriminatory manner.

C. Evaluation of DBE Certification Status

MATA shall require that any DBEs listed by BIDDERS for participation in the CONTRACT be certified, as eligible DBEs at the time of Proposal submittal. The DBE Officer shall review the BIDDER's DBE Participation Form to confirm each DBE firm's certification status.

D. Determination of Amount of DBE Participation

Only the work actually performed by a DBE with its own forces will be counted as DBE participation. A DBE may participate as a Prime CONTRACTOR, subcontractor, joint venture partner, or vendor or supplier of materials or services required by the CONTRACT.

A DBE's participation can only be counted if it performs a commercially useful function on the CONTRACT. A DBE performs a commercially useful function when it actually performs, manages and supervises a portion of the work involved. There is a rebuttable presumption that if the DBE is not responsible for at least 30% of the work with its own forces or subcontracts a greater portion of the work than the normal industry standard, it is not performing a commercially useful function. A DBE trucking company performs a commercially useful function if it is responsible for the overall management and supervision of the transportation services involved and uses at least one truck that it owns, insures and operates with its own employees on the contract.

- i. The CONTRACTOR shall count DBE participation according to the following guidelines and in accordance with 49 CFR §26.55:
- ii. DBE Prime CONTRACTOR – Count the entire dollar amount of the work performed or services provided by the DBE's own forces, including the cost of materials and supplies obtained for the work and the reasonable fees and commissions charged for the services. Do not count any work subcontracted to another firm as DBE participation by the DBE Prime CONTRACTOR.
- iii. DBE Subcontractor – Count the entire amount of the work performed or services provided by the DBE's own forces, including the cost of materials and supplies obtained for the work, except for materials and supplies purchased or leased from the Prime CONTRACTOR, and

reasonable fees and commissions charged for the services. Do not count any work subcontracted by the DBE Subcontractor to another firm as DBE Participation by said DBE subcontractor. If the work has been subcontracted to another DBE, it will be counted as DBE participation for that other DBE.

- iv. DBE Joint Venture Partner – Count the portion of the work that is performed solely by the DBE's forces or, if the work is not clearly delineated between the DBE and the joint venture partner, count the portion of the work equal to the DBE's percentage ownership interest in the joint venture.
- v. DBE Manufacturer – Count 100% of the costs of materials and supplies obtained from a DBE manufacturer that operates or maintains a factory that produces the materials and supplies on the premises. This applies whether the DBE is a prime contractor or subcontractor.
- vi. DBE Regular Dealer – Count 60% of the costs of materials and supplies obtained from a DBE regular dealer that owns, operates or maintains a store or warehouse in which the materials and supplies are regularly bought, kept in stock and sold or leased to the public in the usual course of business, except regular dealers of bulk items such as petroleum, cement and gravel who own and operate distribution equipment in lieu of maintaining a place of business. This applies whether a DBE is a prime CONTRACTOR or subcontractor.
- vii. Other DBEs – Count the entire amount of fees or commissions charged for assistance in procuring or delivering materials and supplies when purchased from a DBE that is not a manufacturer or regular dealer. Do not count the cost of materials and supplies.
- viii. DBE Trucking Company – Count the entire amount of the transportation services provided by a DBE trucking company that performs the work using trucks it owns, insures and operates with its own employees on the CONTRACT.

Count the entire amount of the transportation service provided by a DBE trucking company that performs the work using trucks it leases from another DBE, including an owner-operator, provided that it is responsible for the overall management and supervision of the service and that it uses at least one truck that it owns, insures and operates with its own employees on the CONTRACT.

Count the entire amount of fees and commissions charged for providing the management and supervision of transportation services using trucks it leases from a non-DBE trucking company, including owner-operator, provided that it is responsible for the overall management and supervision of the service and that it uses at least one truck that it owns, insures and operates with its own employees on the CONTRACT.

SECTION B

SCOPE OF SERVICES

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- 1 33 00 Submittal Procedures
- 1 50 00 Temporary Facilities
- 1 60 00 Product Requirements
- 1 74 00 Cleaning

DIVISIONS 02 DEMOLITION

- 2 41 19 Selective Demolition

DIVISIONS 03-05- NOT USED

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

- 6' 10 53 Miscellaneous/Rough Carpentry

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

- 07 54 23 Thermoplastic Polyolefin (TPO) Roofing
- 07 62 00 Sheet Metal Flashing and Trim
- 07 92 00 Joint Sealant

DIVISIONS 8 —NOT USED

DIVISIONS 9 — NOT USED

DIVISIONS 10 THROUGH 49 —NOT USED

SECTION B SCOPE OF SERVICES

- Remove 1 layer of existing roofing system down to the decking.
- Inspect decking and repair all areas as needed.
- Install insulated boards
- Build valleys in low areas where ponding occurs so water will flow towards roof top drains.
- Install new 1 layer of 1/4" Dens deck.
- Prep roof for installation of new 60 mil White TPO roof system.
- Install new 2"X 3" clad metal drip edge around perimeter of roof.
- Install new flashing around all pipes.
- Install a new 60 mil TPO Membrane, fastened with seam plates and #15 screws in accordance with the manufacturer's written specifications.
- Remove all debris caused by roof work and dispose at proper landfill.

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Submittal procedures.
- B. Proposed products list.
- C. Shop drawings.
- D. Product data.
- E. Samples.
- F. Manufacturers' instructions.
- G. Manufacturers' certificates.

1.2 SUBMITTAL PROCEDURES

- A. Transmit each submittal with Architect accepted form.
- B. Sequentially number the transmittal forms. Resubmittals to have original number with an alphabetic suffix.
- C. Identify Project, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate.
- D. Apply Contractor's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents
- E. Schedule submittals to expedite the Project, and deliver to Architect at business address. Coordinate submission of related items.
- F. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work.
- G. Provide space for Contractor and Architect review stamps.
- H. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- I. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.

1.3 PROPOSED PRODUCTS LIST

- A. Within 15 days after date of Owner-Contractor Agreement, submit complete list of major products proposed for use, with name of manufacturer, trade name, and model number of each product.
- B. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.

1.4 SHOP DRAWINGS

- A. Submit the number of opaque reproductions which Contractor requires, plus two copies which will be retained by Architect.

1.5 PRODUCT DATA

- A. Submit the number of copies which the Contractor requires, plus two copies which will be

retained by the Architect.

- B. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project

1.6 SAMPLES

- A. Submit samples to illustrate functional and aesthetic characteristics of the Product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
- B. Submit samples of finishes from the full range of manufacturers' standard colors, textures, and patterns for Architect's selection.
- C. Include identification on each sample, with full Project information.
- D. Submit the number or samples specified in individual specification Sections; one of which will be retained by Architect.
- E. Reviewed samples which may be used in the Work are indicated in individual specification Sections.

1.7 MANUFACTURER'S INSTRUCTIONS

- A. When specified in individual specification Sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, adjusting, and finishing, in quantities specified for Product Data.
- B. Identify conflicts between manufacturers' instructions and Contract Documents.

1.8 MANUFACTURER'S CERTIFICATES

- A. When Specified in individual specification Sections, submit manufacturer's certificate to Architect for review, in quantities specified for Product Data.
- B. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- C. Certificates may be recent or previous test results on material or Product, but must be acceptable to Architect.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not used

END OF SECTION 013300

SECTION 01 50 00 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section describes construction facilities and temporary controls required for the Work.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
 - 2. Except that equipment furnished by subcontractors shall comply with requirements of pertinent safety regulations, such equipment normally furnished by the individual trades in execution of their own portions of the Work are not part of this Section.
 - 3. Permanent installation and hookup of the various utility lines are described in other Sections.

1.2 REQUIREMENTS

- A. Provide construction facilities and temporary controls needed for the Work including, but not necessarily limited to:
 - 1. Temporary utilities such as water and electricity;
 - 2. Sanitary facilities;
 - 3. Enclosures such as tarpaulins, barricades, and canopies;

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Maintain temporary facilities and controls in proper and safe condition throughout progress of the Work.

PART 2 - PRODUCTS

2.1 UTILITIES

- A. Water: At no cost to the Contractor, the Owner will furnish all necessary water for testing, sterilizing, flushing, and other construction purposes, subject to the following conditions:
 - 1. Water will be available from existing water facilities, at locations designated by the Owner. The Contractor shall make all necessary arrangements and shall provide all necessary hoses, temporary pipework, portable tanks, and other equipment to convey the water to the usage locations.
 - 2. Carefully conserve all water, and do not waste it unnecessarily.
 - 3. Before each water delivery from the existing water facilities, obtain the Owner's prior approval of the time and duration of flow, approximate rate of flow, and approximate volume of water required.
- B. Electricity: Owner will provide.

- I. Electricity will be available from existing electrical facilities, at location approved by the Owner. The Contractor shall make all necessary arrangements with local electrical utility company and shall provide all temporary wiring and temporary equipment required to convey the electricity to the usage locations.
2. Carefully conserve all electricity, and do not waste it unnecessarily.
3. Do not overload existing electrical facilities, and do not adversely affect the operation of any existing electrically operated equipment
4. Remove all temporary electrical work promptly after it is no longer required.

2.2 SANITARY FACILITIES

- A. Provide temporary sanitary facilities in the quantity required for use by all personnel.
- B. Maintain in a sanitary condition at all times.

2.3 TEMPORARY CONSTRUCTION

- A. Provide and maintain for the duration of construction all scaffolds, tarpaulins, canopies, warning signs, steps, platforms, bridges, and other temporary construction necessary for proper completion of the Work in compliance with pertinent safety and other regulations.

2.4 REMOVING AND REPLACING FENCES, SOD, ETC.

- A. Where required to install the Work, carefully remove and store all interfering fences, mailboxes, culverts, etc. After installation of work and backfilling, reinstall these items and restore them to at least the conditions which existed prior to the commencement of work, using materials and workmanship to match those of the original construction and installation
- B. Carefully remove and store all interfering shrubbery, trees, sod, flowers, and other planting, sufficiently in advance of construction. After installation of work and backfilling, reset and restore these items to at least the conditions that existed prior to the commencement of work

2.5 EQUIPMENT AND MATERIALS STORAGE AND PROTECTION

- A. Equipment Which Will Be Installed Indoors: At all times prior to its installation within permanent plant buildings and structures which are sufficiently enclosed to provide adequate Weather protection, store this equipment in dry weathertight warehouses or other shelters which Will completely protect this equipment from damage by weather and other causes. Obtain Architect's prior approval of proposed storage facilities; plastic wrapping or covering alone will not be considered adequate protection.
 1. This includes but shall not be limited to: pumps; motors; chemical feed equipment; laboratory furniture and equipment; filter consoles; control consoles and control equipment; electrical switchgear, panelboards, and lighting fixtures; and architectural items.
- B. Equipment and Materials Which Will be Installed Outdoors: At all times prior to its installation, store this equipment and these materials on pallets, skids, runners, platforms, or other suitable supports which will hold all parts of this equipment and these materials at least six inches aboveground; provide watertight coverings for those stored items which may be damaged by rain or snow; all, as approved.
- C. Payment for Stored Materials and Equipment: No payment will be made for on-site or off-site stored materials and equipment which is not stored as specified above.

- D. At Contractor's expense, provide temporary weathertight storage for materials which may be damaged by storage exposed to weather.

2.6 TRAFFIC CONTROL

- A. Schedule and perform all work to interfere, as little as possible with vehicular traffic flow. Poor planning and gross inconsideration of traffic flow will be just cause for the Owner to stop the Contractor's work until the unsatisfactory conditions have been remedied.
- B. Provide safety precautions and warnings in accordance with SECTION 00710, GENERAL CONDITIONS, Article 10.

PART 3- EXECUTION

3.1 MAINTENANCE AND REMOVAL

- A. Maintain temporary facilities and controls as long as needed for safe and proper completion of the Work.
- B. Remove such temporary facilities and controls as rapidly as progress of the Work will permit, or as directed by the Architect.

END OF SECTION

SECTION 016000 - PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Protect products scheduled for use in the Work by means including, but not necessarily limited to, those described in this Section.
- B. Related Work: .
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions and Sections in Division 1 of these Specifications.
 - 2. Additional procedures also may be prescribed in other Sections of these Specifications.

1.2 QUALITY ASSURANCE

- A. Include within the Contractor's quality assurance program such procedures as are required to assure full protection of work and materials. •

1.3 MANUFACTURERS' RECOMMENDATIONS

- A. Except as otherwise approved by the Architect, determine and comply with manufacturers' recommendations on product handling, storage, and protection.

1.4 PACKAGING

- A. Deliver products to the job site in their manufacturer's original container, with labels intact and legible.
 - 1. Maintain packaged materials with seals unbroken and labels intact until time of use.
 - 2. Promptly remove damaged material and unsuitable items from the job site, and promptly replace with material meeting the specified requirements, at no additional cost to the Owner.
- B. The Architect may reject as non-complying such material and products that do not bear identification satisfactory to the Architect as to manufacturer, grade, quality, and other pertinent information.

1.5 PROTECTION AND HANDLING

- A. Maintain finished surfaces clean, unmarred, and suitably protected until accepted by the Owner.

1.6 REPAIRS AND REPLACEMENTS

- A. In event of damage, promptly make replacements and repairs to the approval of the Architect and at no additional cost to the Owner.
- B. Additional time required to secure replacements and to make repairs will not be considered by the Architect to justify an extension in the Contract Time of Completion.

END OF SECTION 016000

SECTION 02 41 19
SELECTIVE STRUCTURE DEMOLITION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Demolition of designated structures and removal of materials from site.

1.2 RELATED SECTIONS

- A. DIVISION 7 - THERMAL AND MOISTURE PROTECTION.

1.3 QUALITY ASSURANCE

- A. Contractor Qualifications: Minimum of five years experience in this type of demolition.
- B. Meet the requirements of the local regulatory agencies.
- C. Permit for transporting and disposal of debris.

1.4 JOB CONDITIONS

- A. Protection:
 - 1. Erect barriers, fences, guard rails, enclosures, chutes, and shoring to protect personnel, property, structures, and utilities remaining intact.
 - 2. If required by governing authorities, provide alternate routes around closed or obstructed traffic ways.

PART 2 - PRODUCTS

1.5 MATERIALS

- A. Except where noted otherwise, maintain possession of materials being demolished. Immediately remove these materials from site.
- B. Carefully remove, store, and protect for re-installation all materials and equipment that is noted on drawings to be relocated or re-used.

PART 3 - EXECUTION

1.6 DEMOLITION

- A. Demolish the structures in an orderly and careful manner.
- B. Perform demolition in accordance with the requirements of applicable authorities having jurisdiction.
- C. Repair all demolition performed in excess of that required, at no cost to the Owner.
- D. Burning of materials on site is not permitted.
- E. Remove from site contaminated: vermin infested or dangerous materials encountered and dispose of by safe means so as not to endanger health of workers and public.
- F. Carry out demolition work in a manner that will cause as little inconvenience to adjacent occupied building areas as possible.

- G. Remove demolished materials, tools, and equipment from site upon completion of work.
Leave site in a condition acceptable to the Architect.
- H. Erect and maintain weatherproof closures for exterior openings.

END OF SECTION 024119

SECTION 075423 - THERMOPLASTIC POLYOLEFIN (TPO) ROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Adhered thermoplastic polyolefin (TPO) roofing system.
 - 2. Mechanical!), fastened thermoplastic polyolefin (TPO) roofing system.
 - 3. Roof insulation.
- B. Related Requirements:
 - 1. Section 061053 'Miscellaneous Rough Carpentry' for wood nallers, curbs, and blocking; and for wood-based, structural-use roof deck panels.
 - 2. Section 076200 'Sheet Metal Flashing and Trim" for metal roof flashings and counter flashings.
 - 3. Section 079200 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.

1.3 DEFINITIONS

- A. Roofing Terminology: Definitions In ASTM D 1079 and glossary in NRCA's "The NRCA Roofing and Waterproofing Manual" apply to work of this Section.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other work, including:
 - 1. Base flashing and membrane terminations.
 - 2. Tapered Insulation, including slopes.
 - 3. Insulation fastening patterns for corner, perimeter, and field-of-roof location's.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturer.
- B. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with requirements specified in 'Performance Requirements" Article.
 - 1. Submit evidence of compliance with performance requirements.
- C. Product Test Reports: For components of roofing system, tests performed by manufacturer and witnessed by a qualified testing agency.
- D. Research/Evaluation Reports: For components of roofing system, from ICC-ES.
- E. Sample Warranties: For manufacturer's special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For roofing system to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is UL listed for roofing system identical to that used for this Project
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof Insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with insulation manufacturer's written Instructions for handling, storing, and protecting during installation.
- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.9 FIELD CONDITIONS

- A. Weather Limitations: Proceed with Installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements

1.10 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes roofing, base flashing, roof insulation, fasteners, roofing accessories, and other components of roofing system.
 - 2. Warranty Period: 20 years from date of Substantial Completion.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as roofing, base flashing, roof insulation, fasteners, cover boards, substrate boards, vapor retarders, roof pavers, and walkway products, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Carlisle SynTec Incorporated.
 - 2. Firestone Building Products.
 - 3. GAF Materials Corporation.
 - 4. Johns Manville: a Berkshire Hathaway company.
 - 5. Verslco Incorporated.
- B. Source Limitations: Obtain components including roof Insulation fasteners for roofing system from same manufacturer as membrane roofing or manufacturer approved by membrane roofing manufacturers.

2.2 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing and base flashings shall withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roofing and base flashings shall remain watertight.
 - 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.
 - 2. Impact Resistance: Roofing system shall resist impact damage when tested according to ASTM D 3746 or ASTM D 4272.
- B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roofing manufacturer based on testing and field experience.
- C. Roofing System Design: Tested by a qualified testing agency to resist the following uplift pressures:
 - 1. Corner Uplift Pressure: 90 lbf/sq. ft.
 - 2. Perimeter Uplift Pressure: 90 lbf/sq. ft.
 - 3. Field-of-Roof Uplift Pressure: 60 lbf/sq. ft.
- D. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class A; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

2.3 TPO ROOFING

- A. Fabric-Reinforced TPO Sheet ASTM D 6878, internally fabric- or scrim-reinforced, uniform, flexible TPO sheet.
 - 1. Thickness: 60 mils, nominal.
 - 2. Exposed Face Color: White.

2.4 AUXILIARY ROOFING MATERIALS

- A. Sheet Flashing: Manufacturer's standard unreinforced TPO sheet flashing, 55 mils thick, minimum, of same color as TPO sheet.

- B. Bonding Adhesive: Manufacturer's standard.
- C. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- D. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc-coated steel sheet, approximately 1 inch wide by 0.05 Inch thick, pre-punched.
- E. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with, corrosion-resistance provisions in FM Global 4470, designed for fastening roofing to substrate, and acceptable to roofing system manufacturer.
- F. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashing, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

2.5 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by TPO roofing manufacturer, selected from manufacturer's standard sizes suitable for application, of thicknesses Indicated.
- B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Atlas Roofing Corporation.
 - b. Carlisle SynTec Incorporated.
 - c. Firestone Building Products.
 - d. GAF Materials Corporation.
 - e. Hunter Panels.
 - f. Johns Manville: a Berkshire Hathaway company.
 - g. RM8X, Inc.
- C. Tapered Insulation: Provide factory-tapered insulation boards fabricated to the slope indicated on the drawings.
- D. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated.

2.6 INSULATION ACCESSORIES

- A. General: Roof insulation accessories recommended by Insulation manufacturer for intended use and compatibility with roofing.
- B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Global 4470, designed for fastening roof Insulation to substrate, and acceptable to roofing system manufacturer.
- C. insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another Insulation layer as follows:
 - 1. Bead-applied, low-rise, one-component or multi-component urethane adhesive.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with installer present, for compliance with requirements and other conditions affecting performance of the Work:
 - 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely damped in place.
 - 2. Verify that wood blocking, curbs, and nallers are securely anchored to roof deck at penetrations and terminations and that nallers match thicknesses of insulation.
 - 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 'Steel Decking.'
 - 4. Verify that minimum concrete drying period recommended by roofing system manufacturer has passed.
 - 5. Verify that concrete substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - 6. Verify that concrete-curing compounds that will impair adhesion of roofing components to roof deck have been removed.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.

3.3 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at the end of the workday or when rain is forecast. Remove and discard temporary seals before beginning work on adjoining roofing.

3.4 INSULATION INSTALLATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at the end of the workday.
- B. Comply with roofing system and insulation manufacturer's written instructions for installing roof insulation.
- C. Install tapered insulation under area of roofing to conform to slopes indicated.
- D. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is 3.6 inches or greater, install two or more layers with joints of each succeeding layer staggered from joints of previous layer a minimum of 6 inches in each direction.
- E. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict flow of water.

- F. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch with insulation.
 - 1. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
- G. Mechanically Fastened and Adhered Insulation: For metal decks, install first layer of insulation to deck using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to deck type.
 - 1. Fasten first layer of insulation to resist uplift pressure at corners, perimeter, and field of roof.
 - 2. Set each subsequent layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and maintaining insulation in place.

3.5 ADHERED ROOFING INSTALLATION

- A. Adhere roofing over area to receive roofing according to roofing system manufacturer's written instructions. Unroll roofing and allow to relax before retaining.
- B. Accurately align roofing, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- C. Bonding Adhesive: Apply to substrate and underside of roofing at rate required by manufacturer, and allow to partially dry before installing roofing. Do not apply to splice area of roofing.
- D. In addition to adhering, mechanically fasten roofing securely at terminations, penetrations, and perimeter of roofing.
- E. Apply roofing with side laps shingled with slope of roof deck where possible.
- F. Seams: Clean seam areas, overlap roofing, and hot-air weld side and end laps of roofing and sheet flashings according to manufacturer's written Instructions, to ensure a watertight seam installation.
 - 1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of sheet.
 - 2. Repair tears, voids, and lapped seams in roofing that do not comply with requirements.
- G: Spread sealant bed over deck-drain flange at roof drains, and securely seal roofing in place with clamping ring.

3.6 BASE FLASHING INSTALLATION

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions. '
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field formed Inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings Into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.

3.7 FIELD QUALITY CONTROL

- A. Final Roof inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- B. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- C. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.8 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing, Inspect roofing for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.

END OF SECTION 07 54 23

SECTION 07 92 00 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Prepare Substrata surfaces.
- B. Sealant and Caulking backing.
- C. Sealant and Caulking

1.2 RELATED SECTIONS

- A. DIVISION 7 - THERMAL AND MOISTURE PROTECTION.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00.
- B. Manufacturer's literature describing materials and application recommendations including requirements for joint preparation and primers.
- C. Samples:
 - 1. Submit color samples.

1.4 WARRANTY

- A. Warranty period for this work is for two years for cracking, spelling, leaching, delamination, disintegration, and durability by the manufacturer and applicator for material and workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Tremco Incorporated, Beachwood, OH.
- B. Pecora Corporation, Harleysville, PA.
- C. Sonnebom Building Products, Chem Res Inc., Minneapolis, MN.
- D. Firestone, Carmel, IN.

2.2 MATERIALS

- A. Exterior and interior joints subject to movement gun-grade polyurethane sealant shall be one of the following types:
 - 1. Tremco "Vulkem 921".
 - 2. Pecora "Dynatrol
 - 3. Sonneborn "Sonolastic NP 2"
- B. Interior/Exterior self-leveling polyurethane for horizontal joints shall be one of the following types:
 - 1. Firestone "Pourable Sealant".
 - 2. Tremco "Vulkem 45".
 - 3. Pecora "NR-201 Urexpan".
 - 4. Sonnebom "Sonolastic SL1".

- C. Joint Filler: Shall be ethafoam backer rod extruded polyurethane foam as manufactured by Dow Chemical Corporation. In joints too small to use rod type backing material, architectural release tape shall be substituted.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Verify joint dimensions, physical, and environmental conditions are acceptable to receive work of his section.
- B. Beginning of installation means acceptance.

3.2 PREPARATION

- A. Clean, prepare, and size joints in accordance with manufacturers instructions. Remove any loose materials and other foreign matter which might impair adhesion of sealant.
- B. Verify that joint shaping materials and release tapes are compatible with sealant.
- C. Examine joint dimensions and size materials to achieve required width/depth ratios.
- D. Use joint filler to achieve required joint depths, to allow sealants to perform properly.
- E. Use bond breaker where required.

3.3 INSTALLATION

- A. Perform work in accordance with ASTM C804 for solvent release and C790 for latex base sealants.
- B. Install sealant in accordance with manufacturer's instructions.
- C. Apply sealant within recommended temperature ranges. Consult manufacturer when sealant can-not be applied within recommended temperature ranges.
- D. Tool joints concave or as indicated.
- E. Joints: Free of air pockets, foreign embedded matter, ridges, and sags.

END OF SECTION 079200

SECTION 01 74 00 - CLEANING

PART 1 - GENERAL

1.1 SUMMARY

- A. Throughout the construction period, maintain the buildings and site in a standard of cleanliness as described in this Section.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions and Sections in Division 1 of these Specifications.
 - 2. In addition to standards described in this Section, comply with requirements for cleaning as described in pertinent other Sections of these Specifications.

1.2 QUALITY ASSURANCE

- A. Conduct daily inspection, and more often if necessary, to verify that requirements for cleanliness are being met.
- B. In addition to the standards described in this Section, comply with pertinent requirements of governmental agencies having jurisdiction.

PART 2 - PRODUCTS

1.1 CLEANING MATERIALS AND EQUIPMENT

- A. Provide required personnel, equipment, and materials needed to maintain the specified standard of cleanliness.

1.2 COMPATIBILITY

- A. Use only the cleaning materials and equipment which are compatible with the surface being cleaned, as recommended by the manufacturer of the material.

PART 3 - EXECUTION

1.1 PROGRESS CLEANING

- A. General:
 - 1. Retain stored items in an orderly arrangement allowing maximum access, not impeding traffic or drainage, and providing required protection of materials.
 - 2. Do not allow accumulation of scrap, debris, waste material, and other items not required for construction of this Work.
 - 3. At least twice each month, and more often if necessary, completely remove all scrap, debris, and waste material from the job site.
 - 4. Provide adequate storage for all items awaiting removal from the job site, observing requirements for fire protection and protection of the ecology.
- B. Site:
 - 1. Daily, and more often if necessary, inspect the site and pick up all scrap, debris, and waste material. Remove such items to the place designated for their storage.
 - 2. Weekly, and more often if necessary, inspect all arrangements of materials stored on the site. Re-stack, tidy, or otherwise service arrangements to meet the

requirements of subparagraph 3.1-A-1 above.

3. Maintain the site in a neat and orderly condition at all times.
- C. Roof: Daily pick up all scrap, debris, material which may become air borne, and nails and other material which may damage roof if stepped on. Remove such items to the place designated for their storage.
- D. The Contractor shall be responsible for policing perimeter of building and parking area of nails and other damaging debris from his construction activity. The Contractor shall be responsible for repairing all personnel flat tires that can be contributed to his failure to remove such nails and other damaging debris from the grounds.

1.2 FINAL CLEANING

- A. "Clean," for the purpose of this section, and except as may be specifically provided otherwise, shall be interpreted as meaning the level of cleanliness generally provided by skilled cleaners using commercial quality building maintenance equipment and materials.
- B. Prior to completion of the Work, remove from the job site all tools, surplus materials, equipment, scrap, debris, and waste. Conduct final progress cleaning as described in Article 3.1 above.
- C. Site:
 1. Unless otherwise specifically directed by the Designer, broom clean paved areas on the site and public paved areas adjacent to the site and completely remove resultant debris.
 2. Remove all nails, split asphalt, and other debris produced by the Work.
- D. Roof: Remove all unused nails, scraps, debris, and other unused material.
- E. Schedule final cleaning as approved by the Designer to enable the Owner to accept a completely clean Work.

1.3 CLEANING DURING OWNER'S OCCUPANCY

- A. Should the Owner occupy the Work or any portion thereof prior to its completion by the Contractor and acceptance by the Owner, responsibilities for interim and final cleaning shall be as determined by the Designer in accordance with the General Conditions.

END OF SECTION

SECTION 06 10 53 - MISCELLANEOUS ROUGH CARPENTRY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section Includes the following:
 - 1. Framing with dimension lumber.
 - 2. Rooftop equipment bases and support curbs.
 - 3. Wood blocking and milers.

1.3 DEFINITIONS

- A. Dimension Lumber. Lumber of 2 inches nominal or greater but less than 5 inches nominal in least dimension.
- B. Lumber grading agendas, and the abbreviations used to reference them, include the following:
 - 1. NeLMA: Northeastern Lumber Manufacturers' Association.
 - 2. NHLA: National Hardwood Lumber Association.
 - 3. NLGA: National Lumber Grades Authority.
 - 4. SPIB: The Southern Pine Inspection Bureau.
 - 5. WCLIB: West Coast Lumber Inspection Bureau.
 - 6. WWPAA: Western Wood Products Association.

1.4 SUBMITTALS

- A. Product Data: For each type of process and factory-fabricated product. Indicate component materials and dimensions and include construction and application details.
 - 1. Include data for wood-preservative treatment from chemical treatment manufacturer and certification by treating plant that treated materials comply with requirements. Indicate type of preservative used and net amount of preservative retained.

1.5 QUALITY ASSURANCE

- A. Forest Certification: For the following wood products, provide materials produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC 1.2, Principles and Criteria":
 - 1. Dimension lumber framing.
 - 2. Miscellaneous lumbar.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Stack lumber flat with spacers between each bundle to provide air circulation. Provide for air circulation around stacks and under coverings.
- B. Deliver interior wood materials that are to be exposed to view only after building is enclosed

and weatherproof, wet work other than painting is dry, and HVAC system is operating and maintaining temperature and humidity at occupancy levels.

PART 2 - PRODUCTS

2.1 WOOD PRODUCTS, GENERAL

- A. Lumber. DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, provide lumber that complies with the applicable rules of any rules-writing agency certified by the ALSC Board of Review. Provide lumber graded by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules indicated.
 - 1. Factory mark each piece of lumber with grade stamp of grading agency.
 - 2. Where nominal sizes are indicated, provide actual sizes required by DOC PS 20 for moisture content specified. Where actual sizes are indicated, they are minimum dressed sizes for dry lumber.
 - 3. Provide dressed lumber, S4S, unless otherwise indicated.

2.2 WOOD-PRESERVATIVE-TREATED MATERIALS

- A. Preservative Treatment by Pressure Process: AWPAC2.
 - 1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.
 - 2. For exposed items indicated to receive a stained or natural finish, use chemical formulations that do not require incising, contain colorants, bleed through, or otherwise adversely affect finishes.
- B. Kiln-dry lumber after treatment to a maximum moisture content of 19 percent. Do not use material that is warped or does not comply with requirements for untreated material.
- C. Mark lumber with treatment quality mark of an inspection agency approved by the ALSC Board of Review.
- D. Application: Treat items indicated on Drawings, and the following:
 - 1. Wood cants, nailers, curbs, equipment support bases, blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.

2.3 DIMENSION LUMBER FRAMING

- A. Maximum Moisture Content: 15 percent.
- B. Other Framing: No. 2 grade and any of the following species:
 - 1. Hem-fir (north); NLGA.
 - 2. Southern pine; SPIB.
 - 3. Douglas fir-Larch; WCLIB or WWPA.
 - 4. Mixed southern pine; SPIB.
 - 5. Spruce-pine-fir; NLGA.
 - 6. Douglas fir-south; WWPA.
 - 7. Hem-fir; WCLIB or WWPA.
 - 8. Douglas fir-larch (north); NLGA.
 - 9. Spruce-pine-fir (south); NLMA, WCLIB, or WWPA.

2.4 PLYWOOD PANELS

- A. Plywood, DOC PS 1, Exterior, C-C Plugged, in thickness indicated or, if not Indicated, not less than 1/2-inch nominal thickness.

2.5 MISCELLANEOUS LUMBER

- A. General: Provide Miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:
 - 1. Blocking.
 - 2. Nallers.
 - 3. Rooftop equipment bases and support curbs.
- B. For items of dimension lumber size, provide Construction or No. 2 grade lumber with 15 percent maximum moisture content and any of the following species:
 - 1. Hem-fir (north); NLGA.
 - 2. Mixed southern pine; SPIB.
 - 3. Spruce-pine-fir; NLGA.
 - 4. Hem-fir; WCLIB, or WWPA.
 - 5. Spruce-pine-fir (south); NeLMA, WCLIB, or WWPA.
 - 6. Western woods; WCLIB or WWPA.
 - 7. Northern species; NLGA.
 - 8. Eastern softwoods; NeLMA.
- C. For blocking not used for attachment of other construction Utility, Stud, or No. 3 grade lumber of any species may be used provided that it is cut and selected to eliminate defects that will interfere with its attachment and purpose.
- D. For blocking and natters used for attachment of other construction, select and cut lumber to eliminate knots and other defects that will interfere with attachment of other work.
- E. For furring strips for installing plywood or hardboard paneling, select boards with no knots capable of producing bent-over nails and damage to paneling.

2.6 FASTENERS

- A. General: Provide fasteners of size and type indicated that comply with requirements specified in this Article for material and manufacture.
 - 1. Where carpentry is exposed to weather, in ground contact, pressure-preservative treated, or In area of high relative humidity, provide fasteners with hot-dip zinc coating complying with ASTM A 153/A 153M or of Type 304 stainless steel.
- B. Nails, Brads, and Staples: ASTM F 1667.
- C. Power-Driven Fasteners: NES NER-272.
- D. Wood Screws: ASME B18.13.1.
- E. Screws for Fastening to Cold-Formed Metal Framing: ASTM C 954, except with wafer heads and reamer wings, length as recommended by screw manufacturer for material being fastened.

- F. Lag Bolts: ASME B18.2.1.
- G. Bolts: Steel bolts complying with ASTM A 307, Grade A; with ASTM A 563 hex nuts and, where indicated, flat washers. .
- H. Expansion Anchors: Anchor bolt and sleeve assembly of material Indicated below with capability to sustain, without failure, a load equal to 6 times the load imposed when Installed in unit masonry assemblies and equal to 4 times the load imposed when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing and Inspecting agency.
 - 1. Material: Carbon-steel components, zinc plated to comply with ASTM B 633, Class FeZn 5.
 - 2. Material: Stainless steel with bolts and nuts complying with ASTM F 593 and ASTM F 594, Alloy Group 1 or 2.

2.7 METAL FRAMING ANCHORS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
- B. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- C. Basis-of-Design Products: Subject to compliance with requirements, provide products indicated on Drawings or comparable products by one of the following:
 - 1. Cleveland Steel Specialty Co.
 - 2. Harlan Metal Products, Inc.
 - 3. KC Metals Products, Inc.
 - 4. Simpson Strong-Tie Co., Inc.
 - 5. Southeastern Metals Manufacturing Co., Inc.
 - 6. USP Structural Connectors.
- D. Galvanized Steel Sheet Hot-dip, zinc-coated steel sheet complying with ASTM A 653/A 653M, G60 coating designation.
 - 1. Use for interior locations where stainless steel is not indicated.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Set carpentry to required levels and lines, with members plumb, true to line, cut, and fitted. Fit carpentry to other construction; scribe and cope as needed for accurate fit. Locate nallers, blocking, and similar supports to comply with requirements for attaching other construction.
- B. Framing Standard: Comply with AF&PA's "Details for Conventional Wood Frame Construction," unless otherwise indicated.
- C. Metal Framing Anchors: install metal framing to comply with manufacturer's written instructions.

- D. Do not splice structural members between supports, unless otherwise indicated.
- E. Provide blocking and framing as indicated and as required to support facing materials, fixtures, specialty items, and trim.
 - 1. Provide metal clips for fastening gypsum board or lath at corners and intersections where framing or blocking does not provide a surface for fastening edges of panels. Space clips not more than 16 inches o.c.
- F. Sort and select lumber so that natural characteristics will not interfere with installation or with fastening other materials to lumber. Do not use materials with defects that interfere with function of member or pieces that are too small to use with minimum number of joints or optimum joint arrangement.
- G. Comply with AWWA M4 for applying field treatment to cut surfaces of preservative-treated lumber.
 - 1. Use inorganic boron for items that are continuously protected from liquid water.
 - 2. Use copper naphthenate for items not continuously protected from liquid water.
- H. Securely attach carpentry work to substrate by anchoring and fastening as indicated, complying with the following:
 - 1. NES NER-272 for power-driven fasteners.
 - 2. Table 2304.9.1, "Fastening Schedule," in ICC's International Building Code.
 - 3. Table 23-II-B-1, "Nailing Schedule," and Table 23-11-B-2, "Wood Structural Panel Roof Sheathing Nailing Schedule," in ICBO's Uniform Building Code.
 - 4. Table 2305.2, "Fastening Schedule," in BOCA's BOCA National Building Code.
 - 5. Table 2306.1, "Fastening Schedule," in SBCC1's Standard Building Code.
 - 6. Table R602.3(1), "Fastener Schedule for Structural Members," and Table R602.3(2), "Alternate Attachments," in ICC's International Residential Code for One- and Two-Family Dwellings.
 - 7. Table 602.3(1), "Fastener Schedule for Structural Members," and Table 602.3(2), "Alternate Attachments," in ICC's international One- and Two-Family Dwelling Code.
- I. Use common wire nails, unless otherwise indicated. Select fasteners of size that will not fully penetrate members where opposite side will be exposed to view or will receive finish materials. Make tight connections between members. Install fasteners without splitting wood; do not countersink nail heads, unless otherwise indicated.

3.2 WOOD BLOCKING, AND NAILER INSTALLATION

- A. Install where indicated and where required for attaching other work. Form to shapes indicated and cut as required for true line and level of attached work. Coordinate locations with other work involved.
- B. Attach items to substrates to support applied loading. Recess bolts and nuts flush with surfaces, unless otherwise indicated.
- C. Provide permanent grounds of dressed, pressure-preservative-treated, key-beveled lumber not less than 1-1/2 inches wide and of thickness required to bring face of ground to exact thickness of finish material. Remove temporary grounds when no longer required.

3.3 PROTECTION

- A. Protect wood that has been treated with Inorganic boron (SBX) from weather. If, despite protection, Inorganic boron-treated wood becomes wet, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.
- B. Protect rough carpentry from weather. If, despite protection, rough carpentry becomes wet, apply EPA-registered borate treatment. Apply borate solution by spraying to comply with EPA-registered label.

END OF SECTION

SECTION 07 62 00 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.0 SECTION INCLUDES

Coping.

- A. Fascias, and pitch pockets.
- B. Counterflashings over base flashings.
- C. Counterflashings for roof hatches.
- D. Counterflashings at roof mounted equipment and vent stacks.

1.1 RELATED SECTIONS

DIVISION 7 - THERMAL AND MOISTURE PROTECTION.

1.2 SUBMITTALS

Submit under provisions of Section 0130 00.

- A. Product Data: Color chart and information about factory coating.
- B. Shop Drawings: Indicate material profile, jointing pattern, jointing details, fastening methods, flashings, terminations, and installation details.

1.3 QUALITY ASSURANCE

Perform work in accordance with standard details and requirements.

1.4 QUALIFICATIONS

Fabricator and installer: Company specializing in sheet metal flashing work with 5 years experience.

1.5 DELIVERY, STORAGE, AND HANDLING

Stack properly and prefinished material to prevent twisting, bending, or abrasion, and to provide ventilation. Slope metal sheets to ensure drainage.

- A. Prevent contact with materials which may cause discoloration or staining.

1.6 WARRANTY

Provide a warranty against defects in workmanship and material for a period of 2 years.

PART 2 - PRODUCTS

2.0 SHEET MATERIALS

Galvanized Steel: (only where called for) ASTM A653/A653M; structural steel sheet, G90 (Z275) zinc coating; 0.024 inch thick steel.

- A. Pre-Coated Galvanized Steel: ASTM A446, Grade A, G90 zinc coating; minimum thickness 24 gage mure steel, shop pre-coated with fluoropolymer coating color as selected from manufacturers standard, equal to ColorKlad by Vincent Metals; color as selected from manufacturer's standard.

2.1 ACCESSORIES

Fasteners: Same material and finish as flashing metal.

- A. Underlayment ASTM 0226 or D2178, No. 15 asphalt saturated roofing felt.
- B. Slip Sheet Rosin sized building paper.
- C. Primer: Zinc chromate type.
- D. Protective Backing Paint Zinc chromate alkyd or bituminous.
- E. Sealant: Polyurethane ASTM C 920 type, S Grade NS Class 25.
- F. Bedding Compound: Rubber-asphalt type.
- G. Plastic Cement ASTM D4586, Type II.

2.2 FABRICATION

Form sections true to shape, accurate in size, square, and free from distortion or defects.

- A. Fabricate cleats of same material as sheet, minimum 1.25 inches wide, interlockable with sheet.
- B. Form pieces in longest possible lengths.
- C. Hem exposed edges on underside 1/2 inch; miter and seam corners.
- D. Form material with standing seams.
- E. Pre-tin edges of sheets to be soldered. Solder shop formed metal joints. After soldering, remove flux. Wipe and wash solder joints clean. Weather seal joints.
- F. Fabricate corners from one piece with minimum 18 inch long legs; seam solder for rigidity, seal with sealant.
- G. Fabricate vertical faces with bottom edge formed outward 1/4 inch and hemmed to form drip.
- H. Fabricate flashings to allow toe to extend 4 inches over roofing. Return and brake edges.
- I. Form sheet metal pans (pitch pockets) 2 inches wider than item penetrating roof with 3 inch upstand, and 4 inch flanges.

2.3 FINISH

Back paint concealed metal surfaces with protective backing paint to a minimum dry film thickness of 15 mil.

PART 3 - EXECUTION

3.0 EXAMINATION

Verify roof openings, curbs, pipes, sleeves, ducts, or vents through roof are solidly set, reglets in place, and nailing strips located.

- A. Verify roofing termination and base flashings are In place, sealed, and secure.

3.1 PREPARATION

Install starter and edge strips, and Cleats before starting installation.

- A. Install surface mounted reglets true to lines and levels. Seal top of reglets with sealant.

3.2 INSTALLATION

Conform to drawing the details of the SMACNA manual.

- A. Insert flashings Into reglets to form tight fit. Secure in place with lead wedges. Pack remaining spaces with lead wool. Seal flashings Into reglets with sealant
- B. Apply plastic cement compound between metal flashings and felt flashings.
- C. Fit flashings tight in place. Make corners square, surfaces true and straight in planes, and lines accurate to profiles.
- D. Seal joints watertight for aluminum and prefinished galvanized metal.
- E. For galvanized steel solder metal joints for full metal surface contact After soldering, wash metal clean with neutralizing solution and rinse with water.
- F. On roofs, set splash pans under downspouts. Set in place with roofing cement. On ground, set splash pads under downspouts.
- G. Seal metal joints watertight.

END OF SECTION 076200

SECTION C

REQUIRED FORMS AND CERTIFICATIONS

MEMPHIS AREA TRANSIT AUTHORITY
ADDENDA ACKNOWLEDGEMENT FORM

Addenda received (if none received, write "none received")

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Addendum No: _____ Date Received: _____

Name of individual, partner or
corporation: _____

Street Address: _____

City, State and Zip Code: _____

Telephone Number: _____ Fax Number: _____

Printed Name: _____

Authorized Signature: _____

Title: _____

MEMPHIS AREA TRANSIT AUTHORITY

CONTACT AND REFERENCE FORM

MATA requires a primary point of a contract and a backup. Please list them below.

Primary Contact:

Name: _____

Phone: _____ Email: _____

Back-up Contact:

Name: _____

Phone: _____ Email: _____

REFERENCES:

(only include references for work completed in the last 3 years)

Reference #1

Name: _____

Phone: _____

Email: _____

Work Completed: _____

Years of Service: _____

Reference #2

Name: _____

Phone: _____

Email: _____

Work Completed: _____

Years of Service: _____

Reference #3

Name: _____

Phone: _____

Email: _____

Work Completed: _____

Years of Service: _____

MEMPHIS AREA TRANSIT AUTHORITY

AFFIDAVIT OF NON-COLLUSION

Affidavit of Non-Collusion:

I hereby swear (or affirm) under the penalty of perjury:

- (1) That I am the bidder (if the bidder is an individual), a partner of the bidder (if the bidder is a partnership), or an officer or employee of the proposing corporation with authority to sign on its behalf (if the bidder is a corporation);
- (2) That the attached bid or bids have been arrived at by the bidder independently, and have been submitted without collusion with, and without any agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment, or services described in the invitation for bid, designed to limit independent proposing or competition.
- (3) That the contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the proposal or bids; and
- (4) That I have fully informed myself regarding the accuracy of the statements made in this affidavit.

Signed: _____

Firm Name: _____

Subscribed and sworn to before me this _____ day of _____

Notary Public

My Commission expires _____

Bidder's E.I. Number: _____
(Number used on Employer's Quarterly Federal tax return)

MEMPHIS AREA TRANSIT AUTHORITY

BUY AMERICA CERTIFICATE

(For Contracts of \$150,000 or greater)

The bidder hereby certifies that it will comply with the requirements of Section 165a of the Surface Transportation Assistance Act of 1982 and the regulations in 49 CFR 661.

Date _____

Signature _____

Title _____

or

The bidder hereby certifies that it cannot comply with the requirements of Section 165a of Surface Transportation Assistance Act of 1982, but it may qualify for an exception to the requirement pursuant to Section 165b of the Surface Transportation Assistance Act and regulations in 49 CFR 661.7.

Date _____

Signature _____

Title _____

MEMPHIS AREA TRANSIT AUTHORITY

FEDERAL TAX LIABILITY AND RECENT FELONY CONVICTION

The contractor hereby certifies the following:

Does not have any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability; and was not convicted of the felony criminal violation under any Federal law within the preceding 24 months.

The contractor agrees to require all subcontractors to provide this certification and to flow this requirement down to participants at all lower tiers, without regard to the value of any subcontract.

Date _____

Signature _____

Title _____

MEMPHIS AREA TRANSIT AUTHORITY

**BIDDER'S LIST COLLECTION FORM
SUPPLEMENTAL CONTRACTOR and SUBCONTRACTOR INFORMATION**

IMPORTANT INFORMATION

- **ALL FIRMS WILL FILL THIS OUT:** All firms bidding on prime contracts and bidding or quoting subcontractors must also complete this form for the identified contract name and number. The prime bidder must copy the form and distribute it to all subcontractors. The Prime Firm will then complete and sign the form in the final section below and submit the information to MATA.
- **SUBMITTAL DUE DATE:** The Procurement Department instructed that this form be submitted with the other bid documents.
- **INSTRUCTIONS:** If you require additional forms or information, don't hesitate to contact the project's Contract Administrator.

A. ENTER PROJECT INFORMATION

Contract Name: _____

Contract Number: _____

B. ENTER CONTRACTOR/SUBCONTRACTOR INFORMATION

Firm Name: _____

Firm's Majority Owner's Name: _____

Race & Gender: _____

Street Address: _____

City, State, Zip Code: _____

Phone Number: _____ Email Address: _____

State License # for business _____ Tax ID# or EIN#: _____

C. ENTER DETAILS REGARDING THE CONTRACTOR/SUBCONTRACTOR LISTED ABOVE

Check all that apply: ☐ DBE ☐ MWBE ☐ SBE ☐ Veteran Business Enterprise

Age of firm: ☐ Less Than 1 year ☐ 4-7 years ☐ 8-10 years ☐ More than 10 years

Annual Gross Receipts: ☐ Less than \$500K ☐ \$500K to \$1M ☐ \$1M to \$2M ☐ \$3M or greater

Form completed by (Printed): _____

Form completed by (Signature): _____

Date signed: _____

D. TO BE COMPLETED BY PRIME FIRM (BIDDER)

Was this form selected for a subcontract or purchase for this contract? ☐ YES ☐ NO

If yes, enter the dollar value of this subcontract or purchase: \$ _____

NAICS Code/Area for Commercially Useful Function for each scope of the work performed by this firm on

this contract/project:

PRIVACY STATEMENT

THE INFORMATION COLLECTED ON THIS FORM WILL BE USED SOLELY BY MATA TO MAINTAIN A BIDDERS LIST AS REQUIRED BY 49 CFR PART 26.11(C) FOR THE FEDERAL TRANSIT ADMINISTRATION'S DBE PROGRAM. THIS INFORMATION HELPS MATA ESTABLISH ITS OVERALL DBE GOALS AND IDENTIFY AVAILABLE DBES AND SMALL BUSINESSES. ALL INFORMATION WILL BE KEPT CONFIDENTIAL TO THE EXTENT PERMITTED BY LAW, STORED SECURELY, AND ACCESSED ONLY BY AUTHORIZED PERSONNEL. DATA MAY BE AGGREGATED FOR STATISTICAL REPORTING PURPOSES, BUT INDIVIDUAL FIRM INFORMATION WILL NOT BE PUBLISHED OR SHARED WITH THIRD PARTIES EXCEPT AS REQUIRED BY LAW OR FTA REGULATIONS. FIRMS HAVE THE RIGHT TO REQUEST ACCESS TO THEIR SUBMITTED DATA.

MEMPHIS AREA TRANSIT AUTHORITY

**CERTIFICATION OF PRIMARY PARTICIPANT (prime Contractor)
REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The Primary Participant (potential contractor for a major third-party contract), _____ certifies to the best of its knowledge and belief that it and its principals:

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 bid been convicted of or had a civil judgment rendered against them for commission of fraud 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 indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission or any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/bidder had one or more public transactions (Federal, State, or local) terminated for cause or default.

(If the primary participant (potential third-party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (POTENTIAL CONTRACTOR FOR A MAJOR THIRD-PARTY CONTRACT), _____, 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. SECTION 3801 ET. SEQ. ARE APPLICABLE THERETO.

Signature and Title of Authorized Official

MEMPHIS AREA TRANSIT AUTHORITY

**CERTIFICATION OF LOWER-TIER PARTICIPANTS (subcontractors)
DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

The Lower Tier Participant (potential third-party contractor, or potential subcontractor under a major third-party contract), _____, certifies, by submission of this bid, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

(If the Lower Tier Participant, (potential third-party contractor or potential subcontractor under a major third-party contract) is unable to certify to any of the statements in this certification, such participant shall attach an explanation to this bid).

The LOWER-TIER PARTICIPANT, POTENTIAL THIRD-PARTY CONTRACTOR, OR POTENTIAL SUBCONTRACTOR UNDER A MAJOR THIRD PARTY CONTRACT, _____, 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

MEMPHIS AREA TRANSIT AUTHORITY

**CERTIFICATION OF RESTRICTIONS ON LOBBYING
(For Contracts of \$100,000 or greater)**

I, _____, hereby certify on behalf of _____
Name of Official Name of Contractor

that:

- (1) No Federal appropriated funds have been paid or will be paid on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of any 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 appropriate funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any 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 CONTRACTOR shall complete and submit Office of Management and Budget 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 subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients 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 _____, _____.

By: _____
Signature of Authorized Official

Title of Authorized Official

CERTIFICATION OF UTILIZATION OF DISADVANTAGED BUSINESS ENTERPRISES

The undersigned, as authorized representative of the Bidder, agrees to accept the terms and conditions of Section D and commits to carrying out the DBE contracting arrangements specified in the Schedule of DBE Participation.

Signature _____

Title _____

Date _____

LETTER OF INTENT TO PERFORM AS A DBE CONTRACTOR OR SUBCONTRACTOR

To: _____ **25-12**
Name of Prime/General Bidder MATA IFB Number

Address of Prime/General Bidder

City/State/Zip

The undersigned DBE intends to perform work in connection with the above project as (check one):

[] An Individual; [] A Corporation; [] Partnership; [] A Joint Venture

The undersigned DBE is prepared to perform the following described work in connection with the above project (specify in detail the particular work, items or parts thereof to be performed):

at the following price \$_____. This price equals _____% of the total bid price or contract to be awarded to the prime bidder.

Work or Items by Subcontractor	Projected Commencement Date	Projected Completion Date
_____	_____	_____
_____	_____	_____
_____	_____	_____

_____ DBE Business Name	_____ Signature of Authorized DBE Representative
_____ Certification # / State of Certification	_____ Expiration Date of Certification
_____ Address	_____ Date
_____ City/State/Zip	_____ Phone Number Fax Number

No agreement has been entered into between the above-named Prime Bidder and the DBE subcontractor wherein the above-named DBE subcontractor has promised not to provide subcontracting quotations to other bidders.

_____ Date	_____ Name of Prime or General Bidder
	_____ Signature of Authorized Representative

MEMPHIS AREA TRANSIT AUTHORITY

SCHEDULE OF DBE PARTICIPATION

NAME OF DBE FIRM	ROLE IN PROJECT (P, JV, S)	SERVICES TO BE PERFORMED	% OF TOTAL PROJECT COST
TOTAL			

P = Prime Contractor
JV = Joint Venture
S = Subcontractor

MEMPHIS AREA TRANSIT AUTHORITY

NATIONAL DEFENSE AUTHORIZATION ACT TELECOMMUNICATIONS

VENDOR hereby acknowledges that the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. 115232, § 889 (Aug. 13, 2018) (the Act) prohibits the Agency from procuring certain "covered telecommunications equipment or services," as defined in the Act, in federally assisted procurements and that the instant procurement is a federally assisted procurement subject to that prohibition. VENDOR represents and warrants that it has performed a due diligence review of its supply chain and that no such "covered telecommunications equipment or services" shall be provided to the Agency that would cause the Agency to be in violation of the prohibition contained in the Act.

By: _____
Signature of Authorized Official

Title of Authorized Official

MEMPHIS AREA TRANSIT AUTHORITY

**BID BOND
MATA IFB NUMBER 25-12**

Print Name of Principal

Print Name of Surety

KNOW ALL MEN BY THESE PRESENTS, that we, the Principal and Surety above named, are held and firmly bound unto MATA in the full and just sum of five percent (5%) of the total amount bid by the Principal for the project stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

NOW. THEREFORE, the condition of this obligation is: the Principal shall not withdraw its bid within 120 days after the opening of the bids, or within such other time period as may be provided in the Proposal, and if MATA shall award a Contract to the Principal, the Principal shall, within ten (10) days after written notice of the award is received by him, fully execute a Contract on the basis of the terms, conditions and unit prices set forth in his Proposal or bid and provide bonds with good and sufficient surety, as required for the faithful performance of the Contract and for the protection of all persons supplying labor, material, and equipment for the prosecution of the work. In the event the Principal withdraws its bid after bids are opened, or after award of the Contract has been made fails to execute such the Contract and/or such additional documents as may be required and to provide the required bonds within the time-period specified above, then the amount of the Proposal Bond shall be immediately paid to MATA, not as a penalty, but as agreed upon liquidated damages.

IN WITNESS WHEREOF, the Principal has caused these presents to be signed by a duly authorized official and the Surety has caused these presents to be duly signed and sealed by an authorized agent or attorney-in-fact.

Date

(Seal)

Principal (2)

Surety (2)

By:

By:

General Agent or Attorney-in-Fact

Print Name and Title

Date

Date

(Seal)

*NOTE: The signature and information for Principal (2) and Surety (2) is to be provided when there is a joint venture.

PERFORMANCE BOND

STATE OF TENNESSEE (----- COUNTY) KNOW ALL MEN BY THESE PRESENT, THAT:

We _____ (Herein called the "Contractor") of -----County, _____ a (Partnership or Corporation) organized and existing under and by virtue of the Laws of the State of _____ as principal, and _____, as surety, do hereby acknowledge ourselves indebted and firmly bound and held unto the Memphis Area Transit Authority (Hereinafter called the "Owner"), a corporation existing under and by virtue of the laws of Tennessee, for the use and benefit of those entitled thereto, in the sum of \$ _____ (Dollars) for the payment of which well and truly to be made, in lawful money of the United States we do hereby bind ourselves, successors, assigns, heirs, and personal representatives.

BUT THE CONDITION OF THE FOREGOING OBLIGATION OR BOND IS THIS:

WHEREAS, The Owner has engaged the said Contractor, for the sum of _____ (Dollars) as more fully appears in a written agreement or contract bearing date of _____. A copy of which said agreement or contract is by reference hereby made a part hereof, and it is the desire of the said Owner that the said Contractor shall assume all undertaking under said agreement or contract, and shall assure and protect all laborers and furnishers of material on said work as provided by Chapter 182 of the Acts of the General Assembly of Tennessee of 1899, and any and all amendments thereto, including without being limited to Chapter 121 of the Public Acts of 1923, and Chapter 121 of the Public Acts of 1925, all of which were codified, as required by Tennessee Code Annotated Sections 12-417 through 12-424, as amended, and also independently of said statutes.

NOW, THEREFORE, if the said Contractor shall fully and faithfully perform all undertakings and obligations under the said agreement or contract hereinbefore referred to and shall fully indemnify and save harmless the said Owner from all costs and damage whatsoever which it may suffer by reason of any failure on the part of said Contractor so to do, and shall fully reimburse and repay the said Owner any and all outlay and expense which it may incur in making good any such default, and shall fully pay for all of the labor, materials, and work used by said Contractor any immediate or remote Contractor or Furnisher of material under him in the performance of said Contract, in lawful money of the United States, as the same shall become due, then this obligation or bond shall be null and void, otherwise to remain in full force and effect.

AND, for value received, it is hereby stipulated and agreed that no change, extension of time, alteration to the terms of the said agreement or contract or to the work to be performed thereunder or the specifications accompany the same shall in anywise affect the obligations under this obligation or bond, and notice is hereby waived of any such change, extension of the time, alteration or addition to the terms of the agreement or contract or to the work or to the specifications.

IN WITNESS WHEREOF, the said Contractor has hereunder affixed its signature and said surety has hereunto cause to be affixed its corporate signature and seal, by its duly authorized officers, on this

_____ day of _____, 20 ____.

Company Name

President

ATTEST: _____
Corporate Secretary

SURETY: _____

BY: _____
Attorney in fact

APPROVED:

Chief Executive Officer
Memphis Area Transit Authority

COUNTERSIGNED:

BY: _____
Tennessee Agent

APPROVED:

Legal Counsel
Memphis Area Transit Authority

MEMPHIS AREA TRANSIT AUTHORITY

NO RESPONSE

* PLEASE EITHER PRINT OR TYPE INFORMATION ON THIS FORM *

TO: Memphis Area Transit Authority (MATA)

Our company is submitting a "NO RESPONSE" on IFB# 25-12 purchase Levee Road Roof Replacement for the reason indicated below.

- ☐ Product or service is not available.
 - ☐ Cannot provide required bonds.
 - ☐ Other obligations - cannot make deadline.
 - ☐ Other (please explain below)
-
-

FROM:

Name of Company: _____

Representative: _____

Address: _____

Phone Number: _____

Signature: _____

- ☐ Please keep our name on the Bidder's list for this item.
- ☐ Please remove our name from the Bidder's list for this item.

**FAILURE TO RETURN EITHER A BID OR THIS FORM
MAY RESULT IN REMOVAL FROM THE BIDDER'S LIST.**

BID FORM
IFB 25-12 LEVEE ROAD ROOF REPLACEMENT

DESCRIPTION	EST. QTY	UNIT	UNIT COST	ITEM COST
Operations Bldg.				
Division 1 – General Requirements				
General Conditions		LS		
Division 2 – Demolition				
Remove MB Roof	8,590	SF		
Division 6 – Wood & Plastics				
³ / ₄ " Plywood		SF		
Division 7 – Thermal & Moisture Protection				
4.4" Polyisocyanurate Insulation	8,590	SF		
60 mil TPO fully/adhered		SF		
Tapered Insulation R-30		BF		
Downspouts		LF		
Gutters		LF		
Conductor Heads		EA		
Gravel Guards		LF		
Crickets		BF		
Subtotal				
Total				

The undersigned understands that any condition stated above, clarification made to the above or information submitted on or with this form – other than that requested may render the bid unresponsive.

NAME OF INDIVIDUAL/PARTNER/CORPORATION: _____

ADDRESS: _____

PHONE: _____ FAX _____

EMAIL: _____

BY: _____ TITLE: _____

SIGNATURE: _____

IMPORTANT – BID MUST BE SIGNED

SECTION D
UTILIZATION OF DISADVANTAGED
BUSINESS ENTERPRISES

Utilization of Disadvantaged Business Enterprises

1. **Policy and Terms**

- a. It is the policy of the Memphis Area Transit Authority (MATA) that Disadvantaged Business Enterprises (DBE) as defined in the United States Department of Transportation (USDOT) Regulation 49 C.F.R. Part 26 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds.
- b. Refer to Section A, 8.0 for DBE requirements.
- c. The DBE participation goal shall be expressed as a percentage of the total Contract price. The Bidder may also meet the goal by showing good faith efforts to meet the goal as described in 49 C.F.R. Part 26 and as set forth in Section D. Any evidence of good faith efforts must be submitted with the sealed bid or the bid will be rejected in its entirety.
- d. The DBE participation goal shall apply to the total dollar value of this contract, inclusive of all amendments, modifications, and change orders. The Bidder agrees to make its best efforts to include DBE participation in any contract modification work.
- e. The goal may be met, as further explained in Section D hereof, by the Bidder's status as a DBE, by a joint venture with one or more DBEs, by subcontracting a portion of the work to one or more DBEs, by the purchase of materials used in the performance of the contract from one or more DBEs or by any combination of the above or through a showing of good faith efforts as defined in Section D hereof.
- f. A Bidder who fails to meet the DBE goal and fails to demonstrate sufficient good faith efforts shall not be eligible to be awarded the contract. All documentation of good faith efforts by a Bidder must be included in the envelope or package containing the bid.
- g. MATA prohibits agreements between a Bidder and a DBE in which the DBE promise not to provide subcontracting quotations to other Bidders.

2. **Definitions**

- a. Disadvantaged Business Enterprise (DBE) means a small business concern (a) which is at least 51% owned by one or more socially and economically disadvantaged individuals, or, in the case of any publicly-owned business, at least 51% of the stock of which is owned by one or more socially and economically disadvantaged individuals; and (b) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.
- b. "Good Faith Efforts" means efforts to achieve a DBE contract goal as specified in 49 C.F.R., Part 26 and Section D hereof.
- c. "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 credit for DBE participation may be formed among DBE firms or between a DBE firm and non-DBE firm.
- d. "Small Business Concern" means a small business as defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto, including Title 13 C.F.R., Part 121, except that a small business concern shall not include any

concern or group of concerns controlled by the small socially and economically disadvantaged individual or individuals which has annual average gross receipts in excess of \$16.6 million over the previous three (3) fiscal years, as such figure may thereafter be adjusted by the Secretary of the DOT.

- e. "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, Laos, Cambodia (Kampuchea), the Philippines, Brunei, Samoa, Guam, the U.S. Trust Territories of the Pacific (Republic of Palau), and the Commonwealth or the Northern Marianas Islands, Macao, Fiji, Tonga, Kiribati, Juvalu, Nauru, Federated States of Micronesia or Hong Kong; and
 5. "Subcontinent Asian-Indian Americans" which includes persons whose origins are from India, Pakistan, and 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 Small Business Administration (SBA) at such time as the SBE designation becomes effective.
- f. "USDOT" or "DOT" refers to the U.S. Department of Transportation.

3. 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 firms' participation in the contract. The Compliance Officer, DBE Program, will determine the amount of DBE participation credit based upon an analysis 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 Uniform Certification Agency or the Tennessee Department of Transportation and which perform a commercially useful function. A firm is considered to perform a commercially useful function when it is responsible for the performance of a distinct element of the work and carries out its responsibilities by actually performing, managing, and supervising the work involved.

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

with others.

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

- a. Once a DBE is determined to be eligible in accordance with these rules, the total dollar value of the contract awarded to the DBE may be counted toward the DBE goal except as follows:
- 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 prime contractor subcontracts more than thirty percent (30%) or a significantly greater portion of the work of the contract that 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 toward 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 toward the DBE goal. The Bidder may count sixty percent (60%) of its expenditures for materials 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)(iii).
- 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 Compliance Officer, DBE Program must determine the fee or charge to be reasonable and not excessive as compared with fees or charges customarily allowed for similar services.
- g. 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.

4. DBE Substitutions

- a. Arbitrary changes by the Contractor of the commitments previously indicated in the Schedule of DBE participation are prohibited. No changes may be made to the DBE firms listed on this schedule after the opening of bids but prior to contract award. Further, after entering into each approved DBE subcontract, the Contractor shall neither terminate the subcontract, 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 Compliance Officer, DBE Program. Such approval is required even if the DBE agrees with the change to the DBE's contract desired by the Contractor.
- b. 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 Compliance Officer, DBE Program, in writing, of the proposed substitution of subcontractor. The Contractor's notification must include the specific reasons it intends to reduce the scope of or terminate a DBE subcontract; adequate documentation to support the Contractor's proposed action; and a proposed substitute firm to complete the DBE's portion of work.
2. The following is a non-exclusive list of the types of reasons, which justify substitution: the DBE was found not to be able to perform, or not to be able to perform on time; the DBE's work product was not acceptable; the DBE demands an unreasonable escalation of its price.
3. The following is a non-exclusive list of the types of reason which do not justify substitution: a replacement firm has been recruited by the Contractor to perform the same work under more advantageous terms; performance issues by the DBE were disputed and every reasonable effort to have the dispute resolved or mediated has not been taken; the DBE has requested a reasonable price escalation which may be justified due to unforeseen circumstances (e.g. a change in scope of DBE's work).
4. If the subcontractor to be substituted for the DBE is not a DBE, the Contractor must show adequate good faith efforts as set forth in Section D 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 the contract shall be attached.
6. MATA will evaluate the submitted documentation and respond within ten (10) business days to the request for approval of a substitution. MATA'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 MATA's response. In the case of an expressed emergency need to receive the necessary decision for the sake of job progress, MATA will respond as soon as practicable.
7. Actual substitution by the Contractor may not be made prior to MATA approval. Once notified of MATA approval, the substitute subcontract must be executed within five (5) business days, and a copy submitted to the Compliance Officer, DBE Program.

5. Good Faith Efforts

In order to be responsive, a Bidder must make good faith efforts to meet the DBE participation goal set forth in the contract. The Bidder must document the good faith efforts it made in that regard. Thus, the Bid submitted to MATA must be accompanied by written documentation prepared by the Bidder evidencing all of its reasonable good faith efforts toward fulfilling the goal. These efforts must be active steps, ones that 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 Compliance Officer, 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 are illustrative of factors, which will be considered in judging whether or not the Bidder has made adequate good faith efforts:

- a. Attendance at any pre-bid meetings that were scheduled by MATA to inform DBEs of participation opportunities.
- b. Advertisement in general circulation, trade association, or minority and female-focused media concerning participation opportunities. Adequate time for advertisement and sufficient DBE response will be considered.
- c. Written notification to a reasonable number of specific DBEs that their participation in the contract is solicited in sufficient time to allow them to participate effectively.
- d. Follow-up of initial solicitations of interest by contacting DBEs to determine with certainty if they were interested.
- e. Documentation of efforts to negotiate with DBEs for specific sub-contracts including at a minimum:
 - i. The names, addresses, and telephone numbers of DBEs that were contacted and the date(s) of contract.
 - ii. A description of the information provided to the DBEs regarding the plans and specifications for portions of the work to be performed.
 - iii. A statement explaining why additional agreements with DBEs were not reached.
- f. For each DBE the Bidder contacted but rejected as unqualified, the reason for the Bidder's conclusion. This may include documentation of price comparisons. Receipt of a lower quotation from a non-DBE will not in itself excuse a Bidder's failure to meet the contract goal.
- g. Documentation of efforts made to assist the DBEs contacted that needed assistance in obtaining bonding or insurance required by the Bidder or MATA.
- h. Documentation of efforts to utilize the service of available minority community organizations or other organizations that provides assistance in the recruitment and placement of qualified DBEs.
- i. Documentation that the Bidder selected portions of the work likely to attract DBE participation (including dividing contracts into economically feasible units to facilitate participation).
- j. 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.

Any Bidder which MATA determines to have failed to fulfill the obligations of this section will be deemed non-responsible and will not be eligible for contract award.

MATA will not award a contract to any Bidder who does not meet the contract DBE participation

goal or show good faith efforts to meet the goal. Thus, it is essential that all Bidders submit ALL relevant documentation concerning the DBE goal and/or good faith efforts in the envelope or package containing their sealed bid.

6. Procedure to Determine Bidder Compliance

The Bidder must complete and sign the Letter of Intent to Perform as a DBE. The Letter of Intent must also be signed by any DBEs (prime or subcontractor). A separate Letter of Intent must be included for each DBE included in the bid. It MUST be submitted with 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 a completed and executed Letter of Intent and/or evidence of good faith efforts, if applicable, will be deemed non-responsive and will be rejected by MATA.

a. Letters of Certification

1. A copy of each proposed DBE firm's current Certificate of Certification from the Uniform Certification Agency or the Tennessee Department of Transportation (TDOT) should be attached to the Letter of Intent to Perform as a DBE. **A firm which is in the process of certification or which is not currently certified at the date the proposals are due cannot be counted as a DBE as set forth in 49 CFR Part 26.55.**
2. All DBEs are certified to perform work in a specific specialty or specialties. The DBE firm's scope of work set forth on the Letter of Intent and Schedule of DBE Participation must conform to its stated area of specialization.

b. Joint Ventures

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

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 DBEs 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 MATA to be non-responsive.

7. Reporting Requirements During the Term of the Contract

- a. The Bidder shall, within five (5) business days of contract award, or prior to any work being performed, execute formal subcontracts or purchase orders with the DBE firms included in the bid. These written agreements shall be made available to the Compliance Officer upon request. All contracts between the Bidder and its subcontractors must contain a prompt payment clause as set forth in Section 8 herein.
- b. During the term of the contract, the Bidder shall submit regular "DBE Subcontractor

Payment Status Reports” in a form acceptable to MATA. The frequency with which these reports are to be submitted will be determined by the Compliance Officer but in no event will reports be required less frequently than quarterly. In the absence of written notice from the Compliance Officer, the Bidder’s first “DBE Subcontractor Payment Status Report” will be due sixty (60) days after the date of contract award, with additional reports due monthly thereafter.

- c. The address for the Compliance Officer, DBE Program, is MATA, Attn: Chief Compliance Officer, ADA / DBE Administration, 1370 Levee Road, Memphis, TN 38108.

8. Prompt Payment to Subcontractors

- a. Prime Contractors are required to pay all subcontractors, both DBE and non-DBE, for all work which the subcontractor has satisfactorily completed, no later than ten (10) business days after the prime Contractor received payment from MATA.
- b. In addition, all retainage amounts must be returned by the prime Contractor to the subcontractor no later than fourteen (14) business days after the subcontractor has satisfactorily completed its portion of the contract work.
- c. A delay or postponement of payment to the subcontractor requires good cause and prior written approval of the Compliance Officer and the Project Manager.
- d. All prime Contractors are required to include, in each subcontract, a clause requiring the use of appropriate arbitration mechanisms to resolve all payment disputes.
- e. MATA will not reimburse Contractors for work performed unless and until the prime Contractor ensures that the subcontractors are promptly paid for the work they have performed to date as evidenced by the submittal of the “DBE Subcontractor Payment Status Report” with canceled checks/wire transfers as supporting documentation.
- f. MATA will consider failure to comply with these prompt payment requirements a contract violation, which may lead to any remedies permitted under law, including but not limited to, contract debarment.

9. Enforcement

- a. All Bidders are hereby advised that failure to carry out the requirements set forth above shall constitute a material breach of the contract, and after notification by MATA may result in rejection of the bid or bids; termination of the contract; a deduction from the contract funds due or to become due the contractor; or other such remedy as the MATA deems appropriate. Failure to comply with the DBE requirements shall include but not be limited to failure to meet the established goal, failure to submit documentation of good faith efforts; failure to exert a good faith effort (as determined by MATA) to meet any established DBE participation goal; failure to adhere to DBE substitution requirements; and failure to realize the DBE participation.
- b. If awarded the contract, the Bidder acknowledges and agrees that if MATA determines that the Bidder, a DBE or any other firm retained by the Bidder has failed to comply with the DBE Program requirements or federal or state DBE Program regulations, MATA, through its Contracting Officer, shall have the sole authority and discretion to determine the extent of the monetary value to which the DBE contract goals have not been met, and to assess against and withhold monetary damages from the contractor in the full amount of that breach. MATA may impose any other remedies available at law or provided in the contract in the event of a contract breach. The Bidder further understands and agrees that this

clause authorizes MATA, through MATA's Contracting Officer, to determine and fix the extent of the damages caused by a breach of any contractual or regulatory DBE Program requirement and that the damage assessment will be enforced in addition to, and not in lieu of, any other damages or remedy provisions in the contract. By entering into a contract, the Bidder irrevocably agrees to such an assessment of damages for DBE Program purposes and authorizes MATA to make such an assessment of damages against the Bidder and to collect that assessment from any sums due the Bidder under the contract, or any other contract, or by other legal process. The Bidder makes this certification, agreement and authorization on behalf of itself, its subcontractors and suppliers, and the bid bond and contract bond sureties.

- c. The decision of the Contracting Officer shall be final and conclusive unless, within ten (10) days from the receipt, in writing, of such decision, the Bidder mails or otherwise furnishes to the Contracting Officer an appeal, in writing, addressed to the Chief Executive Officer of MATA. The Chief Executive Officer shall review the dispute, related documents and the Contracting Officer's decision. The Chief Executive Officer may consult with MATA's project manager, the Contracting Officer or any other person deemed necessary by the Chief Executive Officer. The decision of the Chief Executive Officer shall be final and conclusive unless, within 10 days from the date of the receipt of such decision, in writing, the Bidder mails or otherwise furnishes to the Contracting Officer an appeal, in writing, addressed to the Board of the Memphis Area Transit Authority. The decision of the Board or its duly authorized representative for the determination of such appeal shall be final and conclusive unless in proceedings initiated by either party for review of such decision in a court of competent jurisdiction, the Court determines the decision to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith or is not supported by substantial evidence. In connection with any appeal proceeding under this section, the Bidder shall be afforded an opportunity to be heard and to offer evidence in support of its appeal. Pending final decision of a dispute hereunder, the Bidder shall proceed diligently with the performance of the contract and in accordance with the Contracting Officer's decision.

SECTION E

DAVIS BACON WAGE RATES

**DAVIS BACON PREVAILING WAGE RAES WILL APPLY
CERTIFIED PAYROLL RECORDS MUST BE SUBMITTED WEEKLY**

"General Decision Number: TN20250200 06/06/2025

Superseded General Decision Number: TN20240200

State: Tennessee

Construction Type: Building

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories)

Counties: Fayette and Shelby Counties in Tennessee.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658.

Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	Executive Order 14026 generally applies to the contract. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	Executive Order 13658 generally applies to the contract. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this

wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/03/2025
1	06/06/2025

* ASBE0086-002 03/01/2025

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR	\$ 38.17	18.82

CARP0345-001 05/01/2024

	Rates	Fringes
CARPENTER	\$ 30.20	14.74

ELEC0474-002 08/05/2024

	Rates	Fringes
ELECTRICIAN (Excludes Low Voltage Wiring)	\$ 34.90	15.90

IRON0492-002 05/01/2024

	Rates	Fringes
IRONWORKER, ORNAMENTAL	\$ 33.73	17.73
IRONWORKER, REINFORCING	\$ 33.73	17.73
IRONWORKER, STRUCTURAL	\$ 33.73	17.73

SHEE0004-008 01/01/2024

	Rates	Fringes
SHEET METAL WORKER (HVAC Duct Installation Only)	\$ 34.95	16.66
SHEET METAL WORKER (HVAC Unit Installation Only)	\$ 34.95	16.66

SHEE0004-009 01/01/2024

	Rates	Fringes
SHEET METAL WORKER (Excludes HVAC Duct Installation)	\$ 34.95	16.66

* SUTN2017-053 04/16/2021

	Rates	Fringes
BRICKLAYER	\$ 20.00	0.00
CEMENT MASON/CONCRETE FINISHER	\$ 20.25	0.00

ELECTRICIAN (Low Voltage Wiring)	\$ 25.31	9.18
GLAZIER	\$ 16.99 **	3.70
LABORER DEMOLITION	\$ 16.74 **	0.00
LABORER GRADE CHECKER	\$ 13.01 **	0.00
LABORER: Common or General	\$ 13.97 **	1.30
LABORER: Mason Tender – Brick	\$ 13.54 **	0.00
LABORER: Mason Tender - Cement/Concrete	\$ 15.33 **	0.00
LABORER: Pipelayer	\$ 14.99 **	2.41
OPERATOR: Backhoe/Excavator/Trackhoe	\$ 23.06	0.00
OPERATOR: Bobcat/Skid Steer/Skid Loader	\$ 16.84 **	0.00
OPERATOR: Bulldozer	\$ 28.19	9.65
OPERATOR: Crane	\$ 25.70	7.75
OPERATOR: Drill	\$ 26.50	4.09
OPERATOR: Forklift	\$ 15.00 **	0.00
OPERATOR: Paver (Asphalt, Aggregate, and Concrete)	\$ 14.70 **	0.00
OPERATOR: Roller	\$ 14.35 **	0.00
PAINTER (Brush and Roller)	\$ 17.00 **	0.00
PIPEFITTER	\$ 29.54	12.41
PLUMBER	\$ 26.86	10.40
ROOFER	\$ 16.29 **	0.00
TILE FINISHER	\$ 14.00 **	0.00
TILE SETTER	\$ 19.65	0.00
TRUCK DRIVER: Dump Truck	\$ 15.28**	0.00

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date,

6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

SECTION 00800
SUPPLEMENTAL CONDITIONS FOR
CONSTRUCTION

INDEX OF SECTION 00800

- 10. DEFINITION OF TERMS
- 20. SCOPE OF WORK
- 30. CONTROL OF WORK
- 40. CONTROL OF MATERIALS
- 50. PROSECUTION AND PROGRESS
- 60. MEASUREMENT AND PAYMENT

SECTION 10 DEFINITION OF TERMS

Whenever the following terms are used in these specifications, in the contract, in any documents or other instruments pertaining to construction where these specifications govern, the intent and meaning shall be interpreted as follows:

- 10.1 AASHTO. The American Association of State Highway and Transportation Officials, the successor association to AASHO.
- 10.2 ADVERTISEMENT. A public announcement, as required by federal, state and local law, inviting bids for work to be performed and materials to be furnished. Also, an Invitation for Bid (IFB).
- 10.3 ASTM. The American Society for Testing and Materials.
- 10.4 AUTHORITY. The Memphis Area Transit Authority, a public transportation system and transit authority organized and existing under and by virtue of Tennessee Code Annotated 7-56-101, et seq., and Memphis City Code 2-336, et seq.
- 10.5 AWARD. The acceptance, by the OWNER, of the successful BIDDER's proposal.
- 10.6 BID. The written offer of the BIDDER (when submitted on the approved proposal form) to perform the contemplated work and furnish the necessary materials in accordance with the provisions of the DRAWINGS and SPECIFICATIONS.
- 10.7 BID GUARANTY. The security furnished with a bid to guarantee that the bidder will enter into a contract if his/her proposal is accepted by the OWNER.
- 10.8 BIDDER. Any individual, partnership, firm, or corporation, acting directly or through a duly authorized representative, who submits a bid for the work contemplated.
- 10.9 CALENDAR DAY. Every day shown on the calendar.
- 10.10 CHANGE ORDER. A written order to the CONTRACTOR executed by the OWNER and the CONTRACTOR, covering changes in the contract documents, and establishing the basis of payment and contract time adjustment, if any, for the work affected by such changes. The work, covered by a change order, shall be within the scope of the contract.
- 10.11 CONSULTANT. The Architect-Engineer consultants for the Authority. For this project, the Consultants are the City of Memphis Division of Engineering.
- 10.12 CONTRACT. The written agreement covering the WORK to be performed. The awarded contract shall include but is not limited to: The ADVERTISEMENT; The Contract Form; The BID; The PERFORMANCE BOND; The PAYMENT BOND; any required insurance certificates; The SPECIFICATIONS; The DRAWINGS, and any addenda issued to bidders.
- 10.13 CONTRACT CHANGE DIRECTIVE. A written directive to CONTRACTOR issued on or after the Effective Date of the CONTRACT, recommended by the PROJECT MANAGER, ordering an addition, deletion, or revision in the WORK signed by, the PROJECT MANAGER, and/or the CONTRACTING OFFICER.
- 10.14 CONTRACTING OFFICER. The official overseeing this Contract on behalf of the AUTHORITY, and any other employee who is a properly designated Contracting Officer. The term includes, except as otherwise provided in this Contract, the authorized representative of a Contracting Officer acting within the limits of formally delegated authority.

- 10.15 CONTRACT ITEM (PAY ITEM). A specific unit of work for which a price is provided in the Contract.
- 10.16 CONTRACT TIME. The number of calendar days or working days, stated in the proposal, allowed for completion of the Contract, including authorized time extensions. If a calendar date of completion is stated in the proposal, in lieu of a number of calendar or working days, the Contract shall be completed by that date.
- 10.17 CONTRACTOR. The individual, partnership, firm, or corporation primarily liable for the acceptable performance of the work contracted and for the payment of all legal debts pertaining to the work who acts directly or through lawful agents or employees to complete the contract work.
- 10.18 DRAWINGS. The official drawings or exact reproductions which show the location, character, dimensions and details and the work to be done and which are to be considered as a part of the Contract, supplementary to the specifications.
- 10.19 EQUIPMENT. All machinery, together with the necessary supplies for upkeep and maintenance, and also all tools and apparatus necessary for the proper construction and acceptable completion of the WORK.
- 10.20 EXTRA WORK. An item of work not provided for in the awarded contract as previously modified by CHANGE ORDER or SUPPLEMENTAL AGREEMENT, but which is found by the PROJECT MANAGER to be necessary to complete the WORK within the intended scope of the Contract as previously modified. See Changes Article.
- 10.21 FEDERAL SPECIFICATIONS. The Federal Specifications, Standards, supplements, amendments, and indices thereto prepared and issued by the Federal Government.
- 10.22 FEDERAL TRANSIT ADMINISTRATION (FTA). An operating administration of the United States Department of Transportation. FTA is providing substantial financial assistance as to the PROJECT and as to the CONTRACT. Certain FTA requirements contained in or referred to in the CONTRACT are applicable to the CONTRACTOR.
- 10.23 INSPECTOR. An authorized representative of the TPM assigned to make all necessary inspections and/or tests of the work performed or being performed, or of the materials furnished or being furnished by the CONTRACTOR.
- 10.24 INTENTION OF TERMS. Whenever, in these SPECIFICATIONS or on the DRAWINGS, the words "directed," "required," "permitted," "ordered," "designated," "prescribed," "shall," or words of the like import are used, it shall be understood that the direction, requirement, permission, order, designation, or prescription of the CONSULTANT or the TPM is intended; and similarly, the words "approved," "acceptable," "satisfactory," or words of like import, shall mean approved by, or acceptable to, or satisfactory to the CONSULTANT or the TPM, subject in each case to the final determination of the OWNER.
- Any reference to a specific requirement of a numbered paragraph of the contract specifications or a cited standard shall be interpreted to include all general requirements of the entire section, specification item, or cited standard that may be pertinent to such specific reference.
- 10.25 LABORATORY. The official testing laboratories of the OWNER or such other laboratories as may be designated by the OWNER or CONSULTANT.
- 10.26 MAJOR AND MINOR CONTRACT ITEMS. A major contract item shall be any item that is listed in the proposal, the total cost of which is equal to or greater than 20 percent of the total amount of the award contract. All other items shall be considered minor Contract items.

- 10.27 MATERIALS. Any substance specified for use in the construction of the Contract WORK.
- 10.28 NOTICE TO PROCEED. A written notice to the CONTRACTOR to begin the actual Contract WORK on a previously agreed to date. If applicable, the Notice to Proceed shall state the date on which the contract time begins.
- 10.29 OWNER (AUTHORITY). The term OWNER shall mean the party of the first part or the contracting agency signatory to the CONTRACT.
- 10.30 PAVEMENT. The combined surface course, base course, and subbase course, if any, considered as a single unit.
- 10.31 PAYMENT BOND. The approved form of security furnished by the CONTRACTOR and his/her surety as a guaranty that he will pay in full all bills and accounts for materials and labor used in the construction of the WORK.
- 10.32 PERFORMANCE BOND. The approved form of security furnished by the CONTRACTOR and his/her surety as a guaranty that the CONTRACTOR will complete the work in accordance with the terms of the CONTRACT.
- 10.33 PROJECT. The agreed scope of work.
- 10.34 PROJECT MANAGER. The PROJECT MANAGER is the individual representing the OWNER's Contracting Officer's Technical Representative (COTR) for this project.
- 10.35 RAIL OPERATIONS MANAGERS AND SUPERVISORS. CONTRACTOR shall comply with all orders and requirements issued by AUTHORITY Rail Operations Managers and Supervisors. This includes all AUTHORITY staff and individuals with rail management duties and oversight such as the Assistant General Manager of Operations, Director of Rail Operations, Manager of Rail Operations, Manager of Rail Maintenance, Rail Maintenance Supervisor, Trolley Foreman, Security Manager, Senior Manager of Training & Safety, Road Supervisors, or other staff designated by the Chief Executive Officer.
- 10.36 TECHNICAL PROJECT MANAGER (TPM). The individual, partnership, firm, joint venture, or corporation duly authorized by the OWNER (sponsor) to be responsible for engineering supervision of the contract WORK and acting directly or through an authorized representative. The TECHNICAL PROJECT MANAGER for this PROJECT is Karl Johnson with Memphis Area Transit Authority Trolley Division.
- 10.37 SUPERINTENDENT. The CONTRACTOR's executive representative who is present on the work during progress, authorized to receive and fulfill instructions from the TPM, and who shall supervise and direct the construction.
- 10.38 SPECIFICATIONS. A part of the CONTRACT containing the written directions and requirements for completing the contract WORK. Standards for specifying materials or testing which are cited in the contract SPECIFICATIONS by reference shall have the same force and effect as if included in the contract physically.
- 10.39 SUBGRADE. The soil which forms the pavement foundation.
- 10.40 SUBSTANTIAL COMPLETION. The time at which the WORK (or a specified part thereof) has progressed to the point where, in the opinion of the TPM, the WORK (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the WORK (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the WORK refer to

SUBSTANTIAL COMPLETION thereof.

- 10.41 SUPPLEMENTAL AGREEMENT. A written agreement between the CONTRACTOR and the OWNER covering: (1) work that would increase or decrease the total amount of the awarded CONTRACT, or any MAJOR CONTRACT ITEM, by more than 25 percent, such increased or decreased work being within the scope of the originally awarded CONTRACT; or (2) work that is not within the scope of the originally awarded CONTRACT.
- 10.42 SURETY. The corporation, partnership, or individual, other than the CONTRACTOR, executing PAYMENT or PERFORMANCE BONDS which are furnished to the OWNER by the CONTRACTOR.
- 10.43 WORK. The furnishing of all labor, materials, tools, equipment, and incidentals necessary or convenient to the CONTRACTOR's performance of all duties and obligations imposed by the CONTRACT, DRAWINGS, and SPECIFICATIONS.

SECTION 20 SCOPE OF WORK

20.1 CONTRACT DOCUMENTS.

20.1.1 Intent of the Contract documents:

a. The intent of the Contract Documents is to prescribe the construction and completion of the WORK. Where the Contract DRAWINGS and SPECIFICATIONS describe portions of the WORK in general terms, but not in complete detail, the best general practice shall be followed, and only new materials and workmanship of best standard quality shall be used. Unless otherwise specified, the CONTRACTOR shall furnish all labor, materials, tools, equipment and incidentals which are necessary to complete the WORK in a proper, substantial and worker-like way.

b. Throughout the SPECIFICATIONS, requirements have been specified for Contract performance. Each such Contract item is mandatory and shall be performed by the CONTRACTOR.

c. Reference to any article or paragraph within the SPECIFICATIONS shall imply reference to all subparagraphs thereunder.

20.1.2 Elements of the Contract Documents:

a. The Contract Documents: The Executed CONTRACT, the Contract DRAWINGS, General Provisions, Special Provisions, the Contract SPECIFICATIONS, all Addenda, all CHANGE ORDERS, all CONTRACT CHANGE DIRECTIVES and all SUPPLEMENTAL AGREEMENTS.

b. Contract DRAWINGS: The official drawings or exact reproductions which show the location, character, dimensions and details and the work to be done and which are to be considered as a part of the Contract, supplementary to the specifications.

c. General Provisions: Compilation of contractual and legal requirements. In case of variance between the General Provisions, the Special Conditions and/or the Technical Provisions, the General Provisions shall take precedence.

d. Special Provisions, General Requirements, and Technical Provisions: Project requirements and technical specifications which include materials and construction requirements.

e. Addendum (Amendment): A document which is added to the original bidding documents during the bidding period to clarify, revise, add to or delete from the original documents or previous addenda.

f. CHANGE ORDER: A written order to the CONTRACTOR executed by the OWNER and the CONTRACTOR, covering changes in the contract documents, and establishing the basis of payment and contract time adjustment, if any, for the work affected by such changes. The work, covered by a CHANGE ORDER, shall be within the scope of the CONTRACT.

g. CONTRACT CHANGE DIRECTIVE: A written directive to CONTRACTOR issued on or after the Effective Date of the CONTRACT, recommended by the TPM, ordering an addition, deletion, or revision in the WORK signed by the TPM, the PROJECT MANAGER, and/or the CONTRACTING OFFICER.

h. SUPPLEMENTAL AGREEMENT: A written agreement between the CONTRACTOR and the OWNER covering: (1) work that would increase or decrease the total

amount of the awarded CONTRACT, or any MAJOR CONTRACT ITEM, by more than 25 percent, such increased or decreased work being within the scope of the originally awarded CONTRACT; or (2) work that is not within the scope of the originally awarded CONTRACT.

20.1.3 SPECIFICATION and DRAWINGS:

a. The CONTRACTOR shall keep on the work a copy of the DRAWINGS and SPECIFICATIONS and shall at all times give the TPM and the PROJECT MANAGER access thereto.

b. Omissions: Anything mentioned in the SPECIFICATIONS and not shown on the DRAWINGS or shown on the DRAWINGS and not mentioned in the SPECIFICATIONS, shall be of like effect as if shown or mentioned in both.

c. Discrepancies:

- (1) In case of discrepancy between DRAWINGS and SPECIFICATIONS, the SPECIFICATIONS shall govern.
- (2) In case of discrepancy in the figures, in the DRAWINGS or in the SPECIFICATIONS, the matter shall be promptly submitted to the TPM who shall promptly make a determination in writing.
- (3) Any adjustment by the CONTRACTOR without such a determination shall be at his own risk and expense.

d. The CONTRACTING OFFICER shall furnish from time to time such detail drawings and other information as he may consider necessary unless otherwise provided.

20.2 CHANGES.

a. The CONTRACTING OFFICER may, at any time, without notice to the sureties, by written order designated or indicated to be a CHANGE ORDER, make any change in the work within the general scope of the CONTRACT including, but not limited to, changes:

- (1) In the SPECIFICATIONS, including DRAWINGS and designs;
- (2) In the method or manner of performance of the WORK;
- (3) In the AUTHORITY-furnished facilities, equipment, materials, services, or site; or
- (4) Directing acceleration in the performance of work.

b. Any other written order, including direction, instruction, interpretation or determination from the CONTRACTING OFFICER, which causes any such change, shall be treated as a CHANGE ORDER under this Article, provided that the CONTRACTOR gives the CONTRACTING OFFICER written notice stating the date, circumstances and source of the order and that the CONTRACTOR regards the order as a CHANGE ORDER.

c. Except as herein provided, no order, statement or conduct of the CONTRACTING OFFICER shall be treated as a change under this Article or entitle the CONTRACTOR to an equitable adjustment hereunder.

d. If any change under this Article causes an increase or decrease in the CONTRACTOR's cost of, or the time required for, the performance of any part of the WORK under this CONTRACT, whether

or not a change by any order, an equitable adjustment shall be made and the CONTRACT modified in writing accordingly; provided, however, that except for claims based on defective SPECIFICATIONS, no claim for any change under Paragraph b. above shall be allowed for any costs incurred more than 20 days before the CONTRACTOR gives written notice as therein required, and provided further, that in the case of defective SPECIFICATIONS for which the AUTHORITY is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the CONTRACTOR in attempting to comply with such defective SPECIFICATIONS.

e. If the CONTRACTOR intends to assert a claim for an equitable adjustment under this Article, he must, within 30 days after receipt of a written CHANGE ORDER under Paragraph a. above or the furnishing of a written notice under Paragraph b. above, submit to the CONTRACTING OFFICER a written statement setting forth the general nature and monetary extent of such claim, unless this period is extended by the AUTHORITY. The statement of claim hereunder may be included in the notice under b. above.

f. No claim by the CONTRACTOR for an equitable adjustment hereunder shall be allowed if asserted after final payment under this CONTRACT.

20.3 DIFFERING SITE CONDITIONS.

a. The CONTRACTOR shall promptly, and before such conditions are disturbed, notify the TPM in writing of the following:

- (1) Subsurface or latent physical conditions at the site differing materially from those indicated in this CONTRACT.
- (2) Unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this CONTRACT.

The TPM will promptly cause the investigation of the conditions, and if it is found that such conditions do materially so differ and cause an increase or decrease in the CONTRACTOR's cost of, or the time required for, performance of any part of the work under this CONTRACT, whether or not changed as a result of such conditions, an equitable adjustment shall be made, and the CONTRACT modified in writing accordingly.

b. No claim of the CONTRACTOR under this Article shall be allowed unless the CONTRACTOR has given the notice required in Paragraph a. above; provided, however, the time prescribed therefor may be extended by CONTRACTING OFFICER.

c. No claim by the CONTRACTOR for an equitable adjustment hereunder shall be allowed if asserted after final payment under this CONTRACT.

20.4 VALUE ENGINEERING INCENTIVE.

a. This Article applies to those Value Engineering Change Proposals (VECPs) which are initiated and developed by the CONTRACTOR to change the DRAWINGS, SPECIFICATIONS or other requirements of this CONTRACT. In order to be accepted under this Article each VECP shall:

- (1) Be identified by the CONTRACTOR at the time of submittal to the CONTRACTING OFFICER as submitted pursuant to this Article;
- (2) Require a change to this CONTRACT.
- (3) Decrease the Contract price and possibly the performance period; and

- (4) Maintain the item's required functions such as service life, reliability, economy of operation, ease of maintenance and necessary standardized features and appearance, and not require an unacceptable extension of CONTRACT TIME.
- (5) Be reviewed and approved by the CONSULTANT and/or the TPM.

b. Any VECP the CONTRACTOR submits shall be in sufficient detail to clearly define the proposed change including:

- (1) A description of the difference between the existing and the proposed Contract requirements, and the comparative advantages and disadvantages of each;
- (2) Contract requirements recommended to be changed if the proposal is accepted;
- (3) A detailed estimate of the amount of the net savings, as defined in Paragraph d. that will result from acceptance of the proposal;
- (4) A prediction of any effects the proposed change would have on costs of maintenance and operation; and
- (5) A statement of the time by which the proposal must be accepted so as to obtain the maximum price reduction, noting any effect upon the Contract completion time.

c. (1) The CONTRACTING OFFICER may accept or reject part or all of any VECP by giving the CONTRACTOR written notice thereof. Until such notice is issued, the CONTRACTOR shall remain obligated to perform in accordance with the terms of the CONTRACT. VECPS will be processed expeditiously; however, the AUTHORITY shall not be liable for any delay in acting upon any proposal submitted pursuant to this Article. The decision of the CONTRACTING OFFICER as to acceptance of any such proposal shall be final and shall not be subject to the DISPUTES Article of this CONTRACT.

- (2) The CONTRACTOR has the right to withdraw part or all of any VECP at any time prior to acceptance by the CONTRACTING OFFICER. Such withdrawal shall be made in writing to the CONTRACTING OFFICER. Each VECP submitted by the CONTRACTOR shall remain valid for a period of 60 days from date submitted, unless extended by mutual agreement. If the CONTRACTOR desires to withdraw the proposal prior to the expiration of this period, he shall be liable for the cost incurred by the AUTHORITY in reviewing the proposal.

d. When a VECP submitted pursuant to this Article is accepted:

- (1) An equitable adjustment in the Contract price and in any other affected provisions of the CONTRACT shall be made and the CONTRACT modified in accordance with this Article and the CHANGES or other applicable Articles of this Contract.
- (2) The net savings resulting from the change shall be shared between the CONTRACTOR and the AUTHORITY on the basis of 50 percent for the CONTRACTOR and 50 percent for the AUTHORITY. Net savings shall be determined by deducting from the estimated gross savings, the CONTRACTOR's costs of developing and implementing the proposal, including any amount attributable to a sub-contractor, and the estimated amount of increased costs to the AUTHORITY resulting from the change, such as implementation, inspection, related items and AUTHORITY-furnished property. Estimated gross savings shall include CONTRACTOR's labor, material, equipment, overhead, profit and bond. The Contract price shall be reduced by the sum of the AUTHORITY's costs and share of the net savings.

- (3) The CONTRACTOR is entitled to share in instant Contract savings only, to the full extent provided for in this Article. For purposes of sharing under Paragraph d. (1) above, the term 'instant contract' shall not include any SUPPLEMENTAL AGREEMENTS to or other modifications of this CONTRACT, executed subsequent to acceptance of the particular VECP, by which the AUTHORITY increases the quantity of any item or adds any item.

e. The CONTRACTOR will use his best efforts to include Value Engineering arrangements in any subcontracts, which in his judgment, appears to offer sufficient value engineering potential.

f. A VECP identical to one submitted under any other contract, by this or any other contractor, may also be submitted under this CONTRACT.

g. The CONTRACTOR may restrict the AUTHORITY's right to use any VECP data by marking it with the following statement:

"This data, furnished pursuant to the VALUE ENGINEERING Article of this CONTRACT, shall not be duplicated, used or disclosed, in whole or in part, for any purpose except to evaluate the VECP, unless the proposal is accepted by the AUTHORITY. This restriction does not limit the AUTHORITY's right to use information contained in this data if it is or has been obtained, or is otherwise available, from the CONTRACTOR or from other source, without limitations. When this proposal is accepted by the AUTHORITY, the AUTHORITY shall have the right to duplicate, use and disclose any data in any manner and for any purpose whatsoever, and have others do so whether under this or any other AUTHORITY contract."

20.5 VARIATIONS IN ESTIMATED QUANTITIES.

a. The OWNER reserves and shall have the right to make such alterations in the WORK as may be necessary or desirable to complete the work originally intended in an acceptable manner. Unless otherwise specified herein, the TPM shall be and is hereby authorized to make such alterations in the WORK as may increase or decrease the originally awarded contract quantities, provided that the aggregate of such alterations does not change the total cost or the total cost of any MAJOR CONTRACT ITEM by more than 25 percent (total cost being based on the unit prices and estimated quantities in the awarded contract). Alterations which do not exceed the 25 percent limitation shall not invalidate the CONTRACT nor release the surety, and the CONTRACTOR agrees to accept payment for such alterations as if the altered work had been a part of the original CONTRACT. These alterations which are for work within the general scope of the CONTRACT shall be covered by "CHANGE ORDERS" issued by the TPM. CHANGE ORDERS for altered work shall include extensions of Contract time where, in the TPM's opinion, such extensions are commensurate with the amount and difficulty of added work and the added work is on the identified critical completion path for the CONTRACT.

20.6 OMITTED ITEMS.

a. The TPM may, in the OWNER's best interest, omit from the WORK any contract item, except MAJOR CONTRACT ITEMS. MAJOR CONTRACT ITEMS May be omitted by a SUPPLEMENTAL AGREEMENT. Such omission of contract items shall not invalidate any other contract provision or requirement.

20.7 CLAIMS FOR ADJUSTMENT AND DISPUTES.

a. Except as otherwise provided in this CONTRACT, any dispute concerning a question of fact arising under this CONTRACT which is not disposed of by agreement shall be decided by the CONTRACTING OFFICER, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the CONTRACTOR. The CONTRACTING OFFICER may consult with the PROJECT MANAGER and/or the TPM. The decision of the CONTRACTING OFFICER shall be final and conclusive unless, within

10 days from the receipt of such copy, the CONTRACTOR mails or otherwise furnishes to the CONTRACTING OFFICER a written appeal addressed to the Chief Executive Officer of MATA. The Chief Executive Officer shall review the dispute, any related documents and the CONTRACTING OFFICER's Final Decision. The Chief Executive Officer may consult with the TPM, the PROJECT MANAGER and/or the CONTRACTING OFFICER. The decision of the Chief Executive Officer shall be final and conclusive unless, within 10 days from the date of the receipt of such copy, the CONTRACTOR mails or otherwise furnishes to the CONTRACTING OFFICER a written appeal addressed to the MATA Board of Commissioners. The decision of the Board or its duly authorized representative for the determination of such appeals shall be final and conclusive unless in proceedings initiated by either party for review of such decision in a court of competent jurisdiction, the Court determines the decision to have been fraudulent, capricious, arbitrary, or so grossly erroneous as necessarily to imply bad faith or is not supported by substantial evidence. In connection with any appeal proceeding under this Article, the CONTRACTOR shall be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the CONTRACTOR shall proceed diligently with the performance of the CONTRACT and in accordance with the CONTRACTING OFFICER's or Chief Executive Officer's decision.

b. This DISPUTES Article does not preclude consideration of questions of law in connection with decisions provided for in Paragraph a. above. Nothing in this CONTRACT, however, shall be construed as making final the decisions of the Board or its representative on a question of law.

20.8 MAINTENANCE OF TRAFFIC.

a. When the CONTRACT requires the maintenance of vehicular traffic on an existing road, street, or highway during the CONTRACTOR's performance of work that is otherwise provided for in the Contract, DRAWINGS, and SPECIFICATIONS, the CONTRACTOR shall keep such road, street, or highway open to all traffic and shall provide such maintenance as may be required to accommodate traffic. The CONTRACTOR shall furnish, erect, and maintain barricades, warning signs, flagmen, and other traffic control devices in reasonable conformity with the manual of Uniform Traffic Control Devices for Streets and Highways (published by the United States Government Printing Office), unless otherwise specified herein. The CONTRACTOR shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways. Unless otherwise specified herein, the CONTRACTOR will not be required to furnish snow removal for such existing road, street, or highway.

b. The CONTRACTOR shall make his/her own estimate of all labor, materials, equipment, and incidentals necessary for providing the maintenance of vehicular traffic as specified in this subsection.

c. The cost of maintaining the vehicular traffic specified in this subsection shall not be measured or paid for directly but shall be included in the various contract items.

20.9 BARRICADES, WARNING SIGNS, AND HAZARD MARKINGS.

a. The CONTRACTOR shall furnish, erect, and maintain all barricades, warning signs, and markings for hazards necessary to protect the public and the WORK. When used during periods of darkness, such barricades, warning signs, and hazard markings shall be suitably illuminated.

b. For vehicular and pedestrian traffic, the CONTRACTOR shall furnish, erect, and maintain suitable barricades, warning signs, lights and other traffic control devices.

c. The CONTRACTOR shall furnish, erect, and maintain suitable markings and associated lighting of open trenches, excavations, temporary stockpiles, and his/her parked construction equipment that may be hazardous to the operation of emergency fire-rescue or maintenance vehicles.

d. The CONTRACTOR shall identify each motorized vehicle or piece of construction equipment.

e. The CONTRACTOR shall furnish and erect all barricades, warning signs, and markings for hazards prior to commencing work which requires such erection and shall maintain the barricades, warning signs, and markings for hazards until their dismantling is approved by the TPM.

20.10 REMOVAL OF EXISTING STRUCTURES.

a. All existing structures encountered within the established lines, grades, or grading sections shall be removed by the CONTRACTOR, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the WORK or to remain in place. The cost of removing such existing structures shall not be measured or paid for directly but shall be included in the various contract items.

b. Should the CONTRACTOR encounter an existing structure (above or below ground) in the WORK for which the disposition is not indicated on the DRAWINGS, the TPM shall be notified prior to disturbing such structure. The disposition of existing structures so encountered shall be in accordance with the CONTRACT article 0800-20.03 titled DIFFERING SITE CONDITIONS.

c. Except as provided in the subsection titled RIGHTS IN AND USE OF MATERIALS FOUND IN THE WORK of this section, it is intended that all existing materials or structures that may be encountered (within the lines, grades, or grading sections established for completion of the WORK) shall be utilized in the WORK as otherwise provided for in the CONTRACT and shall remain the property of the OWNER when so utilized in the WORK.

20.11 RIGHTS IN AND USE OF MATERIALS FOUND IN THE WORK.

a. Should the CONTRACTOR encounter any material such as (but not restricted to) sand, stone, gravel, slag, or concrete slabs within the established lines, grades, or grading sections, the use of which is intended by the terms of the CONTRACT to be either embankment or waste, he may at his/her option either:

- (1) Use such material in another contract item, providing such use is approved by the TPM and is in conformance with the Contract SPECIFICATIONS applicable to such use; or,
- (2) Remove such material from the site, upon written approval of the TPM; or
- (3) Use such material for his/her own temporary construction on site; or,
- (4) Use such material as intended by the terms of the CONTRACT.

Should the CONTRACTOR wish to exercise option (1), (2), or (3), he shall request the TPM's approval in advance of such use.

b. Should the TPM approve the CONTRACTOR's request to exercise option (1), (2), or (3), the CONTRACTOR shall be paid for the excavation or removal of such material at the applicable Contract price. The CONTRACTOR shall replace, at his/her own expense, such removed or excavated material with an agreed equal volume of material that is acceptable for use in constructing embankment, backfills, or otherwise to the extent that such replacement material is needed to complete the Contract WORK. The CONTRACTOR shall not be charged for his/her use of such material so used in the WORK or removed from the site.

c. Should the TPM approve the CONTRACTOR's exercise of option (1), the CONTRACTOR shall be paid, at the applicable Contract price, for furnishing and installing such material in accordance with requirements of the contract item in which the material is used.

d. It is understood and agreed that the CONTRACTOR shall make no claim for delays by reason of his/her exercise of option (1), (2), or (3).

e. The CONTRACTOR shall not excavate, remove, or otherwise disturb any material, structure, or part of a structure which is located outside the lines, grades, or grading sections established for the WORK, except where such excavation or removal is provided for in the Contract, DRAWINGS, or SPECIFICATIONS.

20.12 FINAL CLEANING UP.

a. Upon completion of the WORK and before acceptance and final payment will be made, the CONTRACTOR shall remove from the site all machinery, equipment, surplus and discarded materials, rubbish, temporary structures, and stumps or portions of trees. He shall cut all brush and woods within the limits indicated and shall leave the site in a neat and presentable condition. Material cleared from the site and deposited on adjacent property will not be considered as having been disposed of satisfactorily, unless the CONTRACTOR has obtained the written permission of such property owner.

20.13 RESTORATION OF SURFACES DISTURBED BY OTHERS.

a. The OWNER reserves the right to authorize the construction, reconstruction, or maintenance of any public or private utility service, or a utility service of another government agency at any time during the progress of the work. To the extent that such construction, reconstruction, or maintenance has been coordinated with the OWNER, such authorized work (by others) is indicated in the CONTRACT, DRAWINGS, and SPECIFICATIONS.

b. Except as provided for in the CONTRACT, DRAWINGS, and SPECIFICATIONS, the CONTRACTOR shall not permit any individual, firm, or corporation to excavate or otherwise disturb such utility services or facilities located within the limits of the WORK without the written permission of the TPM.

c. Should the owner of public or private utility service, or a utility service of another government agency be authorized to construct, reconstruct, or maintain such utility service or facility during the progress of the WORK, the CONTRACTOR shall cooperate with such owners by arranging and performing the WORK in this CONTRACT so as to facilitate such construction, reconstruction or maintenance by others. When ordered as extra work by the TPM, the CONTRACTOR shall make all necessary repairs to the WORK which are due to such authorized work by others, unless otherwise provided for in the CONTRACT, DRAWINGS, and SPECIFICATIONS. It is understood and agreed that the CONTRACTOR shall not be entitled to make any claim for damages due to such authorized work by others or for any delay to the work resulting from such authorized work.

SECTION 30 CONTROL OF WORK

30.1 AUTHORITY OF THE TPM.

a. Authority of the TPM shall be formally delegated by the OWNER, and generally the TPM shall decide any and all questions which may arise as to the quality and acceptability of materials furnished, work performed, and as to the manner of performance and rate of progress of the work. He shall decide all questions which may arise as to the interpretation of the SPECIFICATIONS or DRAWINGS relating to the WORK, the fulfillment of the CONTRACT on the part of the CONTRACTOR, and the rights of different contractors on the project. The TPM shall determine the amount and quality of the several kinds of work performed and materials furnished which are to be paid for under the contract.

30.2 CONFORMITY WITH DRAWINGS AND SPECIFICATIONS.

a. All work and all materials furnished shall be in reasonably close conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified (including specified tolerances) in the CONTRACT, DRAWINGS, and SPECIFICATIONS.

b. If the TPM finds the materials furnished, work performed, or the finished product not within reasonably close conformity with the DRAWINGS and SPECIFICATIONS but that the portion of the WORK affected will, in his/her opinion, result in a finished product having a level of safety, economy, durability, and workmanship acceptable to the OWNER, he will advise the OWNER of his/her determination that the affected WORK be accepted and remain in place. In this event, the TPM will document his/her determination and recommend to the OWNER a basis of acceptance which will provide for an adjustment in the Contract price for the affected portion of the WORK. The TPM's determination and recommended Contract price adjustments will be based on good engineering judgment and such tests or retests of the affected WORK as are, in his/her opinion, needed. Changes in the Contract price shall be covered by Contract modifications (CHANGE ORDER or SUPPLEMENTAL AGREEMENT) as applicable.

c. If the TPM finds the materials furnished, work performed, or the finished product are not in reasonably close conformity with the DRAWINGS and SPECIFICATIONS and have resulted in an unacceptable finished product, the affected WORK or materials shall be removed and replaced or otherwise corrected by and at the expense of the CONTRACTOR in accordance with the TPM's written orders.

d. For the purpose of this subsection, the term "reasonably close conformity" shall not be construed as waiving the CONTRACTOR's responsibility to complete the WORK in accordance with the CONTRACT, DRAWINGS, and SPECIFICATIONS. The term shall not be construed as waiving the TPM's right to insist on strict compliance with the requirements of the CONTRACT, DRAWINGS, and SPECIFICATIONS during the CONTRACTOR's prosecution of the WORK, when, in the TPM's opinion, such compliance is essential to provide an acceptable finished portion of the WORK.

e. For the purpose of this subsection, the term "reasonably close conformity" is also intended to provide the TPM with the authority to use good engineering judgment in his/her determinations as to acceptance of work that is not in strict conformity but will provide a finished product equal to or better than that intended by the requirements of the CONTRACT, DRAWINGS, and SPECIFICATIONS.

30.3 COORDINATION OF CONTRACT, DRAWINGS, AND SPECIFICATIONS.

a. The CONTRACT, DRAWINGS, and SPECIFICATIONS, and all referenced standards cited are essential parts of the CONTRACT requirements. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; contract technical SPECIFICATIONS shall govern over contract general provisions, DRAWINGS, and cited standards for materials or testing; contract general provisions shall govern over DRAWINGS and cited standards for

materials or testing; DRAWINGS shall govern over cited standards for materials or testing.

b. The CONTRACTOR shall not take advantage of any apparent error or omission on the DRAWINGS or SPECIFICATIONS. In the event the CONTRACTOR discovers any apparent error or discrepancy, he shall immediately call upon the TPM for his/her interpretation and decision, and such decision shall be final.

30.4 OPENING SECTIONS OF THE WORK TO TRAFFIC.

a. Should it be necessary for the CONTRACTOR to complete portions of the Contract WORK for the beneficial occupancy of the OWNER prior to completion of the entire CONTRACT, such "phasing" of the work shall be specified herein and indicated on the DRAWINGS. When so specified, the CONTRACTOR shall complete such portions of the WORK on or before the date specified or as otherwise specified. The CONTRACTOR shall make his/her own estimate of the difficulties involved in arranging his/her work to permit such beneficial occupancy by the OWNER. Upon completion of any "phasing" of the work specified herein and indicated on the DRAWINGS, such portion shall be accepted by the OWNER in accordance with the subsection titled PARTIAL ACCEPTANCE in this Section.

b. No portion of the WORK may be opened by the CONTRACTOR for public use until ordered by the TPM in writing. Should it become necessary to open a portion of the WORK to public traffic on a temporary or intermittent basis, such openings shall be made when, in the opinion of the TPM, such portion of the WORK is in an acceptable condition to support the intended traffic. Temporary or intermittent openings are considered to be inherent in the WORK and shall not constitute either acceptance of the portion of the work so opened or a waiver of any provision of the CONTRACT. Any damage to the portion of the WORK so opened that is not attributable to traffic which is permitted by the OWNER shall be repaired by the CONTRACTOR at his/her expense.

c. The CONTRACTOR shall make his/her own estimate of the inherent difficulties involved in completing the WORK under the conditions herein described and shall not claim any added compensation by reason of delay or increased cost due to opening a portion of the contract WORK.

30.5 COOPERATION OF CONTRACTOR.

a. The CONTRACTOR will be supplied with an electronic copy of the DRAWINGS and SPECIFICATIONS. He shall have available on the work at all times one hard copy each of the DRAWINGS and SPECIFICATIONS.

b. The CONTRACTOR shall give constant attention to the WORK to facilitate the progress thereof, and he shall cooperate with the TPM and his/her inspectors and with other contractors in every way possible. The TPM shall allocate the work and designate the sequence of construction in case of controversy between contractors. The CONTRACTOR shall have a competent superintendent on the work at all times who is fully authorized as his/her agent on the WORK. The superintendent shall be capable of reading and thoroughly understanding the DRAWINGS and SPECIFICATIONS and shall receive and fulfill instructions from the TPM or his/her authorized representative.

30.6 COOPERATION BETWEEN CONTRACTORS.

a. The OWNER reserves the right to contract for and perform other or additional work on or near the WORK covered by this CONTRACT.

b. The CONTRACTOR shall conduct his/her work in accordance with the Phasing Plan relating to this PROJECT, and further so as not to unduly disrupt or inconvenience merchants adjacent to and in the vicinity of the WORK, vehicular traffic and pedestrian traffic. The CONTRACTOR shall conduct his/her work so as not to interfere with or hinder the progress or completion of the work being performed by other contractors. Contractors working on the same project shall cooperate with each other as directed.

c. Each contractor involved shall assume all liability, financial or otherwise, in connection with his/her contract and shall protect and save harmless the OWNER from any and all damages or claims that may arise because of inconvenience, delays, or loss experienced by him because of the presence and operations of other contractors working within the limits of the same project.

d. The CONTRACTOR shall arrange his/her work and shall place and dispose of the materials being used so as not to interfere with the operations of the other contractors within the limits of the same project. The CONTRACTOR shall join his/her work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others.

30.7 CONSTRUCTION LAYOUT AND STAKES.

a. Horizontal and vertical control data is shown in the Contract Documents. The CONTRACTOR must establish all layout required for the construction of the WORK. Such stakes and markings as the TPM and/or the CONSULTANT may set for either his/her own or the CONTRACTOR's guidance shall be preserved by the CONTRACTOR. In case of negligence on the part of the CONTRACTOR, or his/her employees, resulting in the destruction of such stakes or markings, an amount equal to the cost of replacing the same may be deducted from subsequent estimates due the CONTRACTOR at the discretion of the TPM.

30.8 AUTOMATICALLY CONTROLLED EQUIPMENT.

a. Whenever batching or mixing plant equipment is required to be operated automatically under the CONTRACT and a breakdown or malfunction of the automatic controls occurs, the equipment may be operated manually or by other methods for a period 48 hours following the breakdown or malfunction, provided this method of operations will produce results which conform to all other requirements of the CONTRACT.

30.9 AUTHORITY AND DUTIES OF INSPECTORS.

a. The OWNER through the TPM and/or the CONSULTANT reserves the right and shall be at liberty to inspect all materials and workmanship at any time during the manufacturing or fabrication process and shall have the right to reject all materials and workmanship which do not conform to the SPECIFICATIONS, provided however, the OWNER is under no duty to make such inspections and if such inspection is made, the CONTRACTOR shall not be relieved of any obligations to furnish materials and workmanship strictly in accordance with SPECIFICATIONS.

b. If the Contract Documents, the written instructions of the OWNER, or its TPM, laws, ordinances, rules or regulations, or any public authority require any of the WORK to be specifically tested or inspected, the CONTRACTOR shall give the TPM timely notice of its readiness for inspection and testing, and if the test or inspection is performed by an authority other than the OWNER, of the date set for such test or inspection. Inspections by the OWNER shall be promptly made and, where practicable, at the source of supply. After notice by the CONTRACTOR to the TPM herein if any of the WORK is covered up contrary to the direction of the TPM or any necessary authority, it shall be uncovered for examination, if required by the TPM or such other authority, at the sole expense of the CONTRACTOR.

c. Re-examination of questioned WORK that has been previously inspected by the OWNER may be ordered by the TPM and, if so ordered, the questioned Work shall be uncovered by the CONTRACTOR. If such WORK is found to be in compliance with Contract Documents, the OWNER shall pay the actual cost of the re-examination. If such WORK is found not to be in compliance with the Contract Documents, the CONTRACTOR shall bear the costs of the re-examination.

30.10 INSPECTION OF THE WORK.

a. All materials and each part or detail of the WORK shall be subject to inspection by the

TPM. The TPM shall be allowed access to all parts of the WORK and shall be furnished with such information and assistance by the CONTRACTOR as is required to make a complete and detailed inspection.

b. If the TPM requests it, the CONTRACTOR, at any time before acceptance of the WORK, shall remove or uncover such portions of the finished WORK as may be directed. After examination, the CONTRACTOR shall restore said portions of the WORK to the standard required by the SPECIFICATIONS. Should the WORK thus exposed or examined prove acceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be paid for as extra work; but should the WORK so exposed or examined prove unacceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be at the CONTRACTOR's expense.

c. Any work done or materials used without supervision or inspection by an authorized representative of the OWNER may be ordered removed and replaced at the CONTRACTOR's expense unless the OWNER's representative failed to inspect after having been given reasonable notice in writing that the work was to be performed.

d. Should the contract work include relocation, adjustment, or any other modification to existing facilities, not the property of the (contract) OWNER, authorized representatives of the owners of such facilities shall have the right to inspect such work. Such inspection shall in no sense make any facility owner a party to the CONTRACT and shall in no way interfere with the rights of the parties to this CONTRACT.

30.11 REMOVAL OF UNACCEPTABLE AND UNAUTHORIZED WORK.

a. All WORK which does not conform to the requirements of the CONTRACT, DRAWINGS, and SPECIFICATIONS will be considered unacceptable, unless otherwise determined acceptable by the TPM as provided in the subsection titled CONFORMITY WITH DRAWINGS AND SPECIFICATIONS of this section.

b. Unacceptable WORK, whether the result of poor workmanship, use of defective materials, damage through carelessness, or any other cause found to exist prior to the final acceptance of the WORK, shall be removed immediately and replaced in an acceptable manner in accordance with the provisions of the subsection titled CONTRACTOR'S RESPONSIBILITY FOR WORK of this section.

c. Work done contrary to the instructions of the TPM, work done beyond the lines shown on the DRAWINGS or as given, except as herein specified, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the CONTRACT. Work so done may be ordered removed or replaced at the CONTRACTOR's expense.

d. Upon failure on the part of the CONTRACTOR to comply forthwith with any order of the TPM made under the provisions of this subsection, the TPM will have authority to cause unacceptable work to be remedied or removed and replaced and unauthorized work to be removed and to deduct the costs (incurred by the OWNER) from any monies due or to become due the CONTRACTOR.

30.12 LOAD RESTRICTIONS.

a. The CONTRACTOR shall comply with all legal load restrictions in the hauling of materials on public roads beyond the limits of the WORK. A special permit will not relieve the CONTRACTOR of liability for damage which may result from the moving of material or equipment.

b. The operation of equipment of such weight or so loaded as to cause damage to structures or existing basements or to any other type of construction will not be permitted. Hauling of materials over the base course or surface course under construction shall be limited as directed. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The CONTRACTOR

shall be responsible for all damage done by his/her hauling equipment and shall correct such damage at his/her own expense.

30.13 MAINTENANCE DURING CONSTRUCTION.

a. The CONTRACTOR shall maintain the WORK during construction and until the WORK is accepted. This maintenance shall constitute continuous and effective work prosecuted day by day, with adequate equipment and forces so that the WORK is maintained in satisfactory condition at all times.

b. In the case of a contract for the placing of a course upon a course or subgrade previously constructed, the CONTRACTOR shall maintain the previous course or subgrade during all construction operations.

c. All costs of maintenance work during construction and before the project is accepted shall be included in the unit prices bid on the various contract items, and the CONTRACTOR will not be paid an additional amount for such work.

30.14 FAILURE TO MAINTAIN THE WORK.

a. Should the CONTRACTOR at any time fail to maintain the WORK as provided in the subsection titled MAINTENANCE DURING CONSTRUCTION of this section, the TPM shall immediately notify the CONTRACTOR of such noncompliance. Such notification shall specify a reasonable time within which the CONTRACTOR shall be required to remedy such unsatisfactory maintenance condition. The time specified will give due consideration to the exigency that exists.

b. Should the CONTRACTOR fail to respond to the TPM's notification, the TPM may suspend any work necessary for the OWNER to correct such unsatisfactory maintenance condition, depending on the exigency that exists. Any maintenance cost incurred by the OWNER shall be deducted from monies due or to become due the CONTRACTOR.

30.15 CONTRACTOR'S RESPONSIBILITY FOR WORK.

a. Until the PROJECT MANAGER's final written acceptance of the entire completed WORK, excepting only those portions of the WORK accepted in accordance with the subsection titled PARTIAL ACCEPTANCE in this Section, the CONTRACTOR shall have the charge and care thereof and shall take every precaution against injury or damage to any part due to the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the WORK. The CONTRACTOR shall rebuild, repair, restore, and make good all injuries or damages to any portion of the WORK occasioned by any of the above causes before FINAL ACCEPTANCE and shall bear the expense thereof except damage to the WORK due to unforeseeable causes beyond the control of and without the fault or negligence of the CONTRACTOR, including but not restricted to acts of God such as earthquake, tidal wave, tornado, hurricane or other cataclysmic phenomenon of nature, or acts of the public enemy or of government authorities.

b. If the WORK is suspended for any cause whatever, the CONTRACTOR shall be responsible for the WORK and shall take such precautions necessary to prevent damage to the WORK. The CONTRACTOR shall provide for normal drainage and shall erect necessary temporary structures, signs, or other facilities at his/her expense. During such period of suspension of WORK, the CONTRACTOR shall properly and continuously maintain in an acceptable growing condition all living material in newly established planting, seedings, and soddings furnished under his/her CONTRACT, and shall take adequate precautions to protect new tree growth and other important vegetative growth against injury.

c. The TPM shall not be responsible for the methods and means employed by the CONTRACTOR in the performance of the CONTRACTOR's work. The TPM shall have no responsibility for the safety of workers and others who may be injured during the course of the CONTRACTOR's work.

30.16 CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE AND FACILITIES OF OTHERS.

a. As provided in the subsection titled RESTORATION OR SURFACES DISTURBED BY OTHERS of this section, the CONTRACTOR shall cooperate with the owner of any public or private utility service, or a utility service of another government agency that may be authorized by the OWNER to construct, reconstruct or maintain such utility services or facilities during the progress of the WORK. In addition, the CONTRACTOR shall control his/her operations to prevent the unscheduled interruption of such utility services and facilities.

b. To the extent that such public or private utility services, or utility services of another governmental agency are known to exist within the limits of the contract work, the approximate locations have been indicated on the DRAWINGS.

It is understood and agreed that the OWNER does not guarantee the accuracy or the completeness of the location information relating to existing utility services, facilities, or structures that may be shown on the DRAWINGS or encountered in the WORK. Any inaccuracy or omission in such information shall not relieve the CONTRACTOR of his/her responsibility to protect such existing features from damage or unscheduled interruption of service.

c. It is further understood and agreed that the CONTRACTOR shall, upon execution of the CONTRACT, notify the owners of all utility services or other facilities of his/her plan of operations. Such notification shall be in writing addressed to THE PERSON TO CONTACT as provided by the TPM. A copy of each notification shall be given to the TPM.

d. In addition to the general written notification hereinbefore provided, it shall be the responsibility of the CONTRACTOR to keep such individual owners advised of changes in his/her plan of operations that would affect such owners.

e. Prior to commencing the work in the general vicinity of an existing utility service or facility, the CONTRACTOR shall again notify each such owner of his/her plan of operation. If, in the CONTRACTOR's opinion, the owner's assistance is needed to locate the utility service or facility or the presence of a representative of the owner is desirable to observe the work, such advice should be included in the notification. Such notification shall be given by the most expeditious means to reach the utility owner's PERSON TO CONTACT no later than two normal business days prior to the CONTRACTOR's commencement of operations in such general vicinity. The CONTRACTOR shall furnish a written summary of the notification to the TPM.

f. The CONTRACTOR's failure to give the two days' notice hereinabove provided shall be cause for the TPM to suspend the CONTRACTOR's operations in the general vicinity of a utility service or facility.

g. Where the outside limits of an underground utility service have been located and staked on the ground, the CONTRACTOR shall be required to use excavation methods acceptable to the TPM, including hand excavation, within three feet (90 cm) of such outside limits at such points as may be required to ensure protection from damage due to the CONTRACTOR's operations.

h. Should the CONTRACTOR damage or interrupt the operation of a utility service or facility by accident or otherwise, he shall immediately notify the proper authority and the TPM and shall take all reasonable measures to prevent further damage or interruption of service. The CONTRACTOR, in such events, shall cooperate continuously with the utility service or facility owner and the TPM until such damage has been repaired and service restored to the satisfaction of the utility or facility owner.

i. The CONTRACTOR shall bear all costs of damage and restoration of service to any utility service or facility due to his/her operations whether or not due to negligence or accident. The contract OWNER reserves the right to deduct such costs from any monies due or which may become due the

CONTRACTOR or his/her surety.

30.17 SANITARY, HEALTH, AND SAFETY PROVISIONS.

a. The CONTRACTOR shall provide and maintain in a neat, sanitary condition such accommodations for the use of his/her employees as may be necessary to comply with the requirements of the state and local Board of Health, or of other bodies or tribunals having jurisdiction.

b. Attention is directed to Federal, state and local laws, rules and regulations concerning construction safety and health standards. The CONTRACTOR shall not require any worker to work in surroundings or under conditions which are unsanitary, hazardous, or dangerous to his/her health or safety.

30.18 PUBLIC CONVENIENCE AND SAFETY.

a. The CONTRACTOR shall control his/her operations and those of his/her subcontractors and all suppliers, to assure the least inconvenience to the traveling public. Under all circumstances, safety shall be the most important consideration.

b. The CONTRACTOR shall maintain the free and unobstructed movement of pedestrian and vehicular traffic with respect to his/her own operations and those of his/her subcontractors and all suppliers in accordance with the subsection titled MAINTENANCE OF TRAFFIC of Section 20 hereinbefore specified and shall limit such operations for the convenience and safety of the public.

30.19 PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE.

a. The CONTRACTOR shall be responsible for the preservation of all public and private property and shall protect carefully from disturbance or damage all land monuments and property markers until the TPM has witnessed or otherwise referenced their location and shall not move them until directed.

b. The CONTRACTOR shall be responsible for all damage or injury to property of any character, during the prosecution of the WORK, resulting from any act, omission, neglect, or misconduct in his/her manner or method of executing the WORK, or at any time due to defective work or materials, and said responsibility will not be released until the project shall have been totally completed and finally accepted.

c. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work by the CONTRACTOR, or in consequence of the non-execution thereof, the CONTRACTOR shall restore, at his/her own expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, or otherwise restoring as may be directed, or the CONTRACTOR shall make good such damage or injury in an acceptable manner.

30.20 PARTIAL ACCEPTANCE.

a. If at any time during the prosecution of the PROJECT the CONTRACTOR substantially completes a usable unit or portion of the WORK, the occupancy of which will benefit the OWNER, he may request the TPM to make final inspection of that unit. If the TPM finds upon inspection that the unit has been satisfactorily completed in compliance with the CONTRACT, he may accept it as being completed, and the CONTRACTOR may be relieved of further responsibility for that unit. Such partial acceptance and beneficial occupancy by the OWNER shall not void or alter any provision of the CONTRACT.

30.21 FINAL ACCEPTANCE.

a. Upon due notice from the CONTRACTOR of presumptive completion of the entire PROJECT, the TPM and OWNER will make an inspection. If all construction provided for and contemplated

by the CONTRACT is found to be completed in accordance with the CONTRACT, DRAWINGS, and SPECIFICATIONS, such inspection shall constitute the final inspection. The TPM shall notify the CONTRACTOR in writing of final acceptance as of the date of the final inspection.

b. If, however, the inspection discloses any work, in whole or in part, as being unsatisfactory, the TPM will give the CONTRACTOR the necessary instructions for correction of same and the CONTRACTOR shall immediately comply with and execute such instructions. Upon correction of the work, another inspection will be made which shall constitute the final inspection, provided the work has been satisfactorily completed. In such event, the TPM will make the final acceptance and notify the CONTRACTOR in writing of this acceptance as of the date of final inspection.

SECTION 50 PROSECUTION AND PROGRESS

50.1 SUBCONTRACTS - DEFINITION.

a. As used in the Contract Documents, a "Subcontractor" is a person or organization that has a contract with the CONTRACTOR to perform any portion of the WORK, including but not limited to, design or engineering, or to furnish any equipment or materials to the Project.

b. As used in the Contract Documents, a "Sub-Subcontractor" is a person or organization that has a direct or indirect contract with the Subcontractor to perform any portion of the work, including but not limited to design or engineering, or to furnish any equipment or materials to the Project.

c. As set forth in the Contract Documents, any and all responsibility of the CONTRACTOR for the coordination, scheduling, performance, price and work of its subcontractors shall be deemed to include the responsibility for the coordination, scheduling, performance, price and work of those entities having direct contracts with the OWNER pursuant to this CONTRACT and who are performing any portion of the WORK.

50.2 SUBCONTRACTORS.

a. No Contractual Relationship with the AUTHORITY. Nothing contained in the Contract Documents or otherwise, including but not limited to the pre-award review process set forth in the Contract Documents, shall create any contractual relationship between the OWNER and any Subcontractor or Sub-Subcontractor, and no subcontract or sub-subcontract shall relieve the CONTRACTOR of its responsibilities and obligations should any subcontractor or sub-subcontractor fail to perform its work in a satisfactory manner. The CONTRACTOR agrees to be as fully responsible to the AUTHORITY for the acts and omissions of its subcontractors and their sub-subcontractors and of persons either directly or indirectly employed by them as it is for the acts and omissions of persons directly employed by it.

b. Subcontract Terms. All portions of the WORK performed by a Subcontractor or Sub-Subcontractor shall be pursuant to an appropriate written agreement between the CONTRACTOR and the Subcontractor (and where appropriate between Subcontractors and Sub-Subcontractors) which shall contain provisions that:

- (1) preserve and protect the rights of the AUTHORITY under the Contract Documents with respect to the portion of the WORK to be performed under the Subcontract (or Sub-Subcontract) so that the sub-contracting will not prejudice such rights;
- (2) require that such work be performed in accordance with the requirements of the Contract Documents;
- (3) require submission to the CONTRACTOR of written applications for payment under each subcontract to which the CONTRACTOR is a party;
- (4) require that all requests for extension of time or otherwise with respect to subcontracted portions of the work shall be submitted to the CONTRACTOR (via any Subcontractor or Sub-Subcontractor where appropriate) in sufficient time so that the CONTRACTOR may comply in the manner provided in the Contract Documents for like requests by the CONTRACTOR upon the OWNER; and
- (5) obligate each Subcontractor or Sub-Subcontractor specifically to consent to the provisions entitled EQUAL EMPLOYMENT OPPORTUNITY; DAVIS-BACON ACT; CONTRACT WORK HOURS AND SAFETY STANDARDS ACT - OVERTIME COMPENSATION; APPRENTICES AND TRAINEES; PAYROLLS AND BASIC RECORDS; COMPLIANCE

WITH COPELAND ANTI-KICKBACK ACT REGULATIONS; WITHHOLDING OF FUNDS; SUBCONTRACTS; CONTRACT TERMINATION - DEBARMENT; PROGRESS SCHEDULE; EXTENSION OF SUBSTANTIAL OR FINAL COMPLETION DATE; LIMITATION OF DAMAGES; RIGHT TO AUDIT; and TERMINATION WITHOUT CAUSE.

50.3 PROJECT MANAGEMENT AND SUPERINTENDENCE BY CONTRACTOR.

a. The CONTRACTOR shall provide project management and personal superintendence to the work. The CONTRACTOR shall employ a full-time project manager satisfactory to the CONTRACTING OFFICER, who shall have the authority to act for the CONTRACTOR in all matters relating to the performance of the work, including but not limited to, control and supervision of site employees, schedule control, and contract administration. The CONTRACTOR shall also employ a competent foreman or superintendent, satisfactory to the CONTRACTING OFFICER, to provide specialized assistance to the project manager. The project manager and superintendent are to be separate employees present on the work full-time during progress of the CONTRACT.

50.4 NOTICE TO PROCEED.

a. The Notice to Proceed shall state the date on which it is expected the CONTRACTOR will begin the construction and from which date contract time will be charged. The CONTRACTOR shall begin the work to be performed under the contract within 10 days of the date set by the TPM in the written notice to proceed, but in any event, the CONTRACTOR shall notify the TPM at least 24 hours in advance of the time actual construction operations will begin.

50.5 PROSECUTION AND PROGRESS.

a. Unless otherwise specified, the CONTRACTOR shall submit his/her baseline schedule for the TPM's approval within 10 working days after the effective date of the Notice to Proceed. The CONTRACTOR's progress schedule, when approved by the TPM, may be used to establish major construction operations and to check on the progress of the work. The CONTRACTOR shall provide sufficient materials, equipment, and labor to guarantee the completion of the project in accordance with the DRAWINGS and SPECIFICATIONS within the time set forth in the proposal.

b. If the CONTRACTOR falls significantly behind the submitted schedule, the CONTRACTOR shall, upon the TPM's request, submit a revised schedule for completion of the work within the Contract time and modify his/her operations to provide such additional materials, equipment, and labor necessary to meet the revised schedule. Should the prosecution of the work be discontinued for any reason, the CONTRACTOR shall notify the TPM at least 24 hours in advance of resuming operations.

c. The CONTRACTOR shall not commence any actual construction prior to the date on which the Notice to Proceed is issued by the TPM.

50.6 CHARACTER OF WORKERS, METHODS, AND EQUIPMENT.

a. The CONTRACTOR shall, at all times, employ sufficient labor and equipment for prosecuting the work to full completion in the manner and time required by the CONTRACT, DRAWINGS, and SPECIFICATIONS.

b. All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special work or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily, and shall have applicable licenses.

c. All equipment which is proposed to be used on the work shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of

work. Equipment used on any portion of the work shall be such that no injury to previously completed work, adjacent property, existing facilities will result from its use.

d. When the methods and equipment to be used by the CONTRACTOR in accomplishing the work are not prescribed in the CONTRACT, the CONTRACTOR is free to use any methods or equipment that will accomplish the work in conformity with the requirements of the CONTRACT, DRAWINGS, and SPECIFICATIONS.

e. When the Contract specifies the use of certain methods and equipment, such methods and equipment shall be used unless others are authorized by the TPM. If the CONTRACTOR desires to use a method or type of equipment other than that specified in the CONTRACT, he may request approval from the TPM to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed and the reasons for desiring to make the change. If approval is given, it will be on the condition that the CONTRACTOR will be fully responsible for producing work in conformity with CONTRACT requirements. If, after trial use of the substituted methods or equipment, the TPM determines that the work produced does not meet CONTRACT requirements, the CONTRACTOR shall discontinue the use of the substitute method or equipment and shall complete the remaining work with the specified methods and equipment. The TPM will forward the revised decision in writing to the CONTRACTOR. The CONTRACTOR shall remove any deficient work and replace it with work of specified quality or take such other corrective action as the TPM may direct. No change will be made in basis of payment for the contract items involved nor in contract time as a result of authorizing a change in methods or equipment under this subsection.

50.7 TEMPORARY SUSPENSION OF THE WORK.

a. The TPM shall have the authority to suspend the work wholly, or in part, for such period or periods as he may deem necessary, due to unsuitable weather, or such other conditions as are considered unfavorable for the prosecution of the work, or for such time as is necessary due to the failure on the part of the CONTRACTOR to carry out orders given or perform any or all provisions of the CONTRACT.

b. In the event that the CONTRACTOR is ordered by the TPM, in writing, to suspend work for some unforeseen cause not otherwise provided for in the CONTRACT and over which the CONTRACTOR has no control, the CONTRACTOR may be reimbursed for actual money expended on the work during the period of shutdown. No allowance will be made for anticipated profits. The period of shutdown shall be computed from the effective date of the TPM's order to suspend work to the effective date of the TPM's order to resume the Work. Claims for such compensation shall be filed with the TPM within the time period stated in the TPM's order to resume work. The CONTRACTOR shall submit with his/her claim information substantiating the amount shown on the claim. The TPM will forward the CONTRACTOR's claim to the OWNER for consideration in accordance with local laws or ordinances. No provision of this Article shall be construed as entitling the CONTRACTOR to compensation for delays due to inclement weather, for suspensions made at the request of the CONTRACTOR, strikes, or for any other delay provided for in the CONTRACT, DRAWINGS, and SPECIFICATIONS.

c. If it should become necessary to suspend work for an indefinite period, the CONTRACTOR shall store all materials in such manner that they will not become an obstruction nor become damaged in any way. He shall take every precaution to prevent damage or deterioration of the work performed and provide for normal drainage of the work.

50.8 EXTENSION OF SUBSTANTIAL OR FINAL COMPLETION DATE.

a. The SUBSTANTIAL or FINAL COMPLETION dates shall be extended only for such number of calendar days that the work is actually delayed by a casualty, a CHANGE ORDER, a default by the AUTHORITY or Force Majeure which is defined as follows: an act or neglect of the AUTHORITY or by any separate contractor employed by the AUTHORITY to perform work outside the scope of this CONTRACT, labor disputes, fire, unusual delay in transportation, or any causes beyond the reasonable control of CONTRACTOR (herein "Excusable Delays"). No extensions to the SUBSTANTIAL

COMPLETION date shall be granted due to the negligence or fault of the CONTRACTOR or its Subcontractors, (including any contractors or subcontractors employed by the AUTHORITY and whose performance and work is subject to the supervision and control of CONTRACTOR). Inclement weather (normal precipitation and normal temperature variance) will not be considered cause for extension of the SUBSTANTIAL COMPLETION date. However, abnormal precipitation or abnormal temperature variance as defined in subsection (c) hereof will be considered as a cause for extension of the SUBSTANTIAL COMPLETION date.

b. In order to obtain an extension of the SUBSTANTIAL COMPLETION date due to an Excusable Delay, the CONTRACTOR in each instance shall give written notice to the TPM within ten (10) days after the occurrence of each Excusable Delay, and upon the failure of the CONTRACTOR to do so, its right, if any, to an extension will be considered waived. The parties agree that in the event of a continuing delay one (1) notice, so long as said notice identifies the delay to be continuing, shall be sufficient. The AUTHORITY shall render a written decision which shall be made in good faith and shall be conclusive upon the parties, granting or refusing the request of the CONTRACTOR for an extension within a reasonable time after receipt of the request for a time extension.

c. Determination of the number of days allowable for unusually severe weather shall be as follows:

- (1) Extra time is allowable for unusually severe weather. The term unusually severe weather is defined to be that weather beyond the expected norm. In order to determine the number of days of the time extension to be allowed for unusually severe weather, the U.S. Weather Bureau's Local Climatological Data reports shall be used. The reports shall be from the U.S. Weather Station closest to the construction site.

The reports to be used are [a] monthly "Local Climatological Data" and [b] annual "Local Climatological Data with Comparative Data." All requests for time extensions based on unusually severe weather shall include two copies of these reports for all months and years covering the construction time from the beginning date to the date of the request, not just the months involved in the delay.

- (2) For purposes of determining the number of days allowable, a comparison shall be made of the precipitation figure in the "Current Year" tabulation and the "Normals" tabulation of the annual Comparative Data report. A time extension shall be granted for the number of days that the precipitation in the current year exceeded the norm as defined by the U.S. Weather Bureau's Local Climatological Data reports. A time extension for unusually severe weather, as defined herein will only be granted when the work being performed at the time of the unusually severe weather is materially affected by the unusually severe weather.

50.9 FAILURE TO COMPLETE ON TIME.

a. For each calendar day or working day, as specified in the CONTRACT, that any work remains uncompleted after the Contract time (including all extensions and adjustments as provided in the subsection titled EXTENSIONS OF SUBSTANTIAL OR FINAL COMPLETION DATE of this Section) the sum specified in the CONTRACT and proposal as liquidated damages will be deducted from any money due or to become due the CONTRACTOR or his/her surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages that will be incurred by the OWNER should the CONTRACTOR fail to complete the work in the time provided in his/her Contract.

b. Permitting the CONTRACTOR to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the OWNER of any of its rights under the Contract.

50.10 DEFAULT AND TERMINATION OF CONTRACT.

a. The CONTRACTOR shall be considered in default of his/her CONTRACT and such default will be considered as cause for the OWNER to terminate the CONTRACT for any of the following reasons if the CONTRACTOR:

- (1) Fails to begin the Work under the CONTRACT within 15 days after date of ``Notice to Proceed," or
- (2) Fails to perform the WORK or fails to provide sufficient workers, equipment or materials to assure completion of WORK in accordance with the terms of the CONTRACT, or
- (3) Performs the WORK unsuitably or neglects or refuses to remove materials or to perform anew such WORK as may be rejected as unacceptable and unsuitable, or
- (4) Discontinues the performance of the WORK for 15 days, or
- (5) Fails to resume WORK which has been discontinued within 10 days after notice to do so, or
- (6) Becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency, or
- (7) Allows any final judgment to stand against him unsatisfied for a period of 10 days, or
- (8) Makes an assignment for the benefit of creditors, or
- (9) For any other cause whatsoever, fails to carry on the work in an acceptable manner, or
- (10) Fails to pay Subcontractors promptly for work performed.
- (11) Any other material breach of the CONTRACT.

b. Should the PROJECT MANAGER consider the CONTRACTOR in default of the CONTRACT for any reason hereinbefore, he shall immediately give written notice to the CONTRACTOR and the CONTRACTOR's surety as to the reasons for considering the CONTRACTOR in default and the OWNER's intentions to terminate the Contract.

c. If the CONTRACTOR or surety, within a period of 10 days after such notice, does not proceed in accordance therewith, then the OWNER will, upon written notification from the PROJECT MANAGER of the facts of such delay, neglect, or default and the CONTRACTOR's failure to comply with such notice, have full power and authority without violating the CONTRACT, to take the prosecution of the WORK out of the hands of the CONTRACTOR. The OWNER may appropriate or use any or all materials and equipment that have been mobilized for use in the WORK and are acceptable and may enter into an agreement for the completion of said CONTRACT according to the terms and provisions thereof or use such other methods as in the opinion of the PROJECT MANAGER will be required for the completion of said CONTRACT in an acceptable manner.

d. All costs and charges incurred by the OWNER, together with the cost of completing the WORK under CONTRACT, will be deducted from any monies due or which may become due the CONTRACTOR. If such expense exceeds the sum which would have been payable under the CONTRACT, then the CONTRACTOR and the surety shall be liable and shall pay to the OWNER the amount of such excess.

50.11 ASSIGNMENT OF SUBCONTRACTS.

a. In the event of termination by the AUTHORITY pursuant to this Article 50, the AUTHORITY

may require the CONTRACTOR promptly to assign to it all of some subcontracts, materials, tools, equipment to be installed under this CONTRACT, or rental agreements, and any other commitments which the AUTHORITY, in its sole discretion, chooses to take by assignment. In such event, the CONTRACTOR shall promptly execute and deliver to the AUTHORITY written assignments of such commitments.

50.12 WARRANTIES OF THE CONTRACTOR.

a. Warranty of Title. The CONTRACTOR warrants and guarantees that title to all WORK, materials and equipment covered by an Application and Certificate for Payment, whether incorporated in the WORK or not, will pass to the AUTHORITY upon the receipt of payment by the CONTRACTOR, free and clear of all liens, claims, security interests or encumbrances (herein "Liens") and that none of the WORK, materials or equipment covered by an Application and Certificate for Payment will have been part of the WORK or furnishing materials and equipment for the WORK, subject to an agreement under which a Lien is retained by the seller or supplier.

b. Special Warranties. When special guarantees or warranties are required by the Contract Documents for specific parts of the WORK, the CONTRACTOR shall procure copies of such guarantees or warranties, countersign them and submit them to the AUTHORITY in triplicate. Delivery of such guarantees or warranties will not relieve the CONTRACTOR from any obligations assumed under any provision of this CONTRACT or the Contract Documents.

c. Assignment of Warranties. The CONTRACTOR hereby assigns to the AUTHORITY any and all existing assignable warranties, service life policies and patent indemnities of manufacturers of materials, equipment or items incorporated in the WORK. Upon the request of the AUTHORITY, the CONTRACTOR shall provide the AUTHORITY with assistance in enforcing the rights of the AUTHORITY arising under such warranties, service life policies and patent indemnities. At the request of the AUTHORITY, the CONTRACTOR shall give notice (with copies to the AUTHORITY) to any such manufacturers of the assignment of such warranties, service life policies and patent indemnities.

d. General Warranty and Correction of Work.

- (1) In addition to any special guarantees or warranties, contained in the Contract Documents, the CONTRACTOR warrants to the AUTHORITY that all materials and equipment furnished in performance of the WORK will be new unless otherwise specified, that all WORK will be of good quality, free from material faults and defects and in conformance with the Contract Documents, and that all plans, architectural drawings, engineering drawings and specifications prepared or furnished by CONTRACTOR shall be free from material faults or defects and shall provide for a complete and operational PROJECT as defined in the Contract Documents. All work, including, but not limited to design and engineering work, not so conforming to these standards shall be considered defective.
- (2) The CONTRACTOR shall promptly correct all defective work to the standards of this CONTRACT and the Contract Documents whether observed before or after the SUBSTANTIAL COMPLETION date and whether or not fabricated, installed or completed. The CONTRACTOR shall bear all costs of correcting such defective work.
- (3) Warranties shall commence on the date(s) of SUBSTANTIAL COMPLETION. If, within one (1) year after the SUBSTANTIAL COMPLETION date or within such longer period of time as may be prescribed by law in effect at the time this CONTRACT is executed or by the terms of any applicable special guarantee or warranty required by the Contract Documents, any of the WORK is found to be defective and not in accordance with the Contract Documents, the CONTRACTOR shall correct it promptly after receipt of a written notice from the AUTHORITY to do so.

- (4) All defective or non-conforming WORK shall be removed from the site of the WORK if necessary, and the WORK shall be corrected to comply with the Contract Documents without cost to the AUTHORITY. The CONTRACTOR also shall bear the cost of making good all work of other contractors destroyed or damaged by removal or correction of the defective WORK of CONTRACTOR.
- (5) CONTRACTOR will pay all costs for additional WORK required to correct faulty materials or workmanship within guaranteed period, including all WORK damaged or new WORK created, as a result of defective WORK. Nothing herein intends or implies that guarantee shall apply to WORK which has been abused, neglected or otherwise damaged by the AUTHORITY or its successor in interest. In case CONTRACTOR fails to do so-ordered corrective work, the AUTHORITY may have the work done and charge cost thereof against retainage as provided for in the CONTRACT; and if said retainage shall be insufficient to pay such cost, the CONTRACTOR and his/her sureties agree to pay to the AUTHORITY the cost of such Work.
- (6) In addition to the foregoing warranty, a warranty period of one (1) year shall apply to workmanship under the same terms and conditions as the original warranty, to any WORK, supplied in correction of the defective Work under warranty or the property of the AUTHORITY pursuant to the provisions of this Section 50 and the CONTRACTOR shall assign to the AUTHORITY any warranties, including extended warranties, as to materials or designs furnished in the performance of such correction of defective WORK. For each item of defective WORK corrected hereunder by CONTRACTOR, such warranty period shall commence on the date the corrective WORK is finally accepted by the OWNER.

SECTION 60 MEASUREMENT AND PAYMENT

60.1 MEASUREMENT OF QUANTITIES.

a. All WORK completed under the CONTRACT will be measured by the TPM, or his/her authorized representatives, using United States Customary Units of Measurement or the International System of Units.

b. The method of measurement and computations to be used in determination of quantities of material furnished and Work performed under the CONTRACT will be those methods generally recognized as conforming to good engineering practice.

c. Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures (or leave-outs) having an area of nine square feet (0.8 square meter) or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the DRAWINGS or ordered in writing by the TPM.

d. Structures will be measured according to neat lines shown on the DRAWINGS or as altered to fit field conditions.

e. Unless otherwise specified, all CONTRACT items which are measured by the linear foot such as electrical ducts, conduits, pipe culverts, underdrains, and similar items shall be measured parallel to the base or foundation upon which such items are placed.

f. In computing volumes of excavation, the average end area method or other acceptable methods will be used.

g. The thickness of plates and galvanized sheet used in the manufacture of corrugated metal pipe, metal plate pipe culverts and arches, and metal cribbing will be specified and measured in decimal fraction of inches.

h. The term "lump sum" when used as an item of payment will mean complete payment for the work described in the CONTRACT.

i. When a complete structure or structural unit (in effect, "lump sum" work) is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.

j. Rental of equipment will be measured by time in hours of actual working time and necessary traveling time of the equipment within the limits of the Work. Special equipment ordered by the TPM in connection with force account work will be measured as agreed in the CHANGE ORDER or SUPPLEMENTAL AGREEMENT authorizing such force account work as provided in the subsection 0800-60.09 titled PAYMENT FOR FORCE ACCOUNT WORK of this section.

k. When the estimated quantities for a specific portion of the WORK are designated as the pay quantities in the CONTRACT, they shall be the final quantities for which payment for such specific portion of the WORK will be made, unless the dimensions of said portions of the WORK shown on the DRAWINGS are revised by the TPM. If revised dimensions result in an increase or decrease in the quantities of such WORK, the final quantities for payment will be revised in the amount represented by the authorized changes in the dimensions.

60.2 SCOPE OF PAYMENT.

a. The CONTRACTOR shall receive and accept compensation provided for in the CONTRACT as full payment for furnishing all materials, for performing all WORK under the CONTRACT in

a complete and acceptable manner, and for all risk, loss, damage, or expense of whatever character arising out of the nature of the WORK or the prosecution thereof, subject to the provisions of the subsection titled NO WAIVER OF LEGAL RIGHTS of Section 00700.

b. When the "basis of payment" subsection of a Technical SPECIFICATIONS requires that the Contract Price (price bid) include compensation for certain work or material essential to the item, this same work or material will not also be measured for payment under any other CONTRACT item which may appear elsewhere in the CONTRACT, DRAWINGS, and SPECIFICATIONS.

60.3 PARTIAL PAYMENTS.

a. Partial payments will be made at least once each month as the work progresses. Said payments will be based only upon written estimates prepared by the CONTRACTOR, and agreed to by the TPM, of the value of the WORK performed and materials complete in place in accordance with the CONTRACT, DRAWINGS, and SPECIFICATIONS. Such partial payments may also include the delivered actual Cost of those materials stockpiled and stored in accordance with the subsection titled PAYMENT FOR MATERIALS ON HAND of this Section. Such partial payments may not include requests for payment of amounts that the CONTRACTOR does not intend to pay to a Subcontractor or Vendor. The CONTRACTOR agrees that title to all work covered by the Application for Payment will pass to the OWNER no later than the date of payment.

b. From the total of the amount determined to be payable on a partial payment, five percent of such total amount will be deducted and deposited into an interest-bearing escrow account until the final payment is made or until there is written agreement among the parties to reduce the retainage. The balance (95 percent) of the amount payable, less all previous payments, shall be certified for payment. The OWNER agrees to pay 30 days after the presentation of an Acceptable Application for Payment to the PROJECT MANAGER.

c. The CONTRACTOR agrees to pay all Subcontractors promptly after receipt of payment from the OWNER for such WORK that was included in the Application for Payment in accordance with the agreement between the CONTRACTOR and Subcontractors. The CONTRACTOR further agrees to include the prompt pay requirement in its agreement with Subcontractors for lower tier Subcontractors.

d. When not less than 95 percent of the work has been completed, the PROJECT MANAGER may, at his/her discretion and with the consent of the surety, prepare an estimate from which will be retained an amount not less than twice the Contract value or estimated cost, whichever is greater, of the work remaining to be done. The remainder, less all previous payments and deductions, will then be certified for payment to the CONTRACTOR.

e. It is understood and agreed that the CONTRACTOR shall not be entitled to demand or receive partial payment based on quantities of work in excess of those provided in the proposal or covered by approved CHANGE ORDER or SUPPLEMENTAL AGREEMENTS, except when such excess quantities have been determined by the TPM to be a part of the final quantity for the item of WORK in question.

f. No partial payment shall bind the OWNER to the acceptance of any materials or work in place as to quality or quantity. All partial payments are subject to correction at the time of final payment as provided in the subsection titled ACCEPTANCE AND FINAL PAYMENT of this Section.

60.4 PAYMENT FOR MATERIALS ON HAND.

a. Partial payments may be made to the extent of the delivered cost of materials to be incorporated in the WORK, provided that such materials meet the requirements of the CONTRACT, DRAWINGS, and SPECIFICATIONS and are delivered to acceptable sites on the property or at other sites in the vicinity that are acceptable to the OWNER. Such delivered costs of stored or stockpiled materials may be included in the next partial payment after the following conditions are met:

- (1) The material has been stored or stockpiled in a manner acceptable to the TPM at or on an approved site.
- (2) The CONTRACTOR has furnished the TPM with acceptable evidence of the quantity and quality of such stored or stockpiled materials.
- (3) The CONTRACTOR has furnished the TPM with acceptable evidence that the material stored or stockpiled has been manufactured in the United States in accordance with the Buy America Certificate signed by the CONTRACTOR in his/her bid and, if required, proper documentation for material stored or stockpiled which was purchased from another country and for which the AUTHORITY received a Buy America waiver. For such materials purchased requiring shipment by water or air, the CONTRACTOR shall provide evidence of compliance with the Cargo Preference and Fly America regulations in the General Contract Provisions.
- (4) The CONTRACTOR has furnished the TPM with satisfactory evidence that the material and transportation costs have been paid.
- (5) The CONTRACTOR has furnished the OWNER legal title (free of liens or encumbrances of any kind) to the material so stored or stockpiled.
- (6) The CONTRACTOR has furnished the OWNER evidence that the material so stored or stockpiled is insured against loss by damage to or disappearance of such materials at any time prior to use in the WORK.

b. It is understood and agreed that the transfer of title and the OWNER's payment for such stored or stockpiled materials shall in no way relieve the CONTRACTOR of his/her responsibility for furnishing and placing such materials in accordance with the requirements of the CONTRACT, DRAWINGS, and SPECIFICATIONS.

c. In no case will the amount of partial payments for materials on hand exceed the Contract Price for such materials or the Contract Price for the contract item in which the material is intended to be used.

d. No partial payment will be made for stored or stockpiled living or perishable plant materials.

e. The CONTRACTOR shall bear all costs associated with the partial payment of stored or stockpiled materials in accordance with the provisions of this subsection.

60.5 CONTRACT MODIFICATIONS - REQUIREMENTS FOR PROPOSALS.

a. The CONTRACTOR, in connection with any proposal he makes for a Contract modification, shall furnish a price breakdown, itemized as required by the TPM. Unless otherwise directed, the breakdown shall be in sufficient detail to permit an analysis of all material, labor, equipment,

subcontract and overhead costs, as well as profit, and shall cover all WORK involved in the modification, whether such WORK was deleted, added or changed. Any amount claimed for subcontracts shall be supported by a similar price breakdown. In addition, if the proposal includes a time extension, a justification therefor shall also be furnished. The proposal, together with the price breakdown and time extension justification shall be furnished by the date specified by the TPM.

b. **CHANGE ORDERS:** When the CONTRACTING OFFICER or the Authorized Representative directs a change in accordance with the General Provisions and the Progress Schedule requirements of the PROGRESS SCHEDULES Article of the Special Conditions, the CONTRACTOR shall identify in his proposal the network activities that precede and follow the CHANGE ORDER work activities. If the CHANGE ORDER work activities are performed concurrently with existing network activities, those concurrent network activities shall be identified. If the CHANGE ORDER work activities restrain network activities, those restraints shall be identified.

60.6 CHANGE ORDER / CHANGE DIRECTIVE PROCEDURES.

a. Increases in the Scope: The increase in the Contract Price attributable to a CHANGE ORDER / CHANGE DIRECTIVE performed by the CONTRACTOR or any of its subcontractors shall not exceed the sum of the following:

- (1) The actual labor cost to perform the CHANGE ORDER / CHANGE DIRECTIVE, including insurance and taxes,
- (2) The actual unit cost of materials used in performing the CHANGE ORDER / CHANGE DIRECTIVE, including sales taxes.
- (3) The actual cost for additional bond (CHANGE ORDER / CHANGE DIRECTIVE only), and
- (4) For CHANGE ORDER / CHANGE DIRECTIVE, the total percent of overhead and profit (OH&P), shall not exceed the following:
 - a. CHANGE ORDER / CHANGE DIRECTIVE involving CONTRACTOR's work only: The CONTRACTOR shall be entitled to a 10% OH&P mark-up.
 - b. CHANGE ORDER / CHANGE DIRECTIVE involving subcontractor and CONTRACTOR work: The firm(s) doing the work shall be entitled to a 10% OH&P mark-up. The CONTRACTOR shall be entitled to a 5% OH&P Mark-up on the subcontractor's work.
 - c. CHANGE ORDER / CHANGE DIRECTIVE involving multiple (two or more) tiers of subcontractors: The firm(s) doing the work shall be entitled to a 10% OH&P mark-up. One 5% OH&P subcontractor mark-up shall be allowed. The CONTRACTOR shall be entitled to a 5% OH&P mark-up on the subcontractor's work.

b. Decreases in the Scope: The decrease in the Contract Price attributable to a CHANGE ORDER / CHANGE DIRECTIVE deleting a portion of the Scope of Work shall equal the sum of the following:

- (1) The actual labor cost that the CONTRACTOR would have incurred to perform the WORK deleted in the CHANGE ORDER / CHANGE DIRECTIVE including the cost of overhead, profit, general conditions, insurance and taxes,
- (2) The actual unit cost of materials, supplies, products, equipment and rental equipment that the CONTRACTOR would have used in performing the WORK deleted in the CHANGE ORDER / CHANGE DIRECTIVE, including sales taxes,
- (3) The actual cost of Subcontractors and Sub-subcontractors that the CONTRACTOR would have incurred in performing the WORK deleted in the CHANGE ORDER / CHANGE DIRECTIVE, including overhead, profit, general conditions, insurance and taxes, and
- (4) The actual credit for the cost associated with the lower limits required for the bonds including Subcontractor and Sub-subcontractor bonds, if applicable, as a result of the reduction in the Scope of the Work.

60.7 COMPENSATION FOR ALTERED QUANTITIES.

a. When the accepted quantities of work vary from the quantities in the proposal, the CONTRACTOR shall accept as payment in full, so far as Contract items are concerned, payment at the original Contract price for the accepted quantities of work actually completed and accepted. No allowance, except as provided for in the subsection titled VARIATION IN QUANTITIES of Section 20 will be made for any increased expense, loss of expected reimbursement, or loss of anticipated profits suffered or claimed

by the CONTRACTOR which results directly from such alterations or indirectly from his/her unbalanced allocation of overhead and profit among the Contract items, or from any other cause.

60.8 PAYMENT FOR OMITTED ITEMS.

a. As specified in the subsection titled OMITTED ITEMS of Section 20, the TPM shall have the right to omit from the WORK (order nonperformance) any contract item, except major contract items, in the best interest of the OWNER.

b. Should the TPM omit or order nonperformance of a contract item or portion of such item from the WORK, the CONTRACTOR shall accept payment in full at the Contract prices for any work actually completed and acceptable prior to the TPM's order to omit or non-perform such contract item as prescribed in the VARIATION IN QUANTITIES Article in Section 20.

c. Acceptable materials ordered by the CONTRACTOR or delivered on the WORK prior to the date of the TPM's order will be paid for at the actual cost to the CONTRACTOR and shall thereupon become the property of the OWNER.

d. In addition to the reimbursement hereinbefore provided, the CONTRACTOR shall be reimbursed for all actual costs incurred for the purpose of performing the omitted contract item prior to the date of the TPM's order. Such additional costs incurred by the CONTRACTOR must be directly related to the deleted contract item and shall be supported by certified statements by the CONTRACTOR as to the nature and the amount of such costs.

60.9 CHANGE ORDER / CHANGE DIRECTIVE CARRIED OUT BY FORCE ACCOUNT.

a. When the CHANGE ORDER / CHANGE DIRECTIVE authorizing additional work requires that it be done by force account, such force account shall be measured and paid for based on expended labor, equipment, and materials plus the Contractual allowances for overhead and profit. The provisions of the Article titled CHANGE ORDER / CHANGE DIRECTIVE PROCEDURES will apply for overhead and profit.

b. Miscellaneous. No additional allowance will be made for general superintendence, the use of small tools, or other costs for which no specific allowance is herein provided.

c. Comparison of Record. The CONTRACTOR and the TPM shall compare records of the cost of force account work at the end of each day. Agreement shall be indicated by signature of the CONTRACTOR and the TPM or their duly authorized representatives.

d. Statement. No payment will be made for work performed on a force account basis until the CONTRACTOR has furnished the TPM with duplicate itemized statements of the cost of such force account work detailed as follows:

- (1) Name, classification, date, daily hours, total hours, rate and extension for each laborer and foreman.
- (2) Designation, dates, daily hours, total hours, rental rate, and extension for each unit of machinery and equipment.
- (3) Quantities of materials, prices, and extensions.
- (4) Transportation of materials.
- (5) Cost of property damage, liability and worker's compensation insurance premiums, unemployment insurance contributions, and social security tax.

e. Statements shall be accompanied and supported by a receipted invoice for all materials

used and transportation charges; however, if materials used on the force account work are not specifically purchased for such work but are taken from the CONTRACTOR's stock, then in lieu of the invoices the CONTRACTOR shall furnish an affidavit certifying that such materials were taken from his/her stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the CONTRACTOR.

60.10 ACCEPTANCE AND FINAL PAYMENT.

a. When the Contract Work has been accepted in accordance with the requirements of the subsection titled FINAL ACCEPTANCE of Section 30, the TPM will prepare the final estimate of the items of WORK actually performed. The CONTRACTOR shall approve the TPM's final estimate or advise the TPM of his/her objections to the final estimate which are based on disputes in measurements or computations of the final quantities to be paid under the CONTRACT as amended by CHANGE ORDER or SUPPLEMENTAL AGREEMENT. The CONTRACTOR and the TPM shall resolve all disputes (if any) in the measurement and computation of final quantities to be paid within 30 calendar days of the CONTRACTOR's receipt of the TPM's final estimate. If, after such 30-day period, a dispute still exists, the CONTRACTOR may approve the TPM's estimate under protest of the quantities in dispute, and such disputed quantities shall be considered by the OWNER as a claim in accordance with the subsection titled CLAIMS FOR ADJUSTMENT AND DISPUTES of Section 20.

b. After the CONTRACTOR has approved, or approved under protest, the TPM's final estimate, final payment will be processed based on the entire sum, or the undisputed sum in case of approval under protest, determined to be due the CONTRACTOR less all previous payments and all amounts to be deducted under the provisions of the contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment.

c. If the CONTRACTOR has filed a claim for additional compensation under the provisions of the subsection titled CLAIMS FOR ADJUSTMENTS AND DISPUTES of Section 20 or under the provisions of this subsection, such claims will be considered by the OWNER in accordance with local laws or ordinances. Upon final adjudication of such claims, any additional payment determined to be due the CONTRACTOR will be paid pursuant to a supplemental final estimate.

END OF SUPPLEMENTAL CONDITIONS FOR CONSTRUCTION

ATTACHMENT 1

GENERAL CONTRACT PROVISIONS

**MEMPHIS AREA TRANSIT AUTHORITY (MATA)
GENERAL CONTRACT PROVISIONS**

1. Non-Collusion - The Bidder guarantees that the Bid submitted is not a product of collusion with any other Bidder and no effort has been made to fix the Bid price of any Bidder or to fix any overhead, profit, or cost element of any Bid price. An Affidavit of Non-Collusion, as per attached format, must be signed and submitted with Bid. (Exhibit I).
2. Bid Acceptance - Each Bid will be submitted with the understanding that the acceptance, in writing by purchaser of the offer to furnish any or all of the items described herein, shall constitute a Contract between the Bidder and the purchaser, which shall bind the Bidder on his part to furnish and deliver at his Bid price and in accordance with said accepted Bid and specifications.
3. Pricing - The price to be quoted in any Bid submitted shall include all labor, materials, tools, equipment, and other costs necessary to fully complete the project in accordance with the specifications. Anything omitted from such specifications which is clearly necessary for the completion of the item and its appurtenances shall be considered a portion of such Bid item although not directly specified or called for in these specifications. All material shall be new and in no case will used, reconditioned, or obsolete material be accepted unless otherwise specified. Bidder should note discounts, if any. Freight charges must be included in Bid price.
4. Terms of Payment - Payment for the specified items shall be net 30 days after approval of an acceptable invoice. Bidder should note any discounts for payment before 30 days.
5. Acceptance of Material - If the item is not acceptable; MATA will furnish a letter of non-acceptance detailing the deficiencies within 30 days after delivery. Acceptance of delivery of an item shall not release the CONTRACTOR from liability for faulty workmanship or materials appearing even after final payment has been made.
6. Approved Equal -
 - a. In all cases, materials must be furnished as specified. Where brand names or specific items are used in the specifications, consider the term "or approved equal" to follow.
 - b. Any unapproved deviations, exceptions, substitutions, alternates, or conditional qualifications contained in a Bid may be cause for its rejection.
 - c. If a potential Bidder feels that his product is an equal to the product specified, he must submit a written request to MATA.
 - d. Requests for approved equals, clarification of specifications, and protest of specifications must be received by **MATA, IN WRITING, NO LATER THAN 11:00 A.M FRIDAY, JULY 11, 2025, TO ALLOW ANALYSIS OF THE REQUEST.** Any request for an approved equal or protest of the specifications must be fully supported with catalog information, specifications, and illustrations or other pertinent information as evidence that the substitute offer is equal to or better than the specifications' requirement. Where an approved equal is requested, the CONTRACTOR must demonstrate the quality of his product to the Authority and must furnish sufficient information to enable the Authority to determine whether the CONTRACTOR's product is or is not equal to that specified. Such requests may be emailed to Ashley Best at abest@matatransit.com.
 - e. MATA's replies to requests under paragraph (d) above will be post-marked at least 14 days before the due date for submitting Bids.
 - f. A notice of approved equals shall be furnished to all parties receiving specifications so that all Bidders may prepare their Bid accordingly.
 - g. Appeal from the decisions of MATA to approve or disapprove approved equal status shall be submitted in writing to the Chief Executive Officer, MATA, 40 S. Main Street, Suite 1200, Memphis, TN 38103, not later than five days from the date of MATA's decision. The appeal

shall, at a minimum, identify the decision in question, specify all reasons why the appealing party disagrees with the decision, and shall include all facts and justification, including technical information, in support of its position. The Chief Executive Officer may request additional information from the appealing party, and information or a response from the Bidders, which shall likewise be submitted in writing to the Chief Executive Officer not later than 10 days from the date of MATA's request. So far as practicable, appeals will be decided upon the basis of the written appeal, information and written response submitted by the appealing party and other Bidders; all parties are urged to make written submissions as complete as possible. Failure of any party to timely respond to a request for information may be deemed by MATA that such party does not desire to participate in the proceeding, does not contest the matter, or does not desire to submit a response; and, in such event, the appeal will proceed and will not be delayed due to the lack of a response. Upon receipt and review of written submissions and any independent investigation deemed appropriate by MATA, the Chief Executive Officer shall either (a) render a decision which shall be final and advise all interested parties of same in writing, or (b) at the sole election of the Chief Executive Officer, conduct an informal hearing at which the interested participating parties will be afforded an opportunity to present their respective positions and facts, documents, justification, and technical information in support thereof. Parties may, but are not required to, be represented by counsel at the informal hearing, which will not be subject to formal rules of evidence or procedure. Following the informal hearing, the Chief Executive Officer shall render a decision, which shall be final and advise all interested parties thereof in writing.

- h. Changes in the specifications will be made by written addendum by MATA and will be forwarded to all persons and firms to whom Bid documents have been furnished.

7. Bid Withdrawal -

- a. Each and every Bidder who submits his Bid specifically waives any right to withdraw it except as hereinafter provided. Bidders will be given permission to withdraw any Bid after it has been deposited with MATA, provided any Bidder makes its request by telephone, or in writing, 24 hours before the time Bids are due. Requests pertaining to withdrawals by telephone must be confirmed in writing by the Bidder and must reach the Office of the Chief Executive Officer of MATA not later than one hour prior to the time fixed for submission of Bids.
- b. No Bidder may withdraw his Bid within 90 days after the date Bids are due.

8. Bid Rejection - MATA reserves the right to waive any minor Bid informalities or irregularities received which do not go to the heart of the Bid or prejudice other Bidders, or to reject, for good and compelling reasons, any and all Bids submitted. Conditional Bids, or those, which take exception to the specifications, may be considered non-responsive and may be rejected.

9. Tax Exemption - MATA is exempt from payment of all Federal, State, and local taxes in connection with the project. Said taxes must not be included in Bid prices. MATA will provide necessary tax exemption certificate to manufacturer, if requested.

10. Bid Evaluation -

- a. Consideration will be given to Bidder's previous experience, price, financial responsibility of Bidder, responsiveness to these specifications, including level of participation of DBEs.
- b. Bidders may be required to submit duplicate sworn statements of their financial responsibility, technical qualifications, and performance record before a Contract can be awarded to them.
- c. MATA reserves the right to award Bids singularly or collectively on any of the Bid items.
- d. The Contract shall be awarded according to Section 5.0 of Section A.

11. Bid Price Form - If MATA includes a Bid Price Form in the RFP, Bids must be submitted on the form provided. Each item should be listed separately on the form. Bids submitted in any other form may be considered non-responsive and may be rejected. Bids may be submitted on any or all items in this Bid request.

12. Protest Procedures - Protests may be made by prospective Bidders whose direct economic interest would be affected by the award of a Contract, or by failure to award a Contract. MATA will consider all protests requested in a timely manner regarding the award of a Contract, whether submitted before or after an award. All protests are to be submitted in writing to the Contracting Officer, Memphis Area Transit Authority, 40 S. Main Street, Suite 1200, Memphis, TN 38103. Protest submissions should be concise, logically arranged, and clearly state the grounds for the protest. Protests must include at least the following information:

1. Name, address, and telephone number of protestor.
2. Identification of the solicitation or Contract Number.
3. A detailed statement of the legal and factual grounds of protest, including copies of relevant documents.
4. A statement as to what relief is requested.

Protests must be submitted to MATA in accordance with these procedures and time requirements. Protests must be complete and contain all issues that the protestor believes relevant.

- a. Bid protests alleging restrictive specifications or improprieties which are apparent prior to proposal closing time or receipt of proposals must be submitted in writing to the Contracting Officer and must be received seven days prior to Bid closing time or receipt of Bids. If the written protest is not received by the time specified, Bids may be received, and award may be made in the normal manner unless the Contracting Officer determines that remedial action is required. Oral protests not followed up by a written protest will be disregarded. The Contracting Officer may request additional information from the appealing party and information or a response from other Bidders, which shall likewise be submitted in writing to the Contracting Officer not later than ten days from the date of MATA's request. So far as practicable, appeals will be decided upon the basis of the written appeal, information, and written response submitted by the appealing party and other Bidders; all parties are urged to make written submissions as complete as possible. Failure of any party to timely respond to a request for information may be deemed by MATA that such party does not desire to participate in the proceeding, does not contest the matter, or does not desire to submit a response; and, in such event, the protest will proceed and will not be delayed due to the lack of a response. Upon receipt and review of written submissions and any independent investigation deemed appropriate by MATA, the Contracting Officer shall either (a) render a decision, or (b) at the sole election of the Contracting Officer, conduct an informal hearing at which the interested participating parties will be afforded an opportunity to present their respective positions and facts, documents, justification, and technical information in support thereof. Parties may, but are not required to, be represented by counsel at the informal hearing, which will not subject to formal rules or evidence or procedures. Following the informal hearing, the Contracting Officer shall render a decision, which shall be final and advise all interested parties thereof in writing but no later than 10 days from the date of the informal hearing.
- b. Bid protest against the making of an award by the MATA Board must be submitted in writing to the Contracting Officer and received by the Contracting Officer within seven days of the award by the MATA Board. The process for resolving protests listed above in Section (a) will be followed for any protest received under this section.

Notice of the protest and the basis therefore will be given to all prospective Bidders. In addition, when a protest against the making of an award by the MATA Board is received and it is determined to withhold the award pending disposition of the protest, the Bidders whose Bids might become eligible for award shall be requested before expiration of the time for acceptance, to extend or withdraw the Bid.

Where a written protest against the making of an award is received in the time specified, award will not be made prior to seven days after resolution of the protest unless MATA

determines that:

1. The item(s) to be procured or service to be performed is urgently required.
2. Delivery or performance will be unduly delayed by failure to make award promptly;
or,
3. Failure to make award will otherwise cause undue harm to MATA or the Federal Government.

- c. Protests made after contract award shall be received no later than seven calendar days afterwards. Protests received after award will be reviewed by the Contracting Officer and MATA's General Counsel.

In instances where the award has been made, the CONTRACTOR shall be furnished with the notice of the protest and the basis therefore. If the CONTRACTOR has not executed the Contract as of the date the protest is received by MATA, the execution of the Contract will not be made prior to seven days after resolution of the protest unless MATA determines that:

1. The item(s) to be procured or service to be performed is urgently required;
2. Delivery or performance will be unduly delayed by failure to make award promptly;
or,
3. Failure to make award will otherwise cause undue harm to MATA or the Federal Government.

The process for resolving protests listed above in Section (a) will be followed for any protest received under this section.

- d. Appeals and requests for reconsideration of the determination of the Contracting Officer of protests under (a), (b) and (c) must be submitted to the Chief Executive Officer and received within seven days after the date of the written determination by the Contracting Officer. The Chief Executive Officer may request additional information from the appealing party and information or a response from other Bidders, which shall likewise be submitted in writing to the Chief Executive Officer not later than 10 days from the date of MATA's request. So far as practicable, appeals will be decided upon the basis of the written appeal, information, and written response submitted by the appealing party and other Bidders; all parties are urged to make written submissions as complete as possible. Failure of any party to timely respond to a request for information may be deemed by MATA that such party does not desire to participate in the proceeding, does not contest the matter, or does not desire to submit a response; and, in such event, the appeal will proceed and will not be delayed due to the lack of a response. Upon receipt and review of written submissions and any independent investigation deemed appropriate by MATA, the Chief Executive Officer shall either (a) render a decision, or (b) at the sole election of the Chief Executive Officer, conduct an informal hearing at which the interested participating parties will be afforded an opportunity to present their respective positions and facts, documents, justification, and technical information in support thereof. Parties may, but are not required to, be represented by counsel at the informal hearing, which will not be subject to formal rules of evidence or procedures. Following the informal hearing, the Chief Executive Officer shall render a decision, which shall be final and advise all interested parties thereof in writing but no later than 10 days from the date of the informal hearing.

- e. Under certain limited circumstances, an interested party may protest to the Federal Transit Administration (FTA) the award of a Contract pursuant to an FTA grant. FTA's review of any protest will be limited to:

1. Alleged failure of MATA to have written protest procedures or alleged failure to follow such procedures.
2. Alleged violations of a specific Federal requirement that provides an applicable

complaint procedure, which shall be submitted and processed in accordance with that Federal regulation.

- f. Protestors shall file a protest with FTA not later than five working days after a final decision of MATA's Chief Executive Officer is rendered under the MATA protest procedure. In instances where the protestor alleges that MATA failed to make a final determination on the protest, the protestor shall file a complaint with FTA not later than five Federal working days after the protestor knew or should have known of MATA's failure to render a final determination on the protest.
- g. Submission of Protest to FTA
 - 1. Protests shall be filed with the appropriate FTA Regional Office with a concurrent copy to MATA.
 - 2. The protest filed with FTA shall:
 - (i) Include the name and address of the protestor.
 - (ii) Identify MATA project number and the number of the Contract Solicitation.
 - (iii) Contain a statement of the grounds for the protest and any supporting documentation. This should detail the alleged failure to follow protest procedures or the alleged failure to have procedures and be fully supported to the extent possible.
 - (iv) Include a copy of the local protest filed with MATA and a copy of the MATA decision, if any.
- 13. Correspondence -The Bidder is required to show on all correspondence with MATA and FTA, the following: IFB No. 25-12 communication with MATA should be forwarded directly to Ashley Best, Sr. Contract Administrator at MATA, 40 S. Main Street, Suite 1200, Memphis, TN 38103 or emailed to abest@matatransit.com.
- 14. Contract Subletting - No Contract may be assigned, sublet, or transferred without the written consent of MATA.
- 15. Miscellaneous -
 - a. CONTRACTOR warrants that it has not been paid any bonus or commission for the purpose of obtaining this Contract.
 - b. Except as otherwise set forth herein, this Contract shall be governed and construed in accordance with the laws of the State of Tennessee. All actions, whether sounding in contract or in tort, relating to the validity, construction, interpretation, and enforcement of this Contract shall be instituted and litigated in the courts of the State of Tennessee located in Shelby County, Tennessee, and in no other. In accordance herewith, the parties to this Contract submit to the jurisdiction of the courts of the State of Tennessee, located in Shelby County, Tennessee.
 - c. The failure of MATA at any time to insist upon a strict performance of any terms, conditions, and covenants herein shall not be deemed a waiver of any subsequent breach or default of the terms, conditions, and covenants herein contained.
 - d. CONTRACTOR shall not assign any interest or obligation in this Contract, and CONTRACTOR shall not transfer any interest in the same (whether by assignment or novation), without the prior written consent of MATA.
 - e. Any proposed change or modification of this Contract shall be submitted in writing to MATA for its prior approval. All changes shall be by written agreement of MATA and CONTRACTOR.
 - f. The CONTRACTOR acknowledges that MATA is managed and operated by RATP Dev. (RATP). The CONTRACTOR shall cooperate with and abide by the instructions of MATA and RATP personnel.

16. Extent of Agreement -

- a. The Bid submitted by the CONTRACTOR is incorporated herein by reference as fully set forth verbatim herein. In the event of conflict between this Contract and Bid, the provisions of this Contract shall control.
- b. This Contract, except as set forth in the preceding paragraph, represents the entire and integrated Agreement between MATA and the CONTRACTOR, and supersedes all prior negotiations, statements, instructions, and representations or agreements, whether written or oral. This Contract may not be modified, amended, or assigned except by written agreement duly signed by both parties.
- c. At the election of MATA, the invalidity or illegality of any provisions of this Contract, other than arising from the fiscal inability of MATA to pay the compensation due to the CONTRACTOR as same becomes due, as determined by a court of last resort of competent jurisdiction, shall not affect the validity of the remainder of this Contract, and this Contract shall remain in full force and effect as if such illegal or invalid provisions were not contained herein.

17. Compliance with Applicable Law -

- a. In the performance of its obligations pursuant to this Contract, the CONTRACTOR shall comply with all applicable provisions of Federal, State, and local law in any manner effecting the conduct of the work and all prohibitive orders and instructions issued by the State and Federal Government regarding fortifications, military, and naval establishments and other areas.
- b. To accommodate changing Federal requirements, the CONTRACTOR agrees that Federal requirements may change, and the changed requirements will apply to the project as required, unless the Federal Government determines otherwise. All standards or limits within FTA's Master Agreement are minimum requirements, unless modified by FTA.
- c. The CONTRACTOR agrees to comply with FTA Circular 4220, "Third Party Contracting Requirements", any revisions or replacement thereof, and applicable Federal regulations or requirements, including FTA third party contracting regulations when promulgated.

18. Audit and Inspection -

- a. The CONTRACTOR shall permit MATA, the Secretary, and Comptroller General of the United States or any of their duly authorized representatives access to all CONTRACTOR records as they request for audits and inspections related to any Contract not awarded on the basis of competitive procurement procedures for a capital or improvement project, as needed for compliance with 49 U.S.C § 5325(a). The CONTRACTOR shall permit said persons to inspect all work materials, payrolls, and other data with regard to the project, and to audit the books, records, and accounts pertaining to such Contracts with regard to the project. The CONTRACTOR shall provide sufficient access to contract records as needed for compliance with federal regulations or to assure proper project management as determined by FTA.
- b. The CONTRACTOR shall maintain documentation for all charges against MATA under this Contract. The books, records, and documents of the CONTRACTOR, insofar as they relate to work performed or money received under the Contract, shall be maintained in conformity with generally accepted accounting principles for a period three full years from the date of final payment, and shall be subject to audit, at any reasonable time upon reasonable notice, by MATA, the State of Tennessee or the Comptroller of the Treasury or their duly appointed representatives, or a licensed independent public accountant. Further, the records shall be maintained for a period not less than that recommended in the Uniform Manual for Development Districts of Tennessee, published by the Comptroller of the Treasury, State of Tennessee, but not less than three years from the date of final payment.
- c. In the event any Federal or State agency audits MATA, the CONTRACTOR shall provide whatever records, information, and assistance as MATA may reasonably require.

- d. The CONTRACTOR shall provide information and assistance requested by MATA for progress reports required of MATA by Federal or State Government, or agencies.
19. Equal Employment Opportunity - In the performance of its duties hereunder, the CONTRACTOR shall not discriminate against any employee or applicant for employment because of disability, race, color, age, creed, sex, religion or national origin. The CONTRACTOR shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their disability, race, color, religion, sex, age, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The CONTRACTOR shall insert the foregoing provisions (modified only to show the particular contractual relationship) in all subcontracts, except subcontracts for standard commercial supplies or raw materials.
20. Interests of Federal and State Governmental Officials -
- a. No member of or delegate to the Congress of the United States shall be admitted to any share or part of this Contract, or to any benefit arising therefrom.
- b. No part of the proceeds hereof shall be paid directly or indirectly to any officer or employee of the State of Tennessee as wages, compensation or gifts in exchange for acting as officer, agent, employee, subcontractor, or consultant to MATA in connection with any work contemplated or performed relative to this Contract.
21. Environmental Requirements -
- a. Environmental Protection. The CONTRACTOR agrees to comply with all applicable requirements of the National Environmental Policy Act of 1969, as amended, 42 U.S.C. §§ 4321 *et seq.* Consistent with Executive Order No. 11514, as amended, "Protection and Enhancement of Environmental Quality," 42 U.S.C. § 4321 note; FTA statutory requirements on environmental matters at 49 U.S.C. § 5324(b); Council on Environmental Quality regulations on compliance with the National Environmental Policy Act of 1969, as amended, 40 C.F.R. Part 1500 *et seq.*; and joint FHWA/FTA regulations, "Environmental Impact and Related Procedures," 23 C.F.R. Part 771 and 49 C.F.R. Part 622.
- b. Air Quality. The CONTRACTOR agrees to comply with all applicable regulations, standards, or orders implementing the Clean Air Act, as amended, 42 U.S.C. §§ 7401 *et seq.* as follows:
1. The CONTRACTOR agrees to comply with applicable requirements of U.S. Environmental Protection Agency (EPA) regulations, "Conformity to State or Federal Implementation Plans of Transportation Plans, Programs, and Projects Developed, Funded or Approved Under Title 23 U.S.C. or the Federal Transit Act", 40 C.F.R. Part 51, Subpart T; and "Determining Conformity of Federal Actions to State or Federal Implementation Plans," 40 C.F.R. Part 93. To support the requisite air quality conformity finding for the Project, the CONTRACTOR agrees to implement each air quality mitigation and control measure incorporated in the Project. The CONTRACTOR agrees that any Project identified in an applicable State Implementation Plan (SIP) as a Transportation Control Measure will be wholly consistent with the design concept and scope of the Project described in the SIP.
 2. U.S. EPA also imposes requirements implementing the Clean Air Act, as amended, that may apply to transit operators, particularly operators of large transit bus fleets. Thus, the CONTRACTOR should be aware that the following U.E. EPA regulations may apply to its Project: "Control of Air Pollution from Motor-Vehicles and Motor-Vehicle Engines", 40 C.F.R. Part 85; "Control of Air Pollution from New and In-Use Motor Vehicles and New and In-Use Motor Vehicle Engines: Certification and Test Procedures," 40 C.F.R. Part 86; and "Fuel Economy of Motor Vehicles," 40 C.F.R. Part 600.

3. The CONTRACTOR agrees to comply with the notification of violating facilities provisions of Executive Order No. 11738, "Administration of the Clean Air Act and the Federal Water Pollution Control Act with Respect to Federal Contracts, Grants, or Loans," 42 U.S.C. § 7606 note.
- c. Clean Water. The CONTRACTOR agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. §§ 1251 *et seq.* Among other things:
 1. The CONTRACTOR agrees to protect underground sources of drinking water consistent with the provisions of the Safe Drinking Water Act of 1974, as amended, 42 U.S.C. §§ 300h *et seq.*
 2. The CONTRACTOR agrees to comply with the notification of violating facilities provisions of Executive Order No. 11738, "Administration of the Clean Air Act and the Federal Water Pollution Control Act with Respect to Federal Contracts, Grants, or Loans", 42 U.S.C. § 7606 note.
 - d. Use of Public Lands. The CONTRACTOR agrees that no publicly owned land from a park, recreation area, or wildlife or waterfowl refuge of national, State, or local significance as determined by the Federal, State, or local officials having jurisdiction thereof, or any land from a historic site of national, State, or local significance may be used for the Project unless the FTA makes the specific findings required by 49 U.S.C. § 303.
 - e. Wild and Scenic Rivers. The CONTRACTOR agrees to comply with the Wild and Scenic Rivers Act of 1968, as amended, 16 U.S.C. §§ 1271 *et seq.* relating to protecting components of the national wild and scenic rivers system.
 - f. Coastal Zone Management. The CONTRACTOR agrees to assure Project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972, as amended, 16 U.S.C. §§ 1451 *et seq.*
 - g. Wetlands. The CONTRACTOR agrees to comply with the protections for wetlands in accordance with Executive Order No. 11990, as amended, "Protection of Wetlands," 42 U.S.C. § 4321 note.
 - h. Floodplains. The CONTRACTOR agrees to comply with the flood hazards protections in floodplains in accordance with Executive Order No. 11988, as amended, "Floodplain Management" 42 U.S.C. § 4321 note.
 - i. Endangered Species. The CONTRACTOR agrees to comply with the protections for endangered species of the Endangered Species Act of 1973, as amended, 16 U.S.C. §§ 1531 *ET seq.*
 - j. Historic Preservation. The CONTRACTOR agrees to facilitate compliance with Federal historic and archaeological preservation requirements of Section 106 of the National Historic Preservation Act, as amended, 16 U.S.C. § 470f; Executive Order No. 11593, "Protection and Enhancement of the Cultural Environment," 16 U.S.C. § 470 note; and the Archaeological and Historic Preservation Act of 1974, as amended, 16 U.S.C. §§ 469a-l *et seq.* as follows:
 1. In accordance with Advisory Council on Historic Preservation regulations, "Protection of Historic and Cultural Properties," 36 C.F.R. Part 800, MATA agrees to consult with the State Historic Preservation Officer concerning investigations to identify properties and resources included in or eligible for inclusion in the National Register of Historic Places that may be affected by the Project, and agrees to notify FTA of any such properties that will be affected.
 2. The CONTRACTOR agrees to comply with all Federal requirements to avoid or mitigate adverse effects on those historic properties.
 - k. Environmental Justice. The CONTRACTOR agrees to comply with the policies of Executive Order No. 12898, "Federal Actions to Address Environmental Justice in Minority Populations

and Low-Income Populations,” 42 U.S.C. § 4321 note.

- I. Mitigation of Adverse Environmental Effects. Should the Project cause or result in adverse environmental effects, the CONTRACTOR agrees to take all reasonable steps to minimize those effects as required by 49 U.S.C. § 5324(b), and any other applicable Federal laws and regulations, including 23 C.F.R. Part 771 and 49 C.F.R. Part 622. The CONTRACTOR agrees to implement all environmental mitigation measures that may be identified as commitments in applicable environmental documents (such as environmental assessments, environmental impact statements, memoranda of agreement, and documents required by 49 U.S.C. § 303) and agrees to comply with any conditions the Federal Government might impose in a finding of no significant impact or a record of decision. The CONTRACTOR agrees that those mitigation measures are incorporated by reference and made part of the Contract. As soon as the Federal Government and the CONTRACTOR reach agreement on any deferred mitigation measures, the CONTRACTOR agrees that those measures will then be incorporated by reference and made part of the Contract. The CONTRACTOR agrees that any mitigation measures agreed upon by MATA and the Federal Government may not be modified or withdrawn without the express written approval of the Federal Government.
22. Energy Conservation - The CONTRACTOR shall comply with mandatory energy efficiency standards and policies relating to energy efficiency which are contained in the State Energy Conservation Plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6321 *et. Seq.*)
23. **Patent Rights – (Applicable to Contracts For Planning, Research, Development and/or Demonstration Projects Only)**
 - a. General. If any invention, improvement, or discovery by the CONTRACTOR at any tier of the project is conceived or first actually reduced to practice in the course of or under the Project, and that invention, improvement, or discovery is patentable under the laws of the United States of America or any foreign country, the CONTRACTOR agrees to notify MATA immediately and provide a detailed report in a format satisfactory to MATA.
 - b. Federal Rights. The CONTRACTOR agrees that its rights and responsibilities pertaining to that invention, improvement, or discovery will be determined in accordance with applicable Federal laws, regulations, including any waive thereof. Absent a determination in writing to the contrary by the Federal Government, the CONTRACTOR agrees to transmit to MATA those rights due the Federal Government in any invention, improvement, or discovery resulting from the contract as specified in U.S. Department of Commerce regulations, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” 37 C.F.R. Part 401 (implementing 35 U.S.C. §§ 200 *et seq.*), irrespective of the status of MATA or the CONTRACTOR at any tier of the Project (i.e., a large business, small business, State government or State instrumentality, local government, nonprofit organization, institution of higher education, individual, etc.)
 - c. License Fees and Royalties. FTA considers income earned from license fees and royalties for patents, patent applications, and inventions produced under the Project to be program income. Except to the extent FTA determines otherwise in writing, as provided in 49 C.F.R. Parts 18 and 19, the CONTRACTOR has no obligation to the Federal Government with respect to that program income, apart from compliance with 35 U.S.C §§ 200 *et seq.*, which applies to patent rights developed under a research project.
24. Rights in Data and Copyrights Requirements
 - a. Definition. The term “subject data” used in this Section 23 means recorded information, whether or not copyrighted, that is delivered or specified to be delivered under the contract. Examples include, but are not limited to: computer software, standards, specifications, engineering drawings and associated lists, process sheets, manuals, technical reports, catalog item identifications, and related information. “Subject data” does not include financial reports, cost analyses, or similar information used for contract administration.

- b. Federal Restrictions. The following restrictions apply to all subject data first produced in the performance of the contract:
1. Except for its own internal use, the CONTRACTOR may not publish or reproduce subject data in whole or in part, or in any manner or form, nor may the CONTRACTOR authorize others to do so without the written consent of the Federal Government, until such time as the Federal Government may have either released or approved the release of such data to the public.
 2. The restriction on publication of Subsection 23.b. (1) of this contract, however, does not apply to a contract with an institution of higher learning.
- c. Federal Rights in Data and Copyrights. MATA and the CONTRACTOR agree to provide to the Federal Government a royalty-free, non-exclusive and irrevocable license to reproduce, publish, or otherwise use, and to authorize others to use, for Federal Government purposes the "subject data" described in Subsections 23.c. (1) and 23.c. (2) of this CONTRACT. As used herein, "for Federal Government purposes," means use only for the direct purposes of the Federal Government. Without the copyright owner's consent, the Federal Government may not provide or otherwise extend to other parties of the Federal Government's license to:
1. Any subject data developed under the contract, whether or not a copyright has been obtained; and
 2. Any rights of copyright to which MATA and/or the CONTRACTOR purchase ownership with Federal assistance.
- d. Special Federal Rights in Data for Research, Development, Demonstration, and Special Studies (Planning) Projects. In general, FTA's purpose in providing financial assistance for a special studies (planning), research, development, or demonstration Project is to increase transportation knowledge, rather than limit the benefits of the Project to participants in the Project. Therefore, unless FTA determines otherwise, MATA agrees that, in addition to the rights in data and copyrights of SubSection 23.c of this contract, FTA may make available to MATA or the CONTRACTOR, either FTA's license in the copyright to the subject data or a copy of the subject data. If the Project is not completed for any reason whatsoever, all data developed under the Project shall become subject data as defined in SubSection 23.a of this contract and shall be delivered as the Federal Government may direct. This SubSection 23.d. of this CONTRACT, however, does not apply to adaptations of automatic data processing equipment or programs for MATA's use when the costs thereof are financed with Federal funds for capital projects.
- e. Hold Harmless. Except as prohibited or otherwise limited by State law, upon request by the Federal Government, MATA and the CONTRACTOR agree to indemnify, save, and hold harmless the Federal Government and its officers, agents and employees acting within the scope of their official duties against any liability, including costs and expenses, resulting from any willful or intentional violation by MATA or the CONTRACTOR of proprietary rights, copyrights, or right of privacy, arising out of the publication, translation, reproduction, delivery, use, or disposition of any data furnished under this contract. MATA nor the CONTRACTOR shall be required to indemnify the Federal Government for any such liability caused by the wrongful acts of Federal employees or agents.
- f. Restrictions on Access to Patent Rights. Nothing in this Section 23 of this contract pertaining to rights in data shall imply a license to the Federal Government under any patent or be construed to affect the scope of any license or other right otherwise granted to the Federal Government under any patent.
- g. Statutory Requirements to Release Data. To the extent required by U.S. DOT regulations, "Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, and Other Non-Profit Organization," at 49 C.F.R. § 19.36(d), or by subsequent Federal laws or regulations, MATA and the CONTRACTOR understand

and agree that the data and information submitted to the Federal Government may be required to be released in accordance with the provisions of the Freedom of Information Act (or another Federal statute providing access to such records).

25. Vendor Responsibility - It is the intent of these specifications to provide for goods of first quality and the workmanship must be the best obtainable in the various trades. The design of the goods, which the manufacturer proposes to furnish, must be of substantial and durable construction in all respects. No advantage shall be taken by the Bidder or manufacturer in the omission of any part or detail, which goes to make the product complete and ready for installation and use.

The vendor shall assume responsibility for all materials used in the Bid item whether the vendor manufactures the same or purchased ready-made from a source outside the vendor's company.

26. References - Bidder shall provide with his Bid at least five references for projects similar to that described in this Invitation for Bid. The following must be provided: company name, address and telephone number, fax number, a contact person, and the dates of the contract. The references given should be on contracts within a 12-month period prior to the Bid due date.

27. Delivery - Bids shall provide for delivery of all parts or equipment to MATA, 1370 Levee Road, Memphis, TN 38108, unless stated otherwise in Sections A or B.

28. Delivery Schedule - Hours of delivery shall be any weekday between 8:30 a.m. and 4:00 p.m., unless stated otherwise in Section A or B.

29. Preference for United States Products and Services.

To the extent applicable, the CONTRACTOR agrees to comply with the following U.S. preference requirements:

- a. Buy America. The CONTRACTOR agrees to comply with 49 U.S.C. § 5323(j), FTA regulations, "Buy America Requirements," 49 C.F.R. Part 661, and implementing guidance FTA may issue. A Buy America certificate (Exhibit II), as per attached format, must be completed and submitted with the Bid or the Bid will be considered non-responsive.

Construction materials used in the Project are subject to the domestic preference requirement of the Build America, Buy America Act, Pub. L. 117-58, div. G, tit. IX, §§ 70911 – 70927 (2021), as implemented by the U.S. Office of Management and Budget, the U.S. Department of Transportation, and FTA. The Recipient acknowledges that this agreement is neither a waiver of § 70914(a) nor a finding under § 70914(b).

Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j)(2)(C), 49 U.S.C. § 5323(u) and 49 C.F.R. § 661.11. Domestic preferences for procurements

The bidder or offeror must submit to the Agency the appropriate Buy America certification. Bids or offers that are not accompanied by a completed Buy America certification will be rejected as nonresponsive. For more information, please see the FTA's Buy America webpage at: <https://www.transit.dot.gov/buyamerica>

A waiver from the Buy America provision may be sought by MATA if grounds for the waiver exist. Section 165a of the Surface Transportation Assistance Act of 1982 permits FTA's participation in this Contract only if iron, steel and manufactured products used in the Contract are produced in the United States. This applies to procurements of \$150,000 and over.

- b. Cargo Preference—Use of United States-Flag Vessels. The CONTRACTOR agrees to comply with U.S. Maritime Administration regulations, "Cargo Preference—U.S.-Flag Vessels," 46 C.F.R. Part 381, to the extent those regulations apply to the Project. Specifically, the CONTRACTOR agrees:

1. To utilize privately owned United States-Flag Commercial vessels to ship at least 50% of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, materials, or commodities pursuant to this section, to the extent such vessels are available at fair and reasonable rates to United

States-Flag Commercial vessels.

2. To furnish within 30 days following the date of loading for shipments originating within the United States, or within 30 working days following the date of loading for shipment originating outside the United States, a legible copy of a rated, On-Board Commercial Ocean Bill-Of-Lading in English for each shipment of cargo described in paragraph one above to MATA (through the prime CONTRACTOR in the case of subcontractor Bills-of-Lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, 400 Seventh Street, S.W., Washington, DC 20590, marked with appropriate identification of the project.
 - c. Fly America. The CONTRACTOR understands and agrees that the Federal Government will not participate in the costs of international air transportation of any persons involved in or property acquired for the Project unless that air transportation is provided by U.S.-flag air carriers to the extent service by U.S.-flag air carriers is available, consistent with the requirements of the International Air Transportation Fair Competitive Practices Act of 1974, as amended, 49 U.S.C. § 40118, and U.S. General Services Administration (U.S. GSA) regulations "Use of United States Flag Air Carriers," 41 C.F.R. §§ 301.131 through 301.143.
30. Debarment, Suspension, and Other Responsibility Matters - Unless otherwise permitted by law, any person that is debarred, suspended, or voluntarily excluded may not take part in a federally covered transaction, either as participant or a principal, during the period of debarment, suspension, or voluntary exclusion. Accordingly, neither FTA nor MATA may enter into any transaction with such debarred, suspended or voluntarily excluded persons during such period.

A certification process has been established by 49 CFR, Part 29 as a means to ensure that debarred, suspended, or voluntarily excluded persons do not participate in a federally assisted project. Each CONTRACTOR and subcontractor must provide to MATA a signed certification in compliance with 49 CFR, Part 29 as part of this Contract. (Exhibit III)
31. Prohibited Interests - No member, officer, or employee of MATA or the City of Memphis during his or her tenure or one year thereafter shall have interests, direct, or indirect in this Contract or the proceeds thereof, or if a conflict, real or apparent, as defined in MATA's Code of Ethics, would be involved.
32. Copeland "Anti-Kickback" Act, as amended. The CONTRACTOR shall comply with the Copeland "Anti-Kickback" Act, 18 U.S.C. 874 and 40 U.S.C. 276c, and U.S. Department of Labor (DOL) regulations, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in part by Loans or Grants from the United States", 29 C.F.R. Part 3. In addition to other requirements that may apply:
 - a. The CONTRACTOR will not induce, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which that employee is otherwise entitled.
 - b. MATA agrees to report every suspected or reported violation of the Copeland "Anti-Kickback" Act or its Federal implementing regulations to FTA.
33. Termination of Contract -
 - a. MATA may terminate this Contract without cause by giving fifteen (15) days written notice to the CONTRACTOR thereof and specifying the effective date of termination.

If the Contract is terminated by MATA as provided herein, the CONTRACTOR will be paid for its satisfactory services completed through the date of termination specified by MATA.
 - b. If, through any cause, the CONTRACTOR shall fail to fulfill in timely and proper manner its obligations under this Contract, or shall violate any of the covenants, agreements, or stipulations of this Contract, MATA shall thereupon have the right to terminate this Contract by giving written notice to the CONTRACTOR for such termination and specifying the effective date of such termination. In the event of termination, the CONTRACTOR shall be

entitled to just and equitable compensation for any satisfactory work through the date of termination specified by MATA.

- c. In the event of default by the CONTRACTOR, MATA shall be entitled to all of its reasonable expenses, and its costs to include, but not limited to its reasonable attorney's fees incurred by reason of such default.
 - d. In addition to the foregoing, MATA reserves the right to cancel any services or portion of services to be provided hereunder upon written notice to the CONTRACTOR specifying the canceled services and the effective date of such cancellation. In the event of such cancellation, the CONTRACTOR shall be compensated for satisfactory work completed and, further, the compensation due to the CONTRACTOR hereunder shall be reduced accordingly effective said cancellation date.
34. Employment of Contractor - MATA hereby agrees to engage the CONTRACTOR and the CONTRACTOR hereby agrees to perform the services hereafter set forth in connection with the project.
35. Interest of the Contractor - The CONTRACTOR covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Contract. The CONTRACTOR further covenants that in the performance of this Contract no person having any such interest shall be employed.
36. Independent Contractor - The CONTRACTOR is at all times an independent contractor and in no wise shall be deemed to be in joint venture, partnership, or other relationship with MATA.
37. Indemnification - The CONTRACTOR shall indemnify, save, defend, and hold MATA, the City of Memphis, TN, First Transit, Inc. and MTM, their officers, agents and employees free from all losses, damages, claims, and expenses in any wise arising or resulting from the actions and omissions of the CONTRACTOR, its employees, agents, or contractors in the performance of its services hereunder.
38. Cost Analysis - MATA reserves the right to conduct a cost or price analysis for any purchase. MATA may be required to perform a cost analysis when competition is lacking for any purchase. Sole source procurements or procurements where Bids are received will be subject to a cost analysis which will include the appropriate verification of cost data, the evaluation of specific elements of costs and the projection of the data to determine the effect on Bid prices. MATA may require a pre-award audit, and potential contractors shall be prepared to submit data relevant to the proposed work which will allow MATA to sufficiently determine that the proposed price is fair, reasonable, and in accordance with Federal, State, and local regulations. Procurements requiring Bids will be treated as a negotiated procurement and MATA reserves the right to negotiate with a single Bidder and/or all Bidders in the competitive range to achieve a fair and reasonable price. If any of the parties cannot agree upon a negotiated price, MATA reserves the right to reject any or all Bids.

Contract change orders or modifications will be subject to a cost analysis.

39. False or Fraudulent Statements or Claims - The CONTRACTOR acknowledges and agrees that:
- a. The Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. §§ 3801 *et seq.* and U.S. Department of Transportation (DOT) regulations "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its activities in connection with the Project. Accordingly, by executing the Contract, the CONTRACTOR certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, or it may make in connection with the Project covered by the Contract. In addition to other penalties that may apply, the CONTRACTOR also acknowledges that if it makes a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986, as amended, on the CONTRACTOR to the extent the Federal Government deems appropriate.

- b. If it makes a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government in connection with an urbanized area formula project financed with Federal assistance authorized by 49 U.S.C. § 5307, the Government reserves the right to impose on the CONTRACTOR the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1), to the extent the Federal Government deems appropriate.
- 40. No Contingency Fees - The CONTRACTOR shall warrant that no person or selling agency has been employed or retained to solicit or secure this Contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the CONTRACTOR for the purpose of securing business, for the breach or violation of which warranty MATA shall have the right to annul said Contract without liability or, in its discretion, to deduct from the Contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.
- 41. Excluded Facilities - The CONTRACTOR shall comply with the provisions of 40 CFR Part 15 which prohibit the use of facilities included on the EPA list of violating facilities.
- 42. Federal Changes - The CONTRACTOR shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Agreement (Form FTA Master Agreement (18) dated October 1, 2011) between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. The Contractor's failure to so comply shall constitute a material breach of this contract.
- 43. Lobbying Requirements - Federal regulations require MATA to include certifications from contractors. Accordingly, the CONTRACTOR must sign the attached certification. (Exhibit IV)

By executing this Contract, the CONTRACTOR certifies to the best of its knowledge and belief that:

- a. No Federal appropriated funds have been paid or will be paid on behalf of the undersigned to any person for influencing or attempting to influence an officer or employee of any 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.
- b. If any funds other than Federal appropriate funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any 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 CONTRACTOR shall complete and submit Office of Management and Budget Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- c. The CONTRACTOR shall insert the language of this certification in all subcontracts and require that all subcontractors at any tier 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. This applies to procurements of \$100,000 or more.

44. Recycled Products

The CONTRACTOR agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in SubPart B of 40 CFR Part 247.

45. No Government Obligation

- a. MATA and the CONTRACTOR acknowledge and agree 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 MATA, CONTRACTOR, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.
- b. The CONTRACTOR agrees to include the above clause in each subcontract. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

46. Incorporation of Federal Transit Administration (FTA) Terms

The preceding provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in FTA Master Agreement (18), dated October 1, 2011, are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The CONTRACTOR shall not perform any act, fail to perform any act, or refuse to comply with any MATA requests, which would cause MATA to be in violation of the FTA terms and conditions.

47. Access Requirements for Persons with Disabilities. The CONTRACTOR agrees to comply with the requirements of 49 U.S.C. § 5301(d) which expresses the Federal policy that the elderly and persons with disabilities have the same right as other persons to use mass transportation service and facilities, and that special efforts shall be made in planning and designing those services and facilities to implement those policies. The CONTRACTOR also agrees to comply with all applicable requirements of Section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, which prohibits discrimination on the basis of handicaps, and with the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §§ 12101 *et seq.*, which requires the provision of accessible facilities and services, and with the following Federal regulations, including any amendments thereto:

- a. U.S. DOT regulations, "Transportation Services for Individuals with Disabilities (ADA),"49 C.F.R. Part 37;
- b. U.S. DOT regulations "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance,"49 C.F.R. Part 27;
- c. Joint U.S. Architectural and Transportation Barriers Compliance Board/U.S. DOT regulations, "Americans with Disabilities (ADA) Accessibility Specifications for Transportation Vehicles,"36 C.F.R. Part 1192 and 49 C.F.R. Part 38;
- d. U.S. Department of Justice (DOJ) regulations, "Nondiscrimination on the Basis of Disability in State and Local Government Services,"28 C.F.R. Part 35;
- e. U.S. DOJ regulations, "Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities,"28C.F.R. Part 36;
- f. U.S. General Services Administration (GSA) regulations, "Accommodations for the Physically Handicapped,"41 C.F.R. Subpart 101-19;
- g. U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,"29 C.F.R. Part 1630;
- h. U.S. Federal Communications Commission regulations, "Telecommunications Relay Services and Related Customer Premises Equipment for the Hearing and Speech Disabled,"47 C.F.R. Part 64, Subpart F; and
- i. FTA regulations, "Transportation for Elderly and Handicapped Persons,"49 C.F.R. Part 609; and

- j. Any implementing requirements FTA may issue.
48. Disputes, Breaches, Defaults or Other Litigation.
- a. Except as otherwise provided in this Contract, any dispute concerning a question of fact arising under this Contract which is not disposed of by agreement shall be decided by the Contracting Officer, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the CONTRACTOR. The Contracting Officer may consult with the Construction Manager if one has been appointed for this project. The decision of the Contracting Officer shall be final and conclusive unless, within 10 days from the receipt of such copy, the CONTRACTOR mails or otherwise furnishes to the Contracting Officer a written appeal addressed to the Chief Executive Officer of MATA. The Chief Executive Officer shall review the dispute, related documents and the Contracting Officer's Final Decision. The Chief Executive Officer may consult with the Construction Manager and the Contracting Officer. The decision of the Chief Executive Officer shall be final and conclusive unless, within 10 days from the date of the receipt of such copy, the CONTRACTOR mails or otherwise furnishes to the Contracting Officer a written appeal addressed to the Board of the Memphis Area Transit Authority. The decision of the Board or its duly authorized representative for the determination of such appeals shall be final and conclusive unless in proceedings initiated by either party for review of such decision in a court of competent jurisdiction, the Court determines the decision to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or is not supported by substantial evidence. In connection with any appeal proceeding under this Article, the CONTRACTOR shall be afforded an opportunity to be heard and to offer evidence in support of his appeal. Pending final decision of a dispute hereunder, the CONTRACTOR shall proceed diligently with the performance of the Contract and in accordance with the Contracting Officer's decision.
 - b. This Section 48 does not preclude consideration of questions of law in connection with decisions provided for in Paragraph a. above. Nothing in this Contract, however, shall be construed as making final the decisions of the Board or its representative on a question of law.
48. Title VI of the Civil Rights Act of 1964. The CONTRACTOR will comply and will assure the compliance by subcontractors under this Project with all the requirements imposed by Title VI of the Civil Rights Act of 1964 (49 U.S.C. Section 2000d), the Regulations of DOT issued thereunder, 40 C.F.R. Part 21 and the assurances by MATA pursuant thereto.
49. Disadvantaged Business Enterprises - To the extent authorized by Federal law, the CONTRACTOR agrees to facilitate participation by Disadvantaged Business Enterprises (DBEs) in the Project and assures that each subcontractor, lessee, third party contractor, or other participant at any tier of the Project will facilitate participation by DBEs in the Project to the extent applicable as follows:
- a. The CONTRACTOR agrees and assures that it shall comply with Section 1101(b) of SAFETEA-LU, 23 U.S.C. § 101 note, and U.S. DOT regulations, "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs," 49 C.F.R. Part 26.
 - b. The CONTRACTOR agrees and assures that it shall not discriminate on the basis of race, color, sex, or national origin in the award and performance of any subcontract, lease, third-party contract, or other arrangement supported with Federal assistance derived from U.S. DOT in the administration of its Contract and shall comply with the requirements of 49 C.F.R. Part 26. The CONTRACTOR agrees to take all necessary and reasonable steps as set forth in 49 C.F.R. Part 26 to ensure nondiscrimination in the award and administration of all subcontracts, leases, third-party contracts, and other arrangements supported with Federal assistance derived from U.S. DOT.
51. Prompt Payment - The CONTRACTOR agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 10 days from receipt of each payment the

prime contractor receives from MATA. The CONTRACTOR agrees further to return retainage payments to each subcontractor within 10 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of MATA. This clause applies to both DBE and non-DBE subcontractors. If the CONTRACTOR determines the work to be unsatisfactory, it must notify MATA's Contracting Officer, Project Manager and DBE Liaison Officer immediately, in writing, and state the reasons. Failure to comply with this requirement will be construed to be a breach of contract and subject to contract termination.

52. Nondiscrimination in Federal Public Transportation Programs - The CONTRACTOR agrees to comply, and assures the compliance of each subcontractor, lessee, third party contractor, or other participant at any tier of the Project, with the provisions of 49 U.S.C. § 5332, which prohibit discrimination on the basis of race, color, creed, national origin, sex, or age, and prohibits discrimination in employment or business opportunity.
53. Contract Work Hours and Safety Standards Act - The CONTRACTOR agrees to comply, and assures the compliance of each subcontractor, lessee, third party contractor, and other participant at any tier of the Project, with the employee protection requirements for non-construction employees of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. §§ 3701 *et seq.*, in particular with the wage and hour requirements of Section 102 of that Act at 40 U.S.C. § 3702, and with implementing U.S. DOL regulations, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Non-construction Contracts Subject to the Contract Work Hours and Safety Standards Act)," 29 C.F.R. Part 5.
54. National Intelligent Transportation Systems Architecture and Standards - To the extent applicable, the CONTRACTOR agrees to conform to the National Intelligent Transportation Systems (ITS) Architecture and Standards as required by SAFETEA-LU § 5307(c), 23 U.S.C. § 512 note, and follow the provisions of FTA Notice, "FTA National ITS Architecture Policy on Transit Projects," 66 *Fed. Reg.* 1455 *et seq.*, January 8, 2001, and any other implementing directives FTA may issue at a later date, except to the extent FTA determines otherwise in writing.
55. Seismic Safety (Applicable to Design and/or Construction Contracts Only) - The CONTRACTOR agrees to comply with the Earthquake Hazards Reduction Act of 1977, as amended, 42 U.S.C. §§ 7701 *et seq.*, with Executive Order No. 12699, "Seismic Safety of Federal and Federally-Assisted or Regulated New Building Construction," 42 U.S.C. § 7704 note, and with U.S. DOT regulations, "Seismic Safety," 49 C.F.R. Part 41, (specifically, 49 C.F.R. § 41.117), and any implementing guidance FTA may issue.
56. Environmental Justice. The CONTRACTOR agrees to facilitate compliance with the policies of Executive Order No. 12898, "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations," 42 U.S.C. § 4321 note; and DOT Order 5620.3, "Department of Transportation Actions to Address Environmental Justice in Minority Populations and Low-Income Populations," 62 *Fed. Reg.* 18377 *et seq.*, April 15, 1997, except to the extent that the Federal Government determines otherwise in writing.
57. Veterans Employment. Recipients and sub-recipients of Federal Financial assistance under this chapter shall ensure that contractors working on a capital project funded using such assistance give a hiring preference, to the extent practicable, to veterans (as defined in Section 2108 of Title 5) who have the requisite skills and abilities to perform the construction work required under the contract. This subsection shall not be understood, construed or enforced in any manner that would require an employer to give preference to any veteran over any equally qualified applicant who is a member of any racial or ethnic minority, female, an individual with a disability, or former employee.
58. Program Fraud and False or Fraudulent Statements And 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. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. part 31, apply to its actions pertaining to this Project. Upon execution of the underlying contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has

made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FTA assisted project for which this contract work is being performed. 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 to the extent the Federal Government deems appropriate.

The Contractor also acknowledges that if 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. chapter 53, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5323(l) on the Contractor, to the extent the Federal Government deems appropriate.

The Contractor agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

59. Access to Records and Reports

- a. Record Retention. The Contractor will retain, and will require its subcontractors of all tiers to retain, complete and readily accessible records related in whole or in part to the contract, including, but not limited to, data, documents, reports, statistics, leases, subcontracts, arrangements, other third-party Contracts of any type, and supporting materials related to those records.
- b. Retention Period. The Contractor agrees to comply with the record retention requirements in accordance with 2 C.F.R. § 200.334. The Contractor shall maintain all books, records, accounts and reports required under this Contract for a period of at not less than three (3) years after the date of termination or expiration of this Contract, except in the event of litigation or settlement of claims arising from the performance of this Contract, in which case records shall be maintained until the disposition of all such litigation, appeals, claims or exceptions related thereto.
- c. Access to Records. The Contractor agrees to provide sufficient access to FTA and its contractors to inspect and audit records and information related to performance of this contract in accordance with 2 CFR § 200.337.
- d. Access to the Sites of Performance. The Contractor agrees to permit FTA and its contractors access to the sites of performance under this contract in accordance with 2 CFR § 200.337.

60. Changes to Federal Requirements

Federal requirements that apply to the Recipient or the Award, the accompanying Underlying Agreement, and any Amendments thereto may change due to changes in federal law, regulation, other requirements, or guidance, or changes in the Recipient's Underlying Agreement including any information incorporated by reference and made part of that Underlying Agreement; and

Applicable changes to those federal requirements will apply to each Third-Party Agreement and parties thereto at any tier.

61. Safe Operation of Motor Vehicles

Seat Belt Use

The Contractor is encouraged to adopt and promote on-the-job seat belt use policies and programs for its employees and other personnel that operate company-owned vehicles, company rented vehicles, or personally operated vehicles. The terms "company-owned" and "company-leased" refer to vehicles owned or leased either by the Contractor or Agency.

Distracted Driving

The Contractor agrees to adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers, including policies to ban text messaging while using an electronic device supplied by an employer, and driving a vehicle the driver owns or rents, a vehicle Contractor owns, leases, or rents, or a privately-owned vehicle when on official business in connection with the work performed under this Contract.

62. Trafficking in Persons

The contractor agrees that it and its employees that participate in the Recipient's Award, may not:

- (a) Engage in severe forms of trafficking in persons during the period of time that the Recipient's Award is in effect;
- (b) Procure a commercial sex act during the period of time that the Recipient's Award is in effect; or
- (c) Use forced labor in the performance of the Recipient's Award or sub-agreements thereunder.

63. Federal Tax Liability and Recent Felony Convictions

(1) The contractor certifies that it:

- (a) Does not have any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability; and
- (b) Was not convicted of the felony criminal violation under any Federal law within the preceding 24 months.

If the contractor cannot so certify, the Recipient will refer the matter to FTA and not enter into any Third Party Agreement with the Third Party Participant without FTA's written approval.

(2) Flow-Down. The Recipient agrees to require the contractor to flow this requirement down to participants at all lower tiers, without regard to the value of any sub-agreement.

64. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.

a) Recipients and sub-recipients are prohibited from obligating or expending loan or grant funds to:

- 1) Procure or obtain;
- 2) Extend or renew a contract to procure or obtain; or
- 3) Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).
 - (i) For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).
 - (ii) Telecommunications or video surveillance services provided by such entities or using such equipment.

- (iii) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.
 - b) In implementing the prohibition under Public Law 115-232, section 889, subsection (f), paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.
 - c) See Public Law 115-232, section 889 for additional information.
 - d) See also § 200.471.
65. Protection of Sensitive and Personally Identifiable Information
- Authority - FTA Master Agreement, FY2020 Section 36(c), US DOT Common Rules Applicability - all contracts
- Contractors and sub-contractors must implement reasonable measures to safeguard protected personally identifiable information as well as any information that the FTA or pass-through entity designates as sensitive.
66. Davis Bacon Act and Copeland Anti-Kickback Act
- For all prime construction, alteration or repair contracts in excess of \$2,000 awarded by FTA, the Contractor shall comply with the Davis-Bacon Act and the Copeland "Anti-Kickback" Act. Under 49 U.S.C. § 5333(a), prevailing wage protections apply to laborers and mechanics employed on FTA assisted construction, alteration, or repair projects. The Contractor will comply with the Davis-Bacon Act, 40 U.S.C. §§ 3141-3144, and 3146-3148 as supplemented by DOL regulations at 29 C.F.R. part 5, "Labor Standards Provisions Applicable to Contracts
- Governing Federally Financed and Assisted Construction." In accordance with the statute, the Contractor shall pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, the Contractor agrees to pay wages not less than once a week. The Contractor shall also comply with the Copeland "Anti-Kickback" Act (40 U.S.C. § 3145), as supplemented by DOL regulations at 29 C.F.R. part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in part by Loans or Grants from the United States." The Contractor is prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled.
67. Bond Requirements
- For construction or facility improvement contracts or subcontracts exceeding the Simplified Acquisition Threshold, the Federal awarding agency or pass-through entity may accept the bonding policy and requirements of the non-Federal entity provided that the Federal awarding agency or pass-through entity has made a determination that the Federal interest is adequately protected. If such a determination has not been made, the minimum requirements must be as follows:
- (a) A bid guarantee from each bidder equivalent to five percent of the bid price. The "bid guarantee" must consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.
 - (b) A performance bond on the part of the contractor for 100 percent of the contract price. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the

contractor's requirements under such contract.

(c) A payment bond on the part of the contractor for 100 percent of the contract price. A "payment bond" is one executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract.

It is also understood and agreed that if the bidder should withdraw any part or all

of their bid within [90] days after the bid opening without the written consent of the Agency, or refuse or be unable to enter into this Contract as provided above, or refuse or be unable to furnish adequate and acceptable Performance and Payment Bonds, or refuse or be unable to furnish adequate and acceptable insurance, as provided above, it shall forfeit its bid guaranty to the extent Agency's damages occasioned by such withdrawal, or refusal, or inability to enter into a Contract, or provide adequate security thereof.

It is further understood and agreed that to the extent the defaulting bidder's bid guaranty shall prove inadequate to fully recompense Agency for the damages occasioned by default, then the bidder agrees to indemnify Agency and pay over to Agency the difference between the bid guarantee and Agency's total damages so as to make Agency whole.

The bidder understands that any material alteration of any of the above or any of the material contained herein, other than that requested will render the bid unresponsive.

Performance Guarantee. A Performance Guarantee in the amount of 100% of the Contract value is required by the Agency to ensure faithful performance of the Contract. Either a Performance Bond or an Irrevocable Stand-By Letter of Credit shall be provided by the Contractor and shall remain in full force for the term of the Contract. The successful Bidder shall certify that it will provide the requisite Performance Guarantee to the Agency within ten (10) business days from Contract execution. The Agency requires all Performance Bonds to be provided by a fully qualified surety company acceptable to the Agency and listed as a company currently authorized under 31 C.F.R. part 22 as possessing a Certificate of Authority as described hereunder. Agency may require additional performance bond protection when the contract price is increased. The increase in protection shall generally equal 100 percent of the increase in contract price. The Agency may secure additional protection by directing the Contractor to increase the amount of the existing bond or to obtain an additional bond.

If the Bidder chooses to provide a Letter of Credit as its Performance Guarantee, the Bidder shall furnish with its bid, certification that an Irrevocable Stand-By Letter of Credit will be furnished should the Bidder become the successful Contractor. The Bidder shall also provide a statement from the banking institution certifying that an Irrevocable Stand-By Letter of Credit for the action will be provided if the Contract is awarded to the Bidder. The Irrevocable Stand- By Letter of Credit will only be accepted by the Agency if:

1. A bank in good standing issues it. The Agency will not accept a Letter of Credit from an entity other than a bank.
2. It is in writing and signed by the issuing bank.
3. It conspicuously states that it is an irrevocable, non-transferable, "standby" Letter of Credit.
4. The Agency is identified as the Beneficiary.
5. It is in an amount equal to 100% of the Contract value. This amount must be in U.S. dollars.
6. The effective date of the Letter of Credit is the same as the effective date of the Contract
7. The expiration date of the Letter of Credit coincides with the term of the contract.
8. It indicates that it is being issued in order to support the obligation of the Contractor to perform under the Contract. It must specifically reference the Contract between the Agency and the Contractor the work stipulated herein.

The issuing bank's obligation to pay will arise upon the presentation of the original Letter of Credit and a certificate and draft to the issuing bank's representative at a location and time to be determined by the parties. This documentation will indicate that the Contractor is in default under the Contract.

Payment Bonds. A Labor and Materials Payment Bond equal to the full value of the contract must be furnished by the contractor to Agency as security for payment by the Contractor and subcontractors for labor, materials, and rental of equipment. The bond may be issued by a fully qualified surety company acceptable to (Agency) and listed as a company currently authorized under 31 C.F.R. part 223 as possessing a Certificate of Authority as described thereunder.

68. Special DOL EEO Clause for Construction Projects (Applicable to Projects greater than \$10,000)

The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any

Federal program involving such grant, contract, loan, insurance, or guarantee, the following equal opportunity clause:

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.

(3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

(4) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(5) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(6) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or

pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

69. Construction Site Safety

The Contractor and sub-contractors agree that it will comply with all federal laws, regulations, and requirements providing protections for construction employees involved in the Project or related activities, including the: (i) Section 107 of the Contract Work Hours and Safety Standards Act, as amended, 40 U.S.C. § 3704, and other relevant parts of that Act, 40 U.S.C. § 3701 et seq.; and (ii) U.S. DOL regulations, "Recording and Reporting Occupational Injuries and Illnesses," 29 C.F.R. part 1904; "Occupational Safety and Health Standards," 29 C.F.R. part 1910; and "Safety and Health Regulations for Construction," 29 C.F.R. part 1926.

APPENDIX

BUSINESS QUESTIONNAIRE

This questionnaire, and the authorization to release financial information are used in part to assist in determining a potential contractor's responsibility. Offerors shall submit this information within two (2) workdays from the date of notification by the Authority, or if so indicated in the Solicitation and in accordance with applicable provision(s), if any. All information must be current and traceable. Each venturer of a joint venture must submit a separate signed form.

MATA reserves the right to make additional inquiries based on information submitted, or the lack thereof. Questions concerning this questionnaire, or the authorization form should be directed to the contact person identified on the Solicitation.

1. Name of Offeror ("Business"):

2. List name(s) and business address of officers and directors for corporations, partners for partnerships, and venturers for joint ventures (attach additional pages as necessary).

3. Number of years in business under present business name:

4. If applicable, list all other names under which the Business identified above operated in the last 5 years.

5. Annual Gross Revenue (Past year): (M represents millions, K represents thousands)

☐ \$100K or less ☐ \$100K-\$500K ☐ \$500K-\$1M ☐ \$1M-\$5M ☐ \$5M-\$10M
☐ \$10M-\$16M ☐ \$16M or Over

6. Number of current employees:

7. Has the Business, or any officer or partner thereof, failed to complete a contract? ☐ Yes ☐ No

8. Is any litigation pending against the Business? ☐ Yes ☐ No

9. Has any officer or executive of the business been convicted or is under indictment for a felony?
☐ Yes ☐ No

10. Has the Business ever been declared "not responsible" for the purpose of any governmental agency contract award? ☐ Yes ☐ No

11. Has the Business been debarred, suspended, proposed for debarment, declared ineligible,

voluntarily excluded or otherwise disqualified from bidding, proposing, or contracting?

☐Yes ☐No

12. Are there any proceedings pending relating to the Business' responsibility, debarment, suspension, voluntary exclusion, or qualification to receive a public contract? ☐Yes ☐No

13. Has the government or other public entity requested or required enforcement of any of its rights under a surety agreement on the basis of a default or in lieu of declaring the Business in default? ☐Yes ☐No

14. Is the Business in arrears on any contract or debt? ☐Yes ☐No

15. Has the Business been a defaulter, as a principal, surety, or otherwise? ☐Yes ☐No

16. Have liquidated damages or penalty provisions been assessed against the Business for failure to complete work on time or for any other reason? ☐Yes ☐No

17. If a "yes" response is given under questions 7 through 16, please provide a detailed explanation including dates, reference to contract information, contacts, etc. (attach additional pages as necessary).

18. Name and address of Surety Company to be used by the Business to provide applicable performance and payment bonds. _____

19. Does the Business maintain a drug-free workplace? ☐Yes ☐No

20. Does the Business have a safety program? ☐Yes ☐No

21. Does the Business have a quality control program? ☐Yes ☐No

SAFETY INFORMATION (Use additional pages as necessary.) **(Construction Only)**

1. Provide the Business's interstate Worker's Compensation Experience Modification Rate (EMR) for the last three (3) rating periods. This information is obtainable from the Business's insurance company(ies). If the interstate rating is unknown, obtain the intrastate EMR for the same periods.

Current policy year: _____ 1 Year previously: _____ 2 Years previously: _____

2. To verify the above, provide one of the following forms of documentation and submit it with this questionnaire. Check which form of documentation the Business is submitting.

- ☐ Certified letter from the Business's insurance company(s) verifying the EMR
☐ Photocopy of the Business's EMR calculation sheets for the last three (3) rating years
☐ Photocopy of the Business's insurance policy identifying the modification rate and coverage period for the last three (3) years

3. Is the Business self-insured for Worker's Compensation? ☐Yes ☐No

4. Provide the following information about the Business's OSHA recordable, reportable, and non-reportable incidents and inspection reports for the last three (3) years, and submit it with this

questionnaire:

- a. Copies of the Business's OSHA Form 200/300 or state equivalent reporting form.
- b. Number of violations issued by the Department of Labor (OSHA), an explanation of violation type (e.g., willful, serious, de minimis, repeat, etc.), penalty assessed, status, and measures taken to prevent incident(s) from recurring.

- c. Approximate number of "non-reportable" first aid/one time treatment injuries or incidents.

5. For the last three (3) years, provide the approximate number of incidents, e.g., injuries, fatalities, and vehicle accidents involving subcontractor employees while operating on projects the Business managed.

6. For the last three (3) years, provide the total number of citations/violations issued by any other federal, state and/or municipal authority including, but not limited to, the Tennessee Department of Environment and Conservation (TDEC), Tennessee Bureau of Worker's Compensation (BWS), City of Memphis, etc. Provide violation date(s), a brief explanation and current status of each violation (attach additional pages as necessary).

7. Provide brief synopsis of the Business's safety education and training programs, safety incentive programs, modified duties and return to work programs, corporate safety team compositions and hierarchy (use additional pages as necessary).

8. If the Business has performed work involved with or immediately adjacent to active railroad systems within the last three (3) years, provide (or submit, as applicable) the following information, if not otherwise requested elsewhere in this questionnaire.

- a. Name of governing railroad, location, and type of work performed.

- b. Detailed explanation of any accidents/incidents that affected rail movement/operations, involved injuries to railroad employees, or damage to facilities and/or equipment.

- c. Current copy of the Business's safety programs/plans directly related to work on or around railroads, e.g., "On-Track" safety programs/plans, Roadway Worker Protection (RWP) program, etc.

- d. Total number of Federal Railroad Administration (FRA) citations issued. Provide violation date(s), a brief explanation, current status of each violation, and measures taken to prevent incident(s) from recurring.

I, individually and on behalf of the business named in this Business Questionnaire, do by my signature below, certify that the information provided in this questionnaire is true and correct. I understand that any false statements or misrepresentations regarding the Business named above may result in: 1) termination of any or all contracts which MATA has or may have with the Business; 2) disqualification of the Business from consideration for contracts; 3) removal of the Business from MATA's bidders' list; or/and 4) legal action(s) applicable under federal, state or local law. I also understand that if awarded a contract under this solicitation, I am responsible for updating this document noting any changes within ten days following the change.

Printed Name: _____ Title: _____

Signature: _____ Date: _____
(Owner, CEO, President, Majority Stockholder, or Designated Representative)

**MEMPHIS AREA TRANSIT AUTHORITY
SAMPLE SUPPLY AND SERVICE CONTRACT**

CONTRACTOR: _____

CONTRACT NO: _____
CONTRACT DATE: _____
CONTRACT FOR: _____
CONTRACT PRICE: \$ _____

THIS CONTRACT made and entered into at Memphis, Tennessee on the above date by and between MEMPHIS AREA TRANSIT AUTHORITY (hereinafter called "the AUTHORITY"), party of the First Part, a public transportation system and transit authority organized and existing under and by virtue of the laws of the State of Tennessee and of the City of Memphis, Tennessee, a municipal corporation and the above-named CONTRACTOR, party of the Second Part.

The Authority, pursuant to law, has solicited and received quotes, bids or proposals for furnishing the supplies and services herein described, and has heretofore accepted the quote, bid or proposal submitted by the Contractor. In consideration of the covenants contained herein, the sufficiency of which is hereby acknowledged, the Contractor agrees to perform this contract in strict accordance with standards and specifications of the Authority upon which quotes, bids or proposals were invited and the conditions set forth herein.

The following documents are part of this contract:

IFB No. _____, including any and all Addenda and Change Orders, General Provisions, Specifications, and Conditions and the Bid is incorporated herein and made part of this contract.

BY: _____

TITLE: _____

MEMPHIS AREA TRANSIT AUTHORITY

BY: _____

TITLE: _____

SAMPLE

MEMPHIS AREA TRANSIT AUTHORITY
SAMPLE CONTRACT CHANGE ORDER

CONTRACT NO _____ CHANGE ORDER NO: _____ FTA GRANT NO: _____

DATE: _____ CONTRACT DATE: _____

CONTRACT FOR: _____

TO: _____

You are directed to make the changes specified in the subject contract; as authorized by the
MEMPHIS AREA TRANSIT AUTHORITY.

BY: _____ TITLE: Director Of Grants EFFECTIVE
DATE: _____

NATURE OF CHANGE: _____

TOTAL AMOUNT OF THIS CHANGE ORDER: \$ _____

THE CHANGES RESULT IN THE FOLLOWING ADJUSTMENT OF CONTRACT PRICE AND CONTRACT
TIME:

Original Contract Price	\$ _____
Previously Executed Changes (0)	\$ _____
Contract Price Prior to This Change	\$ _____
Net Increase/(Decrease) From This Change	\$ _____
Current Contract Price Including This Change	\$ _____
Contract Time Prior to This Change	_____
Net Increase/(Decrease) From This Change	_____
Current Contract Time Including This Change	_____

The Above Changes are Accepted: _____
Company

BY: _____ TITLE: _____ DATE: _____

