REQUEST FOR PROPOSAL – PROJECTS $0 to $500,000

1.0 NOTICE TO PROPOSERS

2.0 INSTRUCTIONS TO PROPOSERS

3.0 PROPOSAL

4.0 BID BOND

5.0 GENERAL CONDITIONS OF THE AGREEMENT

6.0 PROJECT SCOPE

PROJECT: Kern Community College District
Cerro Coso Community College
Physical Education Gym Renovation
Re-roof
3000 College Height Blvd.
Ridgecrest CA 93555
CCC PE GYM RENOVATION REROOF
Kern Community College District

1.0 NOTICE TO PROPOSERS
Request for Proposal

DATE: June 15, 2020

TO: Qualified Proposers

FROM: Cerro Coso Community College
3000 College Heights Blvd
Ridgecrest CA 9355

PROJECT: Physical Education Gym Renovation Reroof
Cerro Coso Community College
Kern Community College District

PROJECT DESCRIPTION: This project will include but not limited repairing existing roof with owner supplied materials, installing new pre finished coping cap.

PROPOSAL DATE/TIME: July 9, 11:00 pm Face Mask must be worn

PROPOSAL LOCATION: Kern Community College District

BID SECURITY BOND: Required 10% Bid Bond if proposal is $45,000 or over.

PERFORMANCE AND PAYMENT BOND: Required if proposal is $25,000 or over.

PREVAILING WAGE PROJECT: Yes

CONTRACT DOCUMENTS AND SPECIFICATIONS MAY BE OBTAINED AT ADDRESS BELOW:
KCCD Web Page, Bid Rooms, via email
CONTACT PERSON: Daniel W Reed  
Construction Project Manager  
661-616-8048  
Email: dareed@kccd.edu

Cody Pauxtis  
(805) 236-4759  
E-mail: cody.pauxtis@cerrocoso.edu

MANDATORY SITE VISIT: June 23, 2020 10:00 am FACE MASK ARE MANDATORY

2.0 INSTRUCTIONS TO PROPOSER

PART 1 - GENERAL

A. SECURING DOCUMENTS:

1. Contractors obtaining these plans and project manual for the purpose of submitting proposals for this work shall notify the District of their intentions, together with mailing address and telephone number, so they may be fully advised of any addenda to the construction documents being figured, or of any corrections, additions or omissions. Failure to so notify the District will make the contractor liable for the inclusion of all information according to the addenda in this contract, whether received or not.

2. Construction documents will not be issued to contractors who are not licensed to do business in the State of California, and the District will not consider or accept any proposal or proposals from such contractors.

3. Proposers shall have a generally recognized record for satisfactory execution of contracts of a similar size and character.

B. EXAMINATION OF PROPOSAL DOCUMENTS:

1. Each proposer shall examine the proposal documents carefully prior to date for receipt for proposals, shall make written request for interpretation and/or correction of any ambiguity, inconsistency or error therein which he may discover. Any interpretation and/or correction will be issued as an Addendum. Only a written interpretation and/or correction by Addenda shall be binding. No proposer shall rely upon any interpretation and/or correction given by any other method.

2. By submitting a proposal, the proposer implies that he has thoroughly investigated and is satisfied as to the character quality and quantities of work to be performed and materials to be furnished, and as to all the stipulations and requirements of the Contract and construction documents.

3. The Proposer shall diligently investigate existing conditions to ascertain work required and include all necessary cutting and patching and refinishing in his proposal. He shall provide for and exercise every precaution to protect the existing facilities against dust, dirt, water, trash, interruption of personnel activities, etc., due to operations under this Contract.

4. The District will not be responsible for any omissions, errors, etc., which may result from the Contractor’s procurement of incomplete documents. It shall be the Contractor's responsibility to review and ascertain all of the required work, materials, etc., to be provided by him in performing all work as required and/or called for by the Contract Documents.

C. INTERPRETATION OF DOCUMENTS:
Should a proposer find discrepancies in, and/or omissions from the drawings and specifications, and/or should he be in doubt as to their meaning, he shall at once notify the District and should it be found necessary, a written addendum or clarification will be sent to all Proposers. The District will not be responsible for oral instructions.

1. Questions during proposals shall be submitted in writing to District’s designated office. Fax copies will be accepted.
2. No questions will be answered two (2) working days prior to proposal opening.
3. E-mail questions will be accepted.

D. PROPOSALS:
Proposals to receive consideration shall be made in accordance with the following instructions:

1. Proposals shall be made upon the proposal forms, properly executed and with all items filled out; numbers shall be stated both in writing and in figures. The complete proposal form shall be without alterations to content, form, and scope project; and the signatures of all persons signing shall be in longhand and original wet signatures.
2. Alternate proposals will not be considered unless called for. No oral, telegraphic or telephonic proposals or modifications will be considered.
3. Before submitting proposals for this work, including RFP’s, each proposer will be held to have examined the project premises and satisfied himself as to the existing conditions under which he will be obliged to operate, and that no changes will be made subsequently in this connection or in behalf of the Contractor for any error or negligence on his part, and he shall include in the proposal a sum to cover the cost of all items included in the contract and/or subsequent RFP’s. No additional cost will be considered for price increases of any materials, labors, methods and/or procedures. The Contractor shall make allowances for any and all price changes occurring during this project from proposal through final completion and project acceptance by District.
4. Proposals will be delivered to the District at locations and time noted on “Bid Proposal” on or before the day and hour set for the opening of proposals. Proposal forms shall be enclosed in an envelope, and bear the title of work and the name of the proposer. It is the sole responsibility of the proposer to see that his proposal is received in proper time and location. Any proposal received after the schedule closing time for receipt of proposals will be returned to the proposer unopened.
5. Each proposer shall include with Proposal a Non-Collusion Affidavit, Prevailing Wage Compliance Certificate, required bond documents, and Certification of Workmen's Compensation to be executed by proposer and submitted with proposal. Form is included in “Bid Proposal” section. Form shall be fully executed and included with Proposal.
6. General Information:
   a. The District reserves the right to reject any or all proposals and/or waive any irregularities or informalities in any proposals and/or in the proposals process.
   b. The District has determined the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute this Contract. These rates are available on the Internet at the following address: www.dir.ca.gov/DLSR/statistics_research.html. Copies may be downloaded by the Contractor.
   c. The schedule of per diem wages is based upon a working day of eight hours. The rate for holiday and overtime work shall be at least time and one half.
   d. It shall be mandatory upon the Contractor to whom the Contract is awarded (Contractor), and upon any subcontractor under him, to pay not less than the specified rates to all workers employed by them in the execution of the Contract. It is Contractor's responsibility to determine any rate change which may have or will occur during the intervening period between each issuance of written rates by the Director of Industrial Relations.
   e. If awarded, proposal will be awarded to the lowest qualified proposal.
E. WITHDRAWAL OF PROPOSAL:
Proposals may be withdrawn by the Proposer prior to, but not later than, the time fixed for opening of proposals.

F. CORPORATION AS PROPOSER:
In case a proposal is submitted by a corporation, it shall be signed in the name of such corporation by a duly authorized officer or agent thereof.

G. SALES TAXES:
Sales taxes and any or all taxes and any other City, County, State, or Federal, except property taxes shall be included in the proposal. All proposals shall include all license fees, permit fees, and other fees to complete this project. See herein for permits, inspections, and assessments required for this project.

H. ADHERENCE:
No proposal will be considered that does not strictly adhere to all requirements of these instructions to Proposers.

I. PROPOSALS TO BE ACCEPTED BY DISTRICT:
The successful contractor shall be determined by the lowest total aggregate proposal of any or all proposals accepted by the District. The District reserves the right to select the proposals and/or aggregate of proposals it deems advantageous to the District.

J. AWARD OR REJECTION OF PROPOSALS:
The contract shall be awarded to the responsible proposer complying with these instructions. The District reserves the right to reject any and all proposals and to waive any informality or irregularity in proposals received. The award, if made, will be made within sixty (60) calendar days after the opening of the proposals.

K. EXAMINATION OF SITE:
The Proposer shall carefully examine the site of the contemplated work prior to submitting a proposal and shall have satisfied himself as to the existing conditions and the conditions under which he will be obligated to operate, and/or that will in any manner affect the work under the contract. No allowance will be made subsequently in this connection for items that could be reasonably be inferred to be required to complete project scope from a careful examination of site of the contemplated work.

L. ADDENDA AND BULLETINS:
Any addenda or bulletin items issued during the time of proposals shall be an integral part of the Contract Documents used by the Proposer for the preparation of his proposal, all items of addenda and/or bulletins shall be included in the Proposal and shall be made part of the Contract. Delivery of any Addenda or Bulletin in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, delivery by mail to the last known business address of the Contractor, or fax transmittal with telephone confirmation of complete receipt and or email will be considered to be proper service of said documents.

M. PERMITS, INSPECTIONS AND ASSESSMENTS, ETC.:
No building permits required for this project.
List of fees/assessments:
1. None.

N. FORMAL PROTEST OF PROPOSAL:
Any proposer submitting a proposal to the District or a third party may file a protest against District awarding contract on this project provided that protestor meet all of the following requirements:
1. Protest shall be submitted in writing and received on or before 72 hours after proposal opening time. Protest received after that shall not be recognized.

2. Protest of any proposals shall be filed and received by the Chief Financial Officer, Tom Burke, of the District by certified mail or by personal delivery during normal working hours, for administrative appeal.

3. Protest Submittal shall contain the following:
   a. The written proposal protest sets forth, in detail, all grounds for the proposal protest, including without limitation all facts, supporting documentation, legal authorities and argument in support of the grounds for the proposal protest; any matters not set forth in written proposal protest shall be deemed waived. All factual contentions must be supported by competent, admissible and creditable evidence.
   b. Name, address, phone number of person(s), company and/or organization that is making protest and name of project protest is for.

4. Any proposal protest not conforming to the foregoing shall be rejected by the Owner as invalid. Provided that a proposal protest is filed in conformity with the foregoing, the Owner's Chief Financial Officer or such individual(s) as may be designated by the Chief Financial Officer, in his discretion, shall review and evaluate the basis of the proposal protest, and shall provide a written decision to the proposer submitting the proposal protest concurring with or denying the proposal protest. The written decision of the Chief Financial Officer shall be considered an administration appeal.

5. The protest decision by the Chief Financial Officer may be appealed to the Board of Trustees as a judicial appeal. This request must be filed with the Chief Financial Officer within 72 hours of receipt of the written decision of the Chief Financial Officer. Said appeal shall be accompanied with reason for appeal. The judicial appeal will be calendared within 31 days or less of receipt. The final decision of the Board of Trustees is not subject to arbitration, mediation or reconsideration/appeal.

O. STARTING WORK:
   All documents shall be submitted and approved prior to starting work. Failure to provide complete information prior to days indicated shall be considered non-responsive, bid bond will be forfeited, and Contractor shall be declared in default.
   1. All insurance certificates - 10 days- Following award
   2. Proof of Contractor's/Subcontractor's license - 10 days - Following award
   3. Start work 5 days from notice to proceed and/or purchase order

PART 2 - PERFORMANCE OF WORK UNDER CONTRACT
A. SUPERVISION:
   The General Contractor and all subcontractors engaged by general contractor will be required to designate one responsible on-site person with authority to receive directions and issue instructions for the orderly prosecution of the work.

B. BUILDING CODE REQUIREMENTS:
   1. All work performed under this Contract shall conform to the applicable portions and editions of the following current codes:
      c. California Occupational Safety and Health Act (CAL/OSHA).
      d. Rules and regulations of the State and Local Fire Marshals.
      e. Safety Orders of the Industrial Accident Commission, State of California.
      g. Uniform Plumbing Code.
      h. All laws governing the employment of labor, posting of minimum wage rates, and accident prevention.
i. American Disability Act, Federal law.

2. Requirements of enforcing authorities may supersede requirements of the above laws and regulations, and nothing in the Contract Documents shall be construed to permit work not conforming to applicable codes.

3. All of the above laws and regulations are as much a part of this contract as if they were incorporated in their entirety herein.

C. BID AND PAYMENT BOND:
General Contractor shall take out and maintain Bid and Labor/Payment bonds as indicated herein. The Bond requirement will vary based on the project proposal. The following criteria will determine Bond Requirements.

1. Bid Bond. Proposals shall be accompanied with a Bid security 10% of project amount for all contracts $45,000 or more.

2. Payment and Performance Bond. 100% of contract amount for all contracts $25,000 or more.

D. INSURANCE REQUIREMENTS:

1. Evidence of Insurance: Before the work is started, the Contractor shall forward to the District Certificates of Insurance and all the Contractual Liability coverage called for in the Contract Documents is in force, and specifically covers this particular Contract with the Owner, including the hold harmless requirements. In addition, the Certificates shall contain the following:
   1) "No cancellation of this policy or endorsement of same shall be effective until; until the thirtieth (30th) day following the receipt of notice of such cancellation of the policy or endorsements by the Owner."
   2) Certificates of Insurance shall contain transcripts from the policies authenticated by the proper office of the Insurer, evidencing in particular those insured, the extent of the insurance, the location of and the operations to which the insurance applies, the expiration date and the thirty (30) day NOTICE OF CANCELLATION CLAUSE.
   3) Acceptance of the Certificates of Insurance shall not relieve or decrease the liability of the Contractor.
   4) In the absence of contrary written instructions from the District, the Contractor at the Contractor's expense, shall obtain and maintain insurance at all times during the prosecution of the Contract, in companies and through agencies approved by the District, and with limits not less than those stated hereinafter.
   5) The Contractor shall not commence work under this Contract until he has obtained and paid for all insurance required herein and such insurance has been approved by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his Subcontract until such insurance required of the Subcontractor has been so obtained and approved.

2. Provide the following items with evidence of insurance for all insurance policies for this project: The insurance required must be written by a Best Key Rating Guide "A" or better rated carrier admitted to write insurance in the state where the work is located at the time the policy is issued.

3. Indemnification
   a. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the District and the Consultants and their employees from and against all claims, damages, losses and expenses, including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss of expense is attributable to bodily injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting there from but only to the extent caused in whole or in part by any negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of
them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

b. In any and all claims against the District or the Consultants, or any of their employees by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this Paragraph shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or by any Subcontractor under workers compensation acts, disability benefit acts or other employee benefit acts.

c. The obligations of the Contractor under this Paragraph shall not extend to the liability of the consultants or any of their agents or employees arising out of 1) The preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications, or, 2) the giving of or the failure to give directions or instructions by the consultants or any of their agents or employees, provided such giving or failure to give is the primary cause of the injury or damage.

d. The Contractor to name the District, the consultants, its agents and employees as additional insured on the Contractor's policy or policies of comprehensive general liability insurance. Such insurance shall include products and completed operations and contractual liability coverages, shall be primary and non-contributing with any insurance maintained by consultants, or its agents and employees, and shall provide that the Consultant be given thirty days, unqualified written notice prior to any cancellation thereof.

4. Worker's Compensation Insurance
Contractor shall provide, during the term of this Contract, Worker's Compensation Insurance for all of his employees engaged in Work under this Contract, on or at the site of the project, and in case any of his work is sublet, Contractor shall require the Subcontractor to provide Worker's Compensation Insurance for all of his employees. Any class of employee or employees not covered by a Subcontractor's insurance shall be covered by the Contractor's insurance. In case any class of employees engaged in work under this Contract, on or at the site of the project, is not protected under the Worker's Compensation laws, Contractor shall provide or cause a Subcontractor to provide, adequate insurance coverage for the protection of those employees not otherwise protected. Contractor shall file, with the Owner, certificates of insurance.

a) The Worker's Compensation Insurance shall be written by a company California admitted in the State of California, and shall be written for not less than the following, as established by the Owner, or greater if required by law.

b) Provide employer's liability endorsements:
   1) State workers' compensation statutory benefits - policy limits of not less than $1,000,000.00.
   2) Employer's Liability - policy limits of not less than $1,000,000.00.

5. Comprehensive General Liability Insurance
Commercial General Liability Insurance in Contractor's name, with personal injury limits indicated herein for combined Single Limit per occurrence coverage and annual aggregate. The policy is to be on a Comprehensive General Liability form and must include Contractual Liability endorsed to specifically cover an Indemnity Agreement contained in the Contract. The Comprehensive General Liability coverage may be provided on an "occurrence" form or a "claims made" basis. If the coverage is on a "claims made" basis, the policy shall provide for a non-cancelable 5 year extended reporting period.

a) The Contractor shall carry such public liability and property damage insurance that will protect the Contractor, Owner, Architect and Engineers from claims for damages for bodily injury, including accidental death, as well as for claims for property damages, which may arise from operations under the contract whether such operations be by the Contractor or by any Subcontractor or anyone directly or indirectly employed by either party. The limits of coverage shall be as stated herein.

b) In the event that any suits, actions, or claims are brought against the Owner,
Architect, and/or Architect’s Consultants, money equal to the "claim amount may be
withheld from payments due the Contractor under and by virtue of this contract as
may be considered necessary by the Owner for such purpose. Money due the
Contractor will not be withheld when the Contractor produces satisfactory evidence
that adequate public liability and property damage insurance has been obtained.

c) The policy shall include coverage for the following:
   1) Premises - operations
   2) Contractual liability
   3) Products
   4) Completed operations
   5) Broad form PD and including X, C and U coverage
   6) Personal injury
   7) Owners, contractors protective

6. Automobile Liability Insurance: Automobile Liability Insurance with an Employer's Non-
Ownership Liability Endorsement in the Contractor's name. Limits of liability shall not be
less than amount indicated herein for Combined Single Limit per occurrence. Provide
CSL, BI and PD coverage for owned, non-owned and hired autos.
   a) Provide owned, non-owned and hired automobile insurance endorsement.

7. Insurance Schedule
   a) Worker’s Compensation Insurance per State of California policy limits of not less
      than $1,000,000.00.
      1) Employer's Liability Endorsement $1,000,000 min.
   b) Comprehensive General Liability:
      1) Combined single limits for bodily injury and property damage:
         $1,000,000 - Each Occurrence
         $1,000,000 - Annual Aggregate
      2) Personal Injury, with Employment Exclusion deleted.
      3) Include coverage of the following:
         i) Premises - operations
         ii) Contractual liability
         iii) Products
         iv) Completed operations
         v) Broad form PD and including X, C and U coverage
         vi) Personal injury
         vii) Owners, contractors protective

E. ASBESTOS-CONTAINING PRODUCTS:
   1. Contractor agrees that asbestos-containing products or materials will not be used or
      substituted in performing work under the Agreement.
   2. At the completion of work under this Agreement, Contractor will certify in writing to the
      Owner that, to the best of Contractor's knowledge, no asbestos-containing products or
      materials were used or substituted in performing work under the Agreement.

F. PCB-CONTAINING PRODUCTS & LEAD PLUMBING ITEMS:
   1. Contractor agrees that lead plumbing domestic water items, asbestos, PCB, -containing
      products or materials will not be used or substituted in performing work under the
      Agreement.
   2. At the completion of work under this Agreement, Contractor will certify in writing to the
      Owner that, to the best of Contractor's knowledge, no lead plumbing domestic water items,
      asbestos/PCB-containing products or materials were used or substituted in performing work
      under the Agreement.

G. PREVAILING WAGE RATES AND APPRENTICESHIP REQUIREMENTS – All proposals that
   exceed $1,000 shall be prevailing wage.
   1. Wages and Employer Payments:
a) The general prevailing wage rates and employer payments for Health and Welfare, Pension, Vacation and similar purposes in the county in which the work is to be done shall be in accordance with the Labor Code of the State of California, Section 1770, et seq.

b) Copies of all collective bargaining agreements relating to the work as set forth in the aforementioned Labor Code are on file and are available for inspection in the Office of the Division of Labor Statistics and Research of the Department of Industrial Relations.

c) Employer payments as defined in Section 1773.1 of the Labor Code are to be paid in accordance with the terms of the collective bargaining agreement applicable to the type of classification of the workmen employed on the project and shall be the prevailing wage rate of the county in which the work is to be performed. Overtime shall be paid for the hours worked in excess of the working day and for time worked on Saturdays, Sundays and the seven (7) holidays which are to-wit:

The Contractor and any subcontractor under him shall comply with the requirements of Sections 1773.3, 1777.5, 1776 and 1777.6 in the employment of apprentices.

1) The predetermined (double asterisk) changes are no longer a part of the general prevailing rates of per diem wages. The rates at the time of the proposal advertisement date of a project will remain in effect for the life of project.

2) The definition of prevailing rate states that when there is no single rate paid to a majority of workers, then the prevailing rate is a weighted average.

d) Not less than the general prevailing wage rate for each classification of work State or Federal which is higher shall be paid by the general contractor and all subcontractors under him shall be paid to all laborers, worker and mechanics employed in the execution of such contract or subcontract there under, including rates for overtime and general holidays in the locality in which the work is to be performed.

e) The Contractor and all subcontractors under him shall make travel and subsistence payments to each workman needed to execute all the work as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with Section 1773.8 of the Labor Code.

2. Eight Hour Day: Contractor shall not permit any person employed by him to work overtime other than pursuant to express provisions of Section 1810 of the California Labor Code.

3. Records of Hours Worked and Citizenship: The Contractor shall maintain records of the hours worked by his employees and their citizenship and they shall be open at all times for inspection by the County, Client and/or the Division of Labor Statistics and Law Enforcement, in accordance with Sections 1814 and 1552 of the California Labor Code.

a) The General Contractor shall maintain all certified payroll documents at their office. Copies shall be provided to anyone who provides a request and Owner approves that request. Contractor shall provide copies within ten (10) days of approved request. Contractor shall provide copies, shipping cost, and all other related cost to provide this information at no cost to Owner. Contractor shall maintain certified payroll documents for seven (7) years after Notice of Completion.

4. Penalties: The Contractor shall forfeit as a penalty to said Owner, Fifty Dollars ($50.00) for each laborer, workman or mechanic paid less than the above stipulated rates for any work under this Contract by him or any Subcontractor under him.

5. Enforcement and Verification off Requirements:

a) The records by the Contractor may be checked periodically by an independent enforcement agency to verify compliance with the labor codes and related items.

b) Jobsite interviews may be conducted periodically throughout the duration of the
project. The Contractor shall allow access to the project and access to workers
during working hours to confirm prevailing wage rates and apprenticeship
requirements are followed.

c) Prior to executing the agreement the Contractor shall provide verification of
enrollment in an apprenticeship program per Sections 1773.3, 1777.5, 1776 and
1777.6 within the last 12 months.

6. Miscellaneous: Request for exemption from prevailing wage requirements shall be made
prior to proposals in time for the Architect to issue an addendum to communicate
information to proposers. Request for exemption will not be accepted after above
mentioned date.

H. Contractor License And DIR Registration Required.

To perform the work required for this project, Bidder must possess the
type of contractor’s license specified in the Notice to Contractors Calling for Bids, and
must be registered with the Department of Industrial Relations (DIR) as a public works
contractor. Contractor registration can be accomplished through the portal
https://efiling.dir.ca.gov/PWCR/. No CONTRACTOR or subcontractor shall be
qualified to bid on, be listed in a bid proposal, subject to the requirements of § 4104 of
the Public Contract Code, for a public works project (submitted on or after March 1,
2015) unless currently registered with the DIR and qualified to perform public work
pursuant to Labor Code § 1725.5. No CONTRACTOR or subcontractor may be
awarded a contract for public work on a public works project (awarded after April 1,
2015) unless registered with the DIR.

I. AWARD
District shall issue a purchase order, which shall be the notice to proceed. This will be issued only
after receipt of required documents.

J. PRELIMINARY NOTICE:
Preliminary Notices must be filed with the Owner with a copy mailed to both the Consultants and the
Contractor.
3.0 PROPOSAL
SUBMIT WITH BID

Proposals will be received at the Kern Community College District Weill Institute, 2100 Chester Ave
Facilities Bakersfield CA 93301 up to 11:00 am on July 9, 2020 Face Mask are Mandatory at bid

Submitted to:
Kern Community College District
Bakersfield, California

Submitted by:

Name of Firm

Having carefully examined the Proposal and Contract Documents and General Requirements, as well as the
premises and the conditions affecting the work, including Addenda (a) No (s) _________________, inclusive,
the Undersigned proposes to furnish all material and labor called for by all documents for the "entire work", in
accordance with said documents for the sum of:

Owner Allowance $15,000.00

Total Bid Amount

$ __________________________________________

The undersigned understands that the time required to complete the work is the essence of the Contract and
agrees to commence the work within ten (10) calendar days of the Contract date. The undersigned further
agrees that this proposal may not be withdrawn for a period of sixty (60) days after the date set for the
opening thereof unless otherwise required by law.

The undersigned agrees, if awarded the Contract, to complete all work by Schedule of work should be Aug
31, 2020 though October 2, 2020

The undersigned has checked carefully all the above figures and understands that the District will not be
responsible for any errors or omissions on the part of the undersigned in making up this proposal.

The undersigned hereby certifies that this proposal is genuine and not sham or collusive or made in the
interest or in behalf of any person not herein named, and that the undersigned has not directly or indirectly
induced or solicited any other proposer to refrain from submitting a proposal, and that the undersigned has
not in any manner sought by collusion to secure for himself any advantage over any other proposer.

PREVAILING WAGE COMPLIANCE CERTIFICATION:

In submitting this proposal, I hereby certify that I will conform to the State of California Public Works Contract
Requirements regarding wages; benefits; on-site audits within 48-hour notice; payroll records; and, apprentice
and trainee employment requirements.

CONTRACTOR’S CERTIFICATE REGARDING WORKER’S COMPENSATION:

Submit with bid

Labor Code Section 3700 provides:
"Every employer except the State and all political subdivision or institutions thereof, shall secure the payment of compensation in one or more of the following ways:

"(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.

"(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees."

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with those provisions before commencing the performance of the work of this contract.

CONTRACTOR:

________________________________________  __________________________  __________
By (type or print) Title Dated

(In accordance with Article 5 [commencing at Section 1860], Chapter 1, Part 7, Division 2 of the Labor Code, this certificate must be signed and filed with the awarding body prior to performing any work under this contract.)
NON-COLLUSION AFFIDAVIT:  
SUBMIT WITH BID

State of California )
     ss.
County of _____________________ )

_____________________, being duly sworn, deposes and says:

That he or she is the _________________________________________________________(position)
of ______________________________________________________________________(name of proposer), the party making the proposal; that the proposal is not made in the interest of, or on behalf of any undisclosed person, partnership, company, association, organization or corporation; that the proposal is genuine and not collusive or sham; that the proposer has not directly or indirectly induced or solicited any other proposer to put in a false or sham proposal, and has not directly or indirectly colluded, conspired, connived, or agreed with any proposer or anyone else to put in a sham proposal, or that anyone shall refrain from submitting a proposal; that the proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price of the proposer or any other proposer, or to fix any overhead, profit, or cost element of the proposal price, or of that of any other proposer, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the proposal are true; and, further, that the proposer has not, directly or indirectly, submitted his or her proposal price or any price breakdown, or their contents, or divulged relative information or data, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, proposal depository, or to any member or agent thereof to effectuate a collusive or sham proposal.

_______________________________________  
(Firm Name)

_______________________________________  
(Printed Name - Authorized Agent)

_______________________________________  
(Signature - Authorized Agent)

Subscribed and sworn to before me on ____________________________, 20 ______.

_______________________________________  
Notary Public

NOTARY SEAL
### SUBCONTRACTOR LIST:

**SUBMIT WITH BID**

Pursuant to the Provisions of the Public Contracts Code Sections 4100 to 4107 inclusive, every proposer shall set forth the name and location of the place of business of each subcontractor who will perform work or labor in or about the construction of the work or improvement in an amount in excess of one-half of one percent (1/2 of 1%) of the Proposers total proposal. If a Contractor is not listed and the work is more than one-half of one percent (1/2 of 1%) of the Proposers total proposal, he agrees to perform that portion himself. The following is the list of subcontractors:

<table>
<thead>
<tr>
<th>PORTION OF WORK</th>
<th>SUBCONTRACTOR</th>
<th>LOCATION OF BUSINESS</th>
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I declare, under penalty of perjury, that information provided and representations made in this proposal are true and correct and that this declaration was executed on ________________, at ________________,

(date) (city)

______________, California.

(county)

Respectfully submitted,

_______________________________________
Name of Firm

_______________________________________
Individual, Partnership, Corp.

_______________________________________
By_____________________________________

_______________________________________
Phone(_______) __________________________

_______________________________________
Fax(_______) ____________________________

_______________________________________
License Type & Number/Exp. date

[Signature]

REQUEST FOR PROPOSAL Page 15 of 23
No proposal is valid unless signed by the person making the proposal.

** State whether your firm is a corporation, a co-partnership, private individual, or individuals, doing business under a firm name. If the proposer is a partnership, the proposal should be signed with the partnership name and by one of the authorized partners. If the proposer is a corporation, it should be signed by a person authorized to execute proposals on behalf of the corporation.

***

**4.0 BID BOND**

SUBMIT WITH BID

Be advised that we, _______________________________________________________________
as Principal (“Principal”) and _____________________________________________________________________________________
a corporation duly licensed to transact business under the laws of the State of California as Surety (“Surety”)are firmly bound to Kern Community College District as Obligee (“Obligee”) in the sum

of $_______________________________________________ for the payment of which the Principal and
the Surety bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally,
by this Bond.

The Principal has submitted a proposal for _____________________________________________
(list project on Proposal)

The condition of our obligation is this: if the Principal is awarded the contract upon its proposal, and
shall, within the required number of days after the notice of award, execute a contract with the Obligee in
accordance with the contract documents, submit the required payment and performance bonds, and provide
all other required documents, then this obligation shall be null and void; but in the event that the Principal fails
and/or refuses to execute and deliver those documents, this bond will be charged with the costs of the
damages experienced by the Obligee as a result of that refusal, including but not limited to, publication costs,
the difference in money between the amount of the bid of the Principal and the amount for which the Obligee
may legally contract with another party to perform the work if the amount is in excess of the former; building
lease or rental costs, transportation costs, professional service costs, and additional salary costs that result
from the delay due to the Principal’s default on the awarded contract. In no event, however, shall the Surety’s
liability exceed the penal sum indicated above.

The Surety, for value received, stipulates and agrees that its obligations and its bond shall not be
impaired or affected by an extension of the time within which the Obligee may accept such bid; and Surety
waives notice of any time extension.

Dated: PRINCIPAL
By: ____________________________________
Title: ___________________________________

Dated: SURETY
By: ____________________________________
Title: ___________________________________
KERN COMMUNITY COLLEGE DISTRICT - Projects $0 to $500,000
NOTICE OF AWARD AND REQUEST FOR SUBMITTAL OF REQUIRED DOCUMENTS

This notice shall confirm your notification of award. The below items are required to be submitted prior to Notice to Proceed being issued. Per Contract Documents, you have 10 days from this notice of award to provide the following:

<table>
<thead>
<tr>
<th>REQUIRED DOCUMENTS:</th>
<th>DATE</th>
<th>Projects $0 to $14,999</th>
<th>Projects $15,000 to $175,000</th>
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</thead>
<tbody>
<tr>
<td>1 Bid Bond for 10% of the Contract Amount</td>
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<tr>
<td>2 Payment bond for 100% of the contract amount</td>
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<tr>
<td>(required only projects $25,000 to $175,000)</td>
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<tr>
<td>a. Bond document California Admitted proof</td>
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<tr>
<td>b. Bond document US Treasury listing proof</td>
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<tr>
<td>c. Bond document power of attorney and proof able to sign documents</td>
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<tr>
<td>d. Bond document proof of ability to bond within their capacity-(memo)</td>
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<tr>
<td>e. Bond proof/valid &amp; issued from underwriter-(add to memo #6)</td>
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<td>*</td>
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<tr>
<td>3 Workers compensation &amp; employers liable endorsement</td>
<td>*</td>
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<tr>
<td>4 Comprehensive General Liability Insurance $1,000,000 aggregate</td>
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<td>X</td>
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<tr>
<td>5 Proof of License-copy front and back of pocket license</td>
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<tr>
<td>6 Comprehensive automobile liability - $1,000,000</td>
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<td>X</td>
<td>X</td>
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<tr>
<td>7 Executed proposal original signature by contractor</td>
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<td>8 Other items and notes for complete package:</td>
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<td>cc: Contractor, District, File</td>
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</table>

For official use only:

| Bonding Company: |                                   |
| AM Best Number:  |                                   |
| Location:        |                                   |
| Documents from:  |                                   |
| AM Best rating:  |                                   |
| US Treasury Listed |                               |
5.0 GENERAL CONDITIONS OF AGREEMENT

1) The college will issue a Purchase Order for all work included in this Request for Proposal based on the Contractor’s proposal to do certain work for the said Owner, specified and described in certain drawings and specifications, and entitled on the Bid Proposal, in strict accordance with drawings and specifications prepared and attached to RFP.

2) Whereas, the Contractor, before signing the enclosed proposal, has carefully read and examined in connection herewith said proposal and specifications and has carefully examined the site where said work is to be done, and has investigated the character of such work and the materials required to be furnished, and by reason of such reading, examination and investigation, the said Contractor agrees that he thoroughly understands the intent and meaning of this proposal and all component parts of said proposal and the requirements, covenants, stipulations and restrictions thereof.

3) In consideration of the promises and of the payments hereinafter to be made by the Owner to and on account of said Contractor, and the understanding of said Contractor to do said work the College and Contractor agree that:
   a) This Contractor shall receive and accept the sum on proposal herein submitted, as full compensation for furnishing all materials and doing all the work contemplated and embraced in this Contract, and for furnishing all necessary tools, machinery, implements, apparatus and other means of construction; also all loss or damage arising out of the nature of the work to be done under said specifications, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered during the progress of said work, and before the acceptance thereof by said Owner, and shall be responsible for the consequences of his own negligence or carelessness or discontinuance of the work, and for well and faithfully completing the work in the manner and according to the drawings and specifications and all requirements of the College and any and all parties having jurisdiction there over, for the whole thereof, the following sum which represents the Contract Price.
   b) Payments; The Owner agrees, in consideration of the performance of this Contract, to pay the Contractor in the following manner:
      i) Payments will be made only on the certificate of the Owners field representative.
      ii) Monthly payments shall be made to the Contractor in amounts equal to ninety percent (90%) of the estimated value of the work done and the materials furnished and incorporated in the work during the month preceding the date upon which such value is estimated plus ninety percent (90%) of the estimated value of all materials which, on the date of estimation of value, are suitably stored on the site for incorporation into the work; provided that no such monthly payment, or payment of any kind, shall theretofore have been made for any such work done or materials furnished and incorporated or materials suitably stored on the site. The aforesaid estimation of value shall be made by the Owners Representative and noted by him upon the certificates furnished by him pursuant to paragraphs herein.
      iii) Upon substantial completion of the work, a sum sufficient to increase the total payments to ninety percent (90%) of the Contract Price, less an amount determined by Owner to be adequate to complete any unfurnished part of the work by another Contractor should the work not be completed within a reasonable time established by the Owner.
iv) The final payment shall be made thirty-five (35) days after receipt of the recorded Notice of Completion date, provided that: The Contractor shall furnish satisfactory evidence that all claims for labor and materials have been paid and that no claims shall have been presented to the Owner by any person or persons based upon any act or omission of the Contractor, and no Stop Notices have been filed against said work or the property whereon it was done. (1) No certificates given or payments made on account of any Contract shall constitute an acceptance of any equipment, material or work which may subsequently be found to be defective.

c) Time of Completion. The Contractor agrees to commence the work within five (5) calendar days from the date of the notice to proceed and/or purchase order. Failure to obtain approval of the required documents, within the allotted time, shall not be cause for extension of the time of construction as set forth hereafter.
   i) The Contractor further agrees to construct and execute all of the work described in said drawings, specifications, proposals, addenda and any and all other requirements, covenants, stipulations and restrictions, within 16 calendar days from and after the date of commencement, said date of commencement being agreed upon as the fifth (5th) calendar day following the date of the notice to proceed and/or purchase order. Owner shall issue actual start date to Contractor.
   ii) Both parties agree that the aforementioned stipulated contract period to be a reasonable time scale for completion of the work and Contractor will provide best endeavors to complete the work within the contract period.
   iii) If the Contractor shall neglect, fail or refuse to complete the work within the time herein specified, then the contractor does hereby agree, as a part consideration for awarding of this Contract to pay to the Owner the sum of:

   One Hundred Dollars - No Cents

   per day plus such additional costs as may be incurred by the College because of such delays, not as a penalty but as liquidated damages for such breach of Contract as hereinafter set forth for each and every day that the Contractor shall be in default after the time stipulated in the Contract for completing the work.

   iv) The said amount is fixed and agreed upon by and between the Contractor and the Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain, and said amount is agreed to be the amount of damages which the Owner would sustain and said amounts shall be retained from time to time by the Owner from the current periodical estimates.

   v) It is further agreed that time is the essence of each and every portion of this Contract and of the specifications wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the Contract an additional time is allowed for the completion of any work, the new time limit fixed by such extension shall be of the essence of this Contract. Provided, that the Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due.

   (1) To any preference, priority or allocation order duly issued by the Government.

   (2) To unforeseeable cause beyond the control and without the fault or negligence of the Contractor, including but not restricted to acts of God, or of the public enemy, acts of the Owner, acts of another Contractor in the performance of the Contract with the Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather, and

   (3) To any delays of subcontractors occasioned by any of the causes specified in subsections (1) and (2) of herein. Provided, further, that the Contractor shall, within seven (7) days from the beginning of such delay, notify the Owner, in writing, of the causes of delay, who shall ascertain the facts and extent of the delay and notify the Contractor within a reasonable time of its decision in the matter.

d) Drawings and Specifications. This Contract, the drawings and the specifications have been prepared, and are intended to supplement one another. The drawings and specifications shall be deemed by this reference to be incorporated within this Contract, the drawings shall be deemed by this reference to be incorporated within the specifications, and the specifications shall be deemed by this reference to be incorporated with the drawings. In the event a conflict is found to exist between
the drawings and specifications, the College shall interpret. In the event that the drawings and
specifications, or either of them shall be found to conflict with this Contract, then this Contract shall
be govern. Omissions from this Contract of items of provisions present in the specifications or
drawings or either of them shall not be deemed a conflict within the meaning of this Article.
e) Changes. Should the Owner, at any time during the progress of the work desire any alterations, or
deviations in, or additions to, or omissions from the Contract or the drawings or specifications, said
Owner, or representative thereof, shall be at liberty to order them, in writing, and the same shall in no
way affect or make void this Contract, but the amount thereof shall be added to, or deducted from,
the amount of the Contract Price aforesaid, as the case may be, by a fair and reasonable valuation.
This Contract, subject to the provisions of Article II (a) hereof, shall be deemed completed when the
work is finished in accordance with the original drawings and specifications, as amended by such
changes, whatever may be the nature or extent thereof.
i) No such changes, whatever may be the nature, or modification shall release or exonerate any
surety or sureties upon any guarantee or bond given in connection with this Contract, if required.

ii) Rules of Practice: The rule of practice to be observed in this Contract shall be that upon the
demand of either the Owner or the Contractor, the character or valuation of any and all changes,
omissions, or extra work shall be agreed upon and fixed in writing, signed by the Owner and the
Contractor, prior to execution.

f) Acceptance of Work. The payment of the progress payments by the Owner shall not be construed
as an absolute acceptance of the work done up to the time of such payments, except as to such
matters as are open and obvious, but the entire work, and at the time when it shall be claimed by the
Contractor that the Contract and work is completed. Liability under the bonds is to continue for one
(1) year from the date of acceptance and bonds will not be released until such date.

g) Failure to provide workmen and materials. If the Contractor at any time during the progress of the
work should refuse or neglect, without the fault of the Owner, to supply sufficient amount of materials
or enough workmen to complete the Contract within the time herein set forth, due allowance being
made for the contingencies provided for herein, for a period of more than seven (7) days after having
been notified by the Owner in writing to furnish the same, the Owner shall have the power to furnish
and provide said materials and/or workmen to finish the said work, and the reasonable expense
thereof shall be deducted from the amount of the Contract Price.

h) Penalties. This Contractor shall forfeit, as a penalty to the said Owner, the sum of fifty dollars
($50.00) for each laborer, workman, or mechanic employed in the execution of this Contract, or any
sub-contractor under him, for each calendar day during which such laborer, workman or mechanic is
required or permitted to labor more than eight (8) hours in violation of Section 1810-1811, Chapter
One, of Division Two, Part Seven of the Labor Code of the State of California, and said Owner, when
making payments of money due under this Contract, shall withhold and retain there from all sums
and amounts which have been forfeited pursuant to the herein said stipulation.

i) Insurance and Bonds: Insurances and bonds, as set forth in the supporting contract documents,
shall be maintained in effect during the period of this Contract.

j) Relations to Bid Proposals: If proposal is accepted by owner, be it further stipulated and agreed that
said Owner does promise and agree to employ the said Contractor to provide the materials and do
the work according to the terms and conditions herein contained and referred to, for the prices
aforesaid, and herein contracts to pay the same at the time, in the manner and upon the conditions
set forth above; and the said parties for themselves, their heirs, executors, administrators,
successors, and assigns, do hereby agree to the full performance of the covenants herein contained.
It is further agreed by and between the parties hereto that should there be any conflict between the
terms of this instrument and the bid proposal of said Contract, then this instrument shall control and
nothing herein shall be considered as an acceptance of the said terms of said proposal conflicting
herewith.

k) Asbestos/PCB-containing products and lead plumbing items: Contractor agrees that lead plumbing
domestic water items, asbestos, PCB, -containing products or materials will not be used or
substituted in performing work under the Agreement. At the completion of work under the
Agreement, Contractor will certify in writing to the Owner that to the best of Contractor's knowledge,
no lead plumbing domestic water items, asbestos/PCB-containing products or materials were used
or substituted in performing work under the Agreement.

i) Compliance with air pollution and storm water prevention control rules: Contractor shall comply with all air pollution control rules, regulations, ordinances, and statutes which apply to any work performed pursuant to the Contract, including any air pollution control rules, regulations, ordinances, and statutes specified in Section 11017 of the Government Code, as well as local requirements, County, City, local Air Pollution Control Districts and Storm Water Prevention Districts. Contractor shall require all subcontractors to abide by these items.

m) Contractor-Employee requirements: By submitting proposal, the Contractor certifies he is aware of the provisions of section 3700 of the Labor Code which require every employer to be insured against liability for workmen's compensation or to undertake self-insurance in accordance with the provisions of that code, and that he will comply with such provisions before commencing the performance of the work of this Contract.

i) In accordance with the provisions of Section 3700 of the Labor Code, every contractor will be required to secure payment of compensation to his employees.

ii) The Contractor and Subcontractors under him shall comply with the provisions of Division 2, Part 7, Chapter 1, Article 2, Sections 1770-1780 with particular reference to the employment and use of apprentices and other provisions that require him to make travel and subsistence payments to each workman needed to execute the work, as such collective bargaining agreements filed in accordance with the Labor Code, and to pay not less than the minimum per diem wages as determined by the Director of the Department of Industrial Relations, on file in the principal office of the Owner.

iii) Special attention is directed to Sections 1777.5, 1777.6 and 1777.7 of the California Labor Code and Title 8, California Code of Regulations Section 200 et. seq. Each contractor and/or subcontractor must, prior to commencement of the public works contract, contact the Division of Apprenticeship Standards, 455 Golden Gate Avenue, San Francisco, or one of its branch offices regarding apprentices and specifically the required ratio there under. Responsibility for compliance with this section lies with the prime Contractor. During the performance of this Contract, the Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin.

n) Notices: All notices herein provided to be given or which may be given by either party to the other shall be deemed to have been fully given when made in writing and deposited with the United States Postal Service, Registered or Certified, and postage prepaid and addressed as follows:

i) Owner, person and address on title sheet of RFP.

ii) Contractor, person and address on proposal submitted by contractor herein.

iii) The address to which the notices shall or may be mailed as aforesaid to either party shall or may be changed by written notice given by such party to the other, as hereinbefore provided, but nothing herein contained shall preclude the giving of any such notice by personal service.
6.0 PROJECT SCOPE

A. PROJECT DESCRIPTION:

SEE ATTACHED

B. WORK SEQUENCE:

1. The Work will be conducted in one phase to provide the least possible interference to the activities of the Owner's personnel and to permit an orderly transfer of personnel and equipment to the new facilities.

C. CONTRACTOR USE OF PREMISES:

1. General: Limit use of the premises to construction activities in areas indicated; allow for Owner occupancy and use by the public.
   a. Confine operations to areas within Contract limits indicated. Portions of the site beyond areas in which construction operations are indicated are not to be disturbed.
   b. Keep driveways and entrances serving the premises clear and available to the Owner and the Owner's employees at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

2. Use of the Existing Building: Maintain the existing buildings in a weather tight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.

D. OWNER OCCUPANCY:

1. Full Owner Occupancy: The Owner will occupy the site and existing building during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with the Owner's operations.

E. GENERAL SCOPE OF WORK:

1. Contractor to inspect project site and inspect existing conditions/utilities.
2. Scheduling of work to be coordinated with college for non-interruption during office hours, c/o M/O Director.
3. Provide all necessary tools and equipments to complete work within time frame stated in contract.
4. Contractor to inform Owner one (1) week before work is completed to schedule testing and inspection. Contractor to guarantee workmanship one (1) year.
5. Work areas shall be cleaned /cleared on a daily basis. All construction debris to be removed from site upon completion of work by contractor.
-----End of Document----
PART 1 GENERAL

1.1 SCOPE OF WORK

A. Make any necessary repairs, including removal of any wet insulation, blisters, and roofing materials and replace with like materials. Allow repairs to cure completely.

B. Confirm local water run-off ordinances and restrictions prior to cleaning roof. Carefully power wash all roof surfaces with greater than 2,000 psi pressure to remove debris, rust, scale, dirt, dust, chalking, peeling or flaking coatings, etc. Do not force water into the roof system or damage roof surfaces. Wearing personal protective clothing and equipment, treat areas of algae, mildew or fungus with a solution of three quarts of warm water and TSP or Simple Green Solution. Rinse at least twice to be sure all cleaning agents or contaminants are completely removed to prevent adhesion issues.

C. If the roof surface becomes contaminated with dirt, dust or other particles at any time during the application of the LiquiTec system, cleaning measures must be taken to restore the surface to a suitable condition.

D. Open LiquiTec container. Remove Part B jug and its plastic holding compartment out of the pail. Mix Part A liquid for one minute using an electric heavy-duty power drill and Jiffy mixer blade (ES model). Cordless drills are not permitted as they will not properly mix the materials. While mixing, slowly pour contents of Part B jug into the Part A pail. Mix the two components together for two (2) minutes moving the Jiffy blade from top to bottom and along the sides to ensure the product is thoroughly mixed. Always mix entire kit contents together as packaged. Do not break down into smaller quantities.

E. The penetrations and walls are to be competed in their entirety prior to restoring the field of the roof.

F. All side and end laps of the existing roofing system are to have a cove of Tuff Stuff urethane caulking prior to the application of the LiquiTec restoration system.

G. Remove old coping cap and install new R-Mer Coping (Patriot Blue Color).

H. All flashings to be fully reinforced as in the field of the roof.

I. Clean and seal metal flashings at clear story, Prime and coat with reinforced LiquiTec.

J. Contractor to perform adhesion test after cleaning of roof but prior to installation.

K. District purchased materials under CMAS are shown in section 01640.
1.3 REFERENCES


G. ASTM D 75 - Standard Practice for Sampling Aggregates.


O. ASTM D 624 - Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers


R. ASTM D 1475 - Standard Test Method For Density of Liquid Coatings, Inks, and Related Products.


1.4 SYSTEM DESCRIPTION

A. Smooth or Mineral Modified Surface Roof Restoration: Renovation work includes:
   1. Surface preparation: Remove dirt, and debris.
   4. Metal Flashings: Repair/Replace metal flashings, pitch pockets, etc.
6. Primer: Prime over entire roof with Garla Block.

1.5 SUBMITTALS

A. Submit under provisions of Section 01300.
B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.
C. Shop Drawings: Submit shop drawings including installation details of roofing, flashing, fastening, insulation and vapor barrier, including notation of roof slopes and fastening patterns of insulation and base modified bitumen membrane, prior to job start.

1.6 QUALITY ASSURANCE

A. Perform Work in accordance with NRCA Roofing and Waterproofing Manual.
B. Manufacturer Qualifications: Manufacturer: Company specializing in manufacturing products specified in this section with documented ISO 9001 certification and minimum twelve years and experience.
C. Installer Qualifications: Company specializing in performing Work of this section with minimum five years documented experience and a certified Pre-Approved Garland Contractor.
D. Installer's Field Supervision: Maintain a full-time Supervisor/Foreman on job site during all phases of roofing work while roofing work is in progress.
E. Product Certification: Provide manufacturer's certification that materials are manufactured in the United States and conform to requirements specified herein, are chemically and physically compatible with each other, and are suitable for inclusion within the total roof system specified herein.
F. Source Limitations: Obtain all components of roof system from a single manufacturer. Secondary products that are required shall be recommended and approved in writing by the roofing system Manufacturer. Upon request of the Architect or Owner, submit Manufacturer's written approval of secondary components in list form, signed by an authorized agent of the Manufacturer.

1.7 PRE-INSTALLATION CONFERENCE

A. Convene a pre-roofing conference approximately two weeks before scheduled commencement of roofing system installation and associated work.
B. Require attendance of installers of deck or substrate construction to receive roofing, installers of rooftop units and other work in and around roofing which must precede or follow roofing work including mechanical work, Architect, Owner, roofing system manufacturer's representative.
C. Objectives include:
   1. Review foreseeable methods and procedures related to roofing work, including set up
1.8 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging with labels intact until ready for installation.

B. Store all roofing materials in a dry place, on pallets or raised platforms, out of direct exposure to the elements until time of application. Store materials at least 4 inches above ground level and covered with "breathable" tarpaulins.

C. Stored in accordance with the instructions of the manufacturer prior to their application or installation. Store roll goods on end on a clean flat surface. No wet or damaged materials will be used in the application.

D. Store at room temperature wherever possible, until immediately prior to installing the roll. During winter, store materials in a heated location with a 50-degree F (10 degree C) minimum temperature, removed only as needed for immediate use. Keep materials away from open flame or welding sparks.

E. Avoid stockpiling of materials on roofs without first obtaining acceptance from the Architect/Engineer.

F. Adhesive storage shall be between the range of above 50-degree F (10 degree C) and below 80-degree F (27 degree C). Area of storage shall be constructed for flammable storage.

1.9 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

B. Weather Condition Limitations: Do not apply roofing system during inclement weather or when precipitation is expected.

C. Proceed with roofing work only when existing and forecasted weather conditions will permit unit of work to be installed in accordance with manufacturer's recommendations and warranty requirements.

D. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed during same day.

E. When applying materials with spray equipment, take precautions to prevent over spray
and/or solvents from damaging or defacing surrounding walls, building surfaces, vehicles or other property. Care should be taken to do the following:

1. Close air intakes into the building.
2. Have a dry chemical fire extinguisher available at the jobsite.
3. Post and enforce “No Smoking” signs.

F. Avoid inhaling spray mist; take precautions to ensure adequate ventilation.

G. Protect completed roof sections from foot traffic for a period of at least 48 hours at 75 degrees F (24 degrees C) and 50 percent relative humidity or until fully cured.

H. Take precautions to ensure that materials do not freeze.

I. Minimum temperature for application is 50 degrees F (10 degrees C) and rising

1.10 WARRANTY

A. Upon completion of the work, provide the Manufacturer's written and signed limited labor and materials Warranty, warranting that, if a leak develops in the roof during the term of this warranty, due either to defective material or defective workmanship by the installing contractor, the manufacturer shall provide the Owner, at the Manufacturer's expense, with the labor and material necessary to return the defective area to a watertight condition.

1. Warranty Period:
   a. (20 years): 5 years from date of acceptance plus 15 additional years after 5 year inspections by Garland.
      1) Upon completion of the work, provide the Manufacturer's written and signed limited labor and materials Warranty, warranting that, if a leak develops in the roof during the term of this warranty, due either to defective material or defective workmanship by the installing contractor, the manufacturer shall provide the Owner, at the Manufacturer's expense, with the labor and material necessary to return the defective area to a watertight condition.

A. Installer is to guarantee all work against defects in materials and workmanship for a period indicated following final acceptance of the Work.

1. Warranty Period:
   a. 5 years from date of acceptance.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Garland Company, Inc. (The), which is located at: 3800 E. 91st St.; Cleveland, OH 44105; Toll Free Tel: 800-321-9336; Tel: 216-641-7500; Fax: 216-641-0633; Email: request info (); Web: http://www.garlandco.com, or equal

B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 ROOF RESTORATION SYSTEM FOR SMOOTH OR MINERAL MODIFIED SURFACE ROOFS
A. **LiquiTec System:**
   1. **Primer:** Garla-Block on new asphaltic materials only
   2. **Coating:** LiquiTec Base & LiquiTec
   3. **Flashing:** Repair or replace as needed.
   4. **Reinforcement:** Grip Polyester Soft
   5. **Surfacing:** None.

2.3 **EDGE TREATMENT AND ROOF PENETRATION FLASHINGS**

A. **Vents and Breathers:** Heavy gauge aluminum and fully insulated vent that allows moisture and air to escape but not enter the roof system as recommended and furnished by the membrane manufacturer.

B. **Pitch pans, Rain Collar** 24 gauge stainless or 20oz (567gram) copper. All joints should be welded/soldered watertight. See details for design.

C. **Liquid Flashing - Coating:** LiquiTec: Multi-purpose, 100% solids, two-part, fast-cure, polyurea

D. **Fabricated Flashings:** Fabricated flashings and trim are specified in Section 07620.
   1. Fabricated flashings and trim shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the CDA Copper Development Association "Copper in Architecture - Handbook" as applicable.

E. **Manufactured Roof Specialties:** Manufactured copings, fascia, gravel stops, control joints, expansion joints, joint covers and related flashings and trim are specified in Section 07710.
   1. Manufactured roof specialties shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the NRCA "Roofing and Waterproofing Manual" as applicable.

**PART 3 EXECUTION**

3.1 **EXAMINATION**

A. Do not begin installation until substrates have been properly prepared.

B. Verify that work penetrating the roof deck, or which may otherwise affect the roofing, has been properly completed.

C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 **ROOF PREPARATION AND REPAIR**

A. General: All necessary field and flashing repairs must be done according to good construction practices, including the removal of all wet insulation and defective materials as identified through a moisture detection survey such as an infrared scan and replacement with like-materials.
   1. Remove existing roof flashings from curbs and parapet walls down to the surface of the roof. Remove existing flashings at roof drains and roof penetrations.
   2. Remove all wet, deteriorated, blistered or delaminated roofing membrane or insulation and fill in any low spots occurring as a result of removal work to create a smooth, even surface for application of new roof membranes.
   3. Install new wood nailers as necessary to accommodate insulation/recovery board or new nailing patterns.
   4. When mechanically attached, the fastening pattern for the insulation/recovery board shall be as recommended by the specific product manufacturer.
   5. Existing roof surfaces shall be primed as necessary and allowed to dry prior to
installing the fluid-applied roofing system.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

C. Repair all defects such as deteriorated roof decks; replace saturated insulation board, replace loose or brittle membrane or membrane flashings. Verify that exiting conditions meet the following requirements:
   1. Existing membrane is either fully adhered or that the membranes mechanical fasteners are secured and functional.
   2. Application of roofing materials over a brittle roof membrane is not recommended.

D. Remove all loose dirt and foreign debris from the roof surface. Do not damage roof membrane in cleaning process.

E. Clean and seal all parapet walls, gutters and coping caps, and repair any damaged metal where necessary. Seal watertight all fasteners, pipes, drains, vents, joints and penetrations where water could enter the building envelope.

F. Clean the entire roof surface by removing all dirt, algae, paint, oil, talc, rust or foreign substance. Use a 10 percent solution of TSP (tri-sodium phosphate), Simple Green and warm water. Scrub heavily soiled areas with a brush. Rinse with fresh water to remove all TSP solution. Allow roof to dry thoroughly before continuing.

G. Repair existing roof membrane as necessary to provide a sound substrate for the liquid membrane. All surface defects (cracks, blisters, tears) must be repaired with similar materials from Manufacturer providing warranty.

H. Pre-Treatment of Known Growth - General Surfaces: Once areas of moss, mold, algae and other fungal growths or vegetation have been removed and surfaces have also been thoroughly cleaned, apply a biocide wash at a maximum spread rate of 0.2 gallons/square (0.08 liters/m), to guard against subsequent infection. Allow to dry onto absorbent surfaces before continuing with the application. On non-absorbent surfaces, allow to react before thoroughly rinsing to remove all traces of the solution.

### 3.3 INSTALLATION

A. General Installation Requirements:
   1. Install in accordance with manufacturer's instructions. Apply to minimum coating thickness required by the manufacturer.
   2. Cooperate with manufacturer, inspection and test agencies engaged or required to perform services in connection with installing the roof system.
   3. Insurance/Code Compliance: Where required by code, install and test the roofing system to comply with governing regulation and specified insurance requirements.
   4. Protect work from spillage of roofing materials and prevent materials from entering or clogging drains and conductors. Replace or restore work damaged by installation of the roofing system.
   5. All primers must be top coated within 24 hours of application. Re-prime if more time passes after priming.
   7. Coordinate counter flashing, cap flashings, expansion joints and similar work with work specified in other Sections under Related Work.
   8. Coordinate roof accessories and miscellaneous sheet metal accessory items, including piping vents and other devices with work specified in other Sections under Related Work.

B. Smooth Surface or Mineral Modified Roof Restoration: Renovation work includes:
1. Surface preparation: Remove dirt, and debris.
4. Metal Flashings: Repair/Replace metal flashings, pitch pockets, etc.
5. Roof Repairs: Repair blisters, holes, cuts, cracks, splits or other surface defects. Loose or damaged modified bitumen laps must be resealed/repaired.
6. Primer: Prime new asphaltic materials only at a rate of 0.5 gallons per 100 SF.
7. Coating Mixing Procedure:
   a. Mix Part A liquid for one minute using an electric heavy duty power drill and Jiffy mixer blade.
   b. Slowly pour contents of Part B jug, located inside the Part A pail, into the Part A container and mix the two components together for two minutes moving the Jiffy blade from top to bottom and along the sides to ensure the product is thoroughly mixed. Always mix entire kit contents together as packaged. Do not break down into smaller quantities.
8. Application of LiquiTec Base and Reinforcement:
   a. Apply a bead of Green Lock XL Sealant or Tuff-Stuff MS into all MB side and end laps to reduce the height of the overlap helping to eliminate voids and tenting under fabric reinforcement.
   b. On field surfaces run fabric reinforcement parallel to the low edge using a shingling method up the slope with minimum 3-inch fabric laps.
   c. After positioning reinforcement to roll out, apply coating about 40 inches wide to the roof surface where reinforcement ply is to be applied at a rate of 3.0 gallons per 100 SF over smooth modified bitumen or 4.0 gallons per 100 SF over granule modified bitumen.
   d. Use a notched squeegee to spread coating and roller apply with ¾” nap roller to obtain uniform coverage.
   e. Do not apply coating too far ahead of fabric so coating does not dry before fabric can be embedded.
   f. Immediately roll reinforcement into wet coating.
   g. Ensure roller is fully saturated with coating and backroll over the reinforcement surface to fully saturate.
   h. Use care to lay the fabric tight to the roof surface without air pockets, wrinkles, fishmouths, etc.
   i. Lap adjacent rolls of reinforcement 3 inches and end laps 6 inches.
   j. Allow to dry, but no more than 72 hours before applying top coat.
9. Application of Finish Coat:
   a. Apply top coat at 2.0 gallon per 100 SF to clean and dry reinforced base coat application.
10. Liquid Flashings:
    a. All flashings are coated in the same manner as the field prior to field application.
    b. Vertical liquid flashings shall run a minimum of 4” onto the horizontal surface.
    c. At the drain flashing lift strainer and clamp ring. Remove all asphalt and debris from drain bowl to ensure a clean substrate for coating application.
11. (Optional): Application of Non-Skid Surface for Walkways:
    a. Apply LiquiTec at a minimum of 1.0 gal./100 sq. ft. (0.41 l/m2) to dry top coat within 72 hours of its application.
    b. Broadcast dry roofing granules or 20-40 mesh silica sand into wet coating and immediately back-roll to set.

3.4 INSTALLATION EDGE TREATMENT AND ROOF PENETRATION FLASHING

A. Fabricated Flashings: Fabricated flashings and trim are provided as specified in Section
Fabricated flashings and trim shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the Copper Development Association "Copper in Architecture - Handbook" as applicable.

B. Manufactured Roof Specialties: Manufactured copings, fascia, gravel stops, control joints, expansion joints, joint covers and related flashings and trim are provided as specified in Section 07710.

1. Manufactured roof specialties shall conform to the detail requirements of SMACNA "Architectural Sheet Metal Manual" and/or the National Roofing Contractor's Association "Roofing and Waterproofing Manual" as applicable.

C. Metal Edge:
1. Inspect the nailers to assure proper attachment and configuration.
2. Run one ply over the edge. Assure coverage of all wood nailers. Fasten plies with ring shank nails at 8 inches (203 mm) o.c.
3. Install continuous cleat and fasten at 6 inches (152 mm) o.c.
4. Install new metal edge hooked to continuous cleat and set in bed of roof cement. Fasten flange to wood nailers every 3 inches (76 mm) o.c. staggered.
5. Prime metal edge at a rate of 100 square feet per gallon and allow to dry.
6. Strip in flange with base flashing ply covering entire flange in bitumen with 6 inches (152 mm) on to the field of roof. Assure ply laps do not coincide with metal laps.
7. Install a second ply of modified flashing ply in bitumen over the base flashing ply, 9 inches (228 mm) on to the field of the roof. Seal outside edge with rubberized cement.

3.5 CLEANING

A. Clean-up and remove daily from the site all wrappings, empty containers, paper, loose particles and other debris resulting from these operations.

B. Remove asphalt markings from finished surfaces.

C. Repair or replace defaced or disfigured finishes caused by Work of this section.

3.6 PROTECTION

A. Provide traffic ways, erect barriers, fences, guards, rails, enclosures, chutes and the like to protect personnel, roofs and structures, vehicles and utilities.

B. Protect exposed surfaces of finished walls with tarps to prevent damage.

C. Plywood for traffic ways required for material movement over existing roofs shall be not less than 5/8 inch (16 mm) thick.

D. In addition to the plywood listed above, an underlayment of minimum 1/2 inch (13 mm) recover board is required on new roofing.

E. Special permission shall be obtained from the Manufacturer before any traffic shall be permitted over new roofing.

3.7 FIELD QUALITY CONTROL

A. Require attendance of roofing materials manufacturers' representatives at site during installation of the roofing system.

B. Perform field inspection and [and testing] as required under provisions of Section 01410.

C. Correct defects or irregularities discovered during field inspection.
3.8 FINAL INSPECTION

A. At completion of roofing installation and associated work, meet with Contractor, Architect, installer, installer of associated work, roofing system manufacturer’s representative and others directly concerned with performance of roofing system.

B. Walk roof surface areas, inspect perimeter building edges as well as flashing of roof penetrations, walls, curbs and other equipment. Identify all items requiring correction or completion and furnish copy of list to each party in attendance.

C. If core cuts verify the presence of damp or wet materials, the installer shall be required to replace the damaged areas at his own expense.

D. Repair or replace deteriorated or defective work found at time above inspection as required to produce an installation that is free of damage and deterioration at time of Substantial Completion and according to warranty requirements.

E. Architect upon completion of corrections.

F. Following the final inspection, provide written notice of acceptance of the installation from the roofing system manufacturer.

3.9 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

3.10 SCHEDULES

A. Primers:
   1. Garla-Block Primer: copolymer sealant that prevent staining and degradation of surface coatings when installed over smooth or granulated asphalt, coal tar modified bitumen, or smooth asphalt BUR membranes.
      a. Non-Volatile Solids % by Weight, ASTM 3960: 28-32 %
      b. Non-Volatile Solids % by Volume, ASTM 3960: 25-28 %
      c. pH: 8-10
      d. Wet Film Thickness @ 1 gal./100 sq. ft.: 16 mils (microns 406.4)
      e. Flash Point PMCC: None
      f. Drying Time, Touch @ 70 degrees F (21.1 degrees C) /50% R.H.: 1-2 hrs.
      g. Viscosity @ 77 degrees F (25 degrees C) Brookfield RVT, #4 Spindle; 20 rpm, ASTM 2196: 3000-5000 cPs
      h. VOC: 30 g/l max

B. Coatings:
   1. Base Coating: LiquiTec Base: Multi-purpose, 100% solids, two-part, fast-cure, polyurea liquid waterproofing membrane having the following characteristics:
      a. Elongation, ASTM D 412: 433%
      b. Tensile Strength, ASTM D 412: 2300 psi
      c. Tear Resistance, ASTM D 624: 449 lbs./in
      d. Low Temperature Flexibility, ASTM D522: -60°F (-51.1°C)
      e. Hardness, ASTM D2240 (Shore A): 80
      f. Dynamic Impact Resistance (Fully Reinforced System): ASTM D5635, 37 joules
      g. Static Puncture Resistance (Fully Reinforced System): ASTM D5602, 20 kg
      h. Tensile-Tear Resistance (Fully Reinforced System): ASTM D4073,
j. Toughness: 140 lb-in.
k. Dry Film Thickness (Fully Reinforced System), 80-88 mils
l. Lap Shear Strength (MB Seam with coating): ASTM D7379, 231 lb/fin.
m. Density @ 77° F (25° C, ASTM D 2939) 9.6 lb./gal (1.2 g/m3)

n. Flash Point: ASTM D 93, 110°F min. (43°C)
o. VOC: 0 g/l
p. Microbial Resistance: ASTM G21, No Microbial Growth

C. Reinforcement/Base Coat
1. Ulti-Mat: Full strand reinforcing mat made from cut fibers laid in a random pattern and bonded with a powdered, high solubility resin binder.

D. Coating: LiquiTec: Multi-purpose, 100% solids, two-part, fast-cure, polyurea liquid waterproofing membrane having the following characteristics:
   a. Elongation, ASTM D 412: 433%
   b. Tensile Strength, ASTM D 412: 2300 psi
   c. Tear Resistance, ASTM D 624: 449 lbs./in
   d. Low Temperature Flexibility, ASTM D522: -60°F (-51.1°C)
   e. Hardness, ASTM D2240 (Shore A): 80
   f. Dynamic Impact Resistance (Fully Reinforced System): ASTM D5635, 37 joules
   g. Static Puncture Resistance (Fully Reinforced System): ASTM D5602, 20 kg
   h. Tensile-Tear Resistance (Fully Reinforced System): ASTM D4073,
   i. Tensile Load Strain (Fully Reinforced System): ASTM D4073,
   j. Toughness: 140 lb-in.
   k. Dry Film Thickness (Fully Reinforced System), 80-88 mils
   l. Lap Shear Strength (MB Seam with coating): ASTM D7379, 231 lb/fin.
   m. Density @ 77° F (25° C, ASTM D 2939) 9.6 lb./gal (1.2 g/m3)
   n. Flash Point: ASTM D 93, 110°F min. (43°C)
   o. VOC: 0 g/l
   p. Microbial Resistance: ASTM G21, No Microbial Growth
   q. Initial Reflectance: 0.84
   r. Initial Emittance: 0.88
   s. Initial SRI: 105

E. Flashings
1. Base Coating: LiquiTec Base: Multi-purpose, 100% solids, two-part, fast-cure, polyurea liquid waterproofing membrane having the following characteristics:
   a. Elongation, ASTM D 412: 433%
   b. Tensile Strength, ASTM D 412: 2300 psi
   c. Tear Resistance, ASTM D 624: 449 lbs./in
   d. Low Temperature Flexibility, ASTM D522: -60°F (-51.1°C)
   e. Hardness, ASTM D2240 (Shore A): 80
   f. Dynamic Impact Resistance (Fully Reinforced System): ASTM D5635, 37 joules
   g. Static Puncture Resistance (Fully Reinforced System): ASTM D5602, 20 kg
   h. Tensile-Tear Resistance (Fully Reinforced System): ASTM D4073,
   i. Tensile Load Strain (Fully Reinforced System): ASTM D4073,
   j. Toughness: 140 lb-in.
   k. Dry Film Thickness (Fully Reinforced System), 80-88 mils
   l. Lap Shear Strength (MB Seam with coating): ASTM D7379, 231 lb/fin.
   m. Density @ 77° F (25° C, ASTM D 2939) 9.6 lb./gal (1.2 g/m3)
   n. Flash Point: ASTM D 93, 110°F min. (43°C)
   o. VOC: 0 g/l
   p. Microbial Resistance: ASTM G21, No Microbial Growth
2. Coating: LiquiTec: Multi-purpose, 100% solids, two-part, fast-cure, polyurea liquid waterproofing membrane having the following characteristics:
   a. Elongation, ASTM D 412: 433%
   b. Tensile Strength, ASTM D 412: 2300 psi
   c. Tear Resistance, ASTM D 624: 449 lbs./in
   d. Low Temperature Flexibility, ASTM D522: -60°F (-51.1°C)
   e. Hardness, ASTM D2240 (Shore A): 80
   f. Dynamic Impact Resistance (Fully Reinforced System): ASTM D5635, 37 joules
   g. Static Puncture Resistance (Fully Reinforced System): ASTM D5602, 20 kg
   h. Tensile-Tear Resistance (Fully Reinforced System): ASTM D4073,
   i. Tensile Load Strain (Fully Reinforced System): ASTM D4073,
   j. Toughness: 140 lb-in.
   k. Dry Film Thickness (Fully Reinforced System), 80-88 mils
   l. Lap Shear Strength (MB Seam with coating): ASTM D7379, 231 lbf/in.
   m. Density @ 77° F (25° C, ASTM D 2939) 9.6 lb./gal (1.2 g/m3)
   n. Flash Point: ASTM D 93, 110°F min. (43°C)
   o. VOC: 0 g/l
   p. Microbial Resistance: ASTM G21, No Microbial Growth
   q. Initial Reflectance: 0.84 (LiquiTec)
   r. Initial Emittance: 0.88 (LiquiTec)
   s. Initial SRI: 105 (LiquiTec)

END OF SECTION
PART 1 - GENERAL

1.1 SUMMARY
A. DESCRIPTION: The Owner shall procure and provide certain products for installation as shown and specified per Contract Documents.

B. RELATED WORK SPECIFIED ELSEWHERE:
   1. General: Products furnished and paid for by the Owner are described in the following technical sections and/or in the Drawings.
   2. DISTRICT SUPPLIED MATERIAL
      Note that this project includes the installation of owner-supplied material; the District has acquired roofing material through the CMAS (California Multiple Award Schedules) program.

1.2 DEFINITIONS
A. GENERAL: The following are used to identify products as noted on the Drawings.

B. OWNER FURNISHED CONTRACTOR INSTALLED (O.F.C.I.): Products or equipment furnished by the Owner for installation under this contract.

C. OWNER FURNISHED OWNER INSTALLED (O.F.O.I.): Products or equipment to be provided and installed by the Owner, but requiring surfacing, backing, utility connections or other preparation under this contract, for proper installation.

D. NOT IN CONTRACT (N.I.C.): Products or equipment to be provided and installed by Owner, not requiring surfacing, backing, utility connections or other preparation under this contract.

PART 2 - PRODUCTS

2.1 PRODUCTS
A. ROOFING MATERIAL FURNISHED BY OWNER (O.F.C.I.): District supplied material through the CMAS (California Multiple Award Schedules) program. Related specification sections include; Section 07563 Modified Bituminous Membrane Roofing
B. **MATERIAL LIST**

Listed in a Table below is a list of district provided material. Any material or accessories required for the installation of the roof system in excess of the district provided material must be supplied by the Contractor. It is up to the Contractor to determine the precise amount of material required for the completion of this project; and to provide excess material, as required. The cost to handle and break flashing metal from the District provided flat stock is contractor’s responsibility.

**TABLE OF ROOFING MATERIAL OWNER FURNISHED CONTRACTOR INSTALLED (O.F.C.I)**

<table>
<thead>
<tr>
<th>Material</th>
<th>Product Name</th>
<th>Product Code</th>
<th>Quantity Supplied by District</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restoration Material</td>
<td>Liquitec</td>
<td>7844 - Kit</td>
<td>(150) Pails</td>
<td>See Data Sheet</td>
</tr>
<tr>
<td>Restoration Base Coat</td>
<td>Liquitec Base</td>
<td>7846-Kit</td>
<td>(300) Pails</td>
<td>See Data Sheet</td>
</tr>
<tr>
<td>Scrim</td>
<td>Grip polyester Soft</td>
<td>4876</td>
<td>(34) Rolls</td>
<td>1,000 sq ft</td>
</tr>
<tr>
<td>Shipping and Tax</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PART 3 - EXECUTION

2.2 OWNER'S RESPONSIBILITIES

A. **SUBMITTALS:** Arrange for and deliver necessary shop drawings, product data and samples to Contractor.

B. **DELIVERY:**
   1. **General:** Arrange and pay for product delivery to site, in accordance with construction schedule.
   2. **Bill of Materials:** Deliver supplier's documentation to Contractor.
   3. **Inspection:** Inspect jointly with Contractor.
   4. **Claims:** Submit for transportation damage and replacement of otherwise damaged, defective, or missing items.

C. **GUARANTEES:** Arrange for manufacturer's warranties, bonds, service, and inspections, as required.

2.3 CONTRACTOR'S RESPONSIBILITIES

A. **SUBMITTALS:** Review shop drawings, product data and samples and submit to Architect with notification of any discrepancies or problems anticipated in use of product.

B. **DELIVERY:**
   1. **General:** Designate delivery date for each product in Progress Schedule.
   2. **Receiving:** Receive and unload products at site. Handle products at site, including uncrating and storage.
   3. **Inspection:** Promptly inspect products jointly with Owner; record shortages, damaged or defective items.
   4. **Storage:** Protect products from damage or exposure to elements.

C. **INSTALLATION:**
   1. **General:** Assemble, install, connect, adjust and finish products, as stipulated in the respective section of Specifications.
   2. **Repair and Replacement:** Items damaged during handling and installation.

* End Section 01640 *