CITY OF EVANSTON

SPECIFICATIONS AND BID DOCUMENTS
Construction Bid with Subcontractors

BID NUMBER: 20-29

For

Civic Center Burner Replacement

March 26, 2020

BID OPENING
TIME, DATE, PLACE: 2:00 P.M., Tuesday, April 28, 2020, Room 2404,
Lorraine H. Morton Civic Center,
2100 Ridge Avenue, Evanston Illinois 60201

BID BOND: 5% of Contract Amount

PERFORMANCE/MATERIAL & LABOR PAYMENT BOND: 110% of Contract Amount

CONTRACT PERIOD: Contract award through October 1, 2020

SEALED BIDS TO BE RETURNED TO:
CITY OF EVANSTON
PURCHASING DIVISION, ROOM 4200,
LORRAINE H. MORTON CIVIC CENTER
2100 RIDGE AVENUE, EVANSTON, IL 60201
Phone: 847/866-2935 * Fax: 847/448-8128

Revised 1-15
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LOCAL EMPLOYMENT PROGRAM (LEP)
CITY OF EVANSTON

NOTICE TO BIDDERS

Sealed bids will be received by the City’s Purchasing Office in Room 4200 of the Lorraine H. Morton Civic Center located at 2100 Ridge Avenue, Evanston, Illinois 60201, until 2:00 P.M. local time Tuesday, April 28, 2020 and will be publicly read thereafter in room 2404. Bids shall cover the following:

Civic Center Burner Replacement

Bid Number: 20-29

Work on this project includes but is not limited to replacing the isolation gate valves, burner, the burner controls and gas trains on the steam boilers for the Lorraine H. Morton Civic Center. The boilers are located in the Civic Center Powerhouse.

The above item shall conform to the Invitation for Bids on file in the Purchasing Office. Parties interested in submitting a bid should contact the Purchasing Office to receive a copy of the bid or see the City’s website at: www.cityofevanston.org/business/bids-proposals/ or Demandstar at: www.demandstar.com.

The City of Evanston (the City) in accordance with the laws of the State of Illinois, hereby notifies all Bidders that it will affirmatively ensure that the contract(s) entered into pursuant to this Notice will be awarded to the successful Bidders without discrimination on the ground of race, color, religion, sex, age, sexual orientation, marital status, disability, familial status or national origin. The State of Illinois requires under Public Works contracts that the general prevailing rate of wages in this locality be paid for each craft or type of worker hereunder. This requirement is in accordance with The Prevailing Wage Act (820 ILCS 130) as amended. The City of Evanston reserves the right to reject any or all submittals or to accept the submittal(s) deemed most advantageous to the City.

The Evanston City Council also reserves the right to award the contract to an Evanston firm if that firm's bid is within 5% of the low bid.

Each Bidder shall be required to submit with their bid a disclosure of ownership interest statement form in accordance with the provisions of City Code Section 1-18-1 et seq. Failure to submit such information will result in the disqualification of such bid.

Jillian Ostman
Purchasing Specialist
INSTRUCTIONS TO BIDDERS/REQUIREMENTS FOR BIDDING

1. **ON-LINE NOTIFICATION OF SOLICITATIONS**
   The City is utilizing Demandstar.com (www.demandstar.com) for on-line notification purposes only for sealed bids when it is anticipated that the amount of the resulting contract will be in excess of its formal bid limit of $25,000, such as this requirement. Interested Bidders are required to submit a sealed bid to the City by the date/time indicated for this requirement on the forms provided by the City.

2. **SUBMISSION OF BIDS**
   
   **A.** All bids will be received in The City of Evanston Purchasing Office, Room 4200, Lorraine H. Morton Civic Center, 2100 Ridge Avenue, Evanston, IL 60201. Cut out and tape label included in this bid package as Exhibit O (BID/Proposal Submittal Label). All submittals are to be placed in a sealed opaque envelope addressed to: The City of Evanston Purchasing Office, Room 4200, Lorraine H. Morton Civic Center, 2100 Ridge Avenue, Evanston, Illinois 60201; clearly marked on the OUTSIDE with the following:
   - Bid name and number
   - Name and address of Firm
   - Date and time of Bid deadline

   **B.** **NOTE:** Purchasing will accept bid responses in one of two formats:
   1. Three (3) copies of the bid information, as well as any other information required in the solicitation document, must be submitted on the forms provided with all blank spaces for bid prices filled in ink or typewritten and containing all required information. Each copy must contain the same information (except one set must have original signatures and stamps).
   2. An electronic PDF response on a USB drive (along with any paper bid bonds as required) may be submitted in lieu of paper copies.

   **C.** **ANY BIDS RECEIVED AFTER THE TIME AND DATE SPECIFIED FOR THE RECEIPT OF BIDS WILL BE RETURNED TO THE BIDDER UNOPENED.** It is the sole responsibility of the Bidder to insure that his or her bid is delivered by the stated bid opening time. Mailed bids which are delivered after the specified hour will not be accepted regardless of post marked time on the envelope. **THE CITY IS NOT RESPONSIBLE FOR MISDIRECTED PACKAGES.**

   **D.** Bids will be publicly opened on the date and time specified for the receipt of bids in designated room of the Lorraine H. Morton Civic Center in Evanston, Illinois.

   **E.** Any Bidder may withdraw his or her bid by letter or with proper identification by personally securing his or her bid at any time prior to the stated bid opening time. No telephone request for withdrawal of bids will be honored.

   **F.** No bids will be received via the internet.
3. **PREPARATION OF BIDS**
   The Bidder must prepare the bid on the attached bid forms. Unless otherwise stated, all blank spaces on the bid form or pages must be filled in. Either a unit price, lump sum price, or a "no-bid", as the case may be, must be stated for each and every item and must be either typed in or written in ink.

4. **SIGNING OF BIDS**
   A. Bids which are signed for a partnership should be signed in the firm’s name by all partners, or in the firm’s name by Attorney-in-Fact. If signed by Attorney-in-Fact, there should be attached to the bid a Power of Attorney evidencing authority to sign the bid, dated the same date as the bid and executed by all partners of the firm.

   B. Bids which are signed for a corporation should have the correct corporate name thereon and signature of an authorized officer of the corporation manually written below the corporate name following words "By: ______". title of office held by the person signing for corporation, which shall appear below signature of an officer.

   C. Bids which are signed by an individual doing business under a fictitious name should be signed in the name of the individual "doing business as. ______." 

   D. The name of each person signing the bid shall be typed or printed below his or her signature.

5. **CONSIDERATION OF BIDS**
   The Purchasing Specialist shall represent and act for the City in all matters pertaining to this bid and the contract in conjunction therewith.

6. **WITHDRAWAL OF BIDS**
   Bidders may withdraw or cancel their bids at any time prior to the advertised bid opening time. After the bid opening time, no bid shall be withdrawn or canceled for a period of sixty (60) calendar days. When contract approval is required by another agency, such as the Federal Government or the State of Illinois, no bid shall be withdrawn or canceled for a period of ninety (90) calendar days.

7. **ERRORS IN BIDS**
   Bidders are cautioned to verify their bids before submission. Negligence on the part of the respondent in preparing the bid confers no right for withdrawal or modification of the bid after it has been opened. In case of error in the extension of prices in the bid, unit prices will govern.

8. **ADDENDA**
   A. Any and all changes to the specifications/plans are valid only if they are included by written addendum to all Bidders. Each Bidder must acknowledge receipt of any addenda by indicating on the Bid form. Each Bidder, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid therein. Failure to acknowledge any addenda may cause the bid to be
rejected.

B. Addenda information is available over the internet at: City of Evanston Notices to Bidders or www.demandstar.com, or by contacting the Purchasing Office.

9. RESERVED RIGHTS
The City of Evanston reserves the right at any time and for any reason to cancel his or her solicitation, to accept or reject any or all bids or any portion thereof, or to accept an alternate response. The City reserves the right to waive any immaterial defect in any response. The City may seek clarification from any respondent at any time, and failure to respond within a reasonable time period, or as otherwise directed, will be cause for rejection.

10. AWARD
It is the intent of the City to award a contract to the lowest responsible Bidder meeting specifications. The City reserves the right to determine the lowest responsible Bidder on the basis of an individual item, groups of items, or in any way determined to be in the best interest of the City. Award will be based on the following factors (where applicable): (a) adherence to all conditions and requirements of the bid specifications; (b) price; (c) qualifications of the Bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities; (d) delivery or completion date; (e) product appearance, workmanship, finish, taste, feel, overall quality, and results of product testing; (f) maintenance costs and warranty provisions; and (g) repurchase or residual value.

11. INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS
Bidder’s shall promptly notify the City of any ambiguity, inconsistency, or error that they discover upon examination of the bidding documents. Interpretations, corrections, and changes will be made by addendum. Each Bidder shall ascertain prior to submitting a bid that all addenda have been received and are acknowledged in the bid.

12. INCONSISTENCIES AND OMISSIONS
These specifications and the accompanying plans, if any, are intended to include all information necessary for the work contemplated. If, by inadvertence or otherwise, the plans or specifications omit some information necessary for that purpose, the contractor shall, nevertheless, be required to perform such work at no additional cost to the City so that the project may be completed according to the true intent and purpose of the plans and specifications.

13. CONDITIONS
Bidders are advised to become familiar with all conditions, instructions, and specifications governing his or her bid. Once the award has been made, failure to have read all the conditions, instructions and specifications of this contract shall not permit the Bidder to amend contract or to request additional compensation.
14. VERIFICATIONS OF DATA
A. It is understood and agreed that the unit quantities given in these specifications are approximate only, and the contractor shall verify these quantities before bidding as no claim shall be made against the City on, or account of, any excess or deficiency in the same.
B. The contractor shall have visited the premises and determined for itself, by actual observation, boring, test holes, or other means, the nature of all soil and water conditions (both above and below ground in the line of work) that may be encountered in all construction work under this contract. The cost of all such inspection, borings, etc. shall be borne by the contractor, and no allowance will be made for the failure of the contractor to estimate correctly the difficulties attending the execution of the work.

15. SPECIFICATIONS
Reference to brand names and numbers is meant to be descriptive, not restrictive, unless otherwise specified. Bids on equivalent items will be considered, provided the Bidder clearly states exactly what is proposed to be furnished, including complete specifications. Unless the Bidder specifies otherwise, it is understood the Bidder is offering a referenced brand item as specified or is bidding as specified when no brand is referenced, and does not propose to furnish an “equal.” The City reserves the right to determine whether a substitute offer is equivalent to, and meets the standard of quality indicated by the brand name and number.

16. SAMPLES
When samples of items are called for by the specifications, samples must be furnished free of expense, and if not destroyed in the evaluation process will be returned at the Bidder’s expense upon request. Request for the return of samples must accompany the sample and must include a UPS/Fed-Ex Pickup Slip, postage, or other acceptable mode of return. Individual samples must be labeled with Bidder’s name, invitation number, item reference, manufacturer’s brand name and number.

17. REGULATORY COMPLIANCE
Each Bidder represents and warrants that the goods or services furnished hereunder (including all labels, packages and containers for said goods) comply with all applicable standards, rules and regulations in effect under the requirements of all Federal, State, and local laws, rules and regulations as applicable, including the Occupational Safety and Health Act as amended, with respect to design, construction, manufacture, or use for their intended purpose of said goods or services. Each Bidder must furnish a “Material Safety Data Sheet” in compliance with the Illinois Toxic Substances Disclosure to Employees Act when required.

18. PRICING
The price quoted for each item is the full purchase price, including delivery to
destination, and includes all transportation and handling charges, materials or service costs, patent royalties, and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period.

19. DISCOUNTS

Prices quoted must be net after deducting all trade and quantity discounts. Where cash discounts for prompt payment are offered, the discount period shall begin with the date of receipt of a correct invoice or receipt or final acceptance of goods, whichever is later.

20. INSPECTION

Materials or equipment purchased are subject to inspection and approval at the City's destination. The City reserves the right to reject and refuse acceptance of items which are not in accordance with the instructions, specifications, drawings or data of Seller's warranty (express or implied). Rejected materials or equipment shall be removed by, or at the expense of, the Seller promptly after rejection.

21. BIDS AND PLAN DEPOSITS

A. When required on the cover sheet, all bids shall be accompanied by a bid deposit in the amount specified. Bid deposits shall be in the form of cash, a certified check, or cashier's check drawn on a responsible bank doing business in the United States and shall be made payable to the City of Evanston. Bid Bonds are also acceptable. All bids not accompanied by a bid deposit, when required, will be rejected.

B. Within 20 days after the bid date the City will return the bid deposits of all but the 3 lowest qualified Bidders, whose deposit will be held until contract award or at the expiration of the sixty-day or ninety-day period for bid award.

C. The bid deposit of the successful Bidder will be retained until contract documents have been executed and the Contractor has submitted all the required information. Failure to comply with the terms of this specification may be cause for forfeiture of said deposit.

D. When required, plan deposits will be refunded should the plans be returned in good condition within 10 days of the bid opening.

22. DISPUTES

Any dispute concerning a question of fact arising under this bid shall be decided by the Purchasing Specialist, who shall issue a written decision to the Bidder. The decision of the Purchasing Specialist shall be final and binding.

23. CATALOGS

Each Bidder shall submit, when requested by the Purchasing Specialist, catalogs, descriptive literature, and detailed drawings, fully detailing features, designs, construction, appointments, finishes and the like not covered in the specifications, necessary to fully describe the material or work proposed to be furnished.
24. **TAXES**

A. Federal Excise Tax does not apply to materials purchased by the City of Evanston by virtue of Exemption Certificate No. A-208762, Illinois Retailers' Occupation Tax, Use Tax, and Municipal Retailers' Occupation Tax do not apply to materials or services purchased by the City of Evanston by virtue of Statute.

B. The City of Evanston is exempt from Illinois Sales Tax by virtue of Exemption Identification number E9998-1750-07.

C. The City's federal tax ID number is 36-6005870.

25. **PERMITS & FEES**

All Bidders awarded a contract must secure and pay for any licenses required by the City of Evanston. Necessary building permits will be required, but all permit fees will be waived and moneys for same must not be included in any bid.

26. **ROYALTIES & PATENTS**

Seller must pay all royalties and license fees. Seller must defend all suits or claims for infringement of any patent, copyright or trademark rights, and must hold the City harmless from loss on account thereof.

27. **LOCAL PREFERENCE POLICY**

The Evanston City Council reserves the right to award the contract to an Evanston firm if the firm’s bid is within five (5%) percent of the low bid of a non-Evanston firm.

28. **POWER OF ATTORNEY**

An Attorney-In-Fact, who signs any and all of the bond or contract bonds submitted with this bid, must file with each bond a certified and effectively dated copy of their Power of Attorney. These dates should be the same or after the date of the contract.

29. **WARRANTY**

A. The contractor warrants that all goods and services furnished to the City shall be in accordance with specifications and free from any defects of workmanship and materials: that goods furnished to the City shall be merchantable and fit for the City's described purposes, and that no governmental law, regulation, order, or rule has been violated in the manufacture or sale of such goods.

B. The contractor warrants all equipment furnished to be in acceptable condition, and to operate satisfactorily for a period of one (1) year from delivery of, or the completion of installation, whichever is latest, unless stated otherwise in the specifications, and that if a defect in workmanship and/or quality of materials are evidenced in this period, the Seller shall remit full credit, replace, or repair at City's discretion immediately, such equipment and/or parts that are defective at no additional cost to the City.
C.  The contractor warrants to the City that each item furnished hereunder, and any component part thereof, will be new and in conformity with the specifications in all respects, unless otherwise specified, and is of the best quality of its respective kind, free from faulty workmanship, materials, or design, and installed sufficiently to fulfill any operating conditions specified by the City.

D.  The contractor shall repair or replace any item or component part thereof found not to be in conformity with this paragraph provided the City notified the Seller of such nonconformity within one (1) year after initial use or within eighteen (18) months after delivery, whichever occurs first.  In the event Seller fails to proceed diligently to so replace or repair within a reasonable time after receipt of such notice, the City may undertake or complete such replacement or repair for Seller's account, and the seller will be responsible for any additional costs.  Acceptance shall not relieve the seller of its responsibility.

30.  INCURRED COSTS
The City will not be liable for any costs incurred by Bidders in replying to this invitation for bids.

31.  VARIANCES
Each Bidder must state or list by reference any variations to specifications, terms and/or conditions set forth herein with its bid.

32.  INDEMNIFICATION
A.  The awarded Bidder/Contractor shall defend, indemnify and hold harmless the City and its officers, elected and appointed officials, agents, and employees from any and all liability, losses, or damages as a result of claims, demands, suits, actions, or proceedings of any kind or nature, including but not limited to costs, and fees, including attorney’s fees, judgments or settlements, resulting from or arising out of any negligent or willful act or omission on the part of the Contractor or Contractor’s subcontractors, employees, agents or subcontractors during the performance of this Agreement.  Such indemnification shall not be limited by reason of the enumeration of any insurance coverage herein provided.  This provision shall survive completion, expiration, or termination of this Agreement.

B.  Nothing contained herein shall be construed as prohibiting the City, or its officers, agents, or employees, from defending through the selection and use of their own agents, attorneys, and experts, any claims, actions or suits brought against them.  The Contractor shall be liable for the reasonable costs, fees, and expenses incurred in the defense of any such claims, actions, or suits.  Nothing herein shall be construed as a limitation or waiver of defenses available to the City and employees and agents, including but not limited to the Illinois Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10/1-101 et seq.

C.  At the City Corporation Counsel’s option, Contractor must defend all suits brought
upon all such Losses and must pay all costs and expenses incidental to them, but
the City has the right, at its option, to participate, at its own cost, in the defense of
any suit, without relieving Contractor of any of its obligations under this Agreement.
Any settlement of any claim or suit related to this Project by Contractor must be
made only with the prior written consent of the City Corporation Counsel, if the
settlement requires any action on the part of the City.

D. To the extent permissible by law, Contractor waives any limits to the amount of its
obligations to indemnify, defend, or contribute to any sums due under any Losses,
including any claim by any employee of Contractor that may be subject to the
Illinois Compensation Act, 820 ILCS 305/1 et seq. or any other related law or
judicial decision, including but not limited to, Kotecki v. Cyclops Welding
Corporation, 146 Ill. 2d 155 (1991). The City, however, does not waive any
limitations it may have on its liability under the Illinois Workers Compensation Act,
the Illinois Pension Code or any other statute.

E. The Contractor shall be responsible for any losses and costs to repair or remedy
work performed under this Agreement resulting from or arising out of any act or
omission, neglect, or misconduct in the performance of its Work or its
subcontractors’ work. Acceptance of the work by the City will not relieve the
Contractor of the responsibility for subsequent correction of any such error,
omissions and/or negligent acts or of its liability for loss or damage resulting
therefrom.

F. All provisions of this Section 32 shall survive completion, expiration, or
termination of this Agreement.

33. DEFAULT
Time is of the essence as to the awarded contract and, of delivery or acceptable
items or rendering of services is not completed by the time promised, the City
reserves the right, without liability, in addition to its other rights and remedies, to
terminate the contract by notice effective when received by Seller, as to stated
items not yet shipped or services not yet rendered and to purchase substitute
items or services elsewhere and charge the Seller with all losses incurred. The
City shall be entitled to recover its attorney’s fees and expenses in any successful
action by the City to enforce this contract.

34. GOVERNING LAW
This contract shall be governed by and construed according to the laws of the
State of Illinois. In the event of litigation, the venue will be Cook County, Illinois.

35. EQUAL EMPLOYMENT OPPORTUNITY
A. In the event of the contractor’s noncompliance with any provision of the Illinois
Human Rights Act or Section 1-12-5 of the Evanston City Code, the contractor may
be declared non-responsible and therefore ineligible for future contracts or
subcontracts with the City of Evanston, and the contract may be canceled or voided.
in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by Statute or regulation.

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

1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin or ancestry, or age or physical or mental handicap that does not impair ability to work, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such under utilization. Contractor shall comply with all requirements of City of Evanston Code Section 1-12-5.

2. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.

3. That, if it hires additional employees in order to perform this contract, or any portion hereof, it will determine that availability (in accordance with the Fair Employment Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

4. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Fair Employment Practices Act and the Fair Employment Practices Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations hereunder.

5. That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Fair Employment Practices Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Commission's Rules and regulations for Public Contracts.

6. That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency, the City Manager, the Commission and the Illinois Fair Employment Practices Commission for

7. That it will include verbatim or by reference the provisions of subsections (A) through (G) of this clause in every performance subcontract as defined in Section 2.10(b) of the Fair Employment Practices Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor; and that it will also include the provisions of subsections (A), (E), (F), and (G) in every supply subcontract as defined in Section 2.10(a) of the Fair Employment Practices Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith. In addition, no contractor will utilize any subcontractor declared by the Fair Employment Practices Commission to be non-responsible and therefore ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

36. M/W/EBE GOAL

The City of Evanston has a goal of awarding 25% of its contracts to Minority-Owned, Women-Owned, and Evanston-based businesses (M/W/EBEs). All Bidders must state the proposed involvement of M/W/EBEs in completing a portion of the services required by the City by completing the attached M/W/EBE forms. Any questions regarding M/W/EBE compliance should be submitted in writing to Sharon A. Johnson, Business Workforce Compliance Coordinator at shjohnson@cityofevanston.org or Tammi Nunez Purchasing Manager at tnunez@cityofevanston.org.

37. LOCAL EMPLOYMENT PROGRAM REQUIREMENTS

In an effort to increase hiring of economically disadvantaged Evanston residents on certain City construction projects, the contractor shall comply with the provisions of the City of Evanston's Local Employment Program Ordinance (LEP) set forth in Section 1-17-1 (C) of the Evanston City Code. The intent of the LEP is to have Evanston residents employed at the construction site as laborers, apprentices and journeymen in such trades as electrical, HVAC, carpenters, masonry, concrete finishers, truck drivers and other construction occupations necessary for the project. Any questions regarding LEP compliance should be submitted in writing to Sharon A. Johnson, Business Workforce Compliance Coordinator at shjohnson@cityofevanston.org or Tammi Nunez Purchasing Manager at tnunez@cityofevanston.org.

NOTE: CITY OF EVANSTON ORDINANCE 60-O-14 AMENDMENT LOCAL
EMPLOYMENT PROGRAM (LEP) available on the City website at: Ordinance 60-O-14 Amendment LEP

38. Questions
All questions related to this bid document should be submitted in writing to Jillian Ostman, Purchasing Specialist at jostman@cityofevanston.org with a copy to Shane Cary, at scary@cityofevanston.org. Only inquiries received a minimum of seven (7) working days prior to the date set for the opening of bids, will be given any consideration.

39. COORDINATION OF EXISTING SITE WITH DRAWINGS
A. Before submitting a bid, bidders shall carefully examine the drawings and specifications, visit the site, and fully inform themselves as to all conditions and limitations.

B. Should a bidder find discrepancies in, or omissions from the drawings or specifications, or should be in doubt as to their meaning, the bidder should at once notify the Purchasing Specialist, who will issue necessary instructions to all bidders in the form of an addendum.

40. AFFIRMATIVE ACTION IN SUB-CONTRACTING (EXCERPT FROM RESOLUTION 59-R-73)
“Contractor agrees that he shall actively solicit bids for the subcontracting of goods or services from qualified minority businesses. At the request of the City, Contractor shall furnish evidence of his compliance with this requirement of minority solicitation. Contractor further agrees to consider the grant of subcontracts to said minority bidders on the basis of substantially equal bids in the light most favorable to said minority businesses. Contractor further affirms that in obtaining his performance and bid bonds, he will seek out and use companies who have records of, and/or who will make commitments to, the bonding of minority contractors on a rate basis comparable to their bonding of similar non-minority contractors. The contractor may be required to submit this evidence as part of the bid or subsequent to it.”

41. COMPLIANCE WITH LAWS
A. The bidder shall at all times observe and comply with all laws, ordinances and regulations of the Federal, State, Local and City Governments, which may in any manner affect the preparation of bids or the performance of the contract.

42. QUALIFICATION OF BIDDERS
A. All bidders must be qualified in accordance with the instructions, procedures and methods set forth in this specification.

B. In awarding contract, City may take into consideration, skill, facilities, capacity, experience, ability, responsibility, previous work, financial standing of bidder, amount of work being carried on by bidder, quality and efficiency of construction
equipment proposed to be furnished, period of time within which proposed equipment is furnished and delivered, necessity of prompt and efficient completion of work herein described. Inability of any bidder to meet requirements mentioned above may be cause for rejection of the bid. In addition, if the project covered by this contract is a minority set-aside project, the contractor's qualifications as a minority firm will determine the eligibility of the contractor to bid.

43. COMPETENCY OF BIDDER

A. No bid will be accepted from or contract awarded to any person, firm or corporation that is in arrears or is in default to the City of Evanston upon any debt or contract, or that is a defaulter, as surety or otherwise, upon any obligation to said City, or had failed to perform faithfully any previous contract with the City.

B. The bidder, if requested, must present within forty eight (48) hours evidence satisfactory to the Purchasing Manager of performance ability and possession of necessary facilities, pecuniary resources and adequate insurance to comply with the terms of these specifications and contract documents.

44. PREFERENCE TO CITIZENS

The Contractor shall abide by the Illinois Preference Act, 30 ILCS 570 et seq., which stipulates that whenever there is a period of excessive unemployment in Illinois, defined as any month immediately following two (2) consecutive months during which the level of unemployment in Illinois exceeds five percent (5%) as measured by the U.S. Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ only Illinois laborers unless otherwise exempted as so stated in the Act. (“Illinois laborer” means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident) Other laborers may be used IF Illinois laborers are not available or are incapable of performing the particular type of work involved if so certified by the Contractor and approved by the project engineer.
GENERAL CONDITIONS

1. BASIS OF AWARD
   The City of Evanston reserves the right to award a contract to a responsive and responsible Bidder(s) who submits the lowest total bid, or to reject any or all bids and bidding, when in its opinion the best interest of the City will be served by such action. The City reserves the right to consider the specified alternates in its evaluation of the bids.

2. BIDS
   A. LUMP SUM BID
      1. The bidder is to submit a lump sum bid for each bid line on the Bid Form which includes all costs incidental to performing the specified work. It is understood and agreed that the unit quantities given in the supporting pages are approximate only and the bidder shall verify these quantities before bidding as no claim shall be made against the City on account of any excess or deficiency in the same.

3. QUANTITIES
   Any quantities shown on the Bid Form are estimated only for bid canvassing purposes, the City has made a good faith effort to estimate the quantity requirements for the Contract term. The City reserves the right to increase or decrease quantities ordered under this contract.

4. CONTRACT TERM
   Bidder must fully complete the work within the period specified herein after award of the contract by the City.

5. PURCHASE ORDER/CONTRACT
   A. Upon approval of the required bonds and insurance documents, the City will issue a Purchase Order to the Contractor for the contract amount. All Applications for Payment must reference the Purchase Order number.

   B. When it is necessary to issue a Change Order that increases/decreases the contract amount, a Change Order form will be issued and a modified Purchase Order will be issued reflecting the revised contract amount.

   C. When it is necessary to issue a Change Order that only increases/decreases the contract period, only a Change Order form will be issued establishing the revised contract period.

   D. Upon Award the contractor shall execute the Contractor Services Agreement.

6. PAYMENT
   A. Progress payments will be made in accordance with “Applications for Payment” and
“Project Closeout” sections of the specifications, less a 10% retainage for each payment, which will be held until final acceptance of the work by the City. Certification of each Application for Payment will be made by the City’s representative.

B. All payments will be made in accordance with Illinois Local Government Prompt Payment Act.

7. DECISIONS TO WITHHOLD CERTIFICATION FOR PAYMENT
   A. The City may not certify payment and may withhold payment in whole or in part, to the extent reasonably necessary to protect the City, if the quality of the work is not in accordance with the contract documents. If the City is unable to certify payment in the amount of the invoice, the City will promptly issue payment for the amount of the Work completed in accordance with the contract documents. The City may not certify payment due to any contractor negligence or contract non-compliance.
      a. Defective work not remedied
      b. Third party claims filed or reasonable evidence indicating probable filing of such claims
      c. Failure of Contractor to make payments properly to Subcontractors for labor, materials or equipment
      d. Reasonable evidence that the work cannot be completed for the unpaid balance of the Contract Sum
      e. Damage to the City or another contractor
      f. Reasonable evidence that the work will not be completed within the Contract period and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay
      g. Persistent failure to carry out work in accordance with the Contract Documents.

8. CHANGES IN WORK
   A. The City reserves the right to make changes in the plans and specifications by altering, adding to, or deducting from the work, without invalidating the contract. All such changes shall be executed under the conditions of the original contract, except that any claim for extension of time caused thereby shall be adjusted at the time of ordering such change.

   B. No change shall be made unless a written Change Order and/or modified Purchase Order is issued by the City stating that the City has authorized the change, and no claim for an addition to the contract shall be valid unless so ordered.

   C. If such changes diminish the quantity of work to be done they shall not constitute a claim for damage or anticipated profits on the work, such increase shall be paid in one or more of the following ways:
      1. by estimate and acceptance in lump sum
2. by unit prices named in the contract’s bid form or subsequently agreed upon

9. **DEDUCTION FOR UNCORRECTED WORK**
   If the City deems it expedient to correct work damaged or not done in accordance with the contract, the difference in value, together with a fair allowance for damage shall be deducted from the contract amount due. The value of such deduction shall be determined by the City.

10. **CITY’S RIGHT TO TERMINATE CONTRACT**
    The City reserves the right, in addition to other rights to termination, to terminate the contracts in accordance with all provisions of the executed contract.

11. **LIENS**
    A. Neither the final payment nor any part of any retained percentages, shall become due until the contractor, if required, delivers to the City, a complete release of all liens arising out of this contract, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as it has knowledge or information the releases and receipts include all the labor and material for which a lien could be filed. If any lien remains unsatisfied after all payments are made the contractor shall refund to the City all moneys that the latter may be compelled to pay in discharging such a lien, including all costs and attorney's fees.

12. **SEPARATE CONTRACTS**
    A. The City reserves the right to let other contracts in connection with this work. The contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate his or her work with theirs. If any part of the contractor's work depends on proper execution or results upon the work of any other contractor, the contractor shall inspect and promptly report to the City any defects in such work that render it unsuitable for such proper execution and results. His or her failure to so inspect and report shall constitute an acceptance of other contractor's work as fit and proper.

    B. To insure the proper execution of his or her subsequent work, the contractor shall measure work already in place and shall at once report to the City any discrepancy between the executed work and the drawings which will affect his or her work.

13. **PROTECTION & SAFEGUARDS**
    A. Unless otherwise specified, the contractor, as a part of this contract, shall provide, erect and maintain temporary roads, fences, bracing, lights, warning signs, barricades, etc. necessary for the protection of the construction materials, adjacent property and the public.

    B. The contractor shall contact all utilities which will be affected by its operations and notify the owners of the utilities of its operations and their limits within forty-eight (48)
hours prior to beginning construction. The contractor shall be responsible for damage to utilities and shall, at his or her own expense, restore such property to a condition equal to that which existed before its work, as may be directed by the owners.

C. The contractor shall protect all work and unused materials of this contract from any and all damage and shall be solely responsible for the condition of such work and materials.

14. MATERIAL STORAGE
A. On-site areas may be designated for material/equipment storage. The contractor will assume all risk and liability associated with the storage of material/equipment at on-site locations.

15. CLEANING UP
A. The contractor shall at all times keep the premises free from accumulation of waste material or rubbish caused by its employees or work and at the completion of the work it shall remove all its rubbish, tools, and surplus materials from the premises, leaving the area in a neat and workmanlike condition. In case of dispute, the City may remove the rubbish and charge the cost to the contractor.

B. Contractor recognizes that proper cleanup and removal of construction debris is an important safety consideration. The Contractor shall be solely responsible for daily construction site/area cleanup and removal of all construction debris in accordance with City-approved disposal practices. Contractor shall be solely responsible for identifying and removing at its expense all hazardous material and waste which it uses and generates.

16. RESTORATION OF SITE
A. Prior to final payment, contractor shall fully restore all property disturbed or damaged during the course of this work. This includes, but is not limited to public property, (walks, curbs, roadways, trees, etc.) private property, and utilities. This shall also include removal of temporary facilities erected during the course of this contract and restoration of these areas.

B. All restoration work shall be subject to the approval of the City and shall restore the property to a condition at least equal to that existing prior to the start of this contract.

C. All restoration work of property damaged by contractor shall be accomplished at the sole expense of the contractor.

17. PREVAILING WAGE
A. Prospective Bidders shall thoroughly familiarize themselves with the provisions of the above-mentioned Act and shall prepare any and all bids/bids in strict compliance therewith.
B. All contractors and subcontractors on public works projects must submit certified payrolls on a monthly basis to the City’s project manager and business work force development coordinator, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the contractor is aware that filing records her or she knows to be false is a Class B misdemeanor.

C. The certified payroll record must include for every worker employed on the public works project the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, number of hours worked each day, and starting and ending time of work each day. These certified payroll records are considered public records and public bodies must make these records available to the public under the Freedom of Information Act, with the exception of the employee’s address, telephone number and social security number. Any contractor who fails to submit a certified payroll or knowingly files a false certified payroll is guilty of a Class B misdemeanor.

D. All certified payrolls shall be submitted in electronic format, preferably a PDF file.

E. As a condition of receiving payment, Contractor must (i) be in compliance with the Agreement, (ii) pay its employees prevailing wages when required by law (Examples of prevailing wage categories include public works, printing, janitorial, window washing, building and grounds services, site technician services, natural resource services, security guard and food services). Contractor is responsible for contacting the Illinois Dept. of Labor 217-782-6206; [http://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx](http://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx) to ensure compliance with prevailing wage requirements), (iii) pay its suppliers and subcontractors according to the terms of their respective contracts, and (iv) provide lien waivers to the City upon request.

18. CONTRACTOR REQUIREMENTS

A. The Contractor shall abide by and comply with all local, State and federal laws and regulations relating to contracts involving public funds and the development/construction of public works, buildings, or facilities. The scale of wages to be paid shall be obtained from Illinois Department of Labor and posted by the Contractor in a prominent and accessible place at the project work site.

B. The Contractor certifies it has not been barred from being awarded a contract with a unit of State or local government as a result of bid rigging or bid rotating or any similar offense (720 ILCS 5/33 E-3, E-4).

C. The Contractor certifies, pursuant to the Illinois Human Rights Act (775 ILCS 5/2-105), that it has a written sexual harassment policy that includes, at a minimum, the following information: (1) the illegality of sexual harassment, (2) the definition of sexual harassment under State law, (3) a description of sexual harassment utilizing examples, (4) the Contractor’s internal complaint process including penalties, (5) legal recourse, investigation and complaint process available through the Illinois...
Department of Human Rights and the Human Rights Commission and directions on how to contact both; and (6) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act.

D. The Contractor shall abide by the “Illinois Preference Act” which stipulates that whenever there is a period of excessive unemployment in Illinois, defined as any month immediately following two (2) consecutive months during which the level of unemployment in Illinois exceeds five percent (5%) as measured by the U.S. Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ only Illinois laborers unless otherwise exempted as so stated in the Act. (“Illinois laborer” means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident) Other laborers may be used IF Illinois laborers are not available or are incapable of performing the particular type of work involved if so certified by the Contractor and approved by the project engineer.

19. **SUBCONTRACTORS**

A. The term “Subcontract” means any agreement, arrangement or understanding, written or otherwise between a Contractor and any person (in which the parties do not stand in the relationship of an employer or an employee) for the furnishing of supplies or services or for the use of real or personal property, including lease arrangements, which, in whole or in part, is utilized in the performance of any one or more Contracts under which any portion of the Contractor’s obligation under any one or more Contracts is performed, undertaken or assumed.

B. The Bidder is specifically advised that any person, firm or party, to whom it is proposed to award a Subcontract under this contract must be acceptable to the City. Approval for the proposed Subcontract Award cannot be given by the City until the proposed Subcontractor has submitted evidence showing that it has fully complied with any reporting requirements to which it is, or was, subject.

C. The contractor, shall, within ten (10) days after award of the Contract, submit to the City in writing, names and addresses and respective amounts of money for proposed contracts with Subcontractors/major suppliers. The City will review and may direct the Contractor that they shall not employ any that are not acceptable as provided above.

D. The subcontractor shall abide by and comply with all local, State and federal laws and regulations relating to contracts involving public funds and the development/construction of public works, buildings, or facilities.

20. **PAYMENTS TO SUBCONTRACTORS**

A. Within seven days after the receipt of amounts paid by the City for work performed by a subcontractor under this contract, the Contractor shall either:

1. Pay the Subcontractor for the proportionate share of the total payment
received from the City attributable to the work performed by the Subcontractor under this contract; or,

2. Notify the City and Subcontractor, in writing, of his intention to withhold all or a part of the Subcontractor's payment and the reason for non-payment.

B. The Contractor shall pay interest to the Subcontractor on all amounts owed that remain unpaid beyond the seven day period except for amounts withheld as allowed in item 2 above.

C. Unless otherwise provided under the terms of this contract, interest shall accrue at the rate of one percent per month.

D. The Contractor shall include in each of its subcontracts a provision requiring each Subcontractor to include or otherwise be subject to the same payment and interest requirements as set forth above with respect to each lower-tier subcontractor.

E. The Contractor’s obligation to pay an interest charge to a Subcontractor pursuant to this provision may not be construed to be an obligation of the City.

21. BOND – PERFORMANCE, MATERIAL, & LABOR

A. When required by the specifications herein, the successful Bidder or Bidders shall, within ten (10) calendar days after acceptance of the Bidder's bid by the City, furnish a performance bond for 110% of the full amount of the contract from insurance companies having not less than A+ Policyholders Rating from the most recent Alfred M. Best and Co., Inc. listing available. Certification of the insurance company’s rating shall be provided prior to contract implementation and quarterly thereafter until contract completion. Should such rating fall below the required A+ level during performance of the contract, it will be the contractor’s responsibility to notify the City and provide a new bond from an insurance company whose rating meets the City’s requirements.

B. When required by the specifications herein, all Bidders shall submit with the bid a bid bond. A letter of credit may be furnished in lieu of a bid bond only if the following conditions are met: 1) An irrevocable letter of credit must be obtained from an accredited bank which shall include an agreement that the bank will honor a demand by the City for payment due to Plaintiff failure to complete the project. 2) An irrevocable letter of credit must be in writing and signed by an authorized representative of the bank. 3) The irrevocable letter of credit must expressly state that it is irrevocable until the bid has been awarded. 4) The letter of credit must be for the percentage specified in the bid documents.

C. The City may reject the use of an irrevocable letter of credit if the financial soundness of the issuing bank is found to be unacceptable.

D. In the event that the Bidder fails to furnish a performance bond in said period of
ten (10) calendar days after acceptance of the Bidder’s bid by the City, the City may withdraw its acceptance of the bid and retain the Bidder’s deposit as liquidated damages and not as a penalty.

E. If the contractor has more than one project for which there is a contract with the City of Evanston the contractor shall provide a separate Performance Bond for each project.

22. INDEMNITY

A. The Contractor shall defend, indemnify and hold harmless the City and its officers, elected and appointed officials, agents, and employees from any and all liability, losses, or damages as a result of claims, demands, suits, actions, or proceedings of any kind or nature, including but not limited to costs, and fees, including attorney’s fees, judgments or settlements, resulting from or arising out of any negligent or willful act or omission on the part of the Contractor or Contractor’s subcontractors, employees, agents or subcontractors during the performance of this Agreement. Such indemnification shall not be limited by reason of the enumeration of any insurance coverage herein provided. This provision shall survive completion, expiration, or termination of this Agreement.

B. Nothing contained herein shall be construed as prohibiting the City, or its officers, agents, or employees, from defending through the selection and use of their own agents, attorneys, and experts, any claims, actions or suits brought against them. The Contractor shall be liable for the reasonable costs, fees, and expenses incurred in the defense of any such claims, actions, or suits. Nothing herein shall be construed as a limitation or waiver of defenses available to the City and employees and agents, including but not limited to the Illinois Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10/1-101 et seq.

C. At the City Corporation Counsel’s option, Contractor must defend all suits brought upon all such Losses and must pay all costs and expenses incidental to them, but the City has the right, at its option, to participate, at its own cost, in the defense of any suit, without relieving Contractor of any of its obligations under this Agreement. Any settlement of any claim or suit related to this Project by Contractor must be made only with the prior written consent of the City Corporation Counsel, if the settlement requires any action on the part of the City.

D. To the extent permissible by law, Contractor waives any limits to the amount of its obligations to indemnify, defend, or contribute to any sums due under any Losses, including any claim by any employee of Contractor that may be subject to the Illinois Workers Compensation Act, 820 ILCS 305/1 et seq. or any other related law or judicial decision, including but not limited to, Kotecki v. Cyclops Welding Corporation, 146 Ill. 2d 155 (1991). The City, however, does not waive any limitations it may have on its liability under the Illinois Worker Compensation Act, the Illinois Pension Code or any other statute.
E. The Contractor shall be responsible for any losses and costs to repair or remedy work performed under this Agreement resulting from or arising out of any act or omission, neglect, or misconduct in the performance of its Work or its subcontractors' work. Acceptance of the work by the City will not relieve the Contractor of the responsibility for subsequent correction of any such error, omissions and/or negligent acts or of its liability for loss or damage resulting therefrom.

23. CONTRACTOR’S LIABILITY INSURANCE
A. THE CONTRACTOR SHALL NOT COMMENCE WORK UNDER THIS CONTRACT UNTIL THEY HAVE OBTAINED ALL INSURANCE REQUIRED HEREIN AND SUCH INSURANCE HAS BEEN APPROVED BY THE CITY. Nor shall the contractor allow any subcontractor to commence work until all similar insurance required of the subcontractor has been so obtained.

B. The City of Evanston shall be named as an additional insured on the policy of the contractor for whatever the policy limits are for the contractor, but in no event shall the Comprehensive General Liability limits be less than $3,000,000.00.

C. If the contractor has more than one project for which he has a contract with the City of Evanston there shall be separate Certificates of Insurance naming the City as an additional insured on each separate policy.

D. In the event of accidents, injuries, or unusual events, whether or not any injury occurred, the contractor shall promptly furnish the City with copies of all reports of such incidents.

E. The contractor shall furnish one (1) copy of a certificate, with the City named as an additional insured, showing the following minimum coverage with insurance company acceptable to the City.

24. PRE-CONSTRUCTION MEETING
A. A pre-construction meeting will be scheduled for the successful Contractor at a date immediately following awarding of the Contracts.

25. LIQUIDATED DAMAGES
A. The Contractor must commence work within 10 days of notice from the City and the work must be completed by 10/01/2020. In the event the work is not substantially completed by the substantial completion and final completion dates indicated in Section 01 01 00 Summary of Work, then in addition to any remedies available to the City, the Contractor will pay to the City the sum of Seven Hundred Fifty dollars per day for each calendar day beyond those dates, until substantial completion of the work has been achieved. This payment is for liquidated damages, in addition to any other damages that may be incurred by the City, and not as a penalty. All such liquidated damages may be set-off against any moneys that may be due the contractor.
B. Substantial Completion shall be defined as the stage in the progress of the work when the work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the City can occupy or utilize the work for its intended use. Substantial Completion will be certified by the issuance of a Certificate of Substantial Completion, to be issued by the City’s representative, when the Contractor has satisfied the above statement and billed the City for a minimum of 90% of the total value of the work.

26. EXTENSION OF TIME
A. Delays due to causes beyond the control of the contractor other than such as reasonable would be expected to occur in connection with or during the performance of the work, may entitle the contractor to an extension of time for completing the work sufficient to compensate for such delay. No extension of time shall be granted, however, unless the contractor shall notify the City in writing thereof, within ten (10) days from the initiation of the delay and unless he shall, within ten (10) days after the expiration of the delay, notify the City in writing of the extension of time claimed on account thereof and then only to the extent, if any, allowed by the City.

27. DEFAULT
A. The City may, subject to the provisions of this section, by written notice of default to Contractor, terminate the whole or any part of this contract in any one of the following circumstances:

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

B. In the event the City terminates this contract in whole or in part as provided in this section, the City may procure, upon such terms and in such manner as the City may deem appropriate, services similar to those so terminated, and the Contractor will be liable to the City for any excess costs for such similar services.

C. The Contractor will not be liable for any excess of costs if acceptable evidence has been submitted to the City that the failure to perform the contract was due to causes beyond the control and without fault or negligence of the Contractor.

D. Contractors who default may not be considered for awards of future City contracts.
28. USE OF PREMISES

A. The contractor shall confine his apparatus, the storage of materials and the operations of his workers, to limits indicated by law, ordinances, permits or directions of the City.

29. DISCLOSURES AND POTENTIAL CONFLICTS OF INTEREST (30 ILCS 500/50-35)

A. The City of Evanston’s Code of Ethics prohibits public officials or employees from performing or participating in an official act or action with regard to a transaction in which he has or knows he will thereafter acquire an interest for profit, without full public disclosure of such interest. This disclosure requirement extends to the spouse, children and grandchildren, and their spouses, parents and the parents of a spouse, and brothers and sisters and their spouses.

To ensure full and fair consideration of all bids, the City of Evanston requires all Bidders including owners or employees to investigate whether a potential or actual conflict of interest exists between the Bidder and the City of Evanston, its officials, and/or employees. If the Bidder discovers a potential or actual conflict of interest, the Bidder must disclose the conflict of interest in its bid, identifying the name of the City of Evanston official or employee with whom the conflict may exist, the nature of the conflict of interest, and any other relevant information. The existence of a potential or actual conflict of interest does NOT, on its own, disqualify the disclosing Bidder from consideration. Information provided by Bidders in this regard will allow the City of Evanston to take appropriate measures to ensure the fairness of the bidding process.

The City of Evanston requires all bidders to submit a certification, enclosed with this bid packet, that the bidder has conducted the appropriate investigation and disclosed all potential or actual conflicts of interest.

By submitting a bid, all Bidders acknowledge and accept that if the City of Evanston discovers an undisclosed potential or actual conflict of interest, the City of Evanston may disqualify the Bidder and/or refer the matter to the appropriate authorities for investigation and prosecution.
# INSURANCE REQUIREMENTS

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<tr>
<th>TYPE OF INSURANCE</th>
<th>MINIMUM INSURANCE</th>
<th>COVERAGE</th>
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<tr>
<td>Bodily Injury and Consequent Death</td>
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<td>Property Damage Each Occurrence</td>
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<td>Aggregate</td>
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<th>Commercial General Liability including:</th>
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<td>1. Comprehensive form</td>
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<td>2. Premises - Operations</td>
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<td>3. Explosion &amp; Collapse Hazard</td>
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<td>4. Underground Hazard</td>
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<td>5. Products/Completed Operations Hazard</td>
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<td>6. Contractual Insurance – With an endorsement on the face of the certificate that it includes the &quot;Indemnity&quot; paragraph of the specifications.</td>
<td>Insurance Certificate Must State: The City Of Evanston is Named as Additional Insured</td>
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<td>7. Broad Form Property Damage - construction projects only</td>
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<td>8. Independent contractors</td>
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<td>9. Personal Injury</td>
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Automobile Liability
Owned, Non-owned or Rented $1,000,000 $1,000,000

Workmen's Compensation and Occupational Diseases
As required by applicable laws.
Employer's Liability $500,000

Thirty day notice of cancellation required on all certificates.
EXHIBIT A – BID FORM
For
Civic Center Burner Replacement
(BID #20-29)

1.01 BID TO:

THE CITY OF EVANSTON
2100 Ridge Avenue
Evanston, Illinois 60201

hereinafter called “OWNER”.

1.02 BID FROM:

____________________________________
(Hereinafter call “BIDDER”)

____________________________________
Address

____________________________________
Telephone Number

____________________________________
Fax Number

1.03 BID FOR: Civic Center Burner Replacement

1.04 ACKNOWLEDGEMENT:

A. The Bidder, in compliance with the Invitation for Bids, having carefully examined the Drawings and Project Manual with related documents and having visited the site of the proposed Work, and being familiar with all of the existing conditions and limitations surrounding the construction of the proposed project, including the structure of the ground, subsurface conditions, the obstacles which may be encountered, local restrictions, and all other relevant matters concerning the Work to be performed, hereby PROPOSES to perform everything required to be performed, and to provide all labor, materials, necessary tools and equipment, expendable equipment, all applicable permits and taxes and fees, and provide all utility and transportation services necessary to perform and complete in a workmanlike
manner the Project in accordance with all the plans, specifications and related Contract Documents as prepared by the City of Evanston.

B. The undersigned hereby acknowledges receipt of Invitation of Bids, Instruction to Bidder, the Project Manual, Drawings, and other Contract Documents and acknowledges receipt of the following Addenda:

Addendum No. __________ Dated _____
Addendum No. __________ Dated _____
Addendum No. __________ Dated _____

1.05 GENERAL STATEMENTS

A. The undersigned has checked all of the figures contained in this proposal and further understands that the Owner will not be responsible for any errors or omissions made therein by the undersigned.

B. It is understood that the right is reserved by the Owner to reject any or all proposals, to waive all informality in connection therewith and to award a Contract for any part of the work or the Project as a whole.

C. The undersigned declares that the person(s) signing this proposal is/are fully authorized to sign on behalf of the named firm and to fully bind the named firm to all the conditions and provisions thereof.

D. It is agreed that no person(s) or company other than the firm listed below or as otherwise indicated hereinafter has any interest whatsoever in this proposal or the Contract that may be entered into as a result thereof, and that in all respects the proposal is legal and fair, submitted in good faith, without collusion or fraud.

E. It is agreed that the undersigned has complied and/or will comply with all requirements concerning licensing and with all other local, state and national laws, and that no legal requirement has been or will be violated in making or accepting this proposal, in awarding the Contract to him, and/or in the prosecution of the Work required hereunder.

F. To be considered a bona fide offer, this proposal must be completed in full and accompanied by a bid deposit or a bid bond when required by Contract Documents or Addenda.

1.06 ALTERNATES

A. When alternate proposals are required by Contract Documents or Addenda thereto, the undersigned proposes to perform alternates for herein stated additions to or deductions from hereinbefore stated Base Bid. Additions and deductions include all modifications of Work or additional Work that the undersigned may be required to perform by reason of the acceptance of alternates.
1.07 ALLOWANCE

A. The allowance is general and should be used in the event that any unforeseen condition is discovered. After discovering the unforeseen condition, the contractor shall submit a Found Condition Report (FCR) and an Authorization to Use Allowance (AUA) to the Consultant. The Consultant will then notify the Owner and both the Owner and the Consultant will view the unforeseen condition to determine if the work will be authorized. Under no circumstances shall the contractor move forward with the work in question nor shall the contractor expend allowance without an approved AUA. At the end of the project, unspent allowance shall be credited to owner via change order.

1.08 AGREEMENT

A. In submitting this Bid, the undersigned agrees:
   1. To hold this Bid open for sixty (60) days from submittal date.
   2. To enter into and execute a Contract with the Owner within ten (10) days after receiving Notice of Award from the Owner.
   3. To accomplish the work in accordance with the Contract Documents.
   4. To complete the work by the time stipulated in the General Conditions

B. The Owner reserves the right to reject any and all Bids and to waive any informalities in Bidding.

1.09 SCHEDULE

A. See General Conditions for required schedule of completion dates.

1.10 PROPOSED PRICES

A. The Bidder hereby proposes to furnish all labor, materials, equipment, transportation, construction plant and facilities necessary to complete, in a workmanlike manner and in accordance with the contract documents, the contract of work bid upon herein for compensation in accordance with the following prices:

   BASE BID AMOUNT: $___________________

   ALLOWANCE (ADDITIONAL WORK – GENERAL): $_______ +20,000

   TOTAL BASE BID AMOUNT: $___________________

1.12 BID SECURITY

Accompanying this proposal is a bank draft, bid bond, Cashier's check or Certified
check as surety in the amount of not less than five percent (5%) of the Total Bid payable to the City of Evanston.

The amount of the check or draft is: $______________________________

If this bid is accepted and the undersigned shall fail to execute a contract and contract bond as required it is hereby agreed that the amount of the check or draft or bidder's bond substituted in lieu thereof, shall become the property of the City and shall be considered as payment of damages due to delay and other causes suffered by the City because of the failure to execute said contract and contract bond; otherwise said check or draft shall be returned to the undersigned.

ATTACH BANK DRAFT, BANK CASHIER'S CHECK OR CERTIFIED CHECK HERE.

In the event that one check or draft is intended to cover two or more bids, the amount must be equal to the sum of the proposal guarantees of the individual sections covered.

If the check or draft is placed on another proposal, state below where it may be found, as follows: The check or draft will be found in the proposal for: __________________________.

1.13 PERFORMANCE/PAYMENT BOND

The undersigned bidder agrees to provide Performance Bond and Payment Bond executed in accordance with Contract Performance Bond form furnished by and acceptable to the Owner written with __________________________

in the amount of 110% of the Contract Sum (Total Base Bid and all accepted alternatives and adjustments) the cost of which is included in the Bid.

Cost of bond for change order is __________ percent of change order cost.

1.14 LIQUIDATED DAMAGES

The undersigned Bidder understands and agrees to the provisions stated under "LIQUIDATED DAMAGES" in the General Conditions and shall be assessed at the specified daily rate for each calendar day or partial calendar day until completion as defined herein.

1.15 MATERIAL SUBSTITUTION SHEET

The following is a schedule of substitute materials I propose to furnish on this job, with the difference in price being added to or deducted from the Base Bid. The Base Bid is understood to include only those items which are definitely specified by trade names or otherwise.
I understand that if no price difference is indicated, then the selection of materials is optional with the Owner, and approval or rejection of the substitution below will be indicated prior to signing of Contracts.

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<tr>
<th>PRODUCT NAME AND/OR MANUFACTURER</th>
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<th>DEDUCT</th>
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</tbody>
</table>
1.16 PROPOSAL SIGNATURE (REQUIRED)

A. SOLE PROPRIETOR

Signature of Bidder: ____________________________________________

SUBSCRIBED AND SWORN to before me this _____ day of______, 20__

___________________________________
Notary Public

Commission Expires: __________________

B. PARTNERSHIP

Signature of All Partners:

_________________________ Name (typed or printed)

_________________________ Name (typed or printed)

SUBSCRIBED AND SWORN to before me this ____ day of ____, 20___

___________________________________
Notary Public

Commission Expires: __________________

C. CORPORATION

Signature of Authorized Official: ______________________________________

Title: ____________________________________________________________

Name above (typed or printed): ______________________________________

(If other than the president, attach a certified copy of that section of corporate by-

laws or other authorization by the Corporation which permits the person to

execute the offer for the Corporation.)

(Corporate Seal)

Attest: __________________________________________

Secretary

SUBSCRIBED AND SWORN to before me this ____ day of ______, 20__

___________________________________
Notary Public

Commission Expires: __________________
1.17 DISCLOSURE

A. The undersigned duly sworn deposes and says on oath that the bidder has withheld no disclosures of ownership interest and the information provided herein to the best of its knowledge is current and said undersigned has not entered into any agreement with any other bidder or prospective bidder or with any other person, firm or corporation relating to the price named in said proposal or any other proposal, nor any agreement or arrangement under which any person, firm or corporation is to refrain from bidding, nor any agreement or arrangement for any act or omission in restraint of free competition among bidders and has not disclosed to any person, firm or corporation the terms of this bid or the price named herein.

Bidder: __________________________________________

Business Address: ________________________________

______________________________________________

Telephone Number: ______________________________

1.18 CONTACTS

A. In the event the Evanston City Council approves this bid response, list the name, address, telephone, and fax number of the person to be contacted:

Bidder: __________________________________________

Address: __________________________________________

______________________________________________

Telephone Number: ______________________________

Fax Number: ______________________________________
### 1.19 REFERENCES

A. Provide three (3) references for which your firm has completed work of a similar scope in the past.

<table>
<thead>
<tr>
<th></th>
<th>Name:</th>
<th>Address:</th>
<th>Contact Person:</th>
<th>Phone:</th>
<th>Contract Value:</th>
<th>Contract Dates:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Name: ______________________</td>
<td>Address: ______________</td>
<td>Contact Person:</td>
<td>__________________________</td>
<td>Contract Value:</td>
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<td>2</td>
<td>Name: ______________________</td>
<td>Address: ______________</td>
<td>Contact Person:</td>
<td>__________________________</td>
<td>Contract Value:</td>
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<td>3</td>
<td>Name: ______________________</td>
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<td>Contact Person:</td>
<td>__________________________</td>
<td>Contract Value:</td>
<td>Contract Dates:</td>
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<td>__________________________</td>
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</tbody>
</table>
EXHIBIT B

City of Evanston M/W/EBE Policy

A City of Evanston goal is to provide contracting and subcontracting opportunities to Minority Business Enterprises, Women Business Enterprises, and Evanston Business Enterprises. The goal of the Minority, Women and Evanston Business Enterprise Program (M/W/EBE) is to assist such businesses with opportunities to grow. To assist such growth, the City’s goal is to have general contractors utilize M/W/EBEs to perform no less than 25% of the awarded contract.

Firms bidding on projects with the City must work to meet the 25% goal or request a waiver from participation. It is advised that bidders place advertisements requesting subcontractors and that they email or contact individual firms that would be appropriate to partner in response to the project. For samples of possible advertisements, see the City of Evanston’s Business Diversity Section http://www.cityofevanston.org/business/business-diversity/ (Sample Advertisement). If you request a paper copy of the additional documents, it will be available free of charge from the Purchasing Office, 2100 Ridge Road Suite 4200, Evanston, IL 60201.

If a bidder is unable to meet the required M/W/EBE goal, the Bidder must seek a waiver or modification of the goal on the attached forms. Bidder must include:

1. A narrative describing the Bidder’s efforts to secure M/W/EBE participation prior to the bid opening.
2. Documentation of each of the assist agencies that were contacted, the date and individual who was contacted, and the result of the conversation (see form)
3. A letter attesting to instances where the bidder has not received inquiries/proposals from qualified M/W/EBEs
4. Names of owners, addresses, telephone numbers, date and time and method of contact of qualified M/W/EBE who submitted a proposal but were not found acceptable.
5. Names of owners, addresses, telephone numbers, date and time of contact of at least 15 qualified M/W/EBEs the bidder solicited for proposals for work directly related to the Bid prior to the bid opening (copies must be attached).

If a bidder is selected with a Subcontractor listed to meet the M/W/EBE goal, a “monthly utilization report” will be due to the City prior to each payment being issued to the Contractor. This report will include documentation of the name of the firm hired, the type of work that firm performed, etc. Should the M/W/EBE not be paid according to the schedule proposed in this document, the City reserves the right to cancel the contract. Examples of this monthly form can be found on the City’s website: http://www.cityofevanston.org/business/business-diversity/ (MWEBE Monthly Utilization Report).
EXHIBIT C

M/W/EBE PARTICIPATION COMPLIANCE FORM

I do hereby certify that

_________________________________________________ (Name of firm) intends to participate as a Subcontractor or General Contractor on the project referenced above.

This firm is a (check only one):

_____ Minority Business Enterprise (MBE), a firm that is at least 51% managed and controlled by a minority, certified by a certifying agency within Illinois.

_____ Women’s Business Enterprise (WBE), a firm that is at least 51% managed and controlled by a woman, certified by a certifying agency within Illinois.

_____ Evanston Based Enterprise (EBE), a firm located in Evanston for a minimum of one year and which performs a “commercially useful function”.

Total proposed price of response $_____________________
Amount to be performed by a M/W/EBE $_____________________
Percentage of work to be performed by a M/W/EBE ________________________%

Information on the M/W/EBE Utilized:

Name ________________________________________________
Address ______________________________________________
Phone Number __________________________________________
Signature of firm attesting to participation ________________________
Title and Date ____________________________________________

Please attach

1. Proper certification documentation if applying as a M/WBE and check the appropriate box below. This M/WBE will be applying with documentation from:

☐ Cook County ☐ Federal Certification
☐ State Certification ☐ Women’s Business Enterprise National Council
☐ City of Chicago ☐ Chicago Minority Supplier Development Council

2. Attach business license if applying as an EBE
EXHIBIT D

M/WEBE PARTICIPATION WAIVER REQUEST

I am __________________ of __________________, and I have authority to execute this certification on behalf of the firm. I __________________ do hereby certify that this firm seeks to waive all or part of this M/W/EBE participation goal for the following reason(s):

(CHECK ALL THAT APPLY. SPECIFIC SUPPORTING DOCUMENTATION MUST BE ATTACHED.)

______ 1. No M/W/EBEs responded to our invitation to bid.

______ 2. An insufficient number of firms responded to our invitation to bid.

   For #1 & 2, please provide a narrative describing the outreach efforts from your firm and proof of contacting at least 15 qualified M/W/EBEs prior to the bid opening. Also, please attach the accompanying form with notes regarding contacting the Assist Agencies.

______ 3. No subcontracting opportunities exist.

   Please provide a written explanation of why subcontracting is not feasible.

______ 4. M/W/EBE participation is impracticable.

   Please provide a written explanation of why M/W/EBE participation is impracticable.

Therefore, we request to waive _____ of the 25% utilization goal for a revised goal of _____%.

Signature: ________________________________ Date: ____________

(Signature)
## EXHIBIT E

### Construction Contractors’ Assistance Organizations (“Assist Agencies”) Form

<table>
<thead>
<tr>
<th>AGENCY</th>
<th>DATE CONTACTED</th>
<th>CONTACT PERSON</th>
<th>RESULT OF CONVERSATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Association of Asian Construction Enterprises (AACE)</strong>&lt;br&gt;5500 Touhy Ave., Unit K&lt;br&gt;Skokie, IL 60077&lt;br&gt;Phone: 847/5259693&lt;br&gt;Perry Nakachii, President</td>
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</tr>
<tr>
<td><strong>Black Contractors United (BCU)</strong>&lt;br&gt;400 W. 76th Street&lt;br&gt;Chicago, IL 60620&lt;br&gt;Phone: 773/483-4000; Fax: 773/483-4150&lt;br&gt;Email: <a href="mailto:bcunewera@ameritech.net">bcunewera@ameritech.net</a></td>
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<tr>
<td><strong>Chicago Minority Business Development Council</strong>&lt;br&gt;105 West Adams Street&lt;br&gt;Chicago, Illinois 60603&lt;br&gt;Phone: 312-755-8880; Fax: 312-755-8890&lt;br&gt;Email: <a href="mailto:info@chicagomsdc.org">info@chicagomsdc.org</a>&lt;br&gt;Shelia Hill, President</td>
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<tr>
<td><strong>Evanston Minority Business Consortium, Inc.</strong>&lt;br&gt;P.O. Box 5683&lt;br&gt;Evanston, Illinois 60204&lt;br&gt;Phone: 847-492-0177&lt;br&gt;Email: <a href="mailto:embrcinc@aol.com">embrcinc@aol.com</a></td>
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<tr>
<td><strong>Federation of Women Contractors</strong>&lt;br&gt;5650 S. Archer Avenue&lt;br&gt;Chicago, Illinois 60638&lt;br&gt;Phone: 312/360-1122; Fax: 312/360-0239&lt;br&gt;Email: <a href="mailto:FWCChiago@aol.com">FWCChiago@aol.com</a>&lt;br&gt;Contact Person: Beth Doria&lt;br&gt;Maureen Jung, President</td>
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<tr>
<td><strong>Hispanic American Construction Industry (HACIA)</strong>&lt;br&gt;901 W. Jackson, Suite 205&lt;br&gt;Chicago, IL 60607&lt;br&gt;Phone: 312/666-5910; Fax: 312/666-5692&lt;br&gt;Email: <a href="mailto:info@haciaworks.org">info@haciaworks.org</a></td>
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<tr>
<td><strong>Women’s Business Development Ctr.</strong>&lt;br&gt;8 S. Michigan Ave, Suite 400&lt;br&gt;Chicago, Illinois 60603&lt;br&gt;Phone: 312-853-3477; Fax: 312-853-0145&lt;br&gt;Email: <a href="mailto:wbdc@wbdc.org">wbdc@wbdc.org</a>&lt;br&gt;Cariol Dougal, Director</td>
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</table>

**PLEASE NOTE:** Use of Construction Contractor's Assistance Organization (Assist Agencies”) Form and agencies are for use as a resource only. The agencies and or vendors listed are not referrals or recommendations by the City of Evanston.
EXHIBIT F

CITY OF EVANSTON
LOCAL EMPLOYMENT PROGRAM (LEP) COMPLIANCE

Effective Date January 1, 2015

City of Evanston Ordinance 60-O-14, Local Employment Program (LEP) New Penalties:

- Ordinance 60-O-14, Amendment to the MWEBE/LEP revising the penalty section from a $100/per day to a 1.0% of total project value penalty can be found at: Ordinance 60-O-14 Amendment MWEBE LEP of the Evanston City Code Section 1-17-1 (C) can be found at Municode Library. The following are excerpts from Ordinance 60-O-14, Amending City Code Section 1-17-1(C)(11): Penalty.

If the contactor or subcontractor fails to comply: The City may impose a fine up to one percent (1.0%) of the approved project price in total. Contractors or subcontractors that are out of compliance due to a resident termination or resignation shall immediately notify the Business Workforce Compliance Coordinator of this occurrence within two (2) business days. Subsequently, the contractor or subcontractor shall have five (5) additional business days to replace a terminated or resigned worker with another resident.

If the contactor or subcontractor fails to comply: If the contractor or subcontractor fails to make the replacement or to notify the Business Workforce Compliance Coordinator of this occurrence, the offending party will also be subject to a penalty up to one percent (1.0%) of the approved project price. If the noncompliant contractor makes a good faith effort to replace the resident, the fine may be waived.

If the contactor or subcontractor fails to comply: At the sole discretion of the City, a contractor or subcontractor that has violated the terms of the Local Employment Program within a three-year period may be determined a non-responsible bidder and excluded from bidding on future projects for a period of not less than one year.

If the employee (LEP Evanston resident) fails to comply: At the sole discretion of the City, an employee that has been hired through the LEP may be removed from the program for a period of not less than one year for failing to adhere to program guidelines or due to termination by the contractor for cause. Such termination process will be reviewed by the Business Workforce Compliance Coordinator.

**Detailed Local Employment Program Instructions “How to Comply” can be found at: Local Employment Program Detailed Instructions**

Local Employment Program or Exhibit F Questions: City staff is available for assistance to help with compliance. Submit questions in writing to Sharon A. Johnson, Business Workforce Compliance Coordinator at shjohnson@cityofevanston.org.
I have read and understood the requirements of the City of Evanston Local Employment Program ("LEP") as set forth in City of Evanston Code Section 1-17-1(C): Local Employment Program. I intend to comply with the program as follows:

Estimated total labor cost = __________
15% of total labor cost = __________

_______ My total bid, including all alternates, is under $250,000, and the LEP does not apply.

_______ My total bid, including all alternates, is equal to or greater than $250,000, and I already employ, and will continue to employ for the duration of the contract for which I am submitting this bid, Evanston residents (residing in zip codes 60201 or 60202) for at least 15% of all hours worked at the construction site by construction trade workers.

_______ My total bid, including all alternates, is equal to or greater than $250,000, and I will employ, for the duration of the contract for which I am submitting this bid, through use of the City of Evanston database or otherwise, Evanston residents (residing in zip codes 60201 or 60202) for at least 15% of all hours worked at the construction site by construction trade workers.

_______ My total bid, including all alternates, is equal to or greater than $250,000, and I have been unable to comply with the LEP requirements but am willing to work with the City to achieve compliance.

_______ My total bid, including all alternates, is equal to or greater than $250,000, and after having made sincere attempt to comply as noted below, I seek a waiver on a portion or all of the LEP requirements on this contract. Complete next section “Reasons for Waiver Request” below.

I UNDERSTAND THAT FAILURE TO COMPLY WITH THE LEP, REGARDLESS OF INTENT, MAY RESULT IN MAXIMUM PENALTY AS SET FORTH IN CITY CODE SECTION 1-17-1(C)(11), AS AMENDED.

WAIVER WILL BE GRANTED ONLY AFTER SINCERE ATTEMPT TO COMPLY*

REASONS FOR WAIVER REQUEST: PLEASE CHECK ALL THAT APPLY AND COMPLETE INFORMATION REQUESTED:

1. I have made sincere attempt as otherwise indicated below, but have nonetheless been unable to comply.
   a. I do or will employ Evanston residents for the project, but such employment amounts to _____% of total labor cost.

2. The nature of the job is so technical that after having made sincere attempt as otherwise indicated below, I have been unable to locate any Evanston residents qualified to perform any aspects of the work. Please describe applicable job requirements/qualifications. Attach separate sheet if necessary:

   __________________________________________________________________________________
   __________________________________________________________________________________

*THE FOLLOWING DEMONSTRATE SINCERE ATTEMPT TO COMPLY: PLEASE CHECK EACH BOX COMPLETED, AS APPLICABLE:

3. I have utilized the local resident database and otherwise worked with the City in attempt to hire Evanston residents in compliance with LEP on this project, and have nonetheless been unable to comply;

4. I have placed one or more ads in a local newspaper seeking to hire Evanston residents in compliance with LEP on this project, and have nonetheless been unable to comply; and

5. If I am utilizing union labor, I have contacted Chicagoland labor unions to request Evanston residents for employment in compliance with LEP on this project, and have nonetheless been unable to comply.

I have read The City of Evanston, Local Employment Program (LEP) requirements as set forth in City Code Section 1-17-1(C): Local Employment Program. I understand and will comply with the LEP requirements for this project with respect to the job and/or any waiver, as applicable. I UNDERSTAND THAT IF MY APPLICATION IS NOT COMPLETE, MY BID MUST BE REJECTED.

SIGNED:

_____________________________  __________________________  ____________
Signature Printed Name and Title Date

On behalf of Company: ____________________________________________
EXHIBIT G

CERTIFICATION OF BIDDER REGARDING EQUAL EMPLOYMENT OPPORTUNITY
(Only if Contract Exceeds $10,000)

This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rules and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and, if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven calendar days after bid opening. No contract shall be awarded unless such report is submitted.

CERTIFICATION OF BIDDER

Name and Address of Bidder (Include ZIP Code)

IRS EMPLOYER I.D. NUMBER 36-______________________________

1. Bidder has participated in a previous contract or subcontract subject to the Equal Opportunity Clause.  ____Yes  ____No

2. Bidder has filed all compliance reports due under applicable instructions.  ____Yes  ____No

3. Have you ever been or are you being considered for sanction due to violation of Executive Order 11246, as amended?  ____Yes  ____No

Name:______________________________

Title: ______________________________

Signature: __________________________

Date: ______________________________
City of Evanston Ordinance 15-0-78 requires all persons (APPLICANT) seeking to do business with the City to provide the following information with their bid. Every question must be answered. If the question is not applicable, answer with "NA".

APPLICANT NAME: ________________________________

APPLICANT ADDRESS: ________________________________

TELEPHONE NUMBER: ________________________________

FAX NUMBER: ______________________________________

APPLICANT is (Check One)

1. Corporation ( ) 2. Partnership ( ) 3. Sole Owner ( ) 4. Association ( )
5. Other ( ) ______________________________________

Please answer the following questions on a separate attached sheet if necessary.

SECTION I - CORPORATION

1a. Names and addresses of all Officers and Directors of Corporation.

_________________________________________________________

_________________________________________________________

_________________________________________________________

1b. (Answer only if corporation has 33 or more shareholders.) Names and addresses of all those shareholders owning shares equal to or in excess of 3% of the proportionate ownership interest and the percentage of shareholder interest. (Note: Corporations which submit S.E.C. form 10K may substitute that statement for the material required herein.)

_________________________________________________________

_________________________________________________________

_________________________________________________________
1c. (Answer only if corporation has fewer than 33 shareholders.) Names and addresses of all shareholders and percentage of interest of each herein. (Note: Corporations which submit S.E.C. form 10K may substitute that statement for the material requested herein.)

__________________________________________________________________

__________________________________________________________________

SECTION 2 - PARTNERSHIP/ASSOCIATION/JOINT VENTURE

2a. The name, address, and percentage of interest of each partner whose interests therein, whether limited or general, is equal to or in excess of 3%.

__________________________________________________________________

__________________________________________________________________

2b. Associations: The name and address of all officers, directors, and other members with 3% or greater interest.

__________________________________________________________________

__________________________________________________________________

SECTION 3 - TRUSTS

3a. Trust number and institution.

__________________________________________________________________

3b. Name and address of trustee or estate administrator.

__________________________________________________________________

__________________________________________________________________
3c. Trust or estate beneficiaries: Name, address, and percentage of interest in total entity.

________________________________________  ______________________________

________________________________________  ______________________________

SECTION 4 - ALL APPLICANTS - ADDITIONAL DISCLOSURE

4a. Specify which, if any, interests disclosed in Section 1, 2, or 3 are being held by an agent or nominee, and give the name and address of principal.

________________________________________  ______________________________

________________________________________  ______________________________

4b. If any interest named in Section 1, 2, or 3 is being held by a "holding" corporation or other "holding" entity not an individual, state the names and addresses of all parties holding more than a 3% interest in that "holding" corporation or entity as required in 1(a), 1(b), 1(c), 2(a), and 2(b).

____________________________________________________________________

________________________________________  ______________________________

4c. If "constructive control" of any interest named in Sections 1, 2, 3, or 4 is held by another party, give name and address of party with constructive control. ("Constructive control" refers to control established through voting trusts, proxies, or special terms of venture of partnership agreements.)

________________________________________  ______________________________

________________________________________  ______________________________
I have not withheld disclosure of any interest known to me. Information provided is accurate and current.

____________________
Date

____________________
Signature of Person Preparing Statement

____________________
Title

ATTEST: ____________________________  (Notary Seal)

Notary Public

Commission Expires: ________________________
EXHIBIT I

ADDITIONAL INFORMATION SHEET

Bid/Proposal Name: ____________________________________________

Bid/Proposal Number #: ________________________________________

Company Name: ________________________________________________

Contact Name: _________________________________________________

Address: ______________________________________________________

City, State, Zip: _______________________________________________

Telephone/FAX: #______________________________________________

E-mail: _________________________________________________________

Comments: ___________________________________________________

________________________________________________________________

________________________________________________________________

________________________________________________________________

________________________________________________________________

________________________________________________________________

________________________________________________________________
EXHIBIT J

CERTIFICATE OF COMPLIANCE
WITH PREVAILING WAGE RATE ACT

The undersigned, upon being first duly sworn, hereby certifies to the City of Evanston, Cook, County, Illinois, that all work under this contract shall comply with the Prevailing Wage Rate Act of the State of Illinois, 820 ILCS 130 et seq, and as amended by Public Acts 86-799 and 86-693 and current City of Evanston Resolution, with rates to be paid in effect at time work is performed. Contractors shall submit monthly certified payroll records to the city.

Name of Contractor: ________________________________

By: ________________________________

By: State of ______________, County of ______________

Subscribed and sworn to before me this ____________ day
of____________, ____________.

Notary Public
EXHIBIT K

MAJOR SUBCONTRACTORS LISTING

The following Tabulation of Major Subcontractors shall be attached and made a condition of the Bid. The Bidder expressly understands and agrees to the following provisions:

A. If awarded a Contract as a result of this Bid, the major subcontractors used in the prosecution of the work will be those listed below.

B. The following list includes all subcontractors who will perform work representing 5% (five percent) or more of the total Base Bid.

C. The subcontractors listed below are financially responsible and are qualified to perform the work required.

D. The subcontractors listed below comply with the requirements of the Contract Documents.

E. Any substitutions in the subcontractors listed below shall be requested in writing by the Contractor and must be approved in writing by the Owner. All pertinent financial, performance, insurance and other applicable information shall be submitted with the request for substitutions(s). Owner shall respond to such requests within 14 calendar days following the submission of all necessary information to the full satisfaction of the Owner.

<table>
<thead>
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(Attach additional sheets as required)

END OF SECTION
EXHIBIT L

CONFLICT OF INTEREST

__________________________________________, hereby certifies that it has conducted an investigation into whether an actual or potential conflict of interest exists between the Bidder, its owners and employees and any official or employee of the City of Evanston.

Bidder further certifies that it has disclosed any such actual or potential conflict of interest and acknowledges if Bidder/proposer has not disclosed any actual or potential conflict of interest, the City of Evanston may disqualify the bid/proposal.

(Name of Bidder/proposer if the Bidder/proposer is an Individual)
(Name of Partner if the Bidder/proposer is a Partnership)
(Name of Officer if the Bidder/proposer is a Corporation)

The above statements must be subscribed and sworn to before a notary public.
Subscribed and Sworn to this _______ day of ______________, 20

__________________________________________
(Notary Seal)
Notary Public

Commission Expires: ________________
SIGNATURE FORM
THE SECTION BELOW MUST BE COMPLETED IN FULL AND SIGNED

The undersigned hereby certifies that they have read and understand the contents of this solicitation and attached service agreements, and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or to accept any request for additional compensation. By signing this document, the proposer hereby certifies that they are not barred from bidding on this contract as a result bid rigging or bid rotating or any similar offense (720 ILCS 5/33 E-3, E-4).

Authorized Signature: ____________________________________________

Company Name: _________________________________________________

Typed/Printed Name: _____________________________________________

Date: __________________________________________________________

Title: __________________________________________________________

Telephone Number: _____________________________________________

E-mail __________________________________________________________

Fax Number: ___________________________________________________
The City has attached its standard contractor services agreement as an exhibit to this bid document. Identify all exceptions to the agreement that would prevent your firm from executing it. The City shall not consider or negotiate regarding exceptions submitted at any time after the submission of the Bidder’s response. Please check one of the following statements:

_____ I have read the contractor services agreement and plan on executing the agreement without any exceptions.

_____ My firm cannot execute the City’s standard contractor service agreement unless the exceptions noted below or in the attached sample contractor services agreement are made.

***Please be aware that submitting exceptions to the contract may impact the likelihood of your firm being selected to perform this work.

List exceptions in the area below:

____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________

Authorized Signature: ___________________________ Company Name: ___________________________

Typed/Printed Name and Title: ___________________________ Date: ___________________________
CONTRACTOR SERVICES AGREEMENT

The parties referenced herein desire to enter into an agreement for professional services for

Civic Center Burner Replacement

(BID #20-29)

THIS AGREEMENT (hereinafter referred to as the “Agreement”) is entered into between the City of Evanston, an Illinois municipal corporation with offices located at 2100 Ridge Avenue, Evanston Illinois 60201 (hereinafter referred to as the “City”), and [Insert Contractor name here], with offices located at [Insert Contractor address here], (hereinafter referred to as the “Contractor”). Compensation (the “Compensation”) for all basic services provided by the Contractor pursuant to the terms of this Agreement shall not exceed $[Insert fee here].

Revision June 2013
RECITALS

WHEREAS, the City intends to retain the services of a qualified and experienced contractor to replace the isolation gate valves, burner, the burner controls and gas trains on the steam boilers for the Lorraine H. Morton Civic Center. The boilers are located in the Civic Center Powerhouse. Please see the bid documents for a more detailed description.

WHEREAS, this Agreement shall include the following documents which are attached hereto:

a) City of Evanston Bid 20-29, attached as Exhibit A.

b) Contractor’s response to Bid 20-29, attached as Exhibit B.

c) Any subcontractor subcontracts related to this Agreement, attached as Exhibit C.

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, the parties agree as follows:

1 Services and Duties of the Contractor

1.1 The Contractor shall perform professional services and provide equipment (the “Work”) in accordance with Exhibits A, B, C and D. The Contractor retains the right to control the manner of performance of the services provided for in this Agreement and is an independent contractor and not agent or an employee of the City. All employees and subcontractors of the Contractor shall likewise not be considered to be employees of the City. Contractor is solely responsible for the means and methods of all work performed under the terms of this Agreement for this Project (“the Project”). Contractor is an independent Contractor and is solely responsible for all taxes, withholdings, and other statutory or contractual obligations of any sort, including but not limited to, Worker’s Compensation Insurance. Nothing in this Agreement accords any third-party beneficiary rights whatsoever to any non-party to this Agreement that any non-party may seek to enforce. Contractor acknowledges and agrees that should Contractor or its subcontractors provide false information, or fail to be or remain in compliance with this Agreement, the City may void this Agreement.

1.2 The Contractor warrants and states that it has read the Contract Documents, and agrees to be bound thereby, including all performance guarantees as respects Contractor’s work and all indemnity and insurance requirements. Contractor further affirms that it has visited the Project site and has become familiar with all special conditions, if any, at the Project site. Contractor shall perform the Work and its obligations under this Agreement in accordance with and subject to the Contract Documents to the full extent that each such provision is applicable to the Work. Contractor shall take necessary precautions to properly protect the Work of others, if any, from damage caused by operations under this Agreement. In addition, Contractor shall protect the work during normal and adverse weather conditions until the Project is complete and accepted by the City, or until the Contractor has fully completed its work under this Agreement. Contractor’s obligations include, but are not limited to, placing and adequately maintaining at or about all locations of Project work, sufficient guards, barricades, lights, and enclosures to protect the Work.
1.3 The Contractor shall not have any public or private interest and shall not acquire directly or indirectly any such interest which conflicts in any manner with the performance of its services under this Agreement.

1.4 The Contractor shall designate, in writing, a person to act as its Project Manager for the work to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define the Contractor’s policies and decisions with respect to the work covered by this Agreement.

1.5 The Contractor shall employ only persons duly licensed by the State of Illinois to perform the professional services required under this Agreement for which applicable Illinois law requires a license, subject to prior approval of the City. The Contractor shall employ only well qualified persons to perform any of the remaining services required under this Agreement, also subject to prior approval of the City. The City reserves the right to require replacement of Contractor, subcontractor, or supplier personnel for any reason. Contractor will replace the unacceptable personnel at no charge to the City. For all solicitations or advertisements placed by or on behalf of Contractor for employees for this Project it will state that the Contractor is an Equal Opportunity Employer.

1.6 Pursuant to the Illinois Freedom of Information Act, 5 ILCS 140/7(2), records in the possession of others whom the City has contracted with to perform a governmental function are covered by the Act and subject to disclosure within limited statutory timeframes (five (5) working days with a possible five (5) working day extension). Upon notification from the City that it has received a Freedom of Information Act request that calls for records within the Contractor’s control, the Contractor shall promptly provide all requested records to the City so that the City may comply with the request within the required timeframe. The City and the Contractor shall cooperate to determine what records are subject to such a request and whether or not any exemptions to the disclosure of such records, or part thereof, is applicable. Contractor shall indemnify and defend the City from and against all claims arising from the City’s exceptions to disclosing certain records which Contractor may designate as proprietary or confidential. Compliance by the City with an opinion or a directive from the Illinois Public Access Counselor or the Attorney General under FOIA, or with a decision or order of Court with jurisdiction over the City, shall not be a violation of this Section.

1.7 The Contractor shall obtain prior approval from the City prior to subcontracting with any entity or person to perform any of the work required under this Agreement. The Contractor may, upon request of the City, submit to the City a draft subcontractor agreement for City review and approval prior to the execution of such an agreement. Any previously entered into subcontractor agreement(s) are attached as Exhibit C. If the Contractor subcontracts any of the services to be performed under this Agreement, the subcontractor agreement shall provide that the services to be performed under any such agreement shall not be sublet, sold, transferred, assigned or otherwise disposed of to another entity or person without the City’s prior written consent. The Contractor shall be responsible for the accuracy and quality of any subcontractor’s work.

EXHIBIT N
1.8 The Contractor shall cooperate fully with the City, other City contractors, other municipalities and local government officials, public utility companies, and others, as may be directed by the City. This shall include attendance at meetings, discussions and hearings as requested by the City. This cooperation shall extend to any investigation, hearings or meetings convened or instituted by OSHA relative to this Project, as necessary. Contractor shall cooperate with the City in scheduling and performing its Work to avoid conflict, delay in or interference with the work of others, if any, at the Project.

1.9 The Contractor acknowledges that it shall enforce and comply with all applicable Occupational Safety and Health Administration standards (OSHA) for this Project in effect as of the date of the execution of this Agreement, or as otherwise promulgated by OSHA in the future taking effect during the pendency of this Project. Contractor shall enforce all such standards and ensure compliance thereto as to its own agents and employees, and as to the agents and employees of any subcontractor throughout the course of this Project. Contractor is solely responsible for enforcing and complying with all applicable safety standards and requirements on this Project, and is solely responsible for correcting any practices or procedures which do not comply with the applicable safety standards and requirements for this Project. Any Project specific safety requirements applicable to this Project must be followed by Contractor and any subcontractor(s) on the Project. Additionally, all such safety requirements shall be made a part of any subcontractor agreement.

1.10 The Contractor shall submit to the City a progress report each month this Agreement is in effect. The report shall include the following items:

a) A summary of the Contractor’s project activities, and any subcontractor project activities that have taken place during the invoice period;

b) A summary of the Contractor’s project activities and any subcontractor project activities, that shall take place during the next invoice period;

c) A list of outstanding items due to or from the City; and

d) A status of the Project schedule.

1.11 The Contractor shall perform the work required under this Agreement pursuant to high quality industry standards expected by the City. The Contractor shall apply for and receive all appropriate permits before performing any work in the City. The Contractor shall also provide the appropriate permit drawings for Building Permits to be issued for the Project, if said permits are obligated by the Project. The City will assist the Contractor with obtaining the appropriate building and right-of-way permits.

1.12 The Contractor shall provide drawings of record, in the following 3 electronic formats for all locations where equipment has been installed and/or work has been performed. The electronic formats required by this Section 1.12 are Auto Cad Version 2007, ArcView and PDF.

1.13 Contractor recognizes that proper cleanup and removal of construction debris is an important safety consideration. The Contractor shall be solely responsible for daily construction site/area cleanup and removal of all construction debris in accordance with City-approved disposal
practices. Contractor shall be solely responsible for identifying and removing at its expense all hazardous material and waste which it uses and generates.

1.14 To the extent that there is any conflict between a provision specified in this Agreement, with a provision specified in any of the other Contract Documents, as defined in Section 1.15, this Agreement shall control. The City and the Contractor may amend this Section 1.14 as provided by Section 15 herein.

The Contractor acknowledges and agrees that the City has no retained control over any of the Work done pursuant to this Agreement, and that the City is expressly exempt from the retained control exception as defined in the Restatement of Torts, Second, Section 414. This provision shall survive completion, expiration, or termination of this Agreement.

1.15 The Contract Documents for this Project consist of:

a) This Agreement;
b) The City’s RFP/RFQ, and the plans, specifications, general conditions, drawings addenda, and modifications thereto;
c) The Contractor’s response to the RFP/RFQ/Bid;
d) Other exhibits and schedules, if any, listed in this Agreement;
e) Amendments or Other Contract Documents, if any; and
f) Amendments/Modifications to this Agreement issued after execution thereof.

1.16 As a condition of receiving payment, Contractor must (i) be in compliance with the Agreement, (ii) pay its employees prevailing wages when required by law (Examples of prevailing wage categories include public works, printing, janitorial, window washing, building and grounds services, site technician services, natural resource services, security guard and food services). Contractor is responsible for contacting the Illinois Dept. of Labor 217-782-6206; [http://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx](http://www.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx) to ensure compliance with prevailing wage requirements), (iii) pay its suppliers and subcontractors according to the terms of their respective contracts, and (iv) provide lien waivers to the City upon request.

2 Standard Certifications

Contractor acknowledges and agrees that compliance with this section and each subsection for the term of the Agreement is a material requirement and condition of this Agreement. By executing this Agreement, Contractor certifies compliance with this section and each subsection and is under a continuing obligation to remain in compliance and report any non-compliance.

This section, and each subsection, applies to subcontractors used on this Agreement. Contractor shall include these Standard Certifications in any subcontract used in the performance of the Agreement.

If this Agreement extends over multiple fiscal years, Contractor and its subcontractors shall confirm compliance with this section in the manner and format determined by the City by the date

EXHIBIT N
specified by the City and in no event later than January 1 of each year that this Agreement remains in effect.

If the City determines that any certification in this section is not applicable to this Agreement, it may be stricken, subject to sole approval by the City, without affecting the remaining subsections.

2.1 As part of each certification, Contractor acknowledges and agrees that should Contractor or its subcontractors provide false information, or fail to be or remain in compliance with the Standard Certification requirements, one or more of the following sanctions will apply:

- the Agreement may be void by operation of law,
- the City may void the Agreement, and
- Contractor and its subcontractors may be subject to one or more of the following: suspension, debarment, denial of payment, civil fine, or criminal penalty.

2.2 By signing this Agreement, the Contractor certifies that it has not been barred from being awarded a contract with a unit of State or local Government as a result of bid rigging or bid rotating or similar offense, nor has it made any admission of guilt of such conduct that is a matter of public record. (720 ILCS 5/33 E-3, E-4).

2.3 In the event of the Contractor’s noncompliance with any provision of Section 1-12-5 of the Evanston City Code, the Illinois Human Rights Act or any other applicable law, the Consultant may be declared nonresponsible and therefore ineligible for future contracts or subcontracts with the City, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

2.4 During the term of this Agreement, the Contractor agrees as follows:

a) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, or age or physical or mental disabilities that do not impair ability to work, and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization. Consultant shall comply with all requirements of City of Evanston Code Section 1-12-5.

b) That, in all solicitations or advertisements for employees placed by it on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin, ancestry, or disability.

2.5 The Contractor certifies pursuant to the Illinois Human Rights Act (775 ILCS 5/2105 et. seq.), that it has a written sexual harassment policy that includes, at a minimum, the following information:
2.6 In accordance with the Steel Products Procurement Act (30 ILCS 565), Contractor certifies steel products used or supplied in the performance of a contract for public works shall be manufactured or produced in the U.S. unless the City grants an exemption.

2.7 Contractor certifies that it is properly formed and existing legal entity and as applicable has obtained an assumed name certificate from the appropriate authority, or has registered to conduct business in Illinois and is in good standing with the Illinois Secretary of State.

2.8 If Contractor, or any officer, director, partner, or other managerial agent of Contractor, has been convicted of a felony under the Sarbanes-Oxley Act of 2002, or a Class 3 or Class 2 felony under the Illinois Securities Law of 1953, Contractor certifies at least five years have passed since the date of the conviction.

2.9 Contractor certifies that if more favorable terms are granted by Contractor to any similar governmental entity in any state in a contemporaneous agreement let under the same or similar financial terms and circumstances for comparable supplies or services, the more favorable terms will be applicable under this Agreement.

2.10 Contractor certifies that it is not delinquent in the payment of any fees, fines, damages, or debts to the City of Evanston.

2.11 The Contractor certifies that all Design Professionals performing the Work under this Agreement will ensure that the Project shall be designed in conformance with the Americans with Disabilities Act of 1990, 42 U.S.C. Section 12101, et seq., and all regulations promulgated thereunder. Design Professional means any individual, sole proprietorship, firm, partnership, joint venture, corporation, professional corporation, or other entity that offers services under the Illinois Architecture Practice Act of 1989 (225 ILCS 305/), the Professional Engineering Practice Act of 1989 (225 ILCS 325/), the Structural Engineering Licensing Act of 1989 (225 ILCS 340/), or the Illinois Professional Land Surveyor Act of 1989 (225 ILCS 330/).

2.12 The Contractor shall comply with all federal, state and local laws, statutes, ordinances, rules, regulations, orders or other legal requirements now in force or which may be in force during the term of this Agreement. The Contractor shall comply with the Illinois Human Rights Act, 775 ILCS 5/1-101 et. seq, Title VII of the Civil Rights Act of 1964, and the Illinois Prevailing Wage Act, 820 ILCS 130/0.01 et. seq.
3 Additional Services/Change Orders

3.1 If the representative of the City responsible for the Project verbally requests the Contractor to perform additional services, the Contractor shall confirm in writing that the services have been requested and that such services are additional services. Failure of the City to respond to the Contractor’s confirmation of said services within thirty (30) calendar days of receipt of the notice shall be deemed a rejection of, and refusal to pay for the additional services. Contractor shall not perform any additional services until City has confirmed approval of said additional services in writing. If authorized in writing by the City, the Contractor shall furnish, or obtain from others, additional services of the following types, which shall be paid for by the City as set forth in Section 9 of this Agreement:

   a) Additional Services due to significant changes in scope of the Project or its design, including, but not limited to, changes in size, complexity or character of construction, or time delays for completion of work when such delays are beyond the control of the Contractor;
   b) Revisions of previously approved studies, reports, design documents, drawings or specifications;
   c) Preparation of detailed renderings, exhibits or scale models for the Project;
   d) Investigations involving detailed consideration of operations, maintenance and overhead expenses for the preparation of rate schedules, earnings and expense statements, feasibility studies, appraisals and valuations, detailed quantity surveys of material and labor, and material audits or inventories required for certification of force account construction performed by the City;
   e) Services not otherwise provided for in this Agreement.

3.2 The City may, upon written notice, and without invalidating this Agreement, require changes resulting in the revision or abandonment of work already performed by the Contractor, or require other elements of the work not originally contemplated and for which full compensation is not provided in any portion of this Agreement. Any additional services, abandonment of services which were authorized by the City, or changes in services directed by the City which result in the revision of the scope of services provided for in Exhibits A, B, C, and D that cause the total Compensation due Contractor under this Agreement to exceed $25,000 or more, or increase or decrease the contract duration by more than 30 days are subject to approval by the Evanston City Council. These actions must be addressed either in a written Change Order or in a written amendment to this Agreement approved by both parties.

3.3 Contractor acknowledges and agrees that the Public Works Construction Change Order Act, 50 ILCS 525/1 et seq. shall apply to all Change Orders for the Project. It is expressly understood and agreed to by Contractor that it shall not be entitled to any damages or Compensation from the City on account of delay or suspension of all or any part of the Work. Contractor acknowledges that delays are inherent in construction projects and Contractor assessed that risk and fully included that risk assessment within its contract sum specified in its Response to the City Bid for this Project. The City shall not compensate Contractor for work that is more difficult than the

EXHIBIT N
contract sum specified in its Response would reflect. Delays to minor portions of the Work will not be eligible for extensions of time.

Delays to the Project caused by labor disputes or strikes involving trades not directly related to the Project, or involving trades not affecting the Project as a whole will not be eligible for an extension of time.

The City will not grant an extension of time for a delay by the Contractor’s inability to obtain materials unless the Contractor first furnishes to the City documentary proof. The proof must be provided in a timely manner in accordance with the sequence of the Contractor’s operations and accepted construction schedule.

In addition to any other changes requested by City (as described in Sections 3.1 and 3.2), the Company shall be entitled to request (and the City may grant) Change Orders with respect to:

(a) The City-caused delays;
(b) Change in Law;
(c) Force Majeure Events.

The foregoing events shall entitle the Contractor to a change in the Compensation for this Project, if the Contractor demonstrates that it will unavoidably incur reasonable costs as a result thereof and the Contractor provides reasonable and detailed documentary support with respect to any such price impact.

The parties agree to reasonably confer regarding any such disputes with respect to the issuance of a Change Order.

Any payment for compensable delay will only be based upon actual costs excluding, without limitation, what damages, if any, the Contractor may have reasonably avoided. The Contractor understands that this is the sole basis for recovering delay damages and explicitly waives any right to calculate daily damages for office overhead, profit, or other purported loss.

All Contractor Change Orders authorized under this Section 3 shall be made in writing. In remitting a Change Order, the Contractor must first show in writing that:

(a) The work was outside the scope of this Agreement,
(b) The extra work was not made necessary due to any fault of Contractor;
(c) The circumstances said to necessitate the change in performance were not reasonably foreseeable at the time the Agreement was signed;
(d) The change is germane to the original Agreement; and
(e) The Change Order is in the best interest of the City and authorized by law.

Any person who fails to first obtain the City’s written authorization for a Change Order commits a Class 4 felony. The written determination and the written Change Order resulting from
that determination shall be preserved in the contract's file which shall be open to the public for inspection.

The City reserves all rights and causes of action, at law or equity, to seek redress against entities or persons who violate the requirements of this Section 3. By initialing below, Contractor hereby acknowledges that it is bound by this Section 3.

Contractor’s Initials: ___________

3.4 The Contractor is required to include the City of Evanston as a reference whenever and wherever the Contractor provides references for similar projects for a period of one (1) year from the date of Final Acceptance by the City of the Work for this Project.

4 Bonds

4.1 Before the Scheduled Construction Commencement Date, the Contractor is required to furnish unconditional performance and payment bonds in the amount of 110% of the Compensation as security for the faithful performance and completion of all the Contractor’s obligations under the Contract Documents and covering the payment of all materials used in the performance of this Agreement and for all labor and services performed under this Agreement. All Bonds shall be issued on a form acceptable to the City. The bonds must be for the entire term of the Agreement. Failure to provide these bonds shall constitute a breach of Contractor’s obligations under this Agreement. Each surety providing the Bonds must have a Best’s rating not less than A/X and be licensed in Illinois and shall be named in the current list of “Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies” as published in Circular 570 as published in the Federal Register and available on the website of the U.S. Department of the Treasury, Financial Management Service, at www.fms.treas.gov/c570/c570.html. All Bonds signed by an agent must be accompanied by a certified copy of his or her authority to act. It shall be the duty of the Contractor to advise the surety or sureties of any Change Orders that result in an increase to the Compensation and to ensure that the amounts of the Bonds are updated to reflect and cover any such increases throughout the course of the Project. The cost of such Bonds shall be included within the Compensation.

4.2 If the surety behind any Bond furnished by the Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in the State or it ceases to meet any of the requirements of this Contract, the Contractor shall, within [5] five days thereafter, substitute another Bond of equivalent value and surety, both of which must be acceptable to the City. In addition, no further progress payments under the Agreement will be made by the City until the Contractor complies with the provisions of this Agreement. The Contractor shall furnish to the City proof of any required bonds and proof of required insurance as one of the conditions precedent to payment under the Agreement. Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment or performance of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or authorize a copy to be furnished. All surety Bonds provided for in this Section shall incorporate by reference this Agreement, and any language that may be in any such surety Bond which conflicts with the provisions of this Agreement that define the
scope of the surety(‘s) duty(ies) shall be of no force and effect.

5 Liquidated Damages in the Event Contractor Fails to Complete the Work

5.1 The parties agree that failure of Contractor to timely complete the Work required by this Agreement constitutes a default. The parties agree that this default will result in damage and injury to City. The parties further agree, however, that actual damages incurred by City as result of such default is difficult if not impossible to ascertain with any degree of certainty or accuracy. Accordingly, the parties have negotiated and have agreed that for each calendar day after written notice is delivered to Contractor and Contractor fails to cure such default, that Contractor will pay City, as and for liquidated damages, and not as a penalty, the sum of seven hundred fifty dollars per day. Contractor shall reimburse the City for all costs, expenses and fees (including, without limitation, attorneys’ fees), if any, paid by the City in connection with such written demand by City. Contractor stipulates and agrees that the sums payable by Contractor under this Section are reasonable under the circumstances existing as of the execution of this Agreement. This Section 5.1 is not intended to limit any direct damages that may be recoverable by City related to the Contractor’s failure to complete the Work in accordance with this Agreement. There shall be no early completion bonus if the Work is completed before the substantial completion date. The City, at its option, may withhold liquidated damages from progress payments payable to Contractor before the substantial completion date.

6 The City’s Responsibilities

6.1 The City may evaluate the Contractor’s and any subcontractor’s performance (interim and final). Timeliness in meeting the Project schedule and the overall relationship with the Contractor are factors that will be considered in the Contractor’s performance rating. An unfavorable performance rating may be a factor when future assignments are being considered.

6.2 The City makes no representation or warranty of any nature whatsoever as to the accuracy of information or documentation provided by the City to the Contractor which were generated or provided by third parties.

7 Period of Service

7.1 The Contractor shall commence work on the Project after supplying the City with the Contractor’s performance and payment bonds and all required insurance documents before starting its Work on this Project. The City shall determine when the Contractor has completed the Work required pursuant to this Agreement, and shall determine the date of Final Acceptance. Contractor recognizes time is of the essence regarding its performance on this Project. Contractor shall continue to perform its obligations while any dispute concerning the Agreement is being resolved, unless otherwise directed by the City.
7.2 Each phase of the project shall be completed in accordance with the activities outlined in the City’s Bid 20-29, Exhibit A.

8 Payment for Services and Reimbursements

8.1 Within the first five (5) business days of each month, the Contractor shall invoice the City for Work completed during the previous month. The Contractor shall provide a detailed invoice that relates invoiced items to the Contractor’s response to Bid 20-29 in both quantity and unit cost. Any discrepancies in the monthly invoice shall be promptly brought to the attention of the Contractor by the City Project Manager and efforts shall be made to promptly resolve said discrepancies between the City and Contractor. In the event the City and Contractor cannot resolve invoice discrepancies, items in dispute will be removed from the invoice and the City shall approve the remainder of the invoice. Payment will be made as soon as possible following the City Council meeting in which the item appeared on the bills list, and in accordance with all applicable laws and rules of the City of Evanston and the State of Illinois.

8.2 In the event of termination by the City of this Agreement pursuant to paragraph 9.1 after completion of any phase of the basic services, fees due the Contractor for services rendered through such phase shall constitute final payment for such services, and no further fees shall be due to the Contractor. In the event of such termination by the City during any phase of the basic services, the Contractor shall be paid for services rendered on the basis of the proportion of work completed on the phase to date of termination.

8.3 The City shall have the right to withhold payment to the Contractor due to the quality of a portion or all of the work performed hereunder which is not in accordance with the requirements of this Agreement, or which is unsatisfactory, or is due to the Contractor’s failure or refusal to perform any of its obligations hereunder. Compensation in excess of the total contract amount specified in this Agreement will not be allowed unless justified in the City’s sole judgment and authorized in advance as provided for in Section 3 of this Agreement. Compensation for improper performance by the Contractor is disallowed.

8.4 Upon completion of the Work performed by the Contractor, prior to the submission of a request for final payment, the City and Contractor shall perform a final acceptance test and review of the Work performed and/or equipment installed pursuant to the Agreement. A punch list of items outstanding will be jointly developed by the City and Contractor. In addition, the Contractor shall submit drawings of record for the Project for the City to approve. The Contractor shall promptly resolve all punch list items to the satisfaction of the City, and shall transmit to the City in writing confirmation that all punch list items have been resolved. The City will review, and the Contractor shall modify, as necessary, any drawings of record to the satisfaction of the City. Punch list items and drawings of record must be approved by the City prior to the Contractor submitting its final invoice for payment.

8.5 The Contractor shall submit an Affidavit and a final waiver of its lien, and all final waivers of liens of any subcontractors, suppliers, and sub-subcontractors, if applicable, with its final invoice, stating that all obligations incurred in performance of the professional services have been paid in full. The Affidavit will also include a statement stating that the professional services were
performed in compliance with the terms of the Agreement. The Affidavit and all final lien waivers shall be on a form acceptable to the City.

8.6 All Project invoices shall be sent to:

Shane Cary
Architect/Project Manager
City of Evanston Public Works Agency
2100 Ridge Avenue
Evanston, Illinois 60201

with a copy to:

Public Works Agency
City of Evanston,
2100 Ridge Avenue
Evanston, Illinois 60201

9 Notice and Cure/Termination

9.1 In furtherance of Contractor’s Work on this Project, the City and the Contractor agree that the following Notice and Cure provision in this Section 9.1 shall apply during the duration of Contractor’s work on this Project, in addition to the reserved rights of the City enumerated in this Agreement as follows:

5.1 Liquidated Damages;
8.3 City’s right to withhold payment;
16.2 Contractor’s duty to revise and correct errors; and
16.3 Contractor’s duty to respond to City’s notice of errors and omissions.

The City may notify Contractor of its intent to terminate this Agreement within (7) seven calendar days of issuance by the City of written notice to Contractor’s Project Manager regarding defects in the Project or Contractor’s Work. The City shall specify any such nonconforming Work or defects in the Project in its notice to Contractor under this Section 9.1. Contractor will have the opportunity to cure the non-conforming Work within (7) seven calendar days after receipt of the written notice issued by the City. All such curative work done shall be performed and completed to the City’s satisfaction. Nothing in this Section 9.1 shall otherwise affect the City’s right to exercise its rights in Section 9.2.

9.2 The City shall have the right to terminate this Agreement upon fifteen (15) days written notice for any reason. Mailing of such notice shall be equivalent to personal notice and shall be deemed to have been given at the time of receipt.

Payments made by the City pursuant to this Agreement are subject to sufficient appropriations made by the City of Evanston City Council. In the event of termination resulting
from non-appropriation or insufficient appropriation by the City Council, the City’s obligations
hereunder shall cease and there shall be no penalty or further payment required.

9.3 Within thirty (30) days of termination of this Agreement, the Contractor shall turn
over to the City any documents, drafts, and materials, including but not limited to, outstanding work
product, data, studies, test results, source documents, AutoCad Version 2007, ArcView, PDF, Word,
Excel spreadsheets, technical specifications and calculations, and any other such items specifically
identified by the City related to the Work herein. Upon receipt of said items, the Contractor shall be
paid for labor and expenses incurred to the date of termination as provided in Section 8.2. This
Agreement is subject to termination by either party if either party is restrained by a state or federal
court of competent jurisdiction from performing the provisions of this Agreement. Upon such
termination, the liabilities of the parties to this Agreement shall cease, but they shall not be relieved
of the duty to perform their obligations through the date of termination. No lien shall be filed by the
Contractor in the event of a termination of this Agreement by the City.

9.4 If, because of death or any other occurrence, including, but not limited to, Contractor
becoming insolvent, it becomes impossible for any principal or principals of the Contractor to render
the services set forth in this Agreement, neither the Contractor, nor its surviving principals shall be
relieved of their obligations to complete the professional services. However, in the event of such an
occurrence, the City at its own option may terminate this Agreement if it is not furnished evidence
that competent professional services can still be furnished as scheduled.

9.5 In the event of an emergency or threat to the life, safety or welfare of the citizens of
the City, the City shall have the right to terminate this Agreement without prior written notice.

10 Insurance

10.1 The Contractor shall, at its own expense, secure and maintain in effect throughout the
duration of this contract, insurance against claims for injuries to persons or damages to property
which may arise from or in connection with the performance of the Work hereunder by the
Contractor, its agents, representatives, employees or subcontractors. Contractor acknowledges and
agrees that if it fails to comply with all requirements of this Section 10, the City may void the
Agreement.

The Contractor must give to the City Certificates of Insurance identifying the City to be an
Additional Insured for all Work done pursuant to this Agreement before City staff recommends
award of the contract to City Council. Any limitations or modifications on the Certificate(s) of
Insurance issued to the City in compliance with this Section that conflict with the provisions of this
Section 10 shall have no force and effect.

After award of the Contract to Contractor, the Contractor shall give the City a certified
copy(ies) of the insurance policy(ies) evidencing the amounts set forth in Section 10.2, and copies of
the Additional Insured endorsement to such policy(ies) which name the City as an Additional Insured
for all Work done pursuant to this Agreement before Contractor does any Work pursuant to this
Agreement. Contractor’s certificate of insurance shall contain a provision that the coverage afforded
under the policy(s) will not be canceled or reduced without thirty (30) days prior written notice (hand delivered or registered mail) to the City. Contractor shall promptly forward new certificate(s) of insurance evidencing the coverage(s) required herein upon annual renewal of the subject policies.

The policies and the Additional Insured endorsement must be delivered to the City within two (2) weeks of the request. All insurance policies shall be written with insurance companies licensed or authorized to do business in the State of Illinois and having a rating of not less than A-VII according to the A.M. Best Company. Should any of the insurance policies be canceled before the expiration date, the issuing company will mail thirty (30) days written notice to the City. The Contractor shall require and verify that all subcontractors maintain insurance meeting all of the requirements stated herein.

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

10.2 Contractor shall carry and maintain at its own cost with such companies as are reasonably acceptable to City all necessary liability insurance (which shall include as a minimum the requirements set forth below) during the term of this Agreement, for damages caused or contributed to by Contractor, and insuring Contractor against claims which may arise out of or result from Contractor’s performance or failure to perform the Services hereunder:

a) Worker’s compensation in statutory limits and employer’s liability insurance in the amount of at least five hundred thousand dollars ($500,000);

b) Comprehensive general liability coverage which designates the City as an additional insured for not less than three million dollars ($3,000,000) combined single limit for bodily injury, death and property damage, per occurrence;

c) Comprehensive automobile liability insurance covering owned, non-owned, and leased vehicles for not less than one million dollars ($1,000,000) combined single limit for bodily injury, death, or property damage, per occurrence; and

Contractor understands that the acceptance of Certificates of Insurance, policies, and any other documents by the City in no way releases the Contractor and its subcontractors from the requirements set forth herein.

Contractor expressly agrees to waive its rights, benefits and entitlements under the “Other Insurance” clause of its commercial general liability insurance policy as respects the City. Contractor expressly agrees that its insurance coverage is required to be primary by this Agreement, that its insurance coverage shall be on a primary and non-contributory basis, and that it and its insurance carrier are estopped from denying such coverage is primary. In the event Contractor fails to purchase or procure insurance as required above, the parties expressly agree that Contractor shall be in default under this Agreement, and that the City may recover all losses, attorney’s fees and costs expended in pursuing a remedy, or reimbursement, at law or in equity, against Contractor.

EXHIBIT N
11 Indemnification

11.1 The Contractor shall defend, indemnify and hold harmless the City and its officers, elected and appointed officials, agents, and employees from any and all liability, losses, or damages as a result of claims, demands, suits, actions, or proceedings of any kind or nature, including but not limited to costs, and fees, including attorney’s fees, judgments or settlements, resulting from or arising out of any negligent or willful act or omission on the part of the Contractor or Contractor’s subcontractors, employees, agents or subcontractors during the performance of this Agreement. Such indemnification shall not be limited by reason of the enumeration of any insurance coverage herein provided. This provision shall survive completion, expiration, or termination of this Agreement.

11.2 Nothing contained herein shall be construed as prohibiting the City, or its officers, agents, or employees, from defending through the selection and use of their own agents, attorneys, and experts, any claims, actions or suits brought against them. The Contractor shall be liable for the costs, fees, and expenses incurred in the defense of any such claims, actions, or suits. Nothing herein shall be construed as a limitation or waiver of defenses available to the City and employees and agents, including but not limited to the Illinois Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10/1-101 et seq.

At the City Corporation Counsel’s option, Contractor must defend all suits brought upon all such Losses and must pay all costs and expenses incidental to them, but the City has the right, at its option, to participate, at its own cost, in the defense of any suit, without relieving Contractor of any of its obligations under this Agreement. Any settlement of any claim or suit related to this Project by Contractor must be made only with the prior written consent of the City Corporation Counsel, if the settlement requires any action on the part of the City.

To the extent permissible by law, Contractor waives any limits to the amount of its obligations to indemnify, defend, or contribute to any sums due under any Losses, including any claim by any employee of Contractor that may be subject to the Illinois Workers Compensation Act, 820 ILCS 305/1 et seq. or any other related law or judicial decision, including but not limited to, Kotecki v. Cyclops Welding Corporation, 146 Ill. 2d 155 (1991). The City, however, does not waive any limitations it may have on its liability under the Illinois Workers Compensation Act, the Illinois Pension Code or any other statute.

11.3 The Contractor shall be responsible for any losses and costs to repair or remedy work performed under this Agreement resulting from or arising out of any act or omission, neglect, or misconduct in the performance of its Work or its subcontractors’ work. Acceptance of the work by the City will not relieve the Contractor of the responsibility for subsequent correction of any such error, omissions and/or negligent acts or of its liability for loss or damage resulting therefrom.

11.4 All provisions of this Section 11 shall survive completion, expiration, or termination of this Agreement.
12 Drawings and Documents

12.1 Any drawings, survey data, reports, studies, specifications, estimates, maps, plans, computations, and other documents required to be prepared by the Contractor for the Project shall be considered Works for Hire and the sole property of the City.

12.2 The Contractor and its subcontractor shall maintain for a minimum of three (3) years after the completion of this Agreement, or for three (3) years after the termination of this Agreement, whichever comes later, adequate books, records and supporting documents to verify the amounts, recipients and uses of all disbursements of funds passing in conjunction with the Agreement. The Agreement and all books, records and supporting documents related to the Agreement shall be available for review and audit by the City and the federal funding entity, if applicable, and the Contractor agrees to cooperate fully with any audit conducted by the City and to provide full access to all materials. Failure to maintain the books, records and supporting documents required by this Subsection shall establish a presumption in favor of the City for recovery of any funds paid by the City under the Agreement for which adequate books, records, and supporting documentation are not available to support their purported disbursement.

13 Successors and Assigns

13.1 The City and the Contractor each bind themselves and their partners, successors, executors, administrators, and assigns to the other party of the Agreement and to the partners, successors, executors, administrators, and assigns of such other party in respect to all covenants of this Agreement. Neither the City nor the Contractor shall assign, sublet, or transfer its interest in this Agreement without the written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of any public body, which may be a party hereto, nor shall it be construed as giving any right or benefits hereunder to anyone other than the City and the Contractor.

14 Force Majeure

14.1 Whenever a period of time is provided for in this Agreement for the Contractor or the City to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation:
   a) Acts of nature;
   b) Acts or failure to act on the part of any governmental authority other than the City or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement;
   c) Acts or war;
   d) Acts of civil or military authority;
   e) Embargoes;
   f) Work stoppages, strikes, lockouts, or labor disputes;
   g) Public disorders, civil violence, or disobedience;
   h) Riots, blockades, sabotage, insurrection, or rebellion;
i) Epidemics or pandemics;
 j) Terrorist acts;
 k) Fires or explosions;
 l) Nuclear accidents;
 m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities;
 n) Major environmental disturbances; or
 o) Vandalism.

If a delay is caused by any of the force majeure circumstances set forth above, the time period shall be extended for only the actual amount of time said party is so delayed. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence or it shall be deemed to be waived.

15 Amendments and Modifications

15.1 Except as otherwise provided herein, the nature and scope of Work specified in this Agreement may only be modified by a written Change Order, or a written amendment to this Agreement, approved by both parties. This Agreement may be modified or amended from time to time provided, however, that no such amendment or modifications shall be effective unless reduced to writing and duly authorized and signed by the authorized representatives of the parties.

16 Standard of Care & Warranty

16.1 The Contractor shall perform all of the provisions of this Agreement to the satisfaction of the City. The City shall base its determination of the Contractor’s fulfillment of the scope of the work in accordance with generally accepted professional standards applicable to the Work for this Project. The Contractor shall perform all of the provisions of this Agreement with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar conditions.

16.2 The Contractor shall be responsible for the accuracy of its professional services under this Agreement and shall promptly make revisions or corrections resulting from its errors, omissions, or negligent acts without additional compensation. The City’s acceptance of any of the Contractor’s professional services shall not relieve the Contractor of its responsibility to subsequently correct any such errors or omissions. If a Contractor has provided the City with specifications for this Project which are determined to be incorrect or which require revision during the solicitation process (including but not limited to Requests for Proposals, Requests for Qualifications, or bids), the Contractor shall make such corrections or revisions to the specifications at no cost to the City. Further, upon receipt of an invoice from the City, the Contractor shall promptly reimburse the City for the reasonable costs associated with the preparation and dissemination of said corrections or revisions to appropriate parties, including but not limited to preparation of the corrected or revised documents, and printing and distribution costs.

16.3 During the pendency of its Work on this Project, the Contractor shall respond to the
City’s notice of any errors or omissions within twenty-four (24) hours. The Contractor shall be required to promptly visit the Project site(s) if directed to by the City.

16.4 The Contractor shall comply with all federal, state, and local statutes, regulations, rules, ordinances, judicial decisions, and administrative rulings applicable to its performance under this Agreement.

16.5 Contractor guarantees and warrants to the City that:

a) All materials and equipment furnished under this Agreement shall be of good quality and new, unless otherwise required or permitted by the Contract Documents;

b) The Work of this Agreement shall be free from defects which are not inherent in the quality required; and

c) The Work shall comply with the requirements set forth in the Contract Documents.

This warranty and guarantee shall be for a period of one (1) year from the date of completion and Final Acceptance of the Work by the City, or as otherwise provided in the Contract Documents.

If, within the one year warranty period, after the Contractor has received a final payment under this Agreement, any of the Work is found to be not be in accordance with the requirements of this Agreement, or where defects in materials or workmanship may appear, or be in need of repair, the Contractor shall correct non-conforming and/or defective work or materials promptly after receipt of written notice from the City. Contractor shall immediately at its own expense repair, replace, restore, or rebuild any such Work. This remedy is in addition to any other legal or equitable remedies the City may have under this Agreement or the law.

This guarantee and warranty shall not relieve Contractor of liability for latent defects, and shall be in addition to the City’s rights under the law or other guarantees or warranties, express or implied.

16.6 The provisions of this Section 16 shall survive the completion, expiration or termination of this Agreement.

17 Savings Clause

17.1 If any provision of this Agreement, or the application of such provision, shall be rendered or declared invalid by a court of competent jurisdiction, or by reason of its requiring any steps, actions, or results, the remaining parts or portions of this Agreement shall remain in full force and effect.

18 Non-Waiver of Rights

18.1 No failure or delay by the City to exercise any power given to it hereunder or to insist upon strict compliance by Contractor with its obligations hereunder, nor any payment made by the City under this Agreement, shall constitute a waiver of the City’s right to demand strict compliance.
with the terms hereof, unless such waiver is in writing and signed by the City.

19 Entire Agreement

19.1 This Agreement sets forth all the covenants, conditions and promises between the parties with regard to the subject matter set forth herein. There are no covenants, promises, agreements, conditions or understandings between the parties, either oral or written, other than those contained in this Agreement. This Agreement has been negotiated and entered into by each party with the opportunity to consult with its counsel regarding the terms therein. No portion of the Agreement shall be construed against a party due to the fact that one party drafted that particular portion as the rule of contra proferentem shall not apply.

20 Governing Law

20.1 This Agreement shall be construed in accordance with and subject to the laws and rules of the City of Evanston and the State of Illinois both as to interpretation and performance. Venue for any action arising out of or due to this Agreement shall be in Cook County, Illinois. The City shall not enter into binding arbitration to resolve any dispute related to this Agreement. The City does not waive tort immunity by entering into this Agreement.

21 Ownership of Contract Documents

21.1 Contractor is specifically prohibited from using in any form or medium, the name or logo of the City for public advertisement, unless expressly granted written permission by the City. Submission or distribution of documents to meet official regulatory requirements or for similar purposes in connection with this Project is not to be construed as publication in derogation of the City’s reserved rights.

22 Notice

22.1 Any notice required to be given by this Agreement shall be deemed sufficient if made in writing and sent by certified mail, return receipt requested, or by personal service, to the persons and addresses indicated below or to such other addresses as either party hereto shall notify the other party of in writing pursuant to the provisions of this Subsection:

City of Evanston Project Manager, Bid 20-29  
2100 Ridge Avenue  
Evanston, Illinois 60201

if to the Contractor:

                                      
                                      

22.2 Mailing of such notice as and when provided above shall be equivalent to personal

EXHIBIT N
notice and shall be deemed to have been given at the time of mailing.

23 Severability

23.1 Except as otherwise provided herein, the invalidity or unenforceability of any particular provision, or part thereof, of this Agreement shall not affect the other provisions, and this Agreement shall continue in all respects as if such invalid or unenforceable provision had not been contained herein.

24 Execution of Agreement

24.1 This Agreement shall be signed last by the City Manager.

25 Counterparts

25.1 For convenience, this Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original.

26 Authorizations

26.1 The Contractor’s authorized representatives who have executed this Agreement warrant that they have been lawfully authorized by the Contractor’s board of directors or its bylaws to execute this Agreement on its behalf. The City Manager affirms that he/she has been lawfully authorized to execute this Agreement. The Contractor and the City shall deliver upon request to each other copies of all articles of incorporation, bylaws, resolutions, ordinances, or other documents which evidence their legal authority to execute this Agreement on behalf of their respective parties.

27 Time of Essence

27.1 Time is of the essence with respect to each provision hereof in which time is a factor.
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed by their duly authorized representatives. The effective date of this Agreement will be the date this Agreement is signed by the City Manager.

CONTRACTOR

By: ______________________________
Name: ____________________________
Its: ______________________________
Date: ______________

CITY OF EVANSTON

By: __________________________________
   Erika Storlie
Its: City Manager               Date: ______________

Approved as to form:

By: __________________________________
   Kelley Gandurski
Its: Corporation Counsel

Revision: March 2020
EXHIBIT O
BID/PROPOSAL SUBMITTAL LABEL

CUT AND ATTACH LABEL ON OUTSIDE OF SEALED BID/PROPOSAL SUBMITTAL

ADDRESS SUBMITTALS: CITY OF EVANSTON - PURCHASING OFFICE, ROOM 4200
LORRAINE H. MORTON CIVIC CENTER
2100 RIDGE AVENUE - EVANSTON, ILLINOIS 60201

SUBMITTAL NUMBER: __________________________________________________________

SUBMITTAL NAME: ____________________________________________________________

SUBMITTAL DUE DATE/TIME: __________________________________________________

COMPANY NAME: ____________________________________________________________

COMPANY ADDRESS: _________________________________________________________

COMPANY TELEPHONE #: ____________________________________________________

-----------------------------------------------------------------------------------------------------------------------------
PART 1 – GENERAL

1.01 GENERAL NOTE
A. The following requirements are a component part of all contract divisions and form a part of each specification section in so far as they may be in any way applicable thereto.

1.02 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this section.

1.03 SCHEDULE OF DRAWINGS
A. The following drawings form a component part of all contract documents for this project.

<table>
<thead>
<tr>
<th>Sheet No.</th>
<th>Drawing Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>Cover Sheet</td>
</tr>
<tr>
<td>M000</td>
<td>Mechanical Symbols and Abbreviations</td>
</tr>
<tr>
<td>E000</td>
<td>Electrical Symbols and Abbreviations</td>
</tr>
<tr>
<td>ME100</td>
<td>Boiler Room Mechanical Plans</td>
</tr>
<tr>
<td>TC100</td>
<td>Temperature Controls</td>
</tr>
</tbody>
</table>

1.04 PROJECT SUMMARY
A. Work on this project includes, but is not limited to replacing the isolation gate valves, burner, the burner controls, and gas trains on the steam boilers for the Lorrain H. Morton Civic Center. The boilers are located in the Civic Center Powerhouse.

1.05 SPECIAL PROCEDURES AND REQUIREMENTS
A. Fire Protection
1. Regulations: The Contractor shall comply with all federal, state and local fire regulations.
2. Fires: The Contractor shall prohibit the lighting of fires about the premises and use due diligence to see that such prohibition is enforced. Debris and waste materials shall not be burned at the construction site but shall be promptly removed to prevent the accumulation of combustibles on the site.
3. Smoking: Smoking shall be restricted to designated exterior locations. The Contractor shall furnish and post “NO SMOKING” signs at appropriate locations throughout the site where operations are conducted.
4. Flammables: Gasoline and other fuels shall be kept and handled from National Board of Fire underwriter’s approved safety cans and shall be stored away from hazardous work areas.

B. Limit of Contractor’s Operations
1. Work Areas: Work areas shall be confined to the limits of the construction site. The allotment of work areas within the site to Subcontractors shall be made by the Contractor. The general scheme of operations, work area assignments and use of the job site shall be subject to the Owner’s approval.
2. Site Access: Uncontrolled or unrestricted site access will not be permitted for materials, debris or equipment. All access routes and methods shall be controlled by the Contractor so as to minimize the disruption of the Owner’s operations and shall be subject to approval by the Owner. Walks, roads and other existing site features used in moving materials shall be properly protected to prevent damage thereto.

C. Hoists, Scaffolds and Ladders
1. Hoists: The Contractor shall furnish, erect, operate and maintain suitable hoisting equipment as may be necessary for constructing the work. Material hoists shall be constructed and maintained in accordance with all applicable
federal, state and local laws, regulations and ordinances. Location of hoists shall be subject to approval by the Owner’s representative.

2. Scaffolds and Ladders: The Contractor shall furnish, erect, maintain and move all scaffold and ladders required for his work. Scaffolds shall be constructed and maintained in accordance with all applicable federal, state and local laws, regulations and ordinances. Scaffolds and ladders shall be promptly removed after their purpose has been served.

D. Documentation of Existing Conditions

1. Before starting any work, the Contractor shall examine the site to be worked on and the grounds in the staging area and areas adjacent to the site that will be worked on for any existing damage. The Contractor should notify the City’s representative of any damage found immediately. The City will photograph and note any existing damage that has been brought to his attention by the Contractor. After the Work has been completed the City will inspect the area used by the Contractor. If any damage is found that was not reported previously, this damage would be considered to have been done by the Contractor. The cost to repair said damage shall be solely borne by the Contractor.

1.06 TEMPORARY CONSTRUCTION FACILITIES

A. The following temporary utilities and facilities on the construction site shall be provided by the party indicated below:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PROVIDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telephone</td>
<td>General Contractor</td>
</tr>
<tr>
<td>Electricity</td>
<td>Owner</td>
</tr>
<tr>
<td>Water</td>
<td>Owner</td>
</tr>
<tr>
<td>Toilets</td>
<td>General Contractor</td>
</tr>
<tr>
<td>Parking spaces for Contractor vehicles</td>
<td>Within job site only, no street parking</td>
</tr>
<tr>
<td>Parking spaces for workmen</td>
<td>Within job site only, no street parking</td>
</tr>
<tr>
<td>Storage areas &amp; facilities</td>
<td>Limited unsecured space within job site</td>
</tr>
<tr>
<td>Temporary heat</td>
<td>General Contractor</td>
</tr>
<tr>
<td>Job-site trailers &amp; offices</td>
<td>General Contractor</td>
</tr>
</tbody>
</table>

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 00 00
1.01 WORK COVERED BY CONTRACT DOCUMENTS
A. The Project Manual and accompanying drawings are intended to cover the work necessary to construct the various headings of work as described in detail herein.
B. The work to be performed under this contract shall consist of the furnishing of all materials, equipment, supplies, labor and transportation, and performing all work as required to strictly conform to the provisions of the specifications, schedules and drawings, all of which are made a part herein, together with such detail drawings as may be furnished by the Owner from time to time during the prosecution of the work in amplification of said drawings and specifications. This includes:
1. Replace (2) 8” main steam isolation gate valves at each boiler. Include chain wheel operator and chain.
2. Replace (2) 2-1/2” Hartford loop isolation gate valves at each boiler.
3. Demolish and replace burners, burner controls, and gas trains on two existing Kewanee Scotch Marine Fire-tube boilers.
4. Disconnect, but do not discard boiler safety devices, feed water controls, and any hard wired building controls.
5. Bid shall include installation of new burner mounting plate and refractory ring and mounting the supplied gas trains onto the burner and extending gas piping to the supply cutoff points.
6. Inspect existing boiler for any necessary refractory repairs and report to Owner along with proposal to address the repairs. After Owner’s approval, proceed with any approved repairs.
7. Reconfigure natural gas piping on boilers receiving new burners to meet NFPA 85 5.3.2.5 requirement for a drip leg before the gas train. Relocate existing gas meters downstream of the drip legs. Locate gas trains as close to new burners as possible. Reroute piping to accommodate.
8. If required, extend gas vents from gas pressure switches, regulators and normally open vent valves supplied with new burners to existing gas vent lines. Cap any vent piping no longer required.
9. Provide new unistrut frames to accommodate the new burner control panels furnished with each new burner.
10. Reuse existing drum level controls, and feed water pumps.
11. Replace primary and secondary low water cutoffs.
12. Reconnect main 208 volt power from existing disconnect switches into the new burner panels and from each panel to all of the components and devices furnished with the new burners.
13. Reconnect existing limit and permissive controls such as low water devices, draft controls, manual reset limit controls, and low fire hold controls as required for a fully operational burner system.
14. All electrical connections should be per burner manufacturer’s electrical diagrams.

1.02 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this section.

1.03 CONTRACT ORGANIZATION
A. This Construction Project is organized under a single contract between the Owner and the Contractor. The Contractor is responsible for all plans and specification sections as presented in this project manual.
1.04 WORK SEQUENCE
A. Construction period to occur during summer when boilers are not in service. All work must be complete, including start-up and commissioning prior to October 1, 2020. This is the substantial completion deadline.
B. Final completion of the construction project will be attained when all items from the final inspection report, prepared in conjunction with the designing engineer and the City of Evanston, are completed to the satisfaction of the City of Evanston.
C. The final completion deadline is November 20, 2020.
D. All work and sequence of operations shall be as scheduled in conjunction with all subcontractors, and the Owner in such a manner as not to hinder or delay any other contractors in the progress of their work, and to an end that will expedite the work to completion at the earliest possible date.
E. Both Contractor and Subcontractor shall cooperate to execute their work as scheduled to minimize the delays to each other and to cause the least inconvenience to the Owner and the public.

1.05 CONTRACTORS’ USE OF PREMISES
A. The Contract shall limit his use of the premises for work and for storage to allow for:
   1. Work by other contractors
   2. Owner occupancy
   3. Public use
B. Coordinate the use of the premises under direction of the Owner. Stage work so as to avoid disruption to Owner’s operation.
C. Assume full responsibility for the protection and safekeeping of products under this Contract, which are stored at the project site or on the Contractor’s property.
D. Move any stored products, under Contractor’s control, which interfere with operation of the Owner or separate contractor.
E. Obtain and pay for the use of additional storage or work areas needed for operations.

1.06 OWNER OCCUPANCY
A. Owner will not occupy the area within the construction fencing during construction.
B. The City and the public will maintain 24 hour access to all areas of the property outside of the construction fencing at all times.
C. Contractor shall not utilize or prevent access to existing utility easement areas during the entire construction period.

1.07 LINES, LEVELS AND LAYOUT OF WORK
A. The Contractor shall establish and guarantee all lines, levels, etc. called for on the drawings, including the lines, levels, etc. of all Subcontractors.

1.08 DESCRIPTION OF STRUCTURE
A. The work will be in the Lorraine H. Morton Civic Center Powerhouse. And, is confined to the boiler room.

1.09 WORK HOURS
A. Work hours are 7:00 am to 7:00 pm, Monday through Friday and 8:00 am to 5:00 pm on Saturday. No work is allowed on Sundays. Access to the site will not be allowed outside of normal work hours.

1.10 CONTRACTOR’S DUTIES
A. Except as specifically noted, provide and pay for:
   1. Labor, materials and equipment
   2. Tools, construction equipment and machinery
   3. Water, heat, and utilities required for construction or the Contractor’s operations
   4. Other facilities and services necessary for proper execution and completion of work, including traffic control and temporary work.
B. Promptly submit written notice to the Architect of any observed variance of the Contract Documents from legal requirements. It is not the Contractor's responsibility to make certain that the Drawings and Specifications comply with codes and regulations.
   1. Appropriate modifications to the Contract Documents will adjust the necessary changes.
   2. The Contractor shall assume responsibility for work known to be contrary to such requirements, and performed without such notice.

C. Enforce strict discipline and good order among employees. Do not employ on work:
   1. Unfit persons
   2. Persons not skilled in assigned task

D. Existing Conditions
   1. The Contractor shall be responsible for obtaining and verifying all dimensions. Any dimension given in the Drawings referring to existing construction were taken from the original construction documents and are provided for information only.
   2. Where conditions are uncovered that are not anticipated by the Drawings and Specifications, the Contractor shall notify the Engineer and Owner's Representative immediately, before any modification or other work is initiated.

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 01 00
SECTION 01 02 70  
APPLICATIONS FOR PAYMENT  

PART 1 – GENERAL  

1.01 SUMMARY  
A. Contractor shall comply with procedures described in this Section when applying for progress payments and final payment under the Contract.  

1.02 RELATED WORK  
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.  
B. Payments upon Substantial Completion and Completion of the Work are described in Section 01 70 00 – PROJECT CLOSEOUT.  
C. The Owner’s approval of applications for progress payment and final payment may be contingent upon the Owner’s approval of status of Project Record Documents as described in Section 01 72 00 – PROJECT RECORD DOCUMENTS of these Specifications.  

1.03 QUALITY ASSURANCE  
A. Prior to start of construction, secure the Owner’s approval of the schedule of values required to be submitted as specified below.  
B. During progress of the Work, modify the schedule of values as approved by the Owner to reflect changes in the Contract Sum due to Change Orders or other modifications of the Contract.  
C. All requests for payment shall be based on the approved Schedule of Values for the project.  
D. All modifications to the contract shall be based on the approved Schedule of Values for the project.  

1.04 SCHEDULE OF VALUES  
A. Coordinate preparation of the Schedule of Values with preparation of the Contractor’s Construction Schedule.  
   1. Correlate line items in the Schedule of Values with other required administrative schedules and forms, including:  
      a. Contractor’s construction schedule.  
      b. Application for Payment forms.  
      c. List of subcontractors.  
      d. Schedule of alternates.  
      e. List of products.  
      f. List of principal suppliers and fabricators.  
      g. Schedule of submittals.  
   2. Submit the Schedule of Values to the Owner at the earliest feasible date, but in no case later than seven (7) days before the date scheduled for submittal of the initial Application for Payment.  
B. The format and content of the Schedule of Values shall match the project’s unit pricing. The Contractor is strongly encouraged to utilize spreadsheet software for preparation of all pay applications.  
   1. Include the following Project identification on the Schedule of Values:  
      a. Project name and location.  
      b. Purchase order number.  
      c. Contractor’s name and address.  
      d. Date of submittal.  
   2. Arrange the Schedule of Values in tabular form with separate columns to indicate the following for each item listed:  
      a. Itemized description.  
      b. Related Specification Section  
      c. Name of subcontractor.  
      d. Name of manufacturer or fabricator.
1.05 PROCEDURES

A. Informal submittal
   2. Make this preliminary submittal to the Architect and Owner in accordance with the Owner’s payment schedule.
   3. Revise the informal submittal of the request for payment as directed by the Owner, initialing all copies.

B. Formal submittal
   1. Make formal submittal of request for payment by filling in the agreed data, by typewriter or neat lettering in ink, on AIA Document G702, “Application and Certification for Payment,” plus continuation sheet(s) of AIA Document G703.
   2. Sign and notarize the Application and Certificate for Payment.
   3. Reference Purchase Order number on Application for Payment.
   4. Secure and file with submittal progress waivers for all materials incorporated into and labor and equipment employed on the work before payment requests are processed.
      a. Initial payment will be processed without progress waivers. Subsequent requests will require progress waivers for previous payment.
   5. Submit the original of the Application and Certificate for Payment and the continuation sheet or sheets to the Architect and Owner for approval.
   6. The Architect and Owner will compare the formal submittal with the approved informal submittal and, when approved, will sign the Application and Certificate for Payment, will make and distribute required copies. The Owner will disburse directly to the Contractor the amount certified less 10% retainage.
   7. Approved formal submittals must be received by the Owner in accordance with the Owner’s payment schedule.
   8. Certified payroll records must be submitted along with the formal submittal as described in the General Conditions.

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 02 70
SECTION 01 02 80
CHANGE ORDER PROCEDURE

PART 1 GENERAL

1.1 SUMMARY
A. Make such changes in the Work, in the Contract Sum, in the Contract Time of Completion, or any combination thereof, as are described in written Change Orders and/or modified Purchase Orders issued by the Owner after execution of the Contract, in accordance with the provisions of this Section.

1.2 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.
B. Changes in the Work are described further in the General Conditions.
C. Bulletins
   1. From time to time during progress of the Work, the Owner may issue a bulletin, which interprets the Contract Documents or order minor changes in the Work without change in Contract Sum or Contract Time.
   2. Should the Contractor consider that a change in Contract Sum or Contract Time is required, he shall submit an itemized Proposal to the Owner immediately and before proceeding with the Work. All proposals shall be submitted on the attached forms and shall conform to the requirements, breakdowns and markups identified. If the proposal is found to be satisfactory and in proper order, the Owner will issue a Change Order and/or a modified Purchase Order.
   3. Issuance of a bulletin is not to be considered a Change Order and is not authorization to proceed with the changes described therein.

1.3 QUALITY ASSURANCE
A. The Owner will supply the Contractor with the standard City of Evanston Proposal form as attached.
B. Include within the Contractor’s quality assurance program such measures as are needed to assure familiarity of the Contractor’s staff and employees with these procedures for processing Change Order data.
C. During progress of the Work, modify the Schedule of Values as approved by the Owner to reflect changes in the Contract Sum due to Change Orders.

1.4 DELIVERY, STORAGE AND HANDLING
A. Maintain a “Register of Bulletins, supplemental instructions, Proposals and Change Orders” at the job site, accurately reflecting current status of all pertinent data.
B. Make the Register available to the Owner for review at their request.

1.5 PROCESSING BULLETINS AND PROPOSALS
A. Make written reply to the Owner in response to each Bulletin using the standard City of Evanston Proposal Form as attached.
1. The contractor shall break down and describe all work and costs by subcontractors and general contractor in terms of trade, raw costs, markup, subtotal and total.
2. The contractor shall include full backup data such as subcontractor’s letter of proposal or similar information.
3. The contractor shall be limited to the following markup percentages
   a. Item I – subcontractor’s markup on own work: 10%
   b. Item IB – general contractor’s overhead on subcontractor’s work: 8%
   c. Item II – general contractors markup on own work: 10%
4. The contractor shall identify any extension of time required to perform the work associated with the proposal on the proposal form. No extension of time will be granted for proposal items after change orders are accepted.
5. The contractor shall sign, date and submit proposal and accompanying backup data to the Owner for review.

B. When the Owner and the Contractor have agreed upon cost or credit for the change, the Owner will issue a Change Order and/or a modified Purchase Order to the Contractor.

1.6 PROCESSING CHANGE ORDERS

A. Change orders will be numbered in sequence and dated.
   1. The Change Order will describe the change or changes, will refer to the proposal(s) and bulletin(s) involved and will be signed by the Owner and the Contractor.
   2. The Owner will issue two copies of each Change Order to the contractor.
      a. The Contractor shall promptly sign both copies and return one copy to the Owner.

B. A modified Purchase Order will be issued with a Change Order, when necessary, in accordance with the General Conditions.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

END OF SECTION 01 02 80
SECTION 01 06 00
REGULATORY REQUIREMENTS

PART 1 – GENERAL

1.01 SUMMARY
A. Contractors shall comply with all laws, rules and regulations governing the Work.
   1. When Contractor observes that Contract Documents are in variance with specified codes, notify the Owner in writing immediately. The Owner will issue all changes in accord with the General Conditions.
   2. When Contractor performs any Work knowing or having reason to know that the Work is contrary to such laws, rules and regulations and fails to so notify the Owner, the Contractor shall pay all costs arising therefrom. However, it will not be the Contractor’s primary responsibility to make certain that the Contract Documents are in accord with such laws, rules and regulations.

1.02 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 DEFINITIONS AND ABBREVIATIONS
A. Definitions
   1. “Codes” means rules, regulations or statutory requirements of government agencies.
   2. “Standards” means requirements set by authorities, custom or general consent and establish accepted criteria.
B. Abbreviations
   1. ADA Americans with Disabilities Act
   2. AGCI Associated General Contractors in Illinois
   3. ANSI American National Standards Institute
   4. ASHRAE American Society of Heating, Refrigeration and Air Conditioning Engineers
   5. ASTM American Society of Testing and Materials
   6. COE City of Evanston
   7. CPSC Consumer Product Safety Commission (Federal)
   8. FM Factory Mutual Engineering Corp.
   9. IECA International Building Code
   10. IDOL Illinois Department of Labor
   11. IDOT Illinois Department of Transportation
   12. IDPH Illinois Department of Public Health
   13. IEPA Illinois Environmental Protection Agency
   14. IECC Internation Energy Conservation Code
   15. ISPE Illinois Society of Professional Engineers
   16. NFPA National Fire Protection Association
   17. SFM Office of State Fire Marshall
   18. UL Underwriters Laboratories, Inc.

1.04 QUALITY ASSURANCE
A. Contractor shall:
   1. Ensure that copies of specified codes and standards are readily available to Contractor’s personnel. Copies are available at Contractor’s expense from source or publisher.
   2. Ensure that Contractor’s personnel are familiar with workmanship and installation requirements of specified codes and standards.

1.05 REFERENCE SPECIFICATIONS
A. The Specifications referred to herein shall be interpreted to mean the following and shall include all addenda, changes to, etc. Reference to Engineer shall mean Owner.

1.06 REGULATORY REQUIREMENTS

A. Source and requirements:
1. EBA: “Environmental Barriers Act” Illinois Accessibility Code
2. ADA: Americans with Disabilities Act
4. IEPA: (current editions at date of bidding documents)
   a. Air Pollution Standards
   b. Noise Pollution Standards
   c. Water Pollution Standards
   d. Public Water Supplies
   e. Solid Waste Standards
   f. Illinois Recommended Standards for Sewage Work
5. Illinois Purchasing Act, as amended (Illinois Compiled Statutes, 30 ILCS 505/1 et seq)
6. OSFM:
   a. Gasoline and Volatile Oils (Illinois Compiled Statutes, 430 ILCS 15/0.01 et seq)
   b. Liquefied Petroleum Gases (Illinois Compiled Statutes, 430 ILCS 5/0.01 et seq)
   c. Liquefied Petroleum Gas Containers (Illinois Compiled Statutes, 430 ILCS 10/0.01 et seq)
   d. Boiler and Pressure Vessel Safety Act and Rules and Regulations (Illinois Compiled Statutes, 430 ILCS 75/1 et seq)
7. CODES:
   a. City of Evanston “City Ordinances” and “Building Code”, current editions.

B. The Owner may reference other codes or standards throughout the Project Manual when deemed appropriate for proper compliance with regulatory requirements.

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 06 00
SECTION 01 09 50
REFERENCE STANDARDS AND DEFINITIONS

PART 1 – GENERAL

1.01 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.02 DEFINITIONS
A. General: basic contract definitions are included in the General Conditions.
B. Indicated: the term “indicated” refers to graphic representations, notes or schedules on the Drawings, other paragraphs or schedules in the Specifications, and similar requirements in the Contract Documents. Where terms such as “shown,” “noted,” “scheduled” and “specified” are used, it is to help the reader locate the reference; no limitation on location is intended.
C. Directed: terms such as “directed,” “requested,” “authorized,” “selected,” “approved,” “required” and “permitted” mean “directed by the Owner,” “requested by the Owner” and similar phrases.
D. Approve: the term “approved,” where used in conjunction with the Owner action on the Contractor’s submittals, applications and requests, is limited to the Owner’s duties and responsibilities as stated in the General Conditions.
E. Regulation: the term “regulations” includes laws, ordinances, statutes and lawful orders issued by authorities having jurisdiction, as well as rules, conventions and agreements within the construction industry that control performance of the Work.
F. Furnish: the term “furnish” is used to mean “supply and deliver to the Project site, ready for unloading, unpacking, assembly, installation and similar operations.”
G. Install: the term “install” is used to describe operations at project site including the actual “unloading, unpacking, assembly, installation, erection, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning and similar operations.”
H. Provide: the term “provide” means “to furnish and install, complete and ready for the intended use.
I. Installer: an “installer” is the Contractor or an entity engaged by the Contractor, either as an employee, subcontractor or sub-subcontractor, for performance of a particular construction activity, including installation, erection, application and similar operations. Installers are required to be experienced in the operations they are engaged to perform.

1.03 INDUSTRY STANDARDS
A. Applicability of Standards: except where the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents. Such standards are made a part of the Contract Documents by reference.
B. Publication Dates: where the date of issue of a referenced standard is not specified, comply with the standard in effect as of date of Contract Documents.
C. Conflicting Requirements: where compliance with two or more standards is specified, and the standards establish different or conflicting requirements for minimum quantities or quality levels, refer requirements that are different, but apparently equal, and uncertainties to the Owner for a decision before proceeding.
1. Minimum Quality or Quantity Levels: the quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. In complying with these requirements, indicated numeric values are minimum or maximum, as appropriate for the context of the requirements. Refer uncertainties to the Owner for a decision before proceeding.
D. Copies of Standards: each entity engaged in construction on the Project is required to be familiar with industry standards applicable to that entity’s construction activity. Copies of applicable standards are not bound with the Contract Documents.
1. Where copies of standards are needed for performance of a required construction activity, the Contractor shall obtain copies directly from the publication source.

2. Although copies of standards needed for enforcement of requirements may be included as part of required submittals, the Owner reserves the right to require the Contractor to submit additional copies as necessary for enforcement of requirements.

E. Abbreviations and Names: trade association names and titles of general standards are frequently abbreviated. Where such acronyms or abbreviations are used in the Specifications or other Contract Documents, they mean the recognized name of the trade association, standards generating organization, authority having jurisdiction or other entity applicable to the context of the text provision. Refer to the “Encyclopedia of Associations,” published by Gale Research Co., available in most libraries. The following acronyms or abbreviations as referenced in Contract Documents are defined to mean the associated names. Names and addresses are subject to change and are believed to be but are not assured to be accurate and up to date as of date of Contract Documents.

<p>| AA | Aluminium Assoc. 900 19th St, SW, Suite 300 Washington, DC 20006 (202) 862-5100 | AAMA | American Architectural Manufacturer’s Assoc. 1540 E. Dundee Rd, Suite 310 Palatine, IL 60067 (708) 202-1350 | AAN | American Assoc. of Nurserymen 1250 Eye St, NW, Suite 500 Washington, DC 20005 (202) 789-2900 |
| AASHTO | American Assoc. of State Highway and Transportation Officials 444 N. Capitol St, Suite 225 Washington, DC 20001 (202) 624-5800 | ACI | American Concrete Institute PO Box 19150 Detroit, MI 48219-0150 (313) 532-2600 | ACIL | American Council of Independent Laboratories 1725 K St, NW Washington, DC 20006 (202) 887-5872 |
| ACRA | American Concrete Pipe Assoc. 8320 Old Courthouse Rd. Vienna, VA 22180 (703) 821-1990 | AGA | American Gas Assoc. 1515 Wilson Blvd. Arlington, VA 22209 (703) 841-8400 | AHA | American Hardboard Assoc. 520 N. Hicks Rd. Palatine, IL 60067-3609 (708) 914-8800 |
| AL | Asphalt Institute Research Park Drive PO Box 14052 Lexington, KY 40512-4052 (606) 288-0960 | AIA | American Institute of Architects 1735 New York Ave, NW Washington, DC 20006 (202) 626-7300 | A.I.A. | American Insurance Assoc. 1130Connecticut Ave, NW Washington, DC 20036 (202) 825-7100 |
| AISC | American Institute of Steel Construction 1 E. Wacker Dr, Suite 3100 Chicago, IL 60601-2001 (312) 670-2400 | AISI | American Iron and Steel Institute 1101 17th St. NW, Suite 1300 Washington, DC 20005-2701 (202) 452-7100 | AITC | American Institute of Timber Construction 11818 SE Mill Plain Blvd, Ste.415 Vancouver, WA 98684-3092 (206) 254-9132 |
| ALI | Associated Laboratories 641 S. Vermont St. Palatine, IL 60067 (708) 358-7400 | ALSC | American Lumber Standards Committee PO Box 210 Germantown, MD 20874 (301) 982-7000 | ANSI | American National Standards Institute 1 W. 42nd Street New York, NY 10036 (212) 354-3300 |
| AOSA | Assoc. of Official Seed Analysts C/o Jim Lair Illinois Dept. of Agriculture Seed Lab Box 19281 Springfield, IL 62794 (217) 782-7655 | APA | American Plywood Assoc. PO Box 17100 Tacoma, WA 98411 (206) 565-6600 | API | American Petroleum Institute 1220 L St, NW Washington, DC 20005 (202) 682-8000 |
| AWI | Architectural Woodwork Institute 2310 S. Walter Reed Dr. Arlington, VA 22206 (703) 671-9100 | AWPA | American Wood Preservers Assn. PO Box 286 Woodstock, MD 21163 (410) 465-3169 | AWPB | American Wood Preserves Bureau PO Box 5283 Springfield, VA 22150 (703) 339-6660 |
| AWS | American Welding Society PO Box 351040 550 LeJeune Road, NW | AWWA | American Water Works Assoc. 6666 W Quincy Ave Denver, CO 80235 | BANC | Bruck Assoc. of North Carolina PO Box 13290 Greensboro, NC 27415 |</p>
<table>
<thead>
<tr>
<th>Organization</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
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<tbody>
<tr>
<td>BHMA</td>
<td>Builders Hardware Manufacturers Assoc. 335 Lexington Ave., 17th Floor New York, NY 10017 (212) 661-4261</td>
<td>(305) 443-9153</td>
<td>(303) 794-7711</td>
</tr>
<tr>
<td>BIA</td>
<td>Brick Institute of America 11490 Commerce Park Dr. Suite 300</td>
<td>Cast Iron Soil Pipe Institute 5959 Shallowford Rd, Ste 419 Chattanooga, TN 37421 (615) 892-0137</td>
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<tr>
<td>CRSI</td>
<td>Concrete Reinforcing Steel Institute 933 Plum Grove Rd., Schaumburg, IL 60195 (708) 517-1200</td>
<td>Expansion Joint Manufacturers Assoc. 25 N. Broadway Tarrytown, NY 10591 (914) 332-0040</td>
<td>ETL Testing Laboratories Inc. PO Box 2040 Route 11, Industrial Park Cortland, NY 13045 (607) 753-6711</td>
</tr>
<tr>
<td>HMA</td>
<td>Hardwood Manufacturers Assoc. 2831 Airways Blvd., Ste 205, Bldg. B Memphis, TN 38132 (901) 346-2222</td>
<td>Hardwood Plywood Manufacturers Assoc. 1825 Michael Frazarad Dr PO Box 2789 Reston, VA 22090-2789 (703) 4-52700</td>
<td>Insulated Cable Engineers Assoc. Inc. PO Box 440 South Yarmouth, MA 02664 (617) 394-4424</td>
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<tr>
<td>IEEE</td>
<td>Institute of Electrical and Electronic Engineers 345 E. 47th Street New York, NY 10017 (212) 705-9200</td>
<td>Illuminating Engineering Society of North America 345 E 47th Street New York, NY 10017 (212) 705-7926</td>
<td>Indiana Stone City Bank Bldg, Ste 400 Bedford, IN 47421 (812) 275-4426</td>
</tr>
<tr>
<td>IMSA</td>
<td>International Municipal Signal Assoc. PO Box 539 1115 N. Main Street Newark, NJ 07107 (973) 452-3003</td>
<td>Industrial Risk Insurers 85 Woodland St Hartford, CT 06102 (203) 520-7300</td>
<td>Lightning Protection Institute PO Box 1029 Woodstock, IL 60098 (815) 337-0277</td>
</tr>
<tr>
<td>MBMA</td>
<td>Metal Building Manufacturers Assoc. 1230 Keith Building Cleveland, OH 44115-2180</td>
<td>Mechanical Contractors Assoc. of America 5410 Grosvenor Lane, Ste 120 Bethesda, MD 20814 (301) 897-0077</td>
<td>National Assoc. of Architectural Metal Manufacturers 600 S. Federal St, Ste 400 Chicago, IL 60605 (312) 922-6222</td>
</tr>
<tr>
<td>NAPA</td>
<td>National Asphalt Pavement Assoc. Calvert Building, Suite 620 6811 Kenilworth Ave. Riverdale, MD 20737 (301) 779-4880</td>
<td>National Assoc. of Plastic Fabricators (Now DLPA)</td>
<td>National Building Granite Quarries Assoc. PO Box 482 Barre, VT 05641 (802) 476-3115</td>
</tr>
<tr>
<td>NBHA</td>
<td>National Builders hardware Assoc. (Now DHIA)</td>
<td>National Concrete Masonry Assoc. 2302 Horse Pen Rd PO Box 781 Herndon, VA 20270-3406 (703) 435-4900</td>
<td>National Electric Code (Now NFPA)</td>
</tr>
<tr>
<td>NECA</td>
<td>National Electrical Contractors Assoc. 7315 Wisconsin Ave Bethesda, MD 20814 (301) 657-3110</td>
<td>National Electrical Manufacturers Assoc. 2101 L St, NW, Ste 300 Washington, DC 20037 (202) 457-8400</td>
<td>National Fire Protection Assoc. 1 Batterymarch Park Quincy, MA 02269 (617) 770-3000</td>
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<tr>
<td>NPA</td>
<td>National Particleboard Assoc. 18928 Premiere Court Gaithersburg, MD 20879-1569 (301) 670-0604</td>
<td>National Paint and Coatings Assoc. 1500 Rhode Island Ave, NW Washington, DC 20005 (202) 462-6272</td>
<td>National Sanitation Foundation PO Box 1468 3475 Plymouth Rd Ann Arbor, MI 48106 (313) 769-8010</td>
</tr>
<tr>
<td>NWMA</td>
<td>National Woodwork Manufacturers Assoc. (Now NWWDIA)</td>
<td>Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077-4321 (847) 966-6200</td>
<td>Prestressed Concrete Institute 175 W Jackson Blvd Chicago, IL 60604-9773 (312) 786-0300</td>
</tr>
<tr>
<td>PDI</td>
<td>Plumbing and Drainage Institute C/O Saul Baker 1106 W. 47th Street, South Dr. Indianapolis, IN 4626 (317) 251-6970</td>
<td>Redwood Inspection Service 405 Einfrente Dr, Suite 300 Novato, CA 94949 (415) 382-0662</td>
<td>Rubber Manufacturers Assoc. 1400 K St, NW Washington, DC 20005 (202) 682-4800</td>
</tr>
<tr>
<td>SII</td>
<td>Southern Hardwood Lumber Manufacturers Assoc. (Now HMA) 1205 48th Ave North Myrtle Beach, SC 29577</td>
<td>Steel Joist Institute Suite A 2120 4th Ave North Seattle, WA 98109</td>
<td>Southern Pine Inspection Bureau 4709 Scenic Highway Pensacola, FL 32504 (904) 434-2611</td>
</tr>
<tr>
<td>Reference Standard/Authority</td>
<td>Address</td>
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</table>
| SSPC                         | Steel Structures Painting Council  
4400 Fifth Ave.  
Pittsburgh, PA 15213  
(412) 268-3327 |
| SSPMA                        | Sump and Sewage Pump Manufacturers Assoc.  
560 W Washington St, Ste 301  
Chicago IL, 60606  
(312) 332-4146 |
| TPI                          | Truss Plate Institute  
583 D’Onofrio Drive  
Suite 200  
Madison, WI 53719 |
| UL                           | Underwriters Laboratories  
333 Pflingston Rd.  
Northbrook, IL 60062  
(847) 272-8800 |
| WCLIB                        | West Coast Lumber Inspection Bureau  
PO Box 23145  
Portland, OR 97223  
(503) 639-0651 |
| WIC                          | Woodwork Institute of California  
PO Box 11428  
Fresno, CA 93773  
(209) 233-9035 |
| WRI                          | Wire Reinforcement Institute  
1101 Connecticut Ave, NW  
Washington, DC 20036-4303  
(703) 790-9790 |
| WWPA                         | Western Wood Products Assoc.  
522 SW 5th Ave, Yeon Bldg.  
Portland OR 97204-2122  
(503) 224-3930 |
| SF                           | Federal Specification (from GSA)  
800 Independence Ave, SW  
Washington, DC 20590  
(202) 366-4000 |
| FS                            | Federal Aviation Administration  
(US Dept of Transportation)  
800 Independence Ave, SW  
Washington, DC 20590  
(202) 366-4000 |
| NIST                          | National Institute of Standards and Technology  
Gaithersburg, MD 20899  
(301) 975-2000 |
| USDA                          | US Dept of Agriculture  
Independence Ave btw. 12th and 14th St, SW  
Washington, DC 20250  
(202) 447-8732 |

F. Federal Government Agencies: names and titles of federal government standard or specification producing agencies are often abbreviated. The following acronyms or abbreviations referenced in the Contract Documents indicate names of standard or specification producing agencies of the federal government. Names and addresses are subject to change; they are believed to be but are not assured to be accurate and up to date as of the date of the Contract Documents.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Address</th>
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</table>
| CE     | Corps of Engineers  
(US Dept of the Army)  
Chief of Engineers – Referral Washington, DC 20314  
(202) 272-0660 |
N. Capitol St between G and H St, NW  
Washington, DC 20402  
(202) 783-3238  
(Material is usually first published in the Federal Register) |
| CPSIC  | Consumer Product Safety Commission  
5401 Westbard Ave, Room 700  
Washington, DC 20816  
(800) 638-2772 |
| CS     | Commercial Standard  
(US Dept of Commerce)  
Government Printing Office  
Washington, DC 20402  
(202) 377-2000 |
| DOC    | Department of Commerce  
14th St and Constitution Ave, NW  
Washington, DC 20230  
(202) 377-2000 |
| DOT    | Department of Transportation  
400 7th St, SW  
Washington, DC 20590  
(202) 366-4000 |
| EPA    | Environmental Protection Agency  
401 M St, SW  
Washington, DC 20460  
(202) 382-2090 |
| FAA    | Federal Aviation Administration  
(US Dept of Transportation)  
800 Independence Ave, SW  
Washington, DC 20590  
(202) 366-4000 |
| FCC    | Federal Communications Commission  
1919 M St, NW  
Washington, DC 20554  
(202) 632-7000 |
| FHA    | Federal Housing Administration  
(US Dept of Housing and Urban Development)  
Director Manufactured Housing and Construction Standards Division  
451 7th St, SW, Room 9158  
Washington, DC 20201  
(202) 755-5210 |
| FS     | Federal Specification (from GSA)  
Supt. Of Documents, Government Printing Office  
7th and D St, SW  
Washington, DC 20234  
(202) 472-2205 or 472-2140 |
| GSA    | General Services Administration  
F St and 18th St, NW  
Washington, DC 20405  
(202) 472-1082 |
| MIL    | Military Standardization Documents  
(US Dept of Defense)  
Naval Publications and Forms Center  
5801 Tabor Ave  
Philadelphia, PA 19120 |
| NIST   | National Institute of Standards and Technology  
(US Dept of Commerce)  
Gaithersburg, MD 20899  
(301) 975-2000 |
| OSHA   | Occupational Safety and Health Administration  
(US Dept of Labor)  
Government Printing Office  
Washington, DC 20402  
(202) 523-6091 |
| PS     | Product Standard of NBS  
National Institute of Standards and (DOC) Technology Standards Management Program  
A 625 Administration  
Gaithersburg, MD 20899  
(202) 783-3238 |
may not be of significance to the Contractor. Contact authorities having jurisdiction directly for information and decisions having a bearing on the Work.

B. Copies of Regulations: Obtain copies of the applicable regulations and retain at the Project site, available for reference by parties who have a reasonable need for such reference.

1.05 SUBMITTALS

A. Permits, Licenses and Certificates: for the Owner’s records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional, settlements, notices, receipts for fee payments, judgements and similar documents, correspondence, and records established in conjunction with compliance with standards and regulations bearing upon performance of the Work.

PART 2 – PRODUCTS
( NOT APPLICABLE)

PART 3 – EXECUTION
( NOT APPLICABLE)

END OF SECTION 01 09 50
SECTION 01 10 50
EXISTING UTILITY PROCEDURES

PART 1 – GENERAL

1.01 SUMMARY
A. Perform the work associated with existing utilities, including removal, relocation, interruption and protection, meeting requirements of this section.

1.02 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this section.

1.03 GENERAL
A. Notification: before beginning any work, the Contractor shall notify all utility companies, public and private as applicable and any other party owning, operating or maintaining utility facilities on or in vicinity of project site in accordance with notification procedures of each utility company or any other party.

B. Protection:
1. Before beginning any work, the Contractor shall investigate and inform himself of locations and extent of all utilities on and in vicinity of project site which may be encountered in performing the work and shall take suitable care to protect and prevent damage and cessation of operation to such utilities from his operations.

2. When performing adjacent to existing sewers, drains, water and gas lines; electric, telephone or telegraph conduit or cable; pole lines or poles, or other utility facilities, equipment or structures, which are to remain in operation, contractor shall maintain such utility facilities, equipment and structures in place and protect from damage and cessation of operation and shall cooperate with applicable utility company and any other party owning, operating or maintaining such utility facilities, equipment or structures.

3. Methods of protection shall be subject to approval of utility company and any other party owning, operating or maintaining such utility, equipment or structure.

C. Damages:
1. Should existing utilities which are to remain in operation be damaged during construction operations, the Contractor shall immediately notify utility company, Owner and any other party owning, operating or maintaining such utility.

2. The Contractor shall be responsible for and shall repair or replace at the Contractor’s expense, as applicable, damages to any such utility facilities, equipment or structures caused by his acts, whether negligent or otherwise, or his omission to act, whether negligent or otherwise, and shall leave such utility facilities, equipment or structures in as good condition as existed prior to commencement of his operations as approved by utility company and any other party owning, operating or maintaining such utility. In addition, the Contractor shall be responsible for any damages or liability which the Owner may be held liable. Materials and methods of repair or replacement shall be subject to approval of utility company and other party owning, operating or maintaining such utility.

3. However, any such utility equipment or structures damaged as a result of any act, or omission to act, of the Contractor, may, at option of applicable utility company and any other party owning, operating or maintaining such utility facilities, equipment or structures damaged, be repaired or replaced by such applicable utility company or other party. In such event cost of repairs or replacement shall be the responsibility of the Contractor at no addition to the Contract Sum.
1.04 PROCEDURES

A. Locations:
   1. Request all utility companies and any other party owning, operating or maintaining utility facilities on or in vicinity of project site as applicable, to locate or stakeout locations, extent, alignment and elevation of such utility facilities.
   2. Approximate locations and extent of known existing utility facilities, equipment and structures may be determined by examining documents of utility companies and any other party owning, operating or maintaining such utility facilities, and available information documents and Drawings for the work.
   3. Should uncharted or incorrectly charted existing utility facilities, equipment and structures be encountered during performance of the Work, consult utility companies and other party owning, operating or maintaining such utility facilities for directions.
   4. After such utilities have been uncovered and their actual locations and extent determined, the Owner will furnish additional Drawings, if relocation is required, subject to approval of utility companies and any other parties owning, operating or maintaining such utility facilities.
   5. Submit record drawings showing locations and extent discrepancies of utilities those indicated in available reference documents or Drawings for the Work, regardless of cause of location or extent discrepancy, meeting requirements of the general conditions.

B. Scheduling:
   1. General: existing utilities shall not be disturbed until utility companies and any other party owning, operating or maintaining such utility facilities and users of such utilities have been notified in accordance with notification procedure of such utility companies or any other parties. Contractor shall conduct work so that utility may be removed, relocated or supported during construction operations and maintained in service until the work to be provided under Contract is completed.
   2. Any existing utility should be relocated only as approved by utility companies and any other parties owning, operating or maintaining such utility facilities. Contractor shall cooperate with utility companies and any other parties in performance of this work.
   3. Interruptions: when Contractor desires to take an existing utility service out of operation, notify Owner at least 72 hours in advance of such time and obtain written permission of utility company or other parties owning, operating or maintaining such utility facilities prior to interrupting service. Interruption of service shall be kept to an absolute minimum.
      a. Utility company and any or other parties owning, operating or maintaining such utility facilities shall have right to require Contractor to perform work which requires such interruptions in stages and during non-standard working hours to reduce time of each interruption, at no addition to Contract Sum.
      b. When necessary, provide acceptable temporary utility services during such interruptions, before taking utility service out of operation, at no addition to Contract Sum.

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 011050
PART 1 – GENERAL

1.01 SUMMARY
A. This section specifies administrative and procedural requirements for project meetings including but not limited to:
   1. Pre-construction Conference
   2. Pre-installation Conferences
   3. Coordination Meetings
   4. Progress Meetings
B. Construction schedules are specified in Section 01300 – SUBMITTALS.

1.02 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 PRE-CONSTRUCTION CONFERENCE
A. The Owner shall schedule a pre-construction conference and organizational meeting at the Project site or other convenient location no later than 15 days after execution of the Agreement and prior to commencement of construction activities. Conduct the meeting to review responsibilities and personnel assignments.
B. Attendees: The Owner, the Contractor and its superintendent, major subcontractors, manufacturers, suppliers and other concerned parties shall each be represented at the conference by persons familiar with and authorized to conduct matters relating to the Work.
C. Agenda: Discuss items of significance that could affect progress including such topics as:
   1. Tentative construction schedule
   2. Critical Work sequencing
   3. Designation of responsible personnel
   4. Procedures for processing field decisions and Change Orders
   5. Procedures for processing Applications for Payment
   6. Distribution of Contract Documents
   7. Submittal of Shop Drawings, Product Data and Samples
   8. Preparation of record documents
   9. Use of the premises
   10. Office, Work and storage areas
   11. Equipment deliveries and priorities
   12. Safety procedures
   13. First aid
   14. Security
   15. Housekeeping
   16. Construction activity policies and working hours
   17. MBE/WBE/EBE and LEP requirements
   18. Coordination with affected utilities and governing jurisdictions

1.04 PRE-INSTALLATION CONFERENCE
A. Conduct a pre-installation conference at the site before each construction activity that requires coordination with other construction. The installer and representatives of manufacturers and fabricators involved in or affected by the installation, and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise the Owner of scheduled meeting dates.
B. Review the progress of other construction activities and preparations for the particular activity under consideration at each pre-installation conference, including requirements for:
   1. Contract Documents
   2. Options
   3. Related Change Orders
4. Purchases
5. Deliveries
6. Shop Drawings, Product Data and quality control samples
7. Possible conflicts
8. Compatibility problems
9. Time schedules
10. Weather limitations
11. Manufacturer’s recommendations
12. Compatibility of materials
13. Acceptability of substrates
14. Temporary facilities
15. Space and access limitations
16. Governing regulations
17. Safety
18. Inspection and testing requirements
19. Required performance results
20. Recording requirements
21. Protection

C. Record significant discussions and agreements and disagreements of each conference, along with the approved schedule. Distribute the record of the meeting to everyone concerned, promptly, including the Owner.

D. Do not proceed if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of Work and reconvene the conference at the earliest feasible date.

1.05 PROGRESS MEETINGS
A. Conduct progress meetings at the Project site at regularly scheduled intervals. Notify the Owner of scheduled meeting dates. Coordinate dates of meetings with preparation of the payment requests.

B. Attendees: in addition to the Owner, each subcontractor, supplier or other entity concerned with current progress or involved in planning, coordination or performance of future activities shall be represented at these meetings by persons familiar with the Project and authorized to conclude matters relating to progress.

C. Agenda: Review and correct or approve minutes of the previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to the current status of the Project.

D. Contractor’s Construction Schedule: review progress since the last meeting. Determine where each activity is in relation to the Contractor’s Construction Schedule, whether on time, ahead or behind schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Period.

E. Review the present and future needs of each entity present, including such items as:
   1. Interface requirements
   2. Time
   3. Sequences
   4. Deliveries
   5. Off-site fabrication problems
   6. Access
   7. Site utilization
   8. Temporary facilities and services
   9. Hours of Work
   10. Hazards and risks
   11. Housekeeping
   12. Quality and Work standards
   13. Change Orders
   14. Documentation of information for payment requests.
F. Reporting: no later than three (3) days after each progress meeting date, distribute copies of minutes of the meeting to each party present and to other parties who should have been present. Include a brief summary, in narrative form, of progress since the previous meeting and report.

G. Schedule Updating: revise the construction schedule after each progress meeting where revisions to the schedule have been made or recognized. Issue the revised schedule concurrently with the report of each meeting.

PART 2 – PRODUCTS
( NOT APPLICABLE)

PART 3 – EXECUTION
( NOT APPLICABLE)

END OF SECTION 01 20 00
1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.
B. Other provisions concerning Allowances also may be stated in other Sections of these Specifications.

1.2 SUMMARY
A. The allowance is general and is to be used to provide adequate budget and bonding to cover items not able to be precisely determined by the Owner prior to bidding including any unforeseen conditions that are discovered. Allow within the proposed Total Base Bid Amount the amounts described in this Section.
B. Unless otherwise provided in the Contract Documents:
   1. Allowances shall cover the cost to the Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts.
   2. Contractor’s cost for unloading and handling at the site, labor, installation costs, overhead, profit, and similar costs related to products and materials ordered by the Owner and selected by the Consultant under an allowance shall be included in the Lump Sum Base Bid Amount and not as a part of the allowance.
   3. Allowance work and estimated costs shall be pre-approved prior to the start of and during the Construction with Proposals documenting the work to be performed, with clearly stated not-to-exceed estimates and step by step method of procedures for the proposed work stated on the forms provided in the Contract Documents. Proposals must be submitted and accepted by the Owner prior to starting any allowance work. After discovering an unforeseen condition, the contractor shall submit a Proposal that includes a report summarizing the found condition. The Consultant and Owner will view the unforeseen condition to determine if the work will be authorized. Allowance work shall only be authorized by written Change Order. Under no circumstances shall the Contractor move forward with the work in question nor shall the contractor expend allowance without an approved Change Order.

1.3 ALLOWANCE RESPONSIBILITIES
A. Consultant Responsibilities:
   1. Consult with Contractor in consideration and selection of products, suppliers and installers.
   2. Select products or services in consultation with Owner.
   3. Review method of procedure and estimated maximum costs documented on Proposals submitted by the Contractor and transmit Owner’s decision to Contractor. Owner approved Change Orders are required prior to proceeding with Allowance Work.
   4. Review, recommend and transmit Change Orders to Owner for approval.
   5. Transmit Owner’s decision to the Contractor.
B. Contractor’s Responsibilities:
   1. Assist Consultant in selection of products, suppliers and installers.
   2. Obtain proposals from suppliers and installers and offer recommendations and review of proposals submitted. Transmit to Consultant on Proposal forms provided in Contract Documents, attaching all supporting documentation. Include any bond cost adjustments with the proposal. Include scheduling information and assessment of impact of other work.
   3. On notification of selection by Consultant, execute purchase agreement with designated supplier and installer.
   4. Arrange for and process shop drawings, product data and samples. Arrange for delivery.
5. Promptly inspect products upon delivery for completeness, damage and defects. Submit claims for transportation damage.
6. Document thoroughly all costs related to the work.
7. Advise the Consultant immediately of any material changes in estimated cost, scope or timing. Contractor may not exceed estimated maximum cost without written acceptance by Owner.
8. Provide the Consultant with fully documented Change Orders detailing all allowance work performed. Including all documentation required.

1.4 ALLOWANCE DOCUMENTATION
A. All work covered by Allowances must be thoroughly documented as follows:
   1. Upon encountering Allowance work or any field conditions which is not as shown in Construction Documents, the Contractor shall immediately notify the Consultant and develop a written Proposal detailing any additional work required. Proposals shall include a report summarizing the found condition to the Consultant. Contractor work initiated without submitting a completed Proposal and obtaining the Owner’s written approval by Change Order is performed entirely at Contractor’s own risk and cost, regardless of any prior verbal approval.
   2. The Consultant shall review the Proposal and provide the Owner with a written recommendation regarding the proposed work.
   3. The Owner shall review the Contractor’s Proposal and the Consultant’s recommendation and, if appropriate, provide written approval via Change Order for use of the Allowance.

1.5 SCHEDULE OF ALLOWANCES

Allowance Number 1, Additional Work General: $10,000.00

1.6 ALLOWANCE EXCLUSIONS
A. General
   1. Additional costs related to improper scheduling, sequencing or coordination will not be covered within the Allowance, as determined solely by the Owner.

C. Existing Building Component Exclusions
   1. All work required to protect existing building surfaces and components is included in the Base Bid and will not be covered within the Allowance.

PART 2 – PRODUCTS
(Not Used)

PART 3 – EXECUTION
(Not Used)

END OF SECTION 01 21 00
SECTION 01 30 00
SUBMITTALS

PART 1 – GENERAL

1.01 SUMMARY
A. This section specifies administrative and procedural requirements for submittals required for performance of the Work, including:
   1. Contractor’s construction schedule
   2. Submittal schedule
   3. Daily construction reports
   4. Shop Drawings
   5. Product Data
   6. Samples
B. Administrative Submittals: refer to other Division 0 and 1 sections and other Contract Documents for requirements for administrative submittals. Such submittals include but are not limited to:
   1. Permits
   2. Applications for payment
   3. Performance and payment bonds
   4. Insurance certificates
   5. List of subcontractors
C. The Schedule of Values submittal is included in Section 010270 – APPLICATION FOR PAYMENT.

1.02 RELATED WORK
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 SUBMITTAL PROCEDURES
A. Coordination: coordinate preparation and processing of submittals with performance of construction activities. Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.
   1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals and related activities that require sequential activity.
   2. Coordinate transmittal of different types of submittals for related elements of the Work so processing will not be delayed by the need to review submittals concurrently for coordination.
      a. The Owner reserves the right to withhold action on a submittal requiring coordination with other submittals until related submittals are received.
   3. Processing: allow sufficient review time so that installation will not be delayed as a result of the time required to process submittals, including time for re-submittals.
      a. Allow two weeks for initial review. Allow additional time if processing must be delayed to permit coordination with subsequent submittals. The Owner will promptly advise the Contractor when a submittal being processed must be delayed for coordination.
      b. If an intermediate submittal is necessary, process the same as the initial submittal.
      c. Allow two weeks for re-processing each submittal.
      d. No extension of Contract Time will be authorized because of failure to transmit submittals to the Owner sufficiently in advance of the Work to permit processing.
B. Submittal Preparation: place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.
1. Provide a space approximately 4” x 5” on the label or beside the title block on Shop Drawings to record the Contractor’s review and approval markings and the action taken.

2. Include the following information on the label for processing and recording action taken.
   a. Project name
   b. Date
   c. Name and address of Owner
   d. Name and address of Contractor
   e. Name and address of subcontractor
   f. Name and address of supplier
   g. Name of manufacturer
   h. Number and title of appropriate Specification Section
   i. Drawing number and detail reference, as appropriate

C. Submittal Transmittal: package each submittal appropriately for transmittal and handling. Transmit each submittal from Contractor to Owner using a transmittal form. Submittals received from sources other that the Contractor will be returned without action.

1. On the transmittal record relevant information and requests for data. On the form, or separate sheet, record deviations from Contract Document requirements, including minor variations and limitations. Include Contractor’s certification that information complies with Contract Document requirements.


1.04 CONTRACTOR’S CONSTRUCTION SCHEDULE

A. Bar-Chart Schedule: prepare a fully developed, horizontal bar-chart type Contractor’s construction schedule. Submit within 30 days of the date established for “Commencement of the Work”.

1. Provide a separate time bar for each significant construction activity. Provide a continuous vertical line to identify the first working day of each week. Use the same breakdown of units of the Work as indicated in the “Schedule of Values”.

2. Within each time bar indicate estimated completion percentage in 10 percent increments. As Work progresses, place a contrasting mark in each bar to indicate Actual Completion.

3. Prepare a schedule on a sheet, or series of sheets, of stable transparency, or other reproducible media, of sufficient width to show data for the entire construction period.

4. Secure time commitments for performing critical elements of the Work from parties involved. Coordinate each element on the schedule with other construction activities; include minor elements involved in the sequence of the Work. Show each activity in proper sequence. Indicate graphically sequences necessary for completion of related portions of the Work.

5. Coordinate the Contractor’s construction schedule with the schedule of values, list of subcontracts, submittal schedule, progress report, payment requests and other schedules.

6. Indicate completion in advance of the date established for Substantial Completion. Indicate Substantial Completion on the schedule to allow time for Owner’s procedures necessary for certification of Substantial Completion.

B. Phasing: Provide notations on the schedule to show how the sequence of the Work is affected by requirements for phased completion to permit Work by separate Contractors and partial occupancy by the Owner prior to Substantial Completion.

C. Work Stages: Indicate important stages of construction for each major portion of the Work, including testing and installation.

D. Area Separations: Provide a separate time bar to identify each major construction area for each major portion of the Work. Indicate where each element in an area must be sequenced or integrated with other activities.
E. Cost Correlation: At the head of the schedule, provide a two item cost correlation line, indicating "pre-calculated" and "actual" costs. On the line show dollar-volume of Work performed as of the dates used for preparation of payment requests.
   1. Refer to Section 01027 - APPLICATION FOR PAYMENT for cost reporting and payment procedures.

F. Distribution: Following response to the initial submittal, print and distribute copies to the Owner, subcontractors, and other parties required to comply with scheduled dates. Post copies in the Project meeting room and temporary field office.
   1. When revisions are made, distribute to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in construction activities.

G. Schedule Updating: Revise the schedule after each meeting or activity, where revisions have been recognized or made. Issue the updated schedule concurrently with report of each meeting.

1.05 SUBMITTAL SCHEDULE
A. After development and acceptance of the Contractor's construction schedule, prepare a complete schedule of submittals. Submit the schedule within 10 days of the date required for establishment of the Contractor's construction schedule.
   1. Coordinate submittal schedule with the list of subcontracts, schedule of values and the list of products as well as the Contractor's construction schedule.
   2. Prepare the schedule in chronological order; include submittals required during the first 90 days of construction. Provide the following information:
      1. Scheduled date for the first submittal.
      2. Related Section number.
      3. Submittal category.
      4. Name of subcontractor.
      5. Description of the part of the Work covered.
      6. Scheduled date for resubmittal.
      7. Scheduled date of the Owner’s final release or approval.

B. Distribution: Following response to initial submittal, print and distribute copies to the Owner, subcontractors, and other parties required to comply with submittal dates indicated. Post copies in the Project meeting room and field office.
   1. When revisions are made, distribute to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in construction activities.

C. Schedule Updating: Revise the schedule after each meeting or activity, where revisions have been recognized or made. Issue the updated schedule concurrently with report of each meeting.

1.06 DAILY CONSTRUCTION REPORTS
A. Prepare a daily construction report, recording the following information concerning events at the site; and submit duplicate copies to the Owner at weekly intervals:
   1. List of subcontractors at the site.
   2. Approximate count of personnel at the site.
   3. High and low temperatures, general weather conditions.
   4. Accidents and unusual events.
   5. Meetings and significant decisions.
   7. Meter readings and similar recordings.
   8. Emergency procedures.
   9. Orders and requests of governing authorities.
   10. Change Orders received, implemented.
   11. Services connected, disconnected.
   12. Equipment or system tests and start-ups.
   13. Partial Completions, occupancies.

1.07 SHOP DRAWINGS
A. Submit newly prepared information, drawn to accurate scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not considered Shop Drawings.

B. Shop Drawings include fabrication and installation drawings, setting diagrams, schedules, patterns, templates and similar drawings. Include the following information:

1. Dimensions.
2. Identification of products and materials included.
3. Compliance with specified standards.
4. Notation of coordination requirements.
5. Notation of dimensions established by field measurement.
6. Sheet Size: Except for templates, patterns and similar full-size Drawings, submit Shop Drawings on sheets at least 8-1/2" x 11" but no larger than 36" x 48".
7. Submit one correctable translucent reproducible print and three blue- or black-line print for the Owner's review; the reproducible print will be returned.

C. One of the prints returned shall be marked-up and maintained as a "Record Document".

D. Do not use Shop Drawings without an appropriate final stamp indicating action taken in connection with construction.

E. Coordination drawings are a special type of Shop Drawing that show the relationship and integration of different construction elements that require careful coordination during fabrication or installation to fit in the space provided or function as intended.

1. Submit coordination Drawings for integration of different construction elements. Show sequences and relationships of separate components to avoid conflicts in use of space.

1.08 PRODUCT DATA
A. Collect Product Data into a single submittal for each element of construction or system. Product Data includes printed information such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams and performance curves. Where Product Data must be specially prepared because standard printed data is not suitable for use, submit as "Shop Drawings."

1. Mark each copy to show applicable choices and options. Where printed Product Data includes information on several products, some of which are not required, mark copies to indicate the applicable information. Include the following information:

   a. Manufacturer's printed recommendations.
   b. Compliance with recognized trade association standards.
   c. Compliance with recognized testing agency standards.
   d. Application of testing agency labels and seals.
   e. Notation of dimensions verified by field measurement.
   f. Notation of coordination requirements.

2. Do not submit Product Data until compliance with requirements of the Contract Documents has been confirmed.

3. Preliminary Submittal: Submit a preliminary single-copy of Product Data where selection of options is required.

4. Submittals: Submit 2 copies of each required submittal; submit 4 copies where required for maintenance manuals. The Owner will retain one, and will return the other marked with action taken and corrections or modifications required.

   a. Unless noncompliance with Contract Document provisions is observed, the submittal may serve as the final submittal.
5. Distribution: Furnish copies of final submittal to installers, subcontractors, suppliers, manufacturers, fabricators, and others required for performance of construction activities. Show distribution on transmittal forms.
   a. Do not proceed with installation until an applicable copy of Product Data applicable is in the installer's possession.
   b. Do not permit use of unmarked copies of Product Data in connection with construction.

1.09 SAMPLES
   A. Submit full-size, fully fabricated Samples cured and finished as specified and physically identical with the material or product proposed. Samples include partial sections of manufactured or fabricated components, cuts or containers of materials, color range sets, and swatches showing color, texture and pattern.
      1. Mount, display, or package Samples in the manner specified to facilitate review of qualities indicated. Prepare Samples to match the Owner's Sample. Include the following:
         a. Generic description of the Sample.
         b. Sample source.
         c. Product name or name of manufacturer.
         d. Compliance with recognized standards.
         e. Availability and delivery time.
      2. Submit Samples for review of kind, color, pattern, and texture, for a final check of these characteristics with other elements, and for a comparison of these characteristics between the final submittal and the actual component as delivered and installed.
         a. Where variation in color, pattern, texture or other characteristics are inherent in the material or product represented, submit multiple units (not less than 3), that show approximate limits of the variations.
         b. Refer to other Specification Sections for requirements for Samples that illustrate workmanship, fabrication techniques, details of assembly, connections, operation and similar construction characteristics.
         c. Refer to other Sections for Samples to be returned to the Contractor for incorporation in the Work. Such Samples must be undamaged at time of use. On the transmittal, indicate special requests regarding disposition of Sample submittals.
      3. Preliminary submittals: Where Samples are for selection of color, pattern, texture or similar characteristics from a range of standard choices, submit a full set of choices for the material or product.
         a. Preliminary submittals will be reviewed and returned with the Owner's mark indicating selection and other action.
      4. Submittals: Except for Samples illustrating assembly details, workmanship, fabrication techniques, connections, operation and similar characteristics, submit 3 sets; one will be returned marked with the action taken.
      5. Maintain sets of Samples, as returned, at the Project site, for quality comparisons throughout the course of construction.
         a. Unless noncompliance with Contract Document provisions is observed, the submittal may serve as the final submittal.
         b. Sample sets may be used to obtain final acceptance of the construction associated with each set.

   B. Distribution of Samples: Prepare and distribute additional sets to subcontractors, manufacturers, fabricators, suppliers, installers, and others as required for performance of the Work. Show distribution on transmittal forms.

   C. Mock ups specified in individual Sections are special types of Samples. Mock ups are full-size examples erected on site to illustrate finishes, coatings, or finish materials and to establish the standard by which the Work will be judged.

   D. Comply with submittal requirements to the fullest extent possible. Process transmittal forms to provide a record of activity.
1.10 CONTRACTOR'S RESPONSIBILITIES
A. Review shop drawings, product data and samples prior to submission.
B. Verify:
   1. Field dimensions
   2. Field construction criteria
   3. Catalog numbers and similar data
C. Coordinate each submittal with requirements of Work and of Contract Documents.
D. Contractor's responsibility for errors and omissions in submittals is not relieved by Owner's review of submittals.
E. Contractor's responsibility for deviations in submittals from Contract Document requirements is not relieved by Owner's review of submittals.
F. Notify Owner in writing at time of submission, of deviations in submittals from contract requirements.
G. Do not begin any work which requires submittals without having Owner's stamp and initials or signature indicating review.
H. After Owner's review, make response required by Owner, stamp and distribute copies.

1.11 SUBMISSION REQUIREMENTS
A. Make all submissions within 35 business days after date of Notice to Proceed.
B. Submit number of copies of shop drawings, project data and samples which Contractor requires for distribution plus 3 copies which will be retained by the Owner.
C. Submit number of samples specified in each of specification sections.
D. Accompany submittals with transmittal letter, in duplicate, containing:
   1. Date
   2. Project title and number
   3. Contractor's name and address
   4. The number of each shop drawing, product datum and sample submitted
   5. Notification of deviations from contract
   6. Other pertinent data
E. Submittals shall include:
   1. Date and revision dates
   2. Project title and number
   3. Names of:
      a. Contractor
      b. Subcontractor
      c. Supplier
      d. Manufacturer
      e. Separate detailer when pertinent
   4. Identification of product or material
   5. Relation to adjacent structure or material
   6. Field dimensions, clearly identified as such
   7. Specification Section and page number
   8. Applicable standards, such as ASTM number or federal specification
   9. Identification of deviation(s) from Contract Documents
   10. Contractor's stamp, initialed or signed, certifying to review of submittal, verification of field measurements, and compliance with Contract.

1.12 RESUBMISSION REQUIREMENTS
A. Shop drawings:
   Revise initial drawings as required and resubmit as specified for initial submittal. Indicate on drawings all changes which have been made other than those requested by Owner.
B. Product Data and Samples:
   Submit new datum and samples as required for initial submittal.
C. Make all resubmittals within 10 business days after date on Owner's stamp.

1.13 DISTRIBUTION OF SUBMITTALS AFTER REVIEW
A. Distribute copies of shop drawings and project datum which carry Owner's stamp:
   1. Contractor's file
2. Job site file
3. Record documents file
4. Subcontractors
5. Supplier
6. Fabricator

B. Distribute samples as directed.

1.14 OWNER’S ACTION

A. Except for submittals for record, information or similar purposes, where action and return is required or requested, the Owner will review each submittal, mark to indicate action taken, and return promptly.

1. Compliance with specified characteristics is the Contractor’s responsibility.

B. Action Stamp: The Owner will stamp each submittal with a uniform, self-explanatory action stamp. The stamp will be appropriately marked, as follows, to indicate the action taken:

1. Final Unrestricted Release: Where submittals are marked "Furnish as Submitted," that part of the Work covered by the submittal may proceed provided it complies with requirements of the Contract Documents; final acceptance will depend upon that compliance.

2. Final-But-Restricted Release: When submittals are marked "Furnish as Corrected," that part of the Work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents; final acceptance will depend on that compliance.

3. Returned for Resubmittal: When submittal is marked "Revise and Resubmit", do not proceed with that part of the Work covered by the submittal, including purchasing, fabrication, delivery, or other activity. Revise or prepare a new submittal in accordance with the notations; resubmit without delay. Repeat if necessary to obtain a different action mark.

4. Returned, Improper Submittal: When submittal is marked "Rejected" do not proceed with that part of the Work covered by the submittal, including purchasing, fabrication delivery or other activity. The submittal does not conform with project requirements. Prepare a new submittal without delay.

5. Do not permit submittals marked "Rejected, Revise and Resubmit" to be used at the Project site, or elsewhere where Work is in progress.

6. Other Action: Where a submittal is primarily for information or record purposes, special processing or other activity, the submittal will be returned, marked "Action Not Required".

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 30 00
CIVIC CENTER BURNER REPLACEMENT

TEMPORARY ENVIRONMENTAL CONTROLS

SECTION 01 56 00

TEMPORARY ENVIRONMENTAL CONTROLS

PART 1 - GENERAL

1.01 WORK INCLUDES
A. Contractors shall:
   1. Provide controls over environmental conditions at the construction site and related areas
      under the Contractor's control.
   2. Remove physical evidence of temporary controls at completion of work or as directed.

1.02 RELATED WORK
A. Drawings and general provisions of Contract, including General and Supplementary Conditions
   and all other Divisions of the Project Manual, apply to this Section.

1.03 QUALITY CONTROL
A. Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control - "Green
   Book"

1.04 DUST CONTROL
A. Provide dust control materials to minimize dust from construction operations. Prevent air-borne
dust from dispersing into the atmosphere.

1.05 WATER CONTROL
A. Control surface water to prevent damage to the project, the site or adjoining properties.
   1. Control fill, grading and ditching to direct surface drainage away from excavations, pits,
tunnels, and other construction areas; direct drainage to proper runoff.
   B. Provide, operate and maintain hydraulic equipment of adequate capacity to control surface water.
   C. Dispose of drainage water in a manner to prevent flooding, erosion sitting or runoff of silt or
   sediment or other damage to all portions of the site or to adjoining areas.

1.06 RODENT CONTROL
A. Provide rodent control to prevent infestation of construction or storage areas.
   1. Use methods and materials, which will not adversely affect conditions at the site or on
   adjoining properties.
   2. Maintain site in clean condition.
      a. Dispose of garbage and debris.
      b. Do not keep items on site which attract rodents.
   3. When the use of rodenticides is deemed necessary, submit a copy of proposed program to
   the Owner. Clearly indicate:
      a. Areas to be treated.
      b. Rodenticides to be used, with copy of manufacturer's current printed instructions.
      c. Pollution preventative measures to be employed.
      d. Illinois licensed pesticides applicator.

1.06 DEBRIS CONTROL
A. Maintain all areas under Contractor's control free of extraneous debris.
B. Initiate and maintain a specific program to prevent accumulation of debris at construction site,
storage and parking areas or along access roads and haul routes.
   1. Provide containers specified in SECTION 01710 - CLEANING for deposit of debris.
   2. Prohibit overloading of trucks to prevent spillages on access and haul routes.
      a. Provide daily inspection of traffic areas to enforce requirements.
   C. Schedule collection and disposal of debris is specified in SECTION 01710 - CLEANING.
      1. Provide additional collections and disposals of debris whenever regular schedule is
       inadequate to prevent accumulation.

1.07 POLLUTION CONTROL
A. Prevent contamination of soil, water or atmosphere by the discharge of noxious substances from
construction operations.
B. Provide equipment and personnel, perform emergency measures to contain all spillages, and to
remove contaminated soils or liquids. Excavate and dispose of all contaminated earth off-site.
Replace with suitable compacted fill and topsoil.
C. Take special measures to prevent harmful substances from entering public waters or spilling onto the ground. Prevent disposal of wastes, effluents, chemicals or other such substances adjacent to streams, or in sanitary or storm sewers, including waste from portable toilets.

D. Provide systems for control of atmospheric pollutants.
   1. Prevent toxic concentrations of chemicals.
   2. Prevent harmful dispersal of pollutants into the atmosphere.

1.08 EROSION CONTROL
A. Plan and execute construction and earthwork in a manner to control surface drainage from cuts and fills, and from borrow and waste disposal areas, to prevent erosion and sedimentation.
   1. Minimize the areas of bare soil exposed at one time.
   2. Provide temporary control measures such as berms, dikes and drains.
   3. Provide temporary control measures to prevent silting or runoff of silt or sediment from site.
B. Construct fills and waste areas by selective placement to eliminate surface silts or clays which will erode.
C. Periodically inspect earthwork to detect evidence of the start of erosion. Apply corrective measures to control erosion.

PART 2 - PRODUCTS
(NOT APPLICABLE)

PART 3 - EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 56 00
SECTION 01 60 00  
MATERIALS AND EQUIPMENT  

PART 1 - GENERAL  

1.01 SUMMARY  
A. This Section specifies administrative and procedural requirements governing the Contractor's selection of products for use in the Project.  
B. The Contractor's Construction Schedule and the Schedule of Submittals are included under Section 01300 - SUBMITTALS.  

1.02 RELATED DOCUMENTS  
A. Drawings and general provisions of Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.  

1.03 DEFINITIONS  
A. Definitions used in this Article are not intended to change the meaning of other terms used in the Contract Documents, such as "specialties," "systems," "structure," "finishes," "accessories," and similar terms. Such terms such are self-explanatory and have well recognized meanings in the construction industry.  
1. "Products" are items purchased for incorporation in the Work, whether purchased for the Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.  
2. "Named Products" are items identified by manufacturer's product name, including make or model designation, indicated in the manufacturer's published product literature, that is current as of the date of the Contract Documents.  

1.04 QUALITY ASSURANCE  
A. Source Limitations: To the fullest extent possible, provide products of the same kind, from a single source.  
1. When specified products are available only from sources that do not or cannot produce a quantity adequate to complete project requirements in a timely manner, consult with the Owner for a determination of the most important product qualities before proceeding. Qualities may include attributes relating to visual appearance, strength, durability, or compatibility. When a determination has been made, select products from sources that produce products that possess these qualities, to the fullest extent possible.  

B. Compatibility of Options: When the Contractor is given the option of selecting between two or more products for use on the Project, the product selected shall be compatible with products previously selected, even if previously selected products were also options.  
1. The Contractor is responsible for providing products and construction methods that are compatible with products and construction methods of subcontractors.  
2. If a dispute arises between the general Contractor and subcontractors over concurrently selectable, but incompatible products, the Owner will determine which products shall be retained and which are incompatible and must be replaced.  

C. Nameplates: Except for required labels and operating data, do not attach or imprint manufacturer's or producer's nameplates or trademarks on exposed surfaces of products which will be exposed to view.  
1. Labels: Locate required product labels and stamps on a concealed surface or, where required for observation after installation, on an accessible surface that is not conspicuous.  

D. Manufacturer's Instructions  
1. When contract documents specify that installation shall comply with manufacturer's printed instructions, obtain and distribute copies of such instructions to all parties involved in the installation, including the Owner.  
2. Maintain one set of complete instructions with the Project Record Documents at the job site during installation and until completion.
1.05 PRODUCT DELIVERY, STORAGE, AND HANDLING
A. Deliver, store and handle products in accordance with the manufacturer's recommendations, using
means and methods that will prevent damage, deterioration and loss, including theft.
1. Schedule delivery to minimize long-term storage at the site and to prevent overcrowding
   of construction spaces.
2. Coordinate delivery with installation time to ensure minimum holding time for items that
   are flammable, hazardous, easily damaged, or sensitive to deterioration, or theft.
3. Deliver products to the site in the manufacturer's original sealed container or other
   packaging system, complete with labels and instructions for handling, storing, unpacking,
   protecting and installing.
4. Inspect products upon delivery to ensure compliance with the Contract Documents, and to
   ensure that products are undamaged and properly protected.
5. Store products at the site in a manner that will facilitate inspection and measurement of
   quantity or counting of units.
6. Store heavy materials away from the Project structure in a manner that will not endanger
   the supporting construction.
7. Store products subject to damage by the elements above ground, under cover in a
   weathertight enclosure, with ventilation adequate to prevent condensation. Maintain
   temperature and humidity within range required by manufacturer's instructions.
B. Arrange for transportation and deliveries of materials and equipment in accord with approved
   current construction schedules and in ample time to facilitate inspection prior to installation.
C. Coordinate deliveries to avoid conflict with work and conditions at site:
   1. Work of other contractors or Owner, or their use of premises.
   2. Limitations of storage space.
   3. Availability of equipment and personnel for handling products.

PART 2 - PRODUCTS

2.01 PRODUCT SELECTION
A. General Product Requirements: Provide products that comply with the Contract Documents, that
   are undamaged and, unless otherwise indicated, unused at the time of installation.
   1. Provide products complete with all accessories, trim, finish, safety guards and other
      devices and details needed for a complete installation and for the intended use and effect.
   2. Standard Products: Where available, provide standard products of types that have been
      produced and used successfully in similar situations on other projects.
   3. Comply with size, make, type and quality specified.
   4. Manufactured and fabricated products:
      a. Design, fabricate and assemble in accord with best engineering and shop
         practices.
      b. Manufacture like parts of duplicate units to standard interchangeable sizes.
      c. Two or more items of the same kind shall be identical from the same
         manufacturer.
      d. All system parts shall be from the same manufacturer to the greatest extent
         practical.
      e. Adhere to equipment capacities, sizes and dimensions shown or specified unless
   variations are specifically approved by Change Order.
B. Product Selection Procedures: Product selection is governed by the Contract Documents and
   governing regulations, not by previous Project experience. Procedures governing product
   selection include the following:
   1. Proprietary Specification Requirements: Where only a single product or manufacturer is
      named, provide the product indicated. No substitutions will be permitted.
   2. Semi-proprietary Specification Requirements: Where two or more products or
      manufacturers are named, provide one of the products indicated. No substitutions will be
      permitted.
      a. Where products or manufacturers are specified by name, accompanied by the
         term "or equal," or "or approved equal" comply with the Contract's provisions
         concerning "substitutions" to obtain approval for use of an unnamed product.
3. Non-Proprietary Specifications: When the Specifications list products or manufacturers that are available and may be incorporated in the Work, but do not restrict the Contractor to use of these products only, the Contractor may propose any available product that complies with Contract requirements. Comply with Contract Document provisions concerning "substitutions" to obtain approval for use of an unnamed product.

4. Descriptive Specification Requirements: Where Specifications describe a product or assembly, listing exact characteristics required, with or without use of a brand or trade name, provide a product or assembly that provides the characteristics and otherwise complies with Contract requirements.

5. Performance Specification Requirements: Where Specifications require compliance with performance requirements, provide products that comply with these requirements, and are recommended by the manufacturer for the application indicated. General overall performance of a product is implied where the product is specified for a specific application.
   a. Manufacturer’s recommendations may be contained in published product literature, or by the manufacturer’s certification of performance.

6. Compliance with Standards, Codes and Regulations: Where the Specifications only require compliance with an imposed code, standard or regulation, select a product that complies with the standards, codes or regulations specified.

7. Visual Matching: Where Specifications require matching an established Sample, the Owner’s decision will be final on whether a proposed product matches satisfactorily.
   a. Where no product available within the specified category matches satisfactorily and also complies with other specified requirements, comply with provisions of the Contract Documents concerning "substitutions" for selection of a matching product in another product category, or for noncompliance with specified requirements.

8. Visual Selection: Where specified product requirements include the phrase "...as selected from manufacturer's standard colors, patterns, textures..." or a similar phrase, select a product and manufacturer that complies with other specified requirements. The Owner will select the color, pattern and texture from the product line selected.

C. Deliver products in undamaged condition in original containers or packaging, with identifying labels intact and legible.

D. Clearly mark partial deliveries of component parts or assemblies or equipment to permit easy identification of parts and to facilitate assembly.

E. Immediately on delivery, inspect shipment to assure:
   1. Product complies with contract documents and Owner
   2. Quantities are correct.
   3. Containers and packages are intact and labels are legible.
   4. Products are properly protected and undamaged.

**PART 3 - EXECUTION**

3.01 INSTALLATION OF PRODUCTS:
   A. Comply with manufacturer’s instructions and recommendations for installation of products in the applications indicated. Anchor each product securely in place, accurately located and aligned with other Work.
      1. Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.
   B. Provide equipment and personnel to handle products and equipment, including those furnished by the Owner. Prevent damage to products or packaging.
   C. Provide additional protection during handling to prevent scraping, marring or otherwise damaging products, equipment or surrounding surfaces.
   D. Handle products and equipment in manner to prevent bending or overstressing.
   E. Lift packages, equipment or components only at designated lift points.

END OF SECTION 01 60 00
SECTION 01 63 00
SUBSTITUTIONS AND PRODUCT OPTIONS

PART 1 - GENERAL

1.01 WORK INCLUDES
A. Base all bids on providing all products exactly as specified.
B. For products specified only by reference or performance standards, select any product which meets or exceeds standards, by any manufacturer, subject to the Owner's approval.
C. For products specified by naming several products or manufacturers, select any product and manufacturer named.

1.02 RELATED WORK
A. Drawings and general provisions of Contract, including General and Supplementary Conditions, Special Provisions and all other Divisions of the Project Manual, apply to this Section.

1.03 SUBSTITUTIONS, BIDDER/CONTRACTOR OPTIONS
A. Prior to Bid Opening: The Owner will consider written requests to amend the bidding documents to add products not specified provided such requests are received at least 10 calendar days prior to bid opening date. Requests received after that time will not be considered. When a request is approved, the Owner will issue an appropriate addendum not less than three (3) calendar days prior to bid opening date.
B. With Bid: A bidder may propose substitutions with his bid by completing the Product Substitution List in the Bid Form, subject to the provisions stated thereon. The Owner will review Proposed Product Substitution List of low bidder and recommend approval or rejection by the Owner prior to award of contract.
C. After Award of Contract: No substitutions will be considered after Notice of Award except under one or more of the following conditions:
   1. Substitution required for compliance with final interpretations of code requirement or insurance regulations.
   2. Unavailability of specified products, through no fault of the Contractor.
   3. Subsequent information discloses inability of specified product to perform properly or to fit in designated space.
   4. Manufacturer/fabricator refusal to certify or guarantee performance of specified product as specified.
   5. When a substitution would be substantially to Owner's best interest.

1.04 SUBSTITUTION REQUIREMENTS
A. Submit three (3) copies of each request for substitution. Include in request:
   1. Complete date substantiating compliance of proposed substitution with contract documents.
   2. For products:
      a. Product identification, including manufacturer's name and address.
      b. Manufacturer's literature:
         1) Product description
         2) Performance and test data
         3) Reference standards
      c. Samples
      d. Name and address of similar projects on which product was used and dates of installation.
   3. For construction methods:
      a. Detailed description of proposed method.
      b. Drawings illustrating methods.
   4. Itemized comparison of proposed substitution with product or method specified.
   5. Data relating to changes in construction schedule.
   6. Identify:
      a. Changes or coordination required.
      b. Other contracts affected.
   7. Accurate cost data on proposed substitution in comparison with product or method specified.
B. In making request for substitution, bidder/contractor represents:
   1. He has personally investigated proposed product or method and determined that it is equal or superior in all respects to that specified.
   2. He will provide the same guarantee for substitution as for product or method specified.
   3. He will coordinate installation of accepted substitutions into the work, making all changes for work to be complete in all respects.
   4. Cost data is complete and includes all related costs under his contract, but excludes:
      a. Owner's redesign.
      b. Administrative costs of Owner.
      c. Costs under separate contracts.
   5. He will pay all additional costs and expenses for Owner and other contractors.
C. Substitutions will not be considered when:
   1. They are indicated or implied on shop drawings or product data submittals without formal request submitted in accordance with this Section.
   2. Acceptance will require substantial revision of contract documents.

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 63 00
PART 1 - GENERAL

1.01 WORK INCLUDES
   A. Substantial completion, final completion, closeout submittals, and application for final payment.
   B. This Section specifies administrative and procedural requirements for project closeout, including but not limited to:
      1. Inspection procedures.
      2. Project record document submittal.
      3. Operating and maintenance manual submittal.
      4. Submittal of warranties.
      5. Final cleaning.
      6. Final payment.

1.02 RELATED WORK
   A. Drawings and general provisions of Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 SUBSTANTIAL COMPLETION
   A. When the Contractor considers the work substantially complete, Contractor shall submit written declaration to the Owner that the work, or designated portion thereof, is substantially complete. Include list of items to be completed or corrected.
   B. Owner and Contractor will make an inspection within seven days after receipt of certification.
   C. Should the Owner consider that the work is substantially complete:
      1. The Owner will prepare and issue a Certificate of Substantial Completion, containing:
         a. Date of Substantial Completion.
         b. Punch list of items to be completed or corrected.
         c. The time within which Contractor shall complete or correct work of listed items.
            All punch list items must be completed within 30 days of substantial completion.
         d. Date and time Owner will assume possession of work or designated portion thereof.
         e. Responsibilities of Owner and Contractor for:
            (1.) Insurance
            (2.) Utilities
            (3.) Operation of mechanical, electrical and other systems.
            (4.) Maintenance and cleaning.
            (5.) Security
         f. Signatures of Owner and Contractor
   D. Should the Owner consider that work is not substantially completed:
      1. The Owner shall immediately notify Contractor, in writing, stating reasons.
      2. The Contractor shall complete work and send a second written notice to Owner, certifying that project, or designated portion of project, is substantially complete.
      3. The Owner will re-inspect work.

1.04 FINAL INSPECTION
   A. When the Contractor considers the work complete, the Contractor shall submit written declaration to the Owner that the work is complete. Contractor shall submit written certification that:
      1. Contract documents have been reviewed.
      2. Project has been inspected for compliance with contract.
      3. Work has been completed in accord with contract.
      4. Equipment and systems have been tested in the Owner’s presence and are operational.
      5. Project is completed, ready for final inspection.
   B. The Owner will make final inspection within seven days after receipt of certification.
   C. Should the Owner consider that work is finally complete in accord with Contract Document requirements, he shall request contractor to make project closeout submittals.
   D. Should the Owner consider that work is not finally complete:
      1. The Owner shall notify the Contractor, in writing, stating reasons.
2. The Contractor shall take immediate steps to remedy the stated deficiencies, and send second written notice to the Owner certifying that the work is complete.
3. The Owner will re-inspect work.

1.06 CLOSEOUT SUBMITTALS
A. Project Record Documents: In accordance with requirements of SECTION 01720 - PROJECT RECORD DOCUMENTS.
B. Deliver evidence of compliance with requirements of governing authorities.
C. Deliver Certificate of Insurance for products and completed operations. Certificate shall include evidence that insurance required by the Contract Documents to remain in force after final payment is currently in effect and will not be canceled or allowed to expire until at least 30 days prior notice has been given to the Contractor. Contractor shall include a written statement that Contractor knows of no substantial reason that the insurance will not be renewable to cover the period required by the Contract Documents.
D. Evidence of payments, release of liens
   1. Consent of Surety to Final Payment.
   2. Other data establishing payment or satisfaction of obligations including receipts, Contractor’s releases and waivers of liens, claims, security interests or encumbrances arising out of the Contract, to the extent and form as required by the City.
   3. Separate releases of waivers of liens for subcontractors, suppliers and others with lien rights against property of Owner together with list of those parties.
   4. Paid utility bills, if any.
   5. An affidavit that payrolls, bills for materials and equipment and other indebtedness connected to the work for which the City or the City’s property might be responsible or encumbered (less any amounts withheld by City) have been paid or otherwise satisfied.

1.07 INSTRUCTION
A. Instruct Owner’s personnel in operation of all systems, mechanical, electrical and other equipment.

1.08 FINAL ADJUSTMENT OF ACCOUNTS
A. Submit final statement of accounting to Owner.
B. Statement shall reflect all adjustments.
   1. Original contract sum.
   2. Additions and deductions resulting from:
      a. Previous change orders.
      b. Cash allowances.
      c. Unit prices.
      d. Other adjustments.
      e. Deductions for uncorrected work.
      f. Deductions for re-inspection payments.
   3. Total contract sum, as adjusted.
   4. Previous payments.
   5. Sum remaining due.
C. The Owner will prepare final change order, reflecting approved adjustments to contract sum not previously made by change orders.

1.09 FINAL APPLICATION FOR PAYMENT
A. Contractor shall submit final application in accord with requirements of Conditions of Contract.

1.10 FINAL CERTIFICATE FOR PAYMENT
A. The Owner will issue final certificate in accord with provisions of Conditions of contract.
B. Should final completion be materially delayed through no fault of the Contractor, the Owner may issue a Semi-Final Certificate of Payment, in accord with provisions of Conditions of Contract.

PART 2 – PRODUCTS
(NOT APPLICABLE)

PART 3 – EXECUTION
(UNKNOWN)

END OF SECTION 01 70 00
SECTION 01 71 00
CLEANING

PART 1 - GENERAL

1.01 WORK INCLUDES
A. Contractor shall maintain premises and public properties free from accumulations of waste, debris, and rubbish, caused by construction operations.
B. At completion of work, Contractor shall remove waste materials, rubbish, tools, equipment, machinery and surplus materials, clean all sight-exposed surfaces and leave project clean and ready for occupancy.

1.02 RELATED WORK
A. Drawings and general provisions of Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 SAFETY REQUIREMENTS
A. Standards: Maintain project in accord with following safety and insurance standards.
   1. Occupational Safety and Health Administration (OSHA).
B. Hazards Control:
   1. Store volatile wastes in covered metal containers and remove from premises daily.
   2. Prevent accumulation of wastes which create hazardous conditions.
   3. Provide adequate ventilation during use of volatile or noxious substances.
C. Conduct cleaning and disposal operations to comply with Federal, State and local ordinances and anti-pollution laws.
   1. Do not burn or bury debris, rubbish or other waste materials on project site.
   2. Do not dispose of volatile wastes such as mineral spirits, oil or paint thinner in storm or sanitary drains.
   3. Do not dispose of wastes into streams or waterways.

PART 2 - PRODUCTS

2.01 MATERIALS
A. Select and use all cleaning materials and equipment with care to avoid scratching, marring, defacing, staining or discoloring surfaces cleaned.
B. Use only cleaning materials recommended by manufacturer of surface to be cleaned.
C. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.

PART 3 - EXECUTION

3.01 DURING CONSTRUCTION
A. Execute cleaning to ensure that grounds and public properties are maintained free from accumulations of waste materials and rubbish.
B. Wet down materials and rubbish to lay dust and to prevent blowing dust.
C. At reasonable intervals during progress of work, clean site and public properties, and dispose of waste materials, debris and rubbish.
D. Provide on-site metal containers for collection of waste materials, debris and rubbish.
E. Remove waste materials, debris and rubbish from site and legally dispose of at public or private dumping areas off Owner's property.
F. Handle waste materials in a controlled manner with as few handleings as possible; do not drop or throw materials from heights.
G. Schedule cleaning operations so that dust and other contaminants resulting from cleaning process will not fall on wet, newly painted surfaces.

3.02 FINAL CLEANING
A. General: Provide final cleaning operations when indicated. Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit of Work to the condition expected from a commercial building cleaning and maintenance program. Comply with manufacturer’s instructions.
B. In preparation for substantial completion or occupany, conduct final inspection of sight-exposed interior and exterior surfaces, and of concealed spaces.

C. Clean the Project site, yard and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste materials, litter and foreign substances. Sweep paved areas broom clean. Remove petro-chemical spills, stains and other foreign deposits. Rake grounds that are neither planted nor paved, to a smooth even-textured surface.

1. Remove tools, construction equipment, machinery and surplus material from the site.
2. Clean exposed exterior hard-surfaced finishes to a dirt-free condition, free of stains, films and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
3. Remove debris and surface dust from limited access spaces.
4. Remove labels that are not permanent labels.
5. Touch-up and otherwise repair and restore marred exposed finishes and surfaces. Replace finishes and surfaces that can not be satisfactorily repaired or restored, or that show evidence of repair or restoration. Do not paint over “UL” and similar labels, including mechanical and electrical name plates.
6. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
7. Leave the Project clean and ready for occupancy.

E. Repair, patch and touch up marred surfaces to specified finish, to match adjacent surfaces.
F. Broom clean paved surfaces; rake clean other surfaces on grounds.
G. Maintain cleaning until project, or designated portion thereof, is occupied by Owner.

END OF SECTION 01 71 00
PART 1 - GENERAL

1.01 WORK INCLUDES
A. Maintenance of Documents
B. Contractor shall:
   1. At project site, maintain one (1) copy of:
      (a.) Contract drawings.
      (b.) Project Manual.
      (c.) Interpretations and supplemental instructions.
      (d.) Addenda.
      (e.) Reviewed, approved shop drawings and product data.
      (f.) Other modifications to contract.
      (g.) Field test records.
      (h.) All schedules.
      (i.) Correspondence file.
      (j.) Change Orders
   2. Provide files and racks for document storage.
   3. File documents in format in accord with Project Manual Table of Contents.
   5. Do not use record documents for field construction purposes.
   6. Make documents available at all times for inspection by Owner.
   7. Furnish one (1) additional as-built record set of contract documents at the completion of
      the project. This set is not to be the set kept and updated periodically at the job site, but a clean set free of extraneous markings, notations, and erasures showing on a record of final conditions. Provide as-built record set in both PDF and AutoCAD formats.

1.02 RELATED REQUIREMENTS
A. Drawings and general provisions of Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 MARKING DEVICES
A. Provide ballpoint pens, red color.

1.04 RECORDING
A. Label each document "PROJECT RECORD DOCUMENTS" in 2" high printed letters.
B. Keep record documents current, updated not less often than monthly.
C. Do not permanently conceal any work until specified information has been recorded.
D. Contract drawings: Legibly mark to record actual construction:
   1. Depths of various elements of foundation in relation to adjacent ground elevations.
   2. Horizontal and vertical location of underground utilities and appurtenances referenced to permanent surface improvements.
   3. Location of internal utilities and appurtenances concealed in construction referenced to visible and accessible features of structure.
   4. Field changes of dimension and detail.
   5. Changes made by change order.
   6. Details not on original contract drawings.
E. Specifications and addenda: Legibly mark-up each section to record:
   1. Manufacturer, trade name, catalog number, and supplier of each product and item of equipment actually installed.
   2. Changes made by change order or field order.
   3. Other matters not originally specified.
F. Shop drawings: Maintain as record documents; legibly annotate drawings to record changes made after review.

1.05 SUBMITTAL
A. At completion of project, deliver record documents to Owner.
B. Accompany submittal with transmittal letter, in duplicate, containing:
   1. Date.
2. Project title and number.
3. Contractor's name and address.
4. Title and number of each record document.
5. Certification that each document submitted is complete and accurate.
6. Signature of contractor, or his authorized representative.

PART 2 - PRODUCTS
(NOT APPLICABLE)

PART 3 - EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 72 00
SECTION 01 73 00
OPERATING AND MAINTENANCE DATA

PART 1 - GENERAL

1.01 WORK INCLUDES
A. Contractor shall:
   1. Compile product data and related information appropriate for Owner's maintenance and operation of products and equipment provided under the Contract.
   2. Instruct Owner's personnel in operation and maintenance of products, equipment and systems.

1.02 RELATED REQUIREMENTS
A. Drawings and general provisions of Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 QUALITY ASSURANCE
A. Maintenance Manual Preparation: In preparation of Maintenance Manuals, use personnel thoroughly trained and experienced in operation and maintenance of the equipment or system involved.
   1. Where written instructions are required, use personnel skilled in technical writing to the extent necessary for communication of essential data.
   2. Where Drawings or diagrams are required, use draftsmen capable of preparing Drawings clearly in an understandable format.
B. Instructions for the Owner's Personnel: For instruction of the Owner's operating and maintenance personnel, use experienced instructors thoroughly trained and experienced in the operation and maintenance of the equipment or system involved.

1.04 SUBMITTALS
A. Form: Manufacturer's standard product or equipment data of same type and form furnished to manufacturer's maintenance personnel.
B. Provide sturdy manila or kraft envelope, properly labelled, of sufficient size to contain all submittals.
C. Submit one copy of data in final form at least fifteen days before final inspection. This copy will be returned within fifteen days after final inspection, with comments.
   1. After final inspection make corrections or modifications to comply with the Owner's comments. Submit the specified number of copies of each approved manual to the Owner within fifteen days of receipt of the Owner's comments.
D. Form of Submittal: Prepare operating and maintenance manuals in the form of an instructional manual for use by the Owner's operating personnel. Organize into suitable sets of manageable size. Where possible, assemble instructions for similar equipment into a single binder.
E. Binders: For each manual, provide heavy-duty, commercial quality, durable 3-ring vinyl covered loose-leaf binders, in thickness necessary to accommodate contents, sized to receive 8-1/2" by 11" paper. Provide a clear plastic sleeve on the spine, to hold labels describing the contents. Provide pockets in the covers to receive folded sheets.
F. Text Material: Where written material is required as part of the manual use the manufacturer's standard printed material, or if it is not available, specially prepared data, neatly typewritten, on 8-1/2" by 11", 20 pound white bond paper.
G. Drawings: Where drawings or diagrams are required as part of the manual, provide reinforced punched binder tabs on the drawings and bind in with the text.

1.04 MANUAL CONTENT
A. Neatly typewritten table of contents for each volume, arranged in systematic order. Follow Project Manual format.
B. In each manual include information specified in the individual Specification Section, and the following information for each major component of equipment and its controls:
   1. General system or equipment description.
   2. Design factors and assumptions.
   3. Copies of applicable Shop Drawings and Product Data.
   4. System or equipment identification, including:
      a. Name of manufacturer.
b. Model number.
c. Serial number of each component.

5. Operating instructions.
7. Wiring diagrams.
8. Inspection and test procedures.
9. Maintenance procedures and schedules.
10. Precautions against improper use and maintenance.
12. Repair instructions including spare parts listing.
13. Sources of required maintenance materials and related services.
15. Contractor, name of responsible principal, address and telephone number.
16. List with each product, the name, address and telephone number of:
   a. Subcontractor
   b. Maintenance contractor, as appropriate.
   c. Identify area of responsibility of each
   d. Local supply source for parts and replacement.

C. Organize each manual into separate Sections for each piece of related equipment. As a minimum each manual shall contain a title page, a table of contents, copies of Product Data, supplemented by drawings and written text, and copies of each warranty, bond and service Contract issued.

D. General Information: Provide a general information Section immediately following the Table of Contents, listing each product included in the manual, identified by product name. Under each product, list the name, address, and telephone number of the Subcontractor or installer, and the maintenance contractor. Clearly delineate the extent of responsibility of each of these entities. In addition, list a local source for replacement parts and equipment.

E. Product Data: Where manufacturer's standard printed data is included in the manuals, include only sheets that are pertinent to the part or product installed. Mark each sheet to identify each part or product included in the installation. Where more than one item in a tabular format is included, identify each item, using appropriate references from the Contract Documents. Identify data that is applicable to the installation and delete references to information that is not applicable.

F. Written Text: Where manufacturer's standard printed data is not available, and information is necessary for proper operation and maintenance of equipment or systems, or it is necessary to provide additional information to supplement data included in the manual, prepare written text to provide necessary information. Organize the text in a consistent format under separate headings for different procedures. Where necessary, provide a logical sequence of instruction for each operating or maintenance procedure.

G. Drawings: Provide specially prepared drawings where necessary to supplement manufacturer's printed data to illustrate the relationship of component parts of equipment or systems, or to provide control or flow diagrams. Coordinate these drawings with information contained in Project Record Drawings to assure correct illustration of the completed installation.

H. Do not use original Project Record Documents as part of the Operating and Maintenance Manuals.

I. Warranties, Bonds and Service Contracts: Provide a copy of each warranty, bond or service contract in the appropriate manual for the information of the Owner's operating personnel. Provide written data outlining procedures to be followed in the event of product failure. List circumstances and conditions that would affect validity of the warranty or bond.
   1. Contractor, name of responsible principal, address and telephone number.
   2. List of each product specified to be included, indexed to volume content.
   3. List with each product, the name, address and telephone number of:
      a. Subcontractor
      b. Maintenance contractor, as appropriate.
      c. Identify area of responsibility of each.
      d. Local supply source for parts and replacement.

J. Product Data:
   1. Include only sheets pertinent to specific product.
   2. Annotate each sheet to:
      a. Clearly identify specific product or part installed.
b. Clearly identify data applicable to installation.
c. Delete references to inapplicable installation.

K. Drawings:
1. Supplement product data with drawings to clearly illustrate relationship of component parts of equipment and systems and control and flow diagrams.
2. Coordinate drawings with information in Product Record Documents to assure correct illustration of completed installation.
3. Do not use Project Record Documents as maintenance drawings.

L. Written text to supplement product data for particular installation:
1. Organize in consistent format under separate headings for different procedures.
2. Provide logical sequence of instructions for each procedure.

M. Copy of each warranty, bond and service contract issued.
1. Provide information sheet for Owner personnel. Give:
   a. Proper procedures in event of failure.
   b. Instances which might affect validity of warranties or bonds.

1.05 MANUAL FOR MATERIALS AND FINISHES

A. Submit two (2) copies of complete manual in final form.

B. Refer to individual Specification Sections for additional requirements on care and maintenance of materials and finishes.

C. Content for products, applied materials and finishes:
1. Manufacturer's data, giving full information on products.
   a. Catalog number, size, composition.
   b. Color and texture designations.
   c. Information for re-ordering special-manufactured products.
2. Instructions for care and maintenance.
   a. Manufacturer's recommendations for types of cleaning agents and methods.
   b. Cautions against cleaning agents and methods detrimental to product.
   c. Recommended cleaning and maintenance schedule.

D. Moisture-Protection and Weather-Exposed Products: Provide complete manufacturer's data with instructions on inspection, maintenance and repair of products exposed to the weather or designed for moisture-protection purposes.

E. Manufacturer's Data: Provide manufacturer's data giving detailed information, including the following, as applicable:
1. Applicable standards.
2. Chemical composition.
3. Installation details.
4. Inspection procedures.
5. Maintenance information.
6. Repair procedures.

PART 2 - PRODUCTS
(NOT APPLICABLE)

PART 3 - EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 73 00
1.01 SUMMARY
A. This Section specifies general administrative and procedural requirements for warranties and bonds required by the Contract Documents, including manufacturer’s standard warranties on products and special warranties.
   1. Warranties for the Work and products and installations of each Contractor shall be one (1) year unless specified otherwise on the Drawings or in the individual Sections of Divisions 2 through 16.
B. Disclaimers and Limitations: Manufacturer's disclaimers and limitations on product warranties do not relieve the Contractor of the warranty on the Work that incorporates the products, nor does it relieve suppliers, manufacturers, and Contractors required to countersign special warranties with the Contractor.

1.02 RELATED DOCUMENTS
A. Drawings and general provisions of Contract, including General and Supplementary Conditions and all other Divisions of the Project Manual, apply to this Section.

1.03 WARRANTY REQUIREMENTS
A. Related Damages and Losses: When correcting warranted Work that has failed, remove and replace other Work that has been damaged as a result of such failure or that must be removed and replaced to provide access for correction of warranted Work.
B. Reinstatement of Warranty: When Work covered by a warranty has failed and been corrected by replacement or rebuilding, reinstate the warranty by written endorsement. The reinstated warranty shall be equal to the original warranty with an equitable adjustment for depreciation.
C. Replacement cost: Upon determination that Work covered by a warranty has failed, replace or rebuild the Work to an acceptable condition complying with requires of the Contract Documents. The Contractor is responsible for the cost of replacing or rebuilding defective Work regardless of whether the Owner has benefited from use of the Work through a portion of its anticipated useful service life.
D. Owner's Recourse: Written warranties made to the Owner are in addition to implied warranties, and shall limit the duties, obligations, rights and remedies otherwise available under the law, nor shall warranty periods be interpreted as limitations on time in which the Owner can enforce such other duties, obligations, rights or remedies.
   1. Rejection of Warranties: The Owner reserves the rights to reject warranties and to limit selections to products with warranties not in conflict with requirements of the Contract Documents.
E. The Owner reserves the right to refuse to accept Work for the Project where a special warranty, certification, or similar commitment is required on such Work or part of the Work, until evidence is presented that entities required to countersign such commitments are willing to do so.
F. For specific warranty requirements related to landscape materials, refer to the applicable Section.

1.04 SUBMITTALS
A. Submit written warranties to the Owner prior to the date certified for Substantial Completion. If the Owner’s Certificate of Substantial Completion designates a commencement date for warranties other that the date of Substantial Completion for the Work, or a designated portion of the Work, submit written warranties upon request of the Owner.
   1. When a designated portion of the Work is completed and occupied or used by the Owner, by separate agreement with the Contractor during the construction period, submit properly executed warranties to the Owner within fifteen days of completion of that designated portion of the Work.
B. Form of Submittal: At Final Completion, compile two copies of each required warranty and bond properly executed by the Contractor, or by the Contractor, Subcontractor, supplier, or manufacturer. Organize the warranty documents into an orderly sequence based on the table of contents of the Project Manual.
C. Bind warranties and bonds in heavy-duty, commercial quality, durable 3-ring vinyl covered loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8-1/2" by 11" paper.

1. Provide heavy paper dividers with celluloid covered tabs for each separate warranty. Mark the tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product, and the name, address and telephone number of the installer.

2. Identify each binder on the front and the spine with the typed or printed title "WARRANTIES AND BONDS", the project title or name, and the name of the Contractor.

3. When operating and maintenance manuals are required for warranted construction, provide additional copies of each required warranty, as necessary, for inclusion in each required manual.

PART 2 - PRODUCTS
(NOT APPLICABLE)

PART 3 - EXECUTION
(NOT APPLICABLE)

END OF SECTION 01 74 00
PART 1 - GENERAL

1.1 SCOPE OF WORK
A. Steam and steam condensate pipe and fitting materials, joining methods, valves, and specialties in this section include:
   1. Steam Piping
   2. Condensate Piping
   3. Flanges, Unions and Couplings
   4. Valves

1.2 DEFINITIONS
A. Clean Steam and Condensate: Steam and condensate distribution systems where chemical treatment is not used.
B. Steam Pressures:
   1. Low Pressure Systems: Low-pressure piping operating at 15 psig or less as required by ASME B31.9.
C. SWP: Steam working pressure

1.3 CODES AND STANDARDS (USE LATEST EDITIONS)
A. American Welding Society (AWS)
   1. AWS D1.1/D1.1M: Structural Welding Code Steel
B. American Society of Mechanical Engineers (ASME)
   1. ASME B1.20.1: Pipe Threads, General Purpose (Inch)
   2. ASME B16.1: Cast Iron Pipe Flanges and Flanged Fittings
   3. ASME B16.3: Malleable Iron Threaded Fittings
   4. ASME B16.4: Cast-Iron Threaded Fittings
   5. ASME B16.5: Pipe Flanges and Flanged Fittings, NPS 1/2 to NPS 24
   6. ASME B16.10: Face-to-Face and End-to-End Dimensions of Valves
   7. ASME B16.21: Nonmetallic Flat Gaskets for Pipes Flanges
   8. ASME B16.22: Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
   9. ASME B16.34: Valves – Flanged, Threaded and Welding End
  10. ASME B16.39: Malleable Iron Threaded Pipe Unions
  11. ASME B18.2.1: Square and Hex Bolts and Screws-Inch Series
  12. ASME B31.1: Power Piping
  13. ASME B31.9: Building Services Piping
  14. ASME B36.19M: Stainless Steel Piping
  15. ASME Boiler and Pressure Vessel Code: Section II, Part C, "Welding Rods, Electrodes, and Filler Metals"; Section VIII, "Pressure Vessels"; Section IX, "Welding and Brazing Qualifications"
C. American Society for Testing Materials (ASTM)
   1. ASTM A 53/A 53M: Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
3. ASTM A 234/A 234M: Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service
4. ASTM A 307: Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength
5. ASTM A 733: Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples
6. ASTM B 32: Specification for Solder Metal
7. ASTM B 61: Specification for Steam or Valve Bronze Castings
8. ASTM B 62: Specification for Composition Bronze of Ounce Metal Castings
9. ASTM B 88: Specification for Seamless Copper Water Tube
10. ASTM B 88M: Specification for Seamless Copper Water Tube
11. ASTM B 813: Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper Alloy Tube
12. ASTM D 2996: Specification for Filament-Wound "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe
13. ASTM D 4024: Specification for Machine-Made "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Flanges

D. Manufacturers Standardization Society of the Valve and Fittings Industry Inc. (MSS)
1. MSS SP-70: Cast Iron Gate Valves, Flanged and Threaded Ends

1.4 QUALITY ASSURANCE
A. Pipe: Each length of pipe shall be legibly identified at mill by paint, stenciling or raised symbols identifying manufacturer and class type or schedule of pipe. Copper pipe shall be identified at 3 foot intervals.
B. Fittings: To be identified by the manufacturer by permanently attached tags, imprints, or other approved means, indicating the class of wall thickness and material.
C. Valves: Manufacturer’s name and pressure rating marked on valve body.
D. Welding Materials and Procedures: Conform to ANSI/ASME SEC 9 and applicable state labor regulations. Qualify processes and operators according to the following:
   2. Certify that each welder has passed AWS qualification tests for welding processes involved and that certification is current.
E. Steel Support Welding: Qualify processes and operators according to AWS D1.1/D1.1M, “Structural Welding Code - Steel.”
F. ASME Compliance:
   2. Safety valves and pressure vessels shall bear the appropriate ASME label.
   3. Fabricate and stamp flash tanks to comply with ASME Boiler and Pressure Vessel Code: Section VIII, Division 1.

1.5 SUBMITTALS
A. Preconstruction – Prior to construction provide the following in accordance with Specification 20 0500 – Basic Requirements for Mechanical, Plumbing, and Fire Suppression:
   1. Product Data: Submit product data for each type of the products listed in Part 2 including:
      a. Valves: Include flow and pressure drop curves based on manufacturer’s testing for calibrated balancing valves and automatic flow control valves.

B. Contract Closeout – At contract closeout provide the following in accordance with Specification 20 0500 – Basic Requirements for Mechanical, Plumbing, and Fire Suppression:
   1. Operation and Maintenance Data including:
      a. Product data
      b. Installation instructions
      c. Assembly views
      d. Replacement parts list
      e. Maintenance and operation instructions
   2. Warranties

1.6 DELIVERY, STORAGE, AND HANDLING
A. Protect new pipe interiors from moisture, construction debris and dust, and other foreign materials with the use of plastic end caps/plugs on each end of pipe. Maintain end-caps/plugs in place until piping is installed.
B. Store materials indoors, protected from the weather. Where exterior storage is necessary, elevate piping above grade and enclose with waterproof wrapping or cover.
C. Deliver and store valves in shipping containers with labeling in place.
D. Replace any piping or devices which are damaged during shipping or storage.

1.7 WARRANTY
A. One year warranty on products and complete installation commencing at the time of Substantial Completion

PART 2 - PRODUCTS

2.1 STEAM PIPING, LOW PRESSURE (UP TO 15 PSIG), ABOVE GRADE
A. Steel Pipe: ASTM A53/A53M, Grade B, Type E or S, Schedule 40, black steel with plain ends. Pipe 12” and over shall be standard weight, 0.375” wall thickness.
   1. Fittings and Joints
      a. 2” and smaller: ANSI/ASTM B16.3 Class 150 malleable iron or ANSI/ASTM B16.4 Class 125 cast iron fittings. Threaded joints.
      b. 2½” and larger: ASTM A234, wrought steel welding type fittings. ANSI/AWS D1.1 welded joints.
   2. Flanges and Flanged Fittings
      a. ANSI/ASME B16.1, Class 125 raised face cast iron flanges
      b. ANSI/ASME B16.5, Class 150 forged steel, raised face, welding neck flanges
2.2 STEAM CONDENSATE PIPING, LOW PRESSURE (UP TO 15 PSIG), ABOVE GRADE

A. Steel Pipe: ASTM A53/A53M, Grade B, Type E or S, Schedule 80, black steel with plain ends. Pipe 12” and over shall be extra strong weight, 0.50” wall thickness.

1. Fittings and Joints
   a. 2” and smaller: ANSI/ASTM B16.3 Class 150 malleable iron or ANSI/ASTM B16.4 Class 125 cast iron fittings. Threaded joints.
   b. 2½” and larger: ASTM A234, wrought steel welding type fittings. ANSI/AWS D1.1 welded joints.

2. Flanges and Flanged Fittings
   a. ANSI/ASME B16.1, Class 125 raised face cast iron flanges
   b. ANSI/ASME B16.5, Class 150 forged steel, raised face, welding neck flanges
   c. Flanges to match those on valves and equipment
   d. Slip-on steel flanges not allowed.

2.3 FLANGES,UNIONS AND COUPLINGS

A. Pipe 2” and smaller: Use ANSI/ASME B16.39 malleable iron unions for threaded pipe, ground joint, screwed bronze or brass to iron. Pressure class and joint type of union shall be equal to that specified for fittings of respective piping service.

B. Pipe 2½” and larger: Use ANSI/ASME B16.5, forged steel, raised face, welding neck flanges. Pressure class and joint type of flange shall be equal to that specified for fittings of respective piping service.

1. Slip-on flanges are not allowed.
2. Flange Bolts and Nuts: ASME B18.2.1, carbon steel, unless otherwise indicated.
3. Pipe-Flange Gasket Materials
   a. Suitable for chemical and thermal conditions of piping system contents, asbestos free.
   b. ASME B16.21, nonmetallic, flat, asbestos free, 1/8” maximum thickness unless thickness or specific material is indicated.
      (1) Full-Face Type: For flat-face, Class 125, cast-iron flanges.
      (2) Narrow-Face Type: For raised-face, Class 250, cast-iron and steel flanges.

C. Dielectric Connections: Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier.

2.4 GATE VALVES

A. Acceptable Manufacturers
   1. Crane
   2. Hammond
   3. Milwaukee
   4. Nibco
   5. Powell
   6. Watts Regulator
B. Low and Medium Pressure (Up to 99 psig)

1. 2” and smaller
   a. Class 125, 125 psi SWP rated, manufactured in accordance with MSS-SP-80 Type 2, ASTM B62 bronze body, union bonnet, bronze trim, rising stem with Acme thread and square end, malleable iron handwheel, inside screw, solid wedge bronze disc, threaded ends.
   b. Basis of Design: Model 1152 manufactured by Milwaukee.

2. 2½” and larger
   a. Class 125, 125 psi SWP rated, manufactured in accordance with MSS-SP-70, ASTM A126 iron body with bolted flanged yoke-bonnet, gland packed, bronze trim, rising stem, cast iron handwheel, OS&Y, solid wedge disc, asbestos free packing and gasket, flanged ends.
   c. Accessory Part Numbers:
      (1) Chainwheel: CIRG-3.0
      (2) Chain: R4/0-C-746
      (3) Master Link: R4/0-ML-746

PART 3 - EXECUTION

3.1 APPLICATION

A. Select system components with pressure rating equal to or greater than system operating pressure.

B. Shut-off valves

<table>
<thead>
<tr>
<th>System</th>
<th>Pipe Size</th>
<th>Valve Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure Steam and Steam Condensate (up to 15 psig)</td>
<td>2” and smaller</td>
<td>Gate valves</td>
</tr>
<tr>
<td></td>
<td>2½” to 8”</td>
<td>Gate valves</td>
</tr>
</tbody>
</table>

3.2 INSTALLATION

A. Steam and Steam Condensate Piping Installation

1. Install piping in concealed locations, unless otherwise indicated and except in equipment rooms and service areas.
2. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise.
3. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal.
4. Install piping to permit valve servicing.
5. Install piping at indicated slopes. Install steam piping at a uniform grade of 0.2 percent downward in direction of steam flow when no other slope is indicated on the drawings. Install condensate return piping at a minimum uniform grade of 0.4 percent downward in direction of condensate flow.
6. Install piping free of sags and bends.
7. Install piping to allow application of insulation.
8. Install groups of pipes at common elevations, parallel to each other, spaced to permit applying insulation and servicing of valves.
9. In no case will any pipe, conduit or duct be installed where it is supported on or suspended from another pipe, conduit or duct.

B. Fittings
1. Install fittings for changes in direction and branch connections.
2. Reduce pipe sizes using eccentric reducer fitting installed with level side down. Concentric fittings may be used for changes in vertical pipes.
3. Install steam and steam condensate branch connections to mains using tee fittings in main pipe, with the branch connected to the top of the pipe, or at a top-45 degree angle from the main pipe.
   a. The use of saddle or “cut-in” connections is NOT allowed.
   b. The use of T-Drill connections is NOT allowed.
4. The use of bullhead tee connections, where two opposite flows join to a common perpendicular outlet, is NOT allowed.

C. Pipe Joint Construction
2. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.
3. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Join pipe fittings and valves as follows:
   a. Apply appropriate tape or thread compound to external pipe threads unless dry seal threading is specified.
   b. Damaged Threads: Do not use pipe or pipe fittings with threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds.
5. Flanged Joints: Select appropriate gasket material, size, type, and thickness for service application. Install gasket concentrically positioned. Use suitable lubricants on bolt threads.
   a. By using torque wrench, tighten nuts in proper sequence so gasket is compressed evenly and to the appropriate torques specified by the bolt manufacturer.
   b. Re-torque bolts 12 to 24 hours after start-up.

D. Valves
1. Examine valve interior for cleanliness. Clean or replace as required.
2. Remove special packing materials from valves.
3. Operate valves in positions from fully open to fully closed. Examine guides and seats made accessible by valve operation.
4. Install valves with stems upright or horizontal, not inverted.
5. Install valves in position to allow full movement and operation.
6. Install chainwheels on operators for butterfly and other shut-off valves sizes 8” and over, installed 8’-0” or more above floor in mechanical rooms.

7. Install swing check valves in horizontal position with hinge pin level.

### 3.3 WELDING

A. All welding shall be performed by experienced welders in a neat and workmanlike manner. Welding done on piping, pressure vessels, and structural steel under this section shall be performed only by persons who are currently qualified in accordance with ANSI Standard Code for Pressure Piping, Section I, Power Piping, Bulletin ANSI B31.1.0-1980; applicable portions of ASME Boiler and Pressure Vessel Code, Section I, Power Boilers, and Section IX, Welding Qualifications. Submit for approval and record certified copies of Procedure Specification for Welding, Welding Procedure Qualification Tests and Welder Performance Qualification Tests. Welding specifications and qualification tests shall be recorded on Forms Q-1, as recommended in Appendix II of Section IX of the ASME Boiler and Pressure Vessel Code. Records shall be certified by Contractor and shall be accessible to authorized inspector.

B. Bevel piping on both ends before welding as required and defined in Code.

C. Use following weld spacing on all butt-welds:

<table>
<thead>
<tr>
<th>Nominal Pipe Wall Thickness</th>
<th>Space</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼” or less</td>
<td>⅛”</td>
</tr>
<tr>
<td>Over ¼” or less than ¾”</td>
<td>⅛”</td>
</tr>
<tr>
<td>¾” and over</td>
<td>⅛”</td>
</tr>
</tbody>
</table>

D. Use backing rings on welds in all piping 10” and larger.

E. Where welding branches or connections are taken from a branch or main and the branch or connection pipe size is the same diameter as the main, a welding tee must be installed in the main for the branch or connection.

F. Where branches or connections are made to a welded main and the branch or connection is two pipe sizes less than the diameter of the main, and the branch is 2½” and larger, install a Bonney-Forge weldolet at the branch connection to the main. Where the branch or connection is 2” and smaller, install Bonney-Forge threadolet at the branch connection to the main. Screwed couplings, half couplings or screwed nipples welded to mains for screwed branches will not be permitted.

G. The method of attaching weldolet or threadolet units to the piping shall be in strict accordance with the ANSI Code for Pressure Piping, B31.1.

H. Before start of any welding, remove all corrosion and other foreign material from surface to be welded.

I. Welding shall be performed by either manual shielded metallic arc process or automatic submerged arc process. Use direct current exclusively.

J. Electrodes to be used with manual shielded metallic arc method shall conform to ASTM A-233, Classification E-6010.

K. Size of electrodes, voltages, current, thickness and number of passes or beads shall be in accordance with provisions of previous paragraph.

L. After deposition, clean each layer of weld metal to remove all slag and scale by wire brushing or grinding, then chip where necessary to prepare for proper deposition of next layer.
M. Weld reinforcement shall be not less than 1/16” nor more than ¼” above normal surface of joined sections. Reinforcement shall be crowned at center and shall taper on each side to surface being joined. Exposed surface of weld shall present workmanlike appearance and shall be free of depressions below surface of joined members.

N. No welding of any kind shall be done when temperature of base metal is lower than 0°F. Material to be welded during freezing temperatures shall be made warm and dry before welding is started. Temperature of metal shall be “warm to hand” – or approximately 60°F.

O. All welders engaged in work performed under this Section shall have been qualified in accordance with test requirements of Section IX of the ASME Boiler and Pressure Vessel Code. Each operator shall identify his production welds by marking his regularly assigned identification number or mark within 1” of weld. Contractor shall submit a complete list of individual numbers of identifying marks and operator’s name, and a copy of each operator’s certificate.

3.4 TESTING

A. Pipe Pressure Test

1. Furnish all labor material, instruments, supplies and services and bear all costs for the accomplishment of tests herein specified. Correct all defects appearing under test and repeat the tests until no defects are disclosed; leave the equipment clean and ready for use.

2. Field test all piping before start-up of systems. Tests of piping systems shall be conducted before connections to equipment are made and before piping is covered, buried or otherwise concealed.

3. Perform all tests other than herein specified which may be required by legal authorities or by agencies to whose requirements this work is to conform.

4. Furnish all necessary testing apparatus, make all temporary connections and perform all testing operations required, at no additional cost to the Owner.

5. No work shall be insulated, painted, backfilled or concealed until authorized by Owner’s representative and/or the Engineer’s representative.

6. Inform Owner’s and Engineer’s representatives 48 hours prior to when work is ready for test.

7. Systems found to have leaks shall be subjected to further tests when faulty joints have been repaired or replaced.

8. Contractor shall be responsible for any corrective action required due to a failed pipe pressure test.

9. Prepare steam and steam condensate piping according to ASME B31.9 and as follows:
   a. Leave joints, including welds, uninsulated and exposed for examination during test.
   b. Provide temporary restraints for expansion joints that cannot sustain reactions due to test pressure. If temporary restraints are impractical, isolate expansion joints from testing.
   c. Flush system with clean water. Clean strainers.
   d. Isolate equipment from piping. If a valve is used to isolate equipment, its closure shall be capable of sealing against test pressure without damage to valve. Install blinds in flanged joints to isolate equipment.
e. Install safety valve, set at a pressure no more than one-third higher than test pressure, to protect against damage by expanding liquid or other source of overpressure during test.

10. Perform the following tests on steam and steam condensate piping:

a. Use ambient temperature water as a testing medium unless there is risk of damage due to freezing. Another liquid that is safe for workers and compatible with piping may be used.

b. Subject piping system to hydrostatic test pressure that is not less than 1.5 times the working pressure. Test pressure shall not exceed maximum pressure for any vessel, pump, valve, or other component in system under test. Verify that stress due to pressure at bottom of vertical runs does not exceed 90 percent of specified minimum yield strength.

c. Test pressures shall be increased if necessary to comply with applicable codes or standards.

d. After hydrostatic test pressure has been applied for at least 10 minutes, examine piping, joints, and connections for leakage. Eliminate leaks by tightening, repairing, or replacing components and repeat hydrostatic test until there are no leaks.

11. Pipe Pressure Test Report - Submit documentation of pipe pressure testing and submit test result reports within two weeks of testing.

END OF SECTION
SECTION 23 5239
FIRE TUBE BOILERS

PART 1 - GENERAL

1.1 SECTION INCLUDES
A. Burners
B. Controls and boiler trim
C. Fuel burning system and connection

1.2 REFERENCES
A. American Boiler Manufacturers Association (ABMA)
   1. ABMA – Packaged Fire Tube Ratings
B. American Gas Association (AGA)
   1. AGA – Directory of Certified Appliances and Accessories
C. American National Standards Institute (ANSI)
   1. ANSI Z21.13 – Gas-Fired Low-Pressure Steam and Hot Water Boilers
   2. ANSI Z223.1 – National Fuel Gas Code
D. American Society of Mechanical Engineers (ASME)
   1. ASME CSD-1 – Controls and Safety Devices for Automatically Fired Boilers
   2. ASME SEC1 – Boiler and Pressure Vessels Code - Rules for Construction of
      Power Boilers
   3. ASME SEC4 – Boiler and Pressure Vessels Code - Rules for Construction of
      Heating Boilers
   4. ASME SEC8D – Boilers and Pressure Vessels Code - Rules for Construction of
      Pressure Vessels
E. Factory Mutual (FM)
F. Hydronics Institute (HI)
G. Industrial Risk Insurers (IRI)
H. National Fire Protection Association (NFPA)
   1. NFPA 54 – National Fuel Gas Code
   2. NFPA 70 – National Electrical Code

1.3 SUBMITTALS
A. Preconstruction – Prior to construction provide the following in accordance with
   Specification 20 0500 – Basic Requirements for Mechanical, Plumbing, and Fire
   Suppression:
   1. Product Data: Submit product data for each of the products listed in Part 2
      including:
      a. Burners
      b. Boiler controls
      c. Boiler safety controls
d. Wiring diagrams
e. Certificate indicating products meet or exceed specified requirements

B. Manufacturer’s installation and operating manuals.

C. Contract Closeout – At contract closeout provide the following in accordance with Specification 20 0500 – Basic Requirements for Mechanical, Plumbing, and Fire Suppression:

1. Operating and Maintenance Data including:
   a. Product data
   b. Installation instructions
   c. Assembly drawings
   d. Replacement parts list
   e. Maintenance and operation instructions

2. Test Reports
   a. Manufacturer Installation Inspection Report
   b. Combustion Test Report

3. Warranties

1.4 OPERATION AND MAINTENANCE DATA
A. Include manufacturer’s descriptive literature, operating instructions, cleaning procedures, replacement parts list and maintenance and repair data.

1.5 REGULATORY REQUIREMENTS
B. Conform to NFPA 70 code for internal wiring of factory wired equipment.
C. Conform to ABMA Test and Ratings and bear emblem.
D. Conform to UL requirements and bear label.

1.6 DELIVERY, STORAGE AND HANDLING
A. Store and protect products under provisions of General Conditions and Division 01.
B. Protect burners from damage by leaving shipping packaging in place until final installation.

1.7 WARRANTY
A. Provide five year manufacturer’s warranty under provisions of Division 01.
B. Warranty: Include coverage of burner, burner controls, gas train and associated refractory.

PART 2 - PRODUCTS

2.1 MANUFACTURERS (MODEL)
A. PowerFlame (Model C3-G-25BHTD)
B. Weishaupt (Model WM-G20/2-A ZM)
C. Riello (Model RS-190)
2.2 STEAM BOILER TRIM
A. Provide pressure gauge with syphon tube and cock and ASME rated pressure relief valves.
B. Provide water column with cocks, gauge glass set and blowdown valves for gauge glass and column. EXISTING TO REMAIN.
C. Provide low water cut-off with manual reset integral with water column to automatically prevent burner operation whenever boiler water falls below safe level.
D. Boiler condensate return pump control, integral with water column to automatically maintain water level by controlling pump operation. Provide minimum control range of 2”.
E. Operation pressure controller shall control burner to maintain steam pressure setting.
F. High limit pressure controller to control burner to prevent steam pressure from exceeding safe system pressure.
G. Trim to conform to ASME CSD-1.

2.3 FUEL BURNING SYSTEM
A. General: Forced draft automatic burner integral with front head of boiler designed to burn natural gas. Burner operation modulating with low fire ignition position and minimum 8:1 turn-down. Maintain fuel-air ratios automatically with flue gas temperature minimum 68°F above dew point temperature of flue gases at boiler outlet.
B. Peak Fuel Input: 5250 MBH
C. Gas Burner: Forced draft, high radiant annular entry, premix, power burner with gas-electric ignition and gas pressure regulator.
D. Blower: Statically and dynamically balanced to supply combustion air. Equipment with inlet silencer and outlet air dampers. Direct connected to motor.
E. Combustion Air Control: Combustion air damper and gas metering valve, operated by single damper control motor to regulate fire according to load demand. Regulate operation of damper control motor with potentiometer type positioning controls.
F. Natural Gas Burner Piping: Include on unit complete gas train including pressure reducing valve or valves.
G. Burners and gas train to be UL/FM/CSD-1 approved.
H. Burner to include fused disconnect switch.

2.4 CONTROL PANEL
A. Mount NEMA 1A panel on boiler. Hinged metal cabinet with key lock shall contain programming relay, blower motor starter.
B. Program relay to control ignition, starting and stopping of burner and provide both pre-combustion purge and post combustion purge. Burner to shut down in event of ignition, pilot, or main flame failure. Interlock to shut down burner upon combustion air pressure drop.
C. Manual-automatic selector switch and damper motor positioning switch to permit automatic firing in accordance with load demand, or manual control of firing rate at any desired point between low fire and maximum rating. Lead-lag controller such that one
boiler can be base loaded (lead boiler) and the other boiler(s) cycled on and off line as required to maintain working system temperature.

D. Electronic detector to prevent primary fuel valves from opening until pilot flame is established.

E. Panel to include indicating lights to show operating conditions of low water level, flame failure, fuel valve open and load demand. Mount indicating lights and switches in hinged drop-panel for wiring to access.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install burners, burner controls and gas train in accordance with manufacturer’s instructions.

B. Install in accordance with requirements of local and state boiler codes and applicable provisions of NFPA and ASME boiler code standards.

C. Install boiler trim not installed at factory.

D. Connect water or steam, fuel, blowdown piping and breeching as indicated.

E. Install boiler in accordance with FM.

F. Provide for connection to electrical service. Refer to Division 26.

G. Furnish to Electrical Installer, manufacturer’s wiring diagram and electrical requirements for installation of field-wiring.

H. Provide connection of gas service in accordance with ANSI Z223.1.

I. Pipe relief valves to nearest floor drain.

J. Mount thermometer in boiler breeching within 12” of flue nozzle.

K. Start-up boilers, in accordance with manufacturer’s start-up instructions and in presence of burner manufacturer’s representative. Test controls and demonstrate compliance with requirements. Replace damaged or malfunctioning controls and equipment.

L. Hydrostatically test assembled boiler and piping in accordance with applicable sections of ASME Boiler and Pressure Vessel Code.

M. Clean factory-finished surfaces. Repair any marred or scratched surfaces with manufacturer’s touch-up paint.

3.2 MANUFACTURER’S FIELD SERVICES

A. Prepare and start systems.

B. Provide manufacturer field representative for starting unit.

C. Provide services of manufacturer’s technical representative for one 8-hour day to instruct Owner’s personnel in operation and maintenance of boilers. Schedule training with Owner; provide at least seven days’ notice to Contractor and Engineer of training date.

3.3 TESTING

A. Manufacturer Installation Inspection Report - Provide report prepared by manufacturer’s representative, indicating start-up control settings and stating that systems installed and services provided under this Section are in accordance with manufacturer’s recommendations and are properly operating.
B. Combustion Test

1. Test boiler under actual operating conditions and verify submitted performance including:
   a. Boiler firing rate
   b. Overfire
   c. Draft
   d. Gas flow rate
   e. Heat input
   f. Burner manifold gas pressure
   g. Percent carbon monoxide (CO)
   h. Percent oxygen (OX)
   i. Percent excess air
   j. Flue gas temperature at outlet
   k. Ambient temperature
   l. Net stack temperature
   m. Percent stack loss
   n. Percent combustion efficiency
   o. Heat output

2. Combustion Test Report - Submit documentation of combustion testing and submit test result reports within two weeks of testing.

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**Legend**

**Rg** Region  
**Type** Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers  
**C** Class  
**Base** Base Wage Rate  
**OT M-F** Unless otherwise noted, OT pay is required for any hour greater than 8 worked each day, Mon through Fri. The number listed is the multiple of the base wage.  
**OT Sa** Overtime pay required for every hour worked on Saturdays  
**OT Su** Overtime pay required for every hour worked on Sundays  
**OT Hol** Overtime pay required for every hour worked on Holidays  
**H/W** Health/Welfare benefit  
**Vac** Vacation  
**Trng** Training  
**Other Ins** Employer hourly cost for any other type(s) of insurance provided for benefit of worker.

**Explanations COOK COUNTY**

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

**TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.**

**EXPLANATION OF CLASSES**

**ASBESTOS - GENERAL** - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date. **ASBESTOS - MECHANICAL** - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

**CERAMIC TILE FINISHER**

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all
sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under: Concrete Pacer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derrick; Derrick; Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician;
Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes - Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.


Class 7. Mechanics; Welders.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin
Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Effective November 30, 2018, the description of the traffic safety worker trade in this County is as follows: Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary, non-temporary or permanent lane, pavement or roadway markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST
Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled “Material Tester I” involves the same job duties as the classification entitled “Material Tester/Inspector I”. Likewise, the classification entitled “Material Tester II” involves the same job duties as the classification entitled “Material Tester/Inspector II”.