

TOWN OF GLASTONBURY
INVITATION TO BID

<u>BID #</u>	<u>ITEM</u>	<u>DATE & TIME REQUIRED</u>
GL-2017-02	Gym Floor Replacement Hopewell School	June 16, 2016 @ 11:00 a.m.

The Town of Glastonbury is seeking bids for the replacement of the gymnasium floor at Hopewell School, 1080 Chestnut Hill Road, South Glastonbury, CT 06073

An optional pre-bid meeting and site walk through will be held starting at the Hopewell School, 1080 Chestnut Hill Road, South Glastonbury, CT 06073 on June 8th at 2:00 p.m. Interested bidders are encouraged to attend.

Bid Forms may be downloaded from the Town's website at www.glastonbury-ct.gov or the State of Connecticut Department of Administrative Services website at www.das.state.ct.us at no cost. Forms are also available at the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut 06033, (second level). No late bids will be accepted.

Prevailing Wages: The contractor must comply with Section 31-53 of the Connecticut General Statutes as amended, including annual adjustments in prevailing wages.

Bid Security shall be issued payable to the "Town of Glastonbury" in the form of a certified check or Bid Bond in an amount not less than 10% of the total amount of the base bid. The Bid Bond must be issued by a surety company licensed in the State of Connecticut. Cashier's checks will not be accepted.

The Town reserves the right to waive informalities or reject any part of, or the entire bid, when said action is deemed to be in the best interest of the Town. All Sealed Bids must be submitted to the Office of the Purchasing Agent no later than the time and date indicated. All bids will be publicly opened and read.

The Town of Glastonbury is an Affirmative Action/Equal Opportunity Employer. Minority/Women/Disadvantaged Business Enterprises are encouraged to bid.

Mary F. Visone
Purchasing Agent

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1. General: Where the term “Town” or “Town of Glastonbury” is used this shall be assumed to apply, also, to the Glastonbury Board of Education.
2. Sealed bids (**one original and one copy**) on the attached Bid Forms will be received at the Office of the Purchasing Agent, Town Hall, 2155 Main Street, Glastonbury, Connecticut, 06033 (second level). At the designated time of opening, they will be publicly opened, read, recorded and placed on file.
3. Whenever it is deemed to be in the best interest of the Town, the Town Manager, Purchasing Agent or designated representative shall waive informalities in any and all bids. The right is reserved to reject any bid, or any part of any bid, when such action is deemed to be in the best interest of the Town of Glastonbury.
4. The basis of award will be based on the lump sum bid of the lowest qualified and responsible bidder. The Town is requiring lump sum bids with and without prevailing wages from all bidders. This solicitation is only one component of a larger project involving more than one trade package. If the aggregate of all trades is \$100,000 or more, prevailing wage rates shall apply. The Town reserves the right to award with or without prevailing wage rates to the lowest responsible bidder as necessary to comply with Section 31-53 of the Connecticut General Statutes.
5. Bids will be carefully evaluated as to conformance with stated specifications.
6. The envelope enclosing your bid should be clearly marked by bid number, time of bid opening, and date.
7. Specifications must be submitted complete in every detail and, when requested, samples shall be provided. If a bid involves any exception from stated specifications, they must be clearly noted as exceptions, underlined, and attached to the bid.
8. The Bid Documents contain the provisions required for the requested item. Information obtained from an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him/her from fulfilling any of the conditions of the bid.
9. Each Bidder is held responsible for the examination and/or to have acquainted themselves with any conditions at the job site which would affect their work before submitting a bid. Failure to meet these criteria shall not relieve the Bidder of the responsibility of completing the bid without extra cost to the Town of Glastonbury.
10. Any bid may be withdrawn prior to the above-scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and the date specified shall not be considered. No Bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof. Should there be reasons why a bid cannot be awarded within the specified period, the time may be extended by mutual agreement between the Town and the Bidder.
11. Each bid must be accompanied by a bid bond payable to the Town for ten percent (10%) of the total amount of the bid. The bid bond of the successful Bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned. A certified check may be used in lieu of a bid bond. The Town of Glastonbury will not be liable for the accrual of any interest on any certified check submitted. Cashier’s checks will not be accepted.

12. A 100% Performance and Payment bond is required of the successful bidder. This bond shall cover all aspects of the specification and shall be delivered to the Purchasing Agent prior to the issuance of a purchase order. The Performance and Payment Bond will be returned upon the delivery and acceptance of the bid items.
13. The Bidder agrees and warrants that in the submission of this sealed Bid, they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such Bidder that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed Bid or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the Bidder. An Affirmative Action Statement will be required by the successful Bidder.
14. Bidder agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in this bid will conform to and comply with said standards and regulations. Bidder further agrees to indemnify and hold harmless the Town and Board of Education for all damages assessed against the Town or Board of Education as a result of Bidder's failure to comply with said standards and/or regulations.
15. All correspondence regarding any purchase made by the Town of Glastonbury or Glastonbury Board of Education shall reference the Town or Board of Education purchase order number. Each shipping container shall clearly indicate both purchase order number and item number.
16. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003 and revised October 29, 2013 and effective November 28, 2013. Bidder shall acknowledge that they have reviewed the document in the area provided on the bid/proposal response page (BP). The selected Bidder will also be required to complete and sign an Acknowledgement Form prior to award. The Code of Ethics and the Consultant Acknowledgement Form can be accessed at the Town of Glastonbury website at www.glastonbury-ct.gov. Upon entering the website click **Bids & Proposals Icon** which will bring you to the links for the **Code of Ethics** and the **Acknowledgement Form**. If the Bidder does not have access to the internet, a copy of these documents can be obtained through the Purchasing Department at the address listed within this bid/proposal.
17. Any bidder, in order to be considered, shall be engaged primarily in the business of construction with a minimum of five (5) years, prior experience with athletic floors and have a valid contractor's license in the State of Connecticut.
18. **Non-Resident Contractors:**

Upon award the Town is required to report names of nonresident (out of state) Contractors to the State of Connecticut, Department of Revenue Services (DRS) to ensure that Employment Taxes and other applicable taxes are being paid by Contractors. **A single surety bond for 5% of the entire contract price is required to be filed with DRS by any unverified nonresident prime or general contractor (if awarded) where the contract price for the project is \$250,000 or more.** The contractor will be required to promptly furnish to the Town a copy of the **Form AU-968 - Certificate of Compliance** issued by the State of Connecticut, DRS. See State of Connecticut **Notice SN 2012 (2)**.

19. Bidder shall include on a sheet(s) attached to its proposal a complete disclosure of all past and pending mediation, arbitration and litigation cases that the bidder or its principals (regardless of their place of employment) have been involved in for the most recent five years. Please include a statement of the issues in dispute and their resolution. Acceptability of Bidder based upon this disclosure shall lie solely with the Town.
20. Bidder or its principals, regardless of their place of employment, shall not have been convicted of, nor entered any plea of guilty, or nolo contendere, or otherwise have been found civilly liable or criminally responsible for any criminal offense or civil action. Bidder shall not be in violation of any State or local ethics standards or other offenses arising out of the submission of bids or proposals, or performance of work on public works projects or contracts.
21. Municipal construction projects are exempt from Federal Excise Taxes, as well as, State of Connecticut Sales, Use and Service Taxes and should not be include in the Bidder's proposal.
22. After award of Contract, Owner will require the Contractor's Schedule of Values, which shall be submitted at the preconstruction meeting. The Schedule of Values must accurately reflect job costs and include a complete breakdown of material and labor costs.
23. Prevailing Wage Rates: If Applicable

Wage Rate Determination for this Project from the State of Connecticut is included in the bid documents. Certified payrolls for site labor shall be filled out weekly and submitted monthly to the Town on the correct State form (See Project Manual). The Town reserves the right to, without prior notice, audit payroll checks given to works on site in order to ascertain that wages and fringe benefits are being paid as required by the State of Connecticut. Contractor to comply with Connecticut General Statutes Section 31-53, as amended. Please make special note of the State requirement to adjust wage and fringe benefit rates on each July 1st following the original published rates. These revised rates are available via the internet. See State material attached.

NOTE that bidder is to include in its bid proposal all costs required by such annual increases in the PREVAILING RATES. No Escalation Clauses are to be included in the bidder's proposal and no Escalation Clauses will be in the Contract Agreement. Bidder is to anticipate any future increases and include these costs in its quotation.

Contractor's invoices will not be paid if certified payrolls are incomplete, incorrect or not received in a timely manner.

All Apprentices must be registered with the State of Connecticut and their number shall not exceed the number allowed by law. Otherwise, all workers must be paid at least the Journeyman rate listed including benefits.

OSHA SAFETY AND HEALTH CERTIFICATION:

Effective July 1, 2009: Any Mechanic, Laborer, or Worker, who performs work in a classification listed on the prevailing wage rate schedule on any public works project covered under C.G.S. Section 31-53, both on site and on or in the public building, must have completed a federal OSHA Safety and Health course within the last 5 years.

The execution of the Contract by the Bidder binds it to all applicable State Labor Laws and Regulations.

All other statutory laws, to the extent they are required to be incorporated into a contract by statute, are hereby deemed fully incorporated herein and in the Contract.

Violation of Prevailing Wage Law requirements may cause Contract to be terminated and the Owner reserves its rights if such termination is required.

24. Each Bidder shall submit a list of similar projects completed within the last three years. In order to be eligible for consideration, the Bidder must have successfully completed a minimum of five (5) similar projects within the last three (3) years. Please provide project name and contact information for project coordinator (name, title, address, phone number). Please also provide contract value.
25. For technical questions regarding this Bid, please contact David Sacchitella, Building Superintendent, at (860) 652-7706 or dave.sacchitella@glastonbury-ct.gov. For administrative questions regarding this Bid, please contact Mary F. Visone, Purchasing Agent at (860) 652-7588 or email purchasing@glastonbury-ct.gov. All questions, answers, and/or addenda, as applicable will be posted on the Town's website at www.glastonbury-ct.gov. (Upon entering the website click on Bids & Proposals Icon; click the Bid Title to view all bid details and document links). The request must be received at least three (3) days prior to the advertised response deadline. **It is the respondent's responsibility to check the website for addenda prior to submission of any bid/proposal.**

IMPORTANT:

- Failure to comply with general rules may result in disqualification of the Bidder.
- Municipal projects are exempt from Federal Excise Taxes, as well as, State of Connecticut Sales, Use and Service Taxes and should not be include in the Bidder's proposal.

01.00 WORKMANSHIP, MATERIALS AND EMPLOYEES

- 01.01 Wherever in this contract the word “Engineer” is used, it shall be understood as referring to the Building Superintendent of the Town of Glastonbury acting personally or through any assistants duly authorized.
- 01.02 The entire work described herein shall be completed in accordance with the plans and specifications to the full intent and meaning of the same. Unless otherwise specified, all materials incorporated in the permanent work shall be new, and both workmanship and material shall be of good quality. The Contractor shall, if required, furnish satisfactory evidence as to the kind and quality of materials.
- 01.03 The wording “furnish”, “install”, “construct”, “furnish and install”, or any similar terms, unless specifically noted to the contrary, shall include all labor, materials, water, tools, equipment, light, power, transportation, and any other services required for the completion of the work.
- 01.04 The Contractor shall at all times enforce strict discipline and good order among his employees, and shall seek to avoid employing on the work any unfit person or anyone not skilled in the work assigned to him.

02.00 SUPERINTENDENT

- 02.01 The Contractor shall keep on the work during its progress, in the absence of the Contractor, a competent Superintendent. The Superintendent shall be acceptable to the Engineer and shall fully represent the Contractor. All directions given to the Superintendent shall be binding as if given to the Contractor.

03.00 PRECONSTRUCTION MEETING

- 03.01 A Preconstruction Meeting will be held with the Engineer, Contractor, and any other interested parties prior to commencing any work. The Engineer shall arrange the meeting based on a mutually convenient time.

04.00 PERMITS

- 04.01 All permits, licenses, and fees required for the performance of the Contract work shall be secured and paid for by the Contractor. The local building permit fees will be waived.

05.00 PROPERTY ACCESS

- 05.01 The Contractor shall take all proper precautions to protect from injury or unnecessary interference, and provide proper means of access to abutting property where the existing access is cut off by the Contractor.
- 05.02 The Contractor shall take all proper precautions to protect persons from injury or unnecessary inconvenience and leave an unobstructed way along the public and private places for travelers, vehicles, and access to hydrants.

05.03 The Contractor shall make arrangements with the adjacent property owners for such trespass as he may reasonably anticipate in the performance of the work. All such arrangements shall be reported, in writing, to the Engineer.

06.00 PROTECTION OF THE PUBLIC AND OF WORK AND PROPERTY

06.01 The Contractor shall continuously maintain adequate protection of all work from damage, and shall take all reasonable precautions to protect the Town from injury or loss arising in connection with the Contract.

06.02 The Contractor shall adequately protect adjacent private and public property as provided by law and the Contract Documents.

06.03 The Contractor shall make good any damage, injury, or loss of work and to the property of the Town resulting from lack of reasonable protective precautions.

06.04 The School building involved will be unoccupied during the Summer Break June 13th – August 12th and fully operational after **August 12, 2016**. The Contractor may be required to adjust his work schedule should the work have an adverse impact on operations. There will be no modification of the bid price should a schedule adjustment be required.

07.00 EXISTING IMPROVEMENTS

07.01 The Contractor shall conduct his work so as to minimize damage to existing improvements designated to remain. Except where specifically stated otherwise in the specifications, drawings, or as directed by the Engineer, it will be the responsibility of the Contractor to restore to their original condition, as near as practical, all improvements on public or private property. This shall include:

- a. Property within and adjacent to the work area such as shrubs, walks, driveways, fences, etc.
- b. Utility mains, ducts, poles, and services. The Contractor is hereby notified that utilities, if/where shown on the plans, are at approximate locations. These locations are subject to possible errors in the source of information and errors in transcription. The Contractor shall make certain of the exact location of all mains, ducts, poles, and services prior to excavation.

08.00 SEPARATE CONTRACTS

08.01 The Engineer reserves the right to let other contracts in connection with this work. The Contractor shall afford other contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work, and shall properly connect and coordinate his work with theirs. Wherever work being done by the Town of Glastonbury forces or by other contractors is contiguous to work covered by this Contract, the respective rights of the various interests involved shall be established by the Engineer to secure the completion of the various portions of the work.

09.00 INSPECTION OF WORK

09.01 The Town shall provide sufficient personnel for the inspection of the work.

- 09.02 The Engineer shall at all times have access to the work whenever it is in preparation or progress, and the Contractor shall provide proper facilities for such access and for inspection.
- 09.03 If the specifications or the Engineer's instructions require any work to be specially tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection and, if the inspection is by another authority other than the Engineer, of the date fixed for such inspection. Inspections by the Engineer shall be made promptly. If any work should be covered up without approval or consent of the Engineer, it must, if required by the Engineer, be uncovered for examination and properly restored at the Contractor's expense.
- 09.04 Re-inspection of any work may be ordered by the Engineer. If such work is found to be in accordance with the Contract Documents, the Town shall pay the cost of re-inspection and replacement. If such work is not in accordance with the Contract Documents, the Contractor shall pay such cost.

10.00 RIGHT TO INCREASE OR DECREASE WORK

- 10.01 The Town shall have the right to increase or decrease the amount of work herein specified as may be required.

11.00 RIGHT OF ENGINEER TO STOP WORK FOR WEATHER CONDITIONS

- 11.01 Should the work, in the opinion of the Engineer, be in danger by reason of inclemency of weather, or could not be finished in time to prevent such danger, the Contractor shall cease operations upon order of the Engineer, and shall not resume them until ordered to do so by the Engineer when the weather conditions are favorable. The Contractor shall, upon such orders, discontinue work, remove all materials or appliances for or in use upon the work, and place the premises in proper condition for use by the public during the time the work is suspended as herein provided, without cost to the Town.

12.00 CONTRACTOR TO BE RESPONSIBLE FOR IMPERFECT WORK OR MATERIALS

- 12.01 Any faithful work or imperfect material that may be discovered before the acceptance and the payment of the work shall be corrected upon the order of the Engineer. The acceptance and payment of the work does not in any manner relieve the Contractor of his obligation to construct work in the proper manner and the use of materials herein specified.

13.00 TOWN MAY NOTIFY CONTRACTOR IF WORK IS NOT CARRIED ON SATISFACTORILY

- 13.01 If, in the opinion of the Engineer, the Contractor is not proceeding with the work at a sufficient rate of progress so as to finish in the time specified, or has abandoned said work, or is not complying with the terms and stipulations or the Contract and specifications, the Engineer may serve notice on the Contractor to adopt such methods as will ensure the completion of the work in the time specified.
- 13.02 If, within five days after the Engineer has notified the Contractor that his work is not being carried on satisfactorily as before mentioned, the Engineer shall have the right to annul the Contract and manage the work under the direction of the Engineer, or re-let, for the very best

interest of the Town as a new contract, the work under said new Contract shall be considered the responsibility of the defaulting Contractor.

- 13.03 Additional costs incurred over and above the original Contract shall be borne by the Performance Bond.

14.00 DEDUCTIONS FOR UNCORRECTED WORK

- 14.01 If the Engineer deems it inexpedient to correct work that has been damaged or that was not done in accordance with the Contract, an equitable deduction from the Contract price shall be made there for.

- 14.02 The Contractor shall promptly remove from the premises all materials condemned by the Engineer as failing to meet Contract requirements, whether incorporated in the work or not, and the Contractor shall promptly replace and re-execute his own work in accordance with the Contract and without expense to the Town, and shall bear the expense of making good all work by other contractors destroyed or damaged by such removal or replacement.

- 14.03 If the Contractor does not remove such condemned work and materials as promptly as possible after written notice, the Engineer may remove them and store the materials at the expense of the Contractor.

15.00 CLEANING UP

- 15.01 The Contractor must remove all debris of every description as the work progresses and leave the surroundings in a neat and orderly condition to the satisfaction of the Engineer.

- 15.02 Upon completion, and before acceptance and final payment, the Contractor shall remove from the site all equipment, forms, surplus material, rubbish and miscellaneous debris and leave the site in a neat and presentable condition.

16.00 ROYALTIES AND PATENTS

- 16.01 The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Town of Glastonbury harmless from loss on account hereof, except that the Town of Glastonbury shall be responsible for all such loss when a particular manufacturer, product, or process is specified by the Town of Glastonbury.

17.00 ERRORS OR CONFLICT IN DRAWINGS AND SPECIFICATIONS

- 17.01 The Contractor shall immediately notify the Owner/Engineer should he find any errors or conflicts in the contract documents. The Owner/Engineer shall render his interpretation or instruction in writing on the items as soon as possible.

- 17.02 Any work undertaken by the Contractor containing possible errors or conflicts will be done at his own risk unless he has received prior written approval from the Owner/Engineer.

- 17.03 The Contractor shall be responsible for estimating and supplying all quantities, and where clarification or additional information is required, a request in writing to the Owner/Engineer shall be made. No extra charge or compensation will be allowed the Contractor unless there is a

change in scope or dimension of the project resulting in need for extra material, equipment and/or labor. Said differences are to be handled under Article 18.

18.00 EXTRA WORK AND EXTRA COST

18.01 The Owner, without invalidating the contract documents, may order extra work or make changes by altering, adding to or deducting from the work, the contract price being adjusted accordingly. All such work shall be executed under the conditions of the original contract except that any claim of extension of time caused thereby shall be adjusted at the time of ordering the change.

18.02 No extra work or change shall be performed unless in pursuance of a written order from the Owner/Engineer, with the agreed price prior to the commencement of the work, and no claim for an addition to the contract price shall be valid unless so ordered.

18.03 The value of any such work or change shall be determined, in one or more of the following ways:

- a) By estimate and acceptance on a lump sum.
- b) By unit prices named in the contract or subsequently agreed upon.
- c) By cost and percentage or by cost and a final fee.

19.00 SUBSTITUTIONS

19.01 The Contractor shall use materials as specified unless material list is of an open nature. Material other than specified will be permitted only after written application, including four (4) copies of specifications, is made by the Contractor and written approval received from the Engineer or Owner.

The material installed in the job site shall be new and of the quality specified.

The manufacturer's recommendation shall be followed for the installation of all equipment.

20.00 PRODUCT SUBMITTALS

20.01 Prior to ordering materials, the Contractor shall submit submittals as specified in the detailed specification sections. Three (3) copies of the submittals shall be forwarded to the Engineer for review and approval.

20.02 Submittals shall indicate specification Section for each product. Submittals not containing all the required information shall be returned to the contractor for re-submittal.

21.00 OWNER'S ACCEPTANCE

21.01 Within seven (7) days of the Contractor's notification that the installation is substantially complete, the Owner's authorized representative shall inspect the installation. The Owner, with the Contractor, shall take necessary steps to inspect the installation. Upon completion of the inspection, the Owner or the Owner's authorized representative may either accept the work outright or prepare a "Punch List" that upon completion by the Contractor and acceptance by the Owner will signify final acceptance provided that all other applicable terms and provisions of the Contract have been completed to the Owner's satisfaction.

22.00 RESPONSIBILITY FOR MAINTENANCE

22.01 It will be the Contractor's responsibility to maintain the work as specified in the detailed specifications during the warranty period.

23.00 SERVICE BY THE CONTRACTOR

23.01 The Contractor shall maintain the work as specified during the warranty period.

24.00 WARRANTY

24.01 The guarantee shall be as specified in the respective sections of the specification.

24.02 The Contractor shall be responsible for the repair and/or replacement of all defective work and materials. All repair work shall be completed in a timely fashion.

24.04 Should the Contractor not respond promptly, the Owner may take any action he deems necessary to repair the defect and prevent further damage to his property, including the hiring of another contractor, or the repairing of such a defect with material supplied by the Contractor. In this event, the Contractor shall be liable for expenses incurred and property damages suffered by the Owner.

01.00 NOTICE TO CONTRACTOR

- 01.01 Intent of Contract: The intent of the Contract is to prescribe a complete work or improvement which the Contractor undertakes to do, in full compliance with the specifications, plans, special provisions, proposal and Contract. The Contractor shall perform all work in close conformity with the plans or as modified by written orders, including the furnishing of all materials, supplies, transportation, labor, and all other things necessary to the satisfactory prosecution and completion of the project.

The scope of the work shall include all labor, materials and equipment needed to provide and install, replacement gym floors and associated equipment and materials, complete and ready for use, as described in the plans and specifications for Hopewell School Gym Floor Replacement.

02.00 COMMUNICATIONS

- 02.01 All notices, demands, requests, instructions, approvals, proposals, and claims must be in writing.
- 02.02 Any notice to, or demand upon, the Contractor shall be sufficiently given if delivered at the office of the Contractor stated on the signature page of the Agreement (or at such other office as the Contractor may, from time to time, designate) in a sealed, postage-prepaid envelope or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to such office.
- 02.03 All papers required to be delivered to the Town shall, unless otherwise specified in writing to the Contractor, be delivered to the Building Superintendent, 2143 Main Street, Glastonbury, CT 06033, and any notice to, or demand upon, the Town shall be delivered at the above address in a sealed, postage-prepaid envelope addressed to such office or to such other representatives of the Town, or to such other address as the Town may subsequently specify in writing to the Contractor for such purpose.
- 02.04 Any such notice shall be deemed to have been given as of the time of actual delivery or, in the case of mailing, when the same should have been received in due course of post.

03.00 WORK BY OTHERS

- 03.01 Private utilities, contractors, developers or other parties may be expected to be working within the Contract area during this Contract. It shall be the responsibility of the contractor to coordinate his work with the work being done by others in order that the construction shall proceed in an efficient and logical manner. The Contractor shall have no claim or claims whatever against the Town, the Engineer, or other parties due to delays or other reasons caused by the work by others or his failure to coordinate such work.

04.00 CONTRACTOR'S WORK AND STORAGE AREA

- 04.01 The Contractor shall contact the Town to determine if any specific locations will be designated, or gain its approval prior to using any area for storage of equipment, materials and trailers during the period of this Contract. The Contractor shall confine his work/storage area to the limits as designated or approved and shall be responsible for the security of the work/storage area. Upon completion of the Contract, the Contractor shall remove all equipment and materials, except as

otherwise specified, and restore the site to its original condition as approved by the Engineer and at no cost to the Town.

05.00 DISPOSAL AREA

05.01 The Tryon Street Bulky Waste Facility will be available to the Contractor, at no charge, for disposal of materials that are accepted at that facility. No materials containing lead-based paint of any level shall be dumped at the Tryon Street facility. The Contractor is required to obtain a disposal area for all other unsuitable or surplus materials at no cost to the Town.

06.00 DUST CONTROL

06.01 During the progress of the work, the Contractor shall conduct his operations and maintain the area of his activities so as to minimize the creation and dispersion of dust. If the Engineer decides that it is necessary to use water or calcium chloride for more effective dust control, the Contractor shall furnish and spread the material, as directed, without additional compensation.

07.00 PROTECTION OF EXISTING UTILITIES

07.01 Before starting any excavation, the Contractor shall submit to the Engineer plans or details showing the proposed method the Contractor will use to support and protect all existing utilities during construction. The furnishing of such plans and details shall not serve to relieve the Contractor of any responsibility for the proper conduct of the work.

07.02 There will be no extra payment for submitting plans or details for supporting and protecting all existing utilities during construction.

08.00 TIME FOR COMPLETION/NOTICE TO PROCEED

08.01 Within five (5) days after the date of the Notice of Award, the Contractor must provide the appropriate insurance certificates to the Town Purchasing Agent and shall be issued a Notice to Proceed and a Purchase Order prior to initiating any work on the project.

08.02 Work shall commence within twenty (20) days of the date of the Notice to Proceed/Purchase Order or when the school recesses for Summer Break, whichever comes first.

08.03 After the work has begun, it will continue in an orderly fashion and shall be fully completed within 61 consecutive days from the date of commencement. The Engineer reserves the right to extend the contract an additional thirty (30) days by mutual written agreement.

08.04 Weather permitting, it is the intention of the Town to have all work required under this Contract completed no later than August 12, 2016. In no case, however, shall the work be completed any later than September 12, 2016.

08.05 Because the facilities may remain open during the installation period, the Contractor shall make every reasonable effort to complete the installation as expeditiously as possible. Any work after August 15, 2016 will have to be performed as the building use schedule allows.

09.00 MEASUREMENT AND PAYMENT

09.01 All direct, indirect, or incidental costs of work and/or services required by these specifications shall be included in the Lump Sum price.

09.02 Monthly progress payments will be made, based on the approved Schedule of Values, for work that has progressed in accordance with the contract documents, subject to a deduction of five percent (5%) of the amount of the application for payment to be retained by the Owner until completion of the entire contract in an acceptable manner and two and one half percent (2.5%) until the applicable one year warranty period has expired and all required inspections have been completed and results have been submitted and approved by the Engineer.

10.00 COMPLIANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REQUIREMENTS

10.01 This award of bid is subject to the conformance of the Contractor to all Federal, State, and Local laws, statutes, regulations, ordinances or other requirements that are applicable to the type of work contained in these specifications.

11.00 CONTRACTOR COMPLIANCE FORM

11.01 All contractors performing work on school property will be required to complete and submit, for approval, the "Contractor Compliance Form" issued by the Glastonbury Public Schools. A copy is provided as part of this document. (CC 1-23)

INSURANCE

The Bidder shall, at its own expense and cost, obtain and keep in force during the entire duration of the Project or Work the following insurance coverage covering the Bidder and all of its agents, employees and sub-contractors and other providers of services and shall name the **Town and Board of Education, their employees and agents as an Additional Insured** on a primary and non-contributory basis to the Bidders Commercial General Liability and Automobile Liability policies. **These requirements shall be clearly stated in the remarks section on the Bidders Certificate of Insurance.** Insurance shall be written with Carriers approved in the State of Connecticut and with a minimum Best's Rating of A-VIII. In addition, all Carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

1) Worker's Compensation Insurance:

- Statutory Coverage
- Employer's Liability
- \$500,000 each accident/\$500,000 disease-policy limit/\$500,000 disease each employee
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and Board of Education, their employees and agents.

2) Commercial General Liability:

- Including Premises & Operations, Products and Completed Operations, Personal and Advertising Injury, Contractual Liability and Independent Contractors.
- Limits of Liability for Bodily Injury and Property Damage
Each Occurrence \$1,000,000
Aggregate \$2,000,000 (The Aggregate Limit shall apply separately to each job.)
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and Board of Education, their employees and agents.

3) Automobile Insurance:

- Including all owned, hired, borrowed and non-owned vehicles
- Limit of Liability for Bodily Injury and Property Damage:
Per Accident \$1,000,000
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and Board of Education, their employees and agents.

The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Contractor shall be responsible to notify the Town 60 days in advance with written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage including the Additional Insured and Waiver of Subrogation. The Bidder shall provide the Town copies of any such policies upon request.

INDEMNIFICATION

To the fullest extent permitted by law, the Bidder shall indemnify and hold harmless the Town and Board of Education and their consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) to the extent arising out of or resulting from the performance of the Bidder's work, provided that such claim, damage, loss or expense is caused in whole or in part by any negligent act or omission by the Bidder, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Bidder to perform or furnish either of the services, or anyone for whose acts the Bidder may be liable.

ATTENTION CONTRACTOR

- APPROVED FORM FOR YOUR FILES-NOTE ANY COMMENTS BOTTOM OF PAGE 2 - APPROVAL REQUIREMENTS
 APPLICATION DENIED-SEE BOTTOM PAGE 2

GLASTONBURY PUBLIC SCHOOLS

OFFICE OF DISTRICT SAFETY OFFICER

Dr. Kenneth R. Roy
 Director of Environmental Health & Safety
 330 Hubbard St.
 Glastonbury, CT 06033-3099

Telephone: (860) 652-7200 Ext. 2002
 Fax: (860) 652-7275
 E-mail: royk@glastonburyus.org

CONTRACTOR COMPLIANCE FORM

Notice to Contractors:

In concert with, but not limited to, all OSHA General Industry and Construction standards, EPA, NFPA, AHERA, and building codes, contractors conducting work activities at/on any Glastonbury Public School District property are required to provide the following information:

**NOTICE: THIS FORM MUST BE COMPLETED AND APPROVED
3 DAYS PRIOR TO COMMENCING ANY OPERATIONS**

Once approved, the form will be returned to the originator. Approval is conditional relative to noted specifications by GPS Safety Officer/Director of Environmental Health and Safety.

1. Project Information:

Project Description:		
Location:		
Start Date:	Completion Date:	
Contractor Safety Officer	Phone:	Fax: Email:

Permit Prepared By:

Date Prepared:

Project Scope	Yes	No	Comments
Confined Spaces*	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical Work**	<input type="checkbox"/>	<input type="checkbox"/>	
Forklift	<input type="checkbox"/>	<input type="checkbox"/>	
Hazardous Materials	<input type="checkbox"/>	<input type="checkbox"/>	
Ladders/Scaffolds	<input type="checkbox"/>	<input type="checkbox"/>	
Respirators	<input type="checkbox"/>	<input type="checkbox"/>	
Rigging/Lifting	<input type="checkbox"/>	<input type="checkbox"/>	
Welding***	<input type="checkbox"/>	<input type="checkbox"/>	
Asbestos Management****	<input type="checkbox"/>	<input type="checkbox"/>	
Other	<input type="checkbox"/>	<input type="checkbox"/>	

- * Contractors need to secure, complete and submit a "Confined Space Permit" from the Director of Environmental Health and Safety for approval **3 days PRIOR** to doing any work in a Permit Required Confined Space Area.
 ** Contractors need to secure, complete and submit an "energized Electrical Work Permit" from the Director of Environmental Health and Safety for approval **3 days PRIOR** to doing any energized electrical work.
 *** Contractors are required to secure, complete and submit a "Hot Work Permit" from the Director of Environmental Health and Safety for approval **3 days PRIOR** to doing any hot work (e.g. welding, etc.)
 **** Contractors need to secure the Asbestos Management Plan form the Director of Facilities prior to all construction/demolition work.

2. Provide district safety officer with Material Safety Data Sheets (MSDS) for all materials used on-site.

LIST EITHER CHEMICAL OR TRADE NAME OF EACH ATTACHED MSD SHEET BELOW	

3. In cases of hazardous waste production, a written disposal plan must be provided to and approved by the District Safety Director, 5 days prior to initiation of work for those materials disposed of on site.
4. All contractors and/or their personnel are required **to be in compliance with all EPA, NFPA, AHERA and OSHA and other appropriate safety standards** when working on site (under the direction of a contractor’s project supervisor).
5. All on-site activities carried out by contractors, and/or their employees, must be done in such a manner as to **maintain a safe working environment** for all Glastonbury Public Schools’ employees, students and visitors.
6. Contractor employees found to be in non-compliance **may be removed from the District worksite** by the District Safety Officer.
7. Contractors found to be in non-compliance will be subject to **forfeiture of payment and/or contract termination**.
8. The district reserves the right to inspect the worksite **at any time** for safety compliance.
9. The district may require review of a contractors OSHA 200/300 log for a period of three (3) previous years.

Please type company name and address below

	RETURN TO: Dr. Kenneth Roy, Safety Compliance Officer E-mail: royk@glastonburyus.org
--	---

By signature, the contractor agrees to adhere to all components and the spirit of this document.

Signature of Contractor	Title	Date

<p>INTERNAL USE ONLY</p> <p>APPROVAL STATUS: <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>GPS Safety Officer: _____ Date: _____</p> <p>c: <input type="checkbox"/> Maintenance Office File <input type="checkbox"/> Contractor <input type="checkbox"/> Safety Officer Roy <input type="checkbox"/> Building Principal/Supervisor <input type="checkbox"/> (Other) <input type="checkbox"/> (Other)</p>	<p>NOTE TO CONTRACTOR: APPROVAL CONTINGENT ON THE FOLLOWING ITEMS:</p>
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(revised 8/11)



TOWN OF GLASTONBURY * 2155 MAIN STREET * GLASTONBURY * CT

BID / PROPOSAL NO: GL-2017-02 DATE DUE: 06-16-16

DATE ADVERTISED: 06-06-16 TIME DUE: 11:00 AM

NAME OF PROJECT: Gymnasium Floor Replacement – Hopewell School

In compliance with this Invitation to Bid, the Bidder hereby proposes to provide goods and/or services as per this solicitation in strict accordance with the Bid Documents, within the time set forth therein, and at the prices submitted with their bid response.

It is the responsibility of the Bidder to clearly mark the outside of the bid envelope with the Bid Number, Date and Time of Bid Opening, and it also **THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN’S WEBSITE BEFORE SUBMITTING BID FOR ADDENDA POSTED PRIOR TO BID OPENING.**

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDA AS REQUIRED:

Addendum #1 _____ (Initial/Date) Addendum #2 _____ (Initial/Date) Addendum #3 _____ (Initial/Date)

Other Items Required with Submission of Bid Proposal:

The following bid checklist describes items required for inclusion with the above-referenced bid proposal package. It is provided for the convenience of the bidders and, therefore, should not be assumed to be a complete list.

- _____ Bid Bond (10% of total bid amount).
- _____ List of five (5) similar projects completed within last three (3) years.
- _____ Acknowledgement of Addendums in Bid Proposal (as applicable).
- _____ Acknowledgement of Code of Ethics in Bid Proposal.
- _____ Sealed bids, one original and one copy.
- _____ Disclosure of past and pending mediation, arbitration and litigation cases that the Bidder or its principals have been involved in for the most recent five years (if applicable).
- _____ Copy of Bidder’s Contractor’s License (State of Connecticut).

It is the responsibility of the Respondent to clearly mark the outside of the bid envelope with the Bid Number, Date and Time of Bid Opening, Company Name and Address. It also THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN’S WEBSITE BEFORE SUBMITTING BID FOR ADDENDUMS POSTED PRIOR TO BID OPENING.

Name of Bidder: _____

TOTAL LUMP SUM BID WITHOUT PREVAILING WAGE RATES:

Furnish and install Replacement Gym Floor at Hopewell School Gymnasium as specified in the Plans and Spec's for Bid GL-2017-02.

\$ _____
(NUMERIC BID AMOUNT)

\$ _____
(WRITTEN BID AMOUNT)

TOTAL LUMP SUM BID WITH PREVAILING WAGE RATES:

Furnish and install Replacement Gym Floor at Hopewell School Gymnasium as specified in the Plans and Spec's for Bid GL-2017-02.

\$ _____
(NUMERIC BID AMOUNT)

\$ _____
(WRITTEN BID AMOUNT)

Important: Incomplete bids will result in disqualification of the Bidder.

UNIT PRICING: Unit pricing shall include of all materials, all direct or indirect expenses of the Contractor or Sub-Contractor, profit, insurance bonding and any applicable taxes. The same unit price shall apply whether the work is added or deducted.

- 1 Polyurethane rubber flooring (all layers to bare concrete), removal and disposal. \$ _____ per square foot
- 2 Installed new flooring product including moisture barrier. \$ _____ per square foot

NON-COLLUSION STATEMENT:

By submission of this bid, the Bidder certifies, and in the case of a joint bid each party thereto certifies as to their own organization that this bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.

CODE OF ETHICS:

I/We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I/We are selected. Yes _____ No _____*

*Bidder is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any bid or proposal where the Bidder has not agreed to the above statement.

Respectfully submitted:

Print Name, Title of Individual

Doing Business as (Trade Name)

Signature of Individual

Street Address

Date

City, State, Zip Code

E:mail Address

Telephone Number / Fax Number

SCHOOL YEAR AT A GLANCE

2015



2016

SCHOOL BEGINS: AUG 26 Grs. 7-12
SCHOOL BEGINS: AUG 27 Grs. K-6

M	T	W	TH	F
AUGUST 2015 <small>Gr. 7-12 4 Days Gr. K-6 3 Days</small>				
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28
31				

SEPTEMBER 2015 19 DAYS				
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

OCTOBER 2015 21 DAYS				
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

NOVEMBER 2015 18 DAYS				
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30				

DECEMBER 2015 17 DAYS				
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	

JANUARY 2016 <small>Gr 7-12 18 DAYS Gr. K-6 19 DAYS</small>				
			1	
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

AUG 24	Teacher Work Day-Convocation
AUG 25	Teacher Professional Development
■ AUG 26	FIRST DAY OF SCHOOL, GRADES 7-12 Teacher Work Day, Grades K-6
■ AUG 27	FIRST DAY OF SCHOOL, GRADES K-6 FULL DAY
SEPT 7	Labor Day
SEPT 14	Rosh Hashanah
SEPT 23	Yom Kippur
OCT 12	Columbus Day
NOV 3	Election Day - No School for Students
NOV 25	Early Dismissal
NOV 26-27	Thanksgiving Recess
DEC 24-	Holiday Recess
JAN 1	(Includes New Year's Day)
JAN 18	Martin Luther King Day
JAN 14-20	Grades 7-12: Mid-Term Exams (Early Dismissal Grades 9-12 only)
■ JAN 21	Gr. 7-12 No School for Students Teacher Work Day, Grades 7-12
FEB 15-16	Winter Recess (Includes Presidents' Day)
MARCH 25	Good Friday
APR 18-22	Spring Recess
MAY 30	Memorial Day
Last 4 Days	Final Exams, Grades 7-12 (Early Dismissal Grades 7-12)
Last Day	Projected Last Day – June 7 Early Dismissal Grades K-12
	Projected Teacher Work Day – June 8 Teacher Work Day will be the first work day following the last day for students.
■	SCHOOL CLOSED

Projected Last Day – June 7, 2016

M	T	W	TH	F
19 DAYS FEBRUARY 2016				
	1	2	3	4
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29				

22 DAYS MARCH 2016				
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	

16 DAYS APRIL 2016				
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

21 DAYS MAY 2016				
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30	31			

5 DAYS JUNE 2016				
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	

***SCHOOL ENDS JUNE 7**

*If weather or other emergencies require the closing of school, the lost days will be made up by extending the school year in June up to 13 days.
If additional days are needed, they will be taken from the Spring Recess, beginning April 18.

SCHOOL YEAR AT A GLANCE



2016

2017

SCHOOL BEGINS: AUG 31 Grs. 7-12
SCHOOL BEGINS: SEPT 1 Grs. K-6

M	T	W	TH	F
AUGUST 2016 <small>Gr. 7-12 1 Day Gr. K-6 0 Days</small>				
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

SEPTEMBER 2016 21 DAYS				
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

OCTOBER 2016 18 DAYS				
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28
31				

NOVEMBER 2016 19 DAYS				
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

DECEMBER 2016 17 DAYS				
		1	2	
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

JANUARY 2017 <small>Gr 7-12 19 DAYS Gr. K-6 20 DAYS</small>				
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30	31			

AUG 29	Teacher Work Day-Convocation
AUG 30	Teacher Professional Development
<input type="checkbox"/> AUG 31	FIRST DAY OF SCHOOL, GRADES 7-12 Teacher Work Day, Grades K-6
<input type="checkbox"/> SEPT 1	FIRST DAY OF SCHOOL, GRADES K-6 FULL DAY
SEPT 5	Labor Day
OCT 3	Rosh Hashanah
OCT 10	Columbus Day
OCT 12	Yom Kippur
NOV 8	Election Day - No School for Students
NOV 23	Early Dismissal
NOV 24-25	Thanksgiving Recess
DEC 26- JAN 2	Holiday Recess (Includes New Year's Day)
JAN 16	Martin Luther King Day
JAN 19-24	Grades 7-12: Mid-Term Exams (Early Dismissal Grades 9-12 only)
<input type="checkbox"/> JAN 25	Gr. 7-12 No School for Students Teacher Work Day, Grades 7-12
FEB 20	Presidents' Day
FEB 21	Winter Recess
APR 10-14	Spring Recess (includes Good Friday)
MAY 29	Memorial Day
Last 4 Days	Final Exams, Grades 7-12 (Early Dismissal Grades 7-12)
Last Day	Projected Last Day – June 9 Early Dismissal Grades K-12
	Projected Teacher Work Day – June 12 Teacher Work Day will be the first work day following the last day for students.
<input type="checkbox"/>	SCHOOL CLOSED

Projected Last Day – June 9

M	T	W	TH	F
18 DAYS FEBRUARY 2017				
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28			

23 DAYS MARCH 2017				
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

15 DAYS APRIL 2017				
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28

22 DAYS MAY 2017				
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

8 DAYS JUNE 2017				
		1	2	
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

***SCHOOL ENDS JUNE 9**

*If weather or other emergencies require the closing of school, the lost days will be made up by extending the school year in June up to 10 days.
If additional days are needed, they will be taken from the Spring Recess, beginning April 10.

Project: Hopewell School Gym Floor Replacement

**Minimum Rates and Classifications
for Building Construction**

ID# : B 22252

**Connecticut Department of Labor
Wage and Workplace Standards Division**

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: GL-2017-02

Project Town: Glastonbury

State#:

FAP#:

Project: Hopewell School Gym Floor Replacement

CLASSIFICATION	Hourly Rate	Benefits
1a) Asbestos Worker/Insulator (Includes application of insulating materials, protective coverings, coatings, & finishes to all types of mechanical systems; application of firestopping material for wall openings & penetrations in walls, floors, ceilings	35.75	28.82
<hr/>		
1b) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters.**See Laborers Group 7**		
<hr/>		
1c) Asbestos Worker/Heat and Frost Insulator	37.15	27.56

As of: **Thursday, June 02, 2016**

Project: Hopewell School Gym Floor Replacement

2) Boilermaker	35.24	25.01
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3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	33.48	29.16 + a
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3b) Tile Setter	34.30	24.15
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3c) Terrazzo Mechanics and Marble Setters	31.69	22.35
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3d) Tile, Marble & Terrazzo Finishers	26.43	20.59
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3e) Plasterer	33.48	29.16
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As of: **Thursday, June 02, 2016**

Project: Hopewell School Gym Floor Replacement

-----LABORERS-----

4) Group 1: Laborers (common or general), acetylene burners, carpenter tenders, concrete specialists, wrecking laborers, fire watchers.	28.55	18.90 + a
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4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofers/mixer/nozzlemans (Person running mixer and spraying fireproof only).	28.80	18.90 + a
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4b) Group 3: Jackhammer operators/pavement breaker, mason tender (brick), mason tender (cement/concrete), forklift operators and forklift operators (masonry).	29.05	18.90 + a
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4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew whose primary task is to actually perform the mating of pipe sections) P6 and P7 rate is \$26.80.	28.80	18.90 + a
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4d) Group 5: Air track operator, sand blaster and hydraulic drills.	29.30	18.90 + a
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Project: Hopewell School Gym Floor Replacement

4e) Group 6: Blasters, nuclear and toxic waste removal. 31.55 18.90 + a

4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped). 29.55 18.90 + a

4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew. 28.38 18.90 + a

4h) Group 9: Top men on open air caisson, cylindrical work and boring crew. 27.86 18.90 + a

4i) Group 10: Traffic Control Signalman 16.00 18.90 + a

5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers. 31.45 23.54

Project: Hopewell School Gym Floor Replacement

5a) Millwrights 31.84 23.99

6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9) 38.20 23.72+3% of gross wage

7a) Elevator Mechanic (Trade License required: R-1,2,5,6) 49.00 29.985+a+b

-----LINE CONSTRUCTION-----

Groundman 24.99 6.25%+11.81

Linemen/Cable Splicer 45.43 6.25%+20.70

Project: Hopewell School Gym Floor Replacement

8) Glazier (Trade License required: FG-1,2)	35.08	19.35 + a
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9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	34.47	31.09 + a
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----OPERATORS----

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer 2 drums or over, front end loader (7 cubic yards or over), work boat 26 ft. and over and Tunnel Boring Machines. (Trade License Required)	38.55	23.55 + a
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Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	38.23	23.55 + a
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Group 3: Excavator; Backhoe/Excavator under 2 cubic yards; Cranes (under 100 ton rated capacity), Grader/Blade; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade. (slopes, shaping, laser or GPS, etc.). (Trade License Required)	37.49	23.55 + a
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Project: Hopewell School Gym Floor Replacement

Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper).	37.10	23.55 + a
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Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	36.51	23.55 + a
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Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller; Pile Testing Machine.	36.51	23.55 + a
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Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	36.20	23.55 + a
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Group 7: Asphalt roller, concrete saws and cutters (ride on types), vermeer concrete cutter, Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under Mandrell).	35.86	23.55 + a
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Group 8: Mechanic, grease truck operator, hydroblaster; barrier mover; power stone spreader; welding; work boat under 26 ft.; transfer machine.	35.46	23.55 + a
---	-------	-----------

As of: Thursday, June 02, 2016

Project: Hopewell School Gym Floor Replacement

Group 9: Front end loader (under 3 cubic yards), skid steer loader regardless of attachments, (Bobcat or Similar): forklift, power chipper; landscape equipment (including Hydroseeder).	35.03	23.55 + a
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Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	32.99	23.55 + a
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Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	32.99	23.55 + a
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Group 12: Wellpoint operator.	32.93	23.55 + a
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Group 13: Compressor battery operator.	32.35	23.55 + a
--	-------	-----------

Group 14: Elevator operator; tow motor operator (solid tire no rough terrain).	31.21	23.55 + a
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As of: Thursday, June 02, 2016

Project: Hopewell School Gym Floor Replacement

Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	30.80	23.55 + a
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Group 16: Maintenance Engineer/Oiler.	30.15	23.55 + a
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Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	34.46	23.55 + a
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Group 18: Power safety boat; vacuum truck; zim mixer; sweeper; (Minimum for any job requiring a CDL license).	32.04	23.55 + a
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-----PAINTERS (Including Drywall Finishing)-----

10a) Brush and Roller	31.52	19.35
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Project: Hopewell School Gym Floor Replacement

10b) Taping Only/Drywall Finishing	32.27	19.35
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10c) Paperhanger and Red Label	32.02	19.35
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10e) Blast and Spray	34.52	19.35
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11) Plumber (excluding HVAC pipe installation) (Trade License required: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2)	40.62	28.91
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12) Well Digger, Pile Testing Machine	33.01	19.40 + a
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13) Roofer (composition)	34.12	18.58
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Project: Hopewell School Gym Floor Replacement

14) Roofer (slate & tile)	34.62	18.58
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15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	35.74	33.22
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16) Pipefitter (Including HVAC work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4, G-1, G-2, G-8 & G-9)	40.62	28.91
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-----TRUCK DRIVERS-----

17a) 2 Axle	28.83	21.39 + a
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17b) 3 Axle, 2 Axle Ready Mix	28.93	21.39 + a
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17c) 3 Axle Ready Mix	28.98	21.39 + a
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17d) 4 Axle, Heavy Duty Trailer up to 40 tons	29.03	21.39 + a
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17e) 4 Axle Ready Mix	29.08	21.39 + a
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17f) Heavy Duty Trailer (40 Tons and Over)	29.28	21.39 + a
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17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	29.08	21.39 + a
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18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	41.37	20.77 + a
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19) Theatrical Stage Journeyman	25.76	7.34
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Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.*

***Note: Hazardous waste premium \$3.00 per hour over classified rate*

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$3.00 premium in addition to the hourly wage rate and benefit contributions:

1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)

2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson

3) Cranes (under 100 ton rated capacity)

Crane with 150 ft. boom (including jib) - \$1.50 extra

Crane with 200 ft. boom (including jib) - \$2.50 extra

Crane with 250 ft. boom (including jib) - \$5.00 extra

Crane with 300 ft. boom (including jib) - \$7.00 extra

Crane with 400 ft. boom (including jib) - \$10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of each apprentice in a specific trade.

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol. For those without internet access, please contact the division listed below.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

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Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

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

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: Thursday, June 02, 2016

Section 09 96 66

Water Vapor Emission Control Systems

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings, documents, and general provisions of the Contract, including, but not necessarily limited to, General Conditions and Division 1 Specification Sections, apply to this Section.
- B. Related Sections- Coordinate work of this Section with work of other Sections to properly execute the work requirements and maintain satisfactory progress of work in other Sections.
 - 1. Section 03 06 30: Cast-In Place Concrete Installation and curing requirements according to ACI 302.
 - 2. Section 09 62 00: Specialty Flooring, Installation requirement.
 - 3. Section 09 64 00: Wood Flooring, Installation requirement.
 - 4. Section 09 65 00: Resilient Flooring, rubber sheet and vinyl tile installation requirements.
 - 5. Section 09 65 36: Static Control Flooring, Installation requirements.
 - 6. Section 09 67 00: Fluid Applied Flooring, Installation requirements.
 - 7. Section 09 68 00: Carpet, Installation requirements.

1.2 SUMMARY

- A. This Section includes the furnishing, testing, and application of systems for the reduction of moisture vapor transmission and alkalinity control for Interior concrete slabs requiring the installation of VCT, vinyl flooring, rubber flooring, wood, carpet, and/or epoxy flooring systems.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the requirements and Conditions of the Contract in Division 1. Specification Sections.
- B. Product data for each type of product and process specified which shall include:
 - 1. Manufacturer's Specification
 - 2. Installation Instructions
 - 3. Independent Test Data
 - 4. Certification Requirements
 - 5. Warranty Information
- C. Submit anhydrous calcium chloride testing according to ASTM F 1869 (latest revision) and/or RH Probe Test according to ASTM F 2170 (latest revision). Tests shall be performed by the Independent Inspector and results provided to the Architect, Owner, General Contractor, and Water Vapor Reduction System Manufacturer's Representative.

1.4 QUALITY ASSURANCE

- A. Qualifications of Applicator
 - 1. Employ an Applicator currently approved by the manufacturer, experienced in surface preparation and application of the material and subject to inspection of the manufacturer.
- B. Manufacturer's Qualifications
 - 1. Manufacturer shall have no less than ten (10) years experience in manufacturing water vapor reduction systems. The water vapor reduction system must be specifically formulated and marketed for water vapor reduction and alkalinity control without change of system design for a minimum period of five (5) years.
 - 2. Manufacturer shall provide the Owner with their standard ten (15) year warranty at no additional cost. Applicator of water vapor reduction system shall provide standard installation warranty for workmanship.
 - 3. Manufacturer must provide independent lab test reports documenting performance per the following:
 - a. ASTM E 96, Water Vapor Transmission (wet method) Performance shall be documented by an independent testing laboratory at a minimum of 97% water vapor transmission reduction compared to untreated concrete.
 - b. ASTM E96- Perm Rating - Standard Test Method for Water Vapor Transmission of Materials - Perm Rate results must not exceed 0.1 Perms (when tested under laboratory conditions).

- c. ASTM D 1308; Insensitivity to alkaline environment up to, and including, pH 14. A 14 day test is required with no degradation of sample reported.
- d. Certify acceptance and exposure to continuous topical water exposure after final cure.

4. Submit list of product use and performance history, for the same formulation and system design, listing reference sources for at least 3 projects dating back for a minimum of 5 years.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver products to the job site in their original unopened containers, clearly labeled with the manufacturer's name and brand designation.
- B. Store products in an approved ventilated dry area; protect from dampness, freezing, and direct sun light. Product should not be stored in areas with temperatures in excess of 90° F or below 50° F.
- C. Handle product in a manner that will prevent breakage of containers and damage products.

1.6 PROJECT/SITE CONDITIONS

A. ENVIRONMENTAL CONDITIONS

- 1. Do not apply moisture vapor reduction system to surfaces that may be exposed to excessive weather conditions (such as rain, wind, etc) until the material has fully cured, or when water is accumulated on the surface of the concrete. Protect freshly applied coating accordingly when material is applied outdoors.
- 2. Do not apply water vapor reduction system when temperature is lower than 50°F or expected to fall below this temperature within 24 hours from time of application.

B. **PROTECTION:** Protect water vapor reduction system to prevent damage from active rain or topical water for a minimum period of 24 hours from time of application.

1.7 SCHEDULING

- A. Before installation of VCT, sheet vinyl, rubber flooring, wood, carpet and/or epoxy flooring systems over the interior concrete slabs, anhydrous calcium chloride testing ASTM F 1869 (latest revision) and/or RH Probe Tests ASTM F 2170 shall be performed by the Independent Inspector as outlined In Article 3.1 below.
- B. The Independent Inspector will coordinate with the Owner scheduling water vapor reduction system testing and allowing enough time to test, submit and install the water vapor reduction system before installation of floor finish.
- C. The Independent Inspector will allow for as much time as is reasonable for the concrete slab to dry before installing anhydrous calcium chloride tests and/or RH Probe Tests. All mastics, glues, and/or contaminants shall be removed to provide a clean, sound, concrete substrate prior to installing anhydrous calcium chloride tests as per ASTM F 1869 (latest revision).
- D. The water vapor reduction system must allow installation as early as 7 days after concrete placement.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Water vapor reduction system, which may be incorporated in the work, shall be the product of a single manufacturer, no substitutions. Manufacturer's offering approved products:

- 1. KOSTER VAP I® 2000 System by KOSTER American Corporation;
Corporate Headquarters: 2585 Aviator Drive, Virginia Beach, VA 23453
Phone: (757) 425-1206 - Fax: (757) 425-9951
Web address: www.kosterusa.com

B. Terminology hereafter is based upon the products of KOSTER American Corporation.

2.2 MATERIALS

A. General: Use materials of one manufacturer throughout the project as hereinafter specified.

- 1. System consists of one (1) coat of KOSTER VAP I® 2000. The Owner shall specify a floor covering system and adhesive

having the ability to withstand water vapor transmission levels up to 3lbs/1000 ft²/24 hr. The water vapor reduction system shall be required to reduce water vapor emissions by a minimum of 97% after final cure, as well as alkalinity reduction to acceptable pH levels.

B. 100% solids KOSTER VAP I[®] 2000 epoxy coating, containing specifically formulated chemicals and resins to provide the following characteristics and properties in a one coat system. No multi-coat systems are allowed. System must contain 100% solid epoxy system.

1. ASTM E 96, Water Vapor Transmission (wet method) Performance shall be documented by an independent testing laboratory at a minimum 97% for water vapor transmission reduction compared to untreated concrete.
2. ASTM E 96 Permeance Rating – product cannot exceed a 0.1 permeance rating (when tested under laboratory conditions).
3. ASTM D 1308; Insensitivity to alkaline environment up to, and including, pH 14 in a bath test.
4. Certify acceptance and exposure to continuous topical water exposure after final cure.
5. Water Vapor reduction system shall be a single coat, stand alone system with no requirements for additional components such as sand broadcast for adhesion of flooring systems.
6. System must reduce Calcium Chloride readings of up to 25lbs/1000 ft²/24 hrs by 97% in one coat. System must be able to perform as required with RH Probe readings of 100%.

C. KOSTER VAP I[®] 06 Primer –(non-porous substrate primer)

2.3 AREA NOT REQUIRING VAPOR REDUCTION SYSTEM

A. Anhydrous calcium chloride testing and/or RH Probe Tests performed by the Independent Inspector for interior concrete slab areas receiving VCT, sheet vinyl, rubber flooring, wood, carpet, and or epoxy flooring systems will determine where this system may be required. Water vapor reduction system may be required on concrete floors with water vapor transmission level in excess of 3 lbs/1000 ft²/24 hr or 5 lbs/1000 ft²/24 hr for some specific flooring systems (verify with flooring system manufacturer.) RH Probe Test results of 75% or higher requires the installation of the vapor reduction system.

B. Water vapor reduction system is not required on interior concrete slabs without floor finishes.

PART 3 – EXECUTION

3.1 EXAMINATION OF SUBSTRATE BEFORE APPLICATION

A. Calcium Chloride and/or RH Probe test requirements:

1. Anhydrous calcium chloride testing shall be performed by the Independent Inspector as outlined in Section 01410 - Quality Requirements.
2. Provide anhydrous calcium chloride tests according ASTM F 1869 (latest revision) protocols. Provide RH Probe Tests according to ASTM F 2170 protocols.
3. Only conduct calcium chloride tests at the same temperature and humidity expected during normal use. If this is not possible, then the test conditions should be 75°F +/-10°F and 50% (+/-10%) relative humidity. Maintain these conditions 48 hours prior to and during testing. Water vapor transmission levels are directly affected by ambient room temperature and readings conducted without a sustained ambient temperature are NOT acceptable.
4. The Independent Inspector shall provide test results with a marked up floor finish plan showing test results. The Independent Inspector shall provide a written clarification on status of the ambient air temperature and humidity before and during the testing procedures.

B. Testing for contaminants that inhibit adhesion

1. On existing slabs (primarily), testing for concrete deficiencies and contaminates such as un-reacted water-soluble silicates, chlorides, A.S.R. (alkali-silica reaction), oil contamination, etc. is strongly recommended by KOSTER to avoid bonding issues. These conditions may cause bonding concerns with all epoxy and finished floor coatings, including the KOSTER VAP I[®] 2000. This testing should be performed by the owner's independent testing agency using standard coring methods. Also, the history of the slab installation should be reviewed. Concrete should conform to ACI Committee 201 Report "Guide to Durable Concrete."

C. Testing adhesion of the final flooring to the vapor barrier:

1. The Independent Inspector shall verify proper adhesion of flooring adhesives, coatings, and leveling compounds to the final vapor reduction coating system for acceptability. Contact Manufacturer's Representatives for recommendations.

3.2 PREPARATION

- A. Inspect all surfaces with regard to their suitability to receive moisture vapor reduction system with manufacturer's representative.
- B. Clean all surfaces to receive moisture vapor reduction system. Shot blast all floors to a Concrete Surface Profile (CSP) #3 or #4 and clean surfaces with an industrial vacuum cleaner and remove all residues from the substrate. Grinding is allowed only in areas not accessible by shot blasting. Remove ALL defective materials, and foreign matter such as dust, adhesives, leveling compounds, paint, dirt, floor hardeners, bond breakers, oil, grease, curing agents, form release agents, efflorescence, laitance, shot blast beads, etc. Repair all cracks, expansion joints, control joints, and open surface honeycombs and fill in accordance with Manufacturer's recommendations. If concrete additives such as chlorides or any other water-soluble compounds that may contaminate surfaces have been used in the concrete mix do not use this product on that floor without written approval from KOSTER American Corporation. Reinforcing fibers that are visible after shot blasting must be removed and vacuumed leaving no fibers left on the concrete surfaces. **Provide an uncontaminated, sound surface. DO NOT ACID ETCH!**
- C. Repair concrete prior to moisture vapor reduction system installation by using KOSTER SB Bonding Emulsion with approved concrete repair materials. Comply with all requirements as listed in Manufacturer's technical data information. Consult with vapor reduction manufacturer.
- D. Ensure surfaces to be treated with moisture vapor reduction system have NOT previously been treated with other materials such as underlayments, screeds, penetrating sealants, silicates, etc. If this is the case, consult with the Manufacturer's Representative prior to any application of moisture vapor reduction system.
- E. Any testing for concrete deficiencies or contamination such as alkali silica reaction, unreacted silicates, organic residue, etc. is recommended and is the responsibility of the Building owner.
- F. Shot blast a small test area and review surface profile with the finished flooring applicator. As the KOSTER VAP I[®] 2000 is not a leveling material, make sure the flooring installer is aware that a feather finish or leveling material may be required to smoothen or level the surface of the KOSTER VAP I[®] 2000 treated concrete prior to the flooring installation.

3.3 MIXING

- A. Use clean containers and mix thoroughly as per Manufacturer's requirements to obtain a homogeneous mixture. Use a low speed motor less than 400 rpm and a two bladed Jiffy-type mixing blade only. DO NOT AERATE. Mix ratios are measured by volume.
- B. KOSTER VAP I[®] 2000 Mix Ratio: Mix Component A and B at a ratio of 2.4:1 by volume.

3.4 APPLICATION

A. KOSTER VAP I[®] 2000 System Application:

The coverage rates for this Single Coat system depends on the surface profile and porosity of the concrete substrate as well as the measured level of moisture, from Section 3.1 Examination. On average, a coverage rate of 100-150 ft²/gal. may be expected. (See additional application instructions in KOSTER technical data sheets for specific coverage rates.)

- B. After mixing, pour material on the substrate in a ribbon. Empty can completely.
- C. Spread KOSTER VAP I[®] 2000 using a squeegee and back-roll with a 3/8 inch nap epoxy-rated roller leaving NO areas untreated.
- D. Allow to cure a minimum of 12 hours before installing flooring system.
- E. After shot blasting and installation of the KOSTER VAP I[®] 2000 vapor reduction system, a self-leveling cementitious underlayment system or patching compound may be used in conjunction with the KOSTER VAP I[®] 06 Primer (if required by the Owner, floor covering installer, or floor covering manufacturer to smoothen or level surfaces). Never apply KOSTER VAP I[®] 2000 over any new or existing cementitious underlayment system (especially if it is calcium sulfate based), unless approved in writing by the KOSTER American Technical Staff, (no exceptions).
- F. When water based adhesives are used in the floor covering installation, use an approved underlayment system together with a non-porous substrate primer prior to the installation of the flooring system. Please consult the adhesive manufacturer for their minimum recommended thickness of cementitious underlayment to absorb excess moisture in the adhesive. Note: this applies only to certain water based adhesives. Most adhesives will bond directly to the KOSTER VAP I[®] 2000. Consult with KOSTER American Corporation for general guidelines.

3.4 CLEANING

- A. Clean all tools and equipment with Xylene (or similar material) immediately after use when using the KOSTER VAP I® 2000.
- B. Remove all debris resulting from water vapor reduction system installation from project site.

3.5 PROTECTION

- A. Protect each coat during specified cure period from any kind of traffic, topical water and contaminants.

END SECTION 09 96 66

TECHNICAL SPECIFICATIONS

HOPEWELL SCHOOL GYM FLOOR REPLACEMENT - GL-2017-02

Part 1 - General

1.1 Summary

- A. Provide fluid applied urethane flooring system where shown on the drawings, as specified herein, and as needed for a complete and proper installation.
- B. Related work:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to, General Conditions, Supplementary Conditions, and Sections in Division 1 of these Specifications.
- C. Description of the flooring system:
 - 1. The fluid applied urethane flooring system shall be a **full depth**, seamless system in which the topping component consists of urethane synthetic compounds and shall be continuously bonded to the substrate and produce a thin, monolithic wearing surface.

1.2 References

- A. Applicable Publications: The following publications form a part of this specification to the extent of the referenced thereto.
 - 1. American Society of Testing and Materials.

1.3 Submittals

- A. Product data: Submit the following in accordance with the approved submittal schedule:
 - 1. Materials list of items proposed to be provided under this Section.
 - 2. Manufacturer's specifications and other data needed to prove compliance with the specified requirements.
 - 3. Color samples showing colors and finishes currently available in the proposed products.

4. Manufacturer's recommended installation procedures which, when approved by the Architect, will become the basis for accepting or rejecting actual installation procedures used on the work.
5. Manufacturer's recommended care and maintenance instructions.
6. Manufacturer's warranty.

1.4 Quality Assurance

- A. The CONTRACTOR and the MANUFACTURER.
- B. The CONTRACTOR shall have a minimum of 10 years experience in the application of poured-in-place polyurethane surfacing for athletic, interior applications.
- C. The MANUFACTURER shall have 5 years experience in the production of two-component polyurethanes.
- D. The CONTRACTOR must have completed at least 10 urethane flooring applications similar in type and size to that of this project.
 1. All technicians/mechanics shall be factory trained and full-time employees of the manufacturer/installer, specializing in the installation of the flooring system.

1.5 Warranty

- A. Fluid-applied urethane flooring found to be defective as a result of faulty materials and/or workmanship shall be replaced or repaired at no charge to Owner upon receipt of notification in writing for a period not to exceed ONE year from the date of substantial completion.

Part 2 - Products

2.1 Manufacturers

- A. Provide PolyTurf by Beynon Sports Surfaces, Inc., or approved equal.
 1. Athletic floor system is based on Beynon Sports Surface, Inc. products.
 2. Substitutions: Provide equal products of other manufacturers when approved ten (10) days prior to bid by the Architect.
 3. PAD and POUR Systems will NOT be ACCEPTABLE.

2.2 Performance Properties

The polyurethane must exhibit the following minimum properties:

◦ Weight	≈ .79/# per 1/8" thickness
◦ Tensile Strength Range	1500 PSI +/- 100
◦ Hardness Range	55-80 Shore A +/- 5
◦ Temperature Stability	Essentially unaffected from 0 degrees F to 190 degrees F
◦ Density	1.24 +/- 0.02 g/cm ³
◦ Moisture Absorption	0.8% +/- 0.2 by weight
◦ Compression Set	90% to 95% immediate recovery (after 72 hours @ 50% compression 25 degrees C)
◦ Ultimate Elongation	125 +/- 50%
◦ Compression Properties	90 +/- 15 psi (10% modulus), 1200 +/- 100psi (50% modulus)
◦ Tear Strength	120 +/- 10 pli

2.3 Product Handling

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturers labels indicating brand name and directions for storing and mixing with other components.
- B. Store materials to comply with manufacturer's written instructions to prevent deterioration from moisture, heat, cold or other detrimental effects.

Part 3 - Execution

3.1 Project Conditions

- A. Examine the areas and conditions under which work of this Section will be performed. Owner/General Contractor shall correct all conditions detrimental to timely and proper completion of the work. Do not proceed until unsatisfactory conditions are corrected.
 1. Do not install flooring until spaces are enclosed and weatherproof; wet work in spaces is complete and dry; and overhead work, including installing mechanical systems, lighting, and athletic equipment is complete.
 2. Maintain ambient temperature and humidity conditions in spaces to receive flooring recommended by manufacturer for 7 days before installation, during installation and for 72 hours after installation.

- B. Close spaces to traffic during flooring application and for a period after application recommended by manufacturer to allow for the flooring system, including game-line and marker paint to cure.

3.2 Installation General

- A. Coordinate as required with other trades to assure proper and adequate provision in the work of those trades for interface with the work of this Section.
- B. Install the work of this Section in strict accordance with the original design, the approved Shop Drawings, pertinent requirements of governmental agencies having jurisdiction, and the manufacturer's recommended installation procedures as approved by the Architect.

3.3 Substrate Conditions And Preparation

- A. It shall be the General Contractors responsibility to perform all substrate preparation, correction and cleaning procedures in compliance with the manufacturer's instructions for the particular substrate conditions specified for this project and to provide the following environmental conditions.
- B. Dryness:
 - 1. Provide a minimum drying time of sixty (60) days after the slab is installed prior to the commencement of the installation of the urethane flooring system. Moisture content shall not exceed 5%.
 - 2. The building shall be dry and fully enclosed.
 - 3. The work shall not commence until the completion of spackling, masonry and wet-trade work.
 - 4. The room temperature shall be maintained at a minimum level of 70 degrees F for two weeks before and during the installation.
 - 5. The relative humidity shall not exceed 68 per cent during the application of materials and for at least eight hours after the completion of each process.
- C. Removals:
 - 1. The existing **Versaturf360** synthetic urethane flooring system shall be completely removed and properly disposed of under **Hazmat** guidelines. Moisture content, shot blasting and/or Moisture Mitigation to be determined by owner and addressed within the bid documents.

2. Concrete, which is damaged or has spalled or has been contaminated by a bond breaker shall be removed and repaired to provide a sound surface as directed under a change order if discovered after bidding.
3. Expansion joints shall be treated in accordance with the manufacturer's recommendations.

D. Concrete Levels:

1. Variations in concrete slab levels shall not exceed 1/8" in any 10' direction, non-cumulative.
2. Required leveling work that is necessary shall be accomplished by grinding high spots and filling low spots using urethane leveling materials or an approved underlayment adhered with a bonding agent as approved by the flooring system manufacturer.
3. A representative of the installer shall take instrument readings on check points to be marked five feet on center on the slab scheduled to receive the flooring system.
4. All receiving surface corrections shall be the responsibility of the General Contractor / Owner

3.4 Floor Installation

A. Priming:

1. Clean concrete as required.
2. Apply manufacturer's approved primer so that the surface is thoroughly wet but no puddles are left standing.

B. Pouring:

1. Pour urethane synthetic floor surfacing materials utilizing electronically controlled metering and mixing equipment. Hand mixing may be allowed.
2. Use a poured-in-place technique to achieve a monolithic surface to the maximum extent possible.
3. The completed thickness of material shall average 3/8".

C. Finishing and Game Lines:

1. Allow the urethane flooring materials to cure.
2. Apply manufacturer's approved pigmented polyurethane finish. Color to match the base elastomer and shall be applied to a minimum thickness of 2-3 dry mils.
3. The final coat of finish shall be matte.
4. Layout and paint all gamelines and other required markings according to approved shop drawings. Colors shall be selected from manufacturer's standard available colors and as approved by architect.

D. Protection:

1. No other trades shall be permitted in the area scheduled to receive the flooring system from the time of the application of the primer until ten (10) days after the application of the final coat of surface finish.
2. Adequate protection of the finished floor shall be provided by the General Contractor.
3. No smoking, open flames or sparking from electrical outlets, telephones or electric motors shall be permitted in the area during application of the primer, floor surfacing material, or finishing materials.

3.5 Clean Up

- A. Upon completion of the installation, the flooring contractor shall remove from the job site unused materials, tools, equipment and properly dispose of rubbish.

END OF SECTION