

Request for Bids

Camdenton School District

Stadium & Practice Field Turf Replacement

For

**Camdenton High School
Camdenton, MO**

Athletic SurfacesPlus Consulting

485 River Ridge Cove

Memphis, TN 38120

Phone: (901) 494-4440

Tim Cowan, E-mail: tim@athleticsurfacesplus.com

Bid Date

Tuesday, March 21, 2017 @2pm

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SECTION A

Announcement

Request for Proposals: Synthetic Turf Field Project

With this request for proposal (this “RFP”), Camdenton School District (“Owner”) hereby solicits bids, on a competitive basis, from qualified companies (“Respondents”) to provide Owner the services described herein, all in accordance with the terms and conditions detailed herein. ***In particular, the services sought by Owner will require the Respondent to provide removal of the existing turf field and install a NEW Turf field at Camdenton High School Stadium, and the Practice Field.***

Each Respondent must submit their mission statement and customer focus with their Proposal.

The Respondents are to have current Missouri Contractors licenses and proof of insurance.

Owner reserves the right to accept or reject any or all documents submitted. Owner shall have the right to consider factors other than the proposal response in awarding a contract.

Respondents are required to include a copy of standard contract, modified as deemed necessary for this RFP. This contract will be considered only as a sample. Owner reserves the right to modify or reject the sample contract in the event the Respondent is selected.

(All such services are referred to herein as the “Services”). More information about the requirements pertaining to the Services is set forth in Section B of this RFP.

About Camdenton School District Synthetic Turf Project

Camdenton School District for Camdenton High School has initiated a project to replace the existing turf fields at the Stadium and the Practice Field with high quality new synthetic turf surfaces. Companies interested in bidding, may submit: Removal/Loading/Disposal of existing turf field, synthetic turf & Installation, and/or a complete price for both, or all.

Submission of Proposals

Bids will be accepted until **2:00 PM CST Tuesday, March 21, 2017. PROPOSALS RECEIVED AFTER THIS TIME WILL NOT BE ACCEPTED.** One (1) original, and two (2) copies of your bid must be submitted. Owner expects to award a contract to the successful contractor/s not later than **4/1/ 2017. OWNER RESERVES THE RIGHT TO CONTRACT IN THE BEST INTEREST OF OWNER, AND TO REJECT ANY AND ALL BIDS AT ANY TIME PRIOR TO AWARD.**

Bids must be sealed in a container marked on the lower left-hand corner with the name and address of the Respondent. Owner will date stamp the container with the submission date and the submission time. In addition, the sealed container in which the Bid is submitted should be labeled "Stadium Turf Project". **FAXED RESPONSES WILL NOT BE ACCEPTED.** Further instructions for submitting Bids may be obtained from:

**Camdenton School District
172 Dare Blvd
Camdenton, MO 65020
Attn: Dr. Tim Hadfield, Superintendent
Email: thadfield@camdentonschools.org**

All completed Bids and accessory documents should be mailed or delivered to:

**Camdenton School District
172 Dare Blvd
Camdenton, MO 65020
Attn: Dr. Tim Hadfield, Superintendent
Email: thadfield@camdentonschools.org**

Inquiries for electronic BID documents, information regarding scope of work, Bid submission requirements or other specification concerns may be directed to the Owner's Representative: Mr. Tim Cowan @ 901-494-4440 or at: tim@athleticsurfacesplus.com

SECTION B SCOPE OF SERVICES

1.1 THE SERVICES

Owner is soliciting bids from qualified synthetic turf manufacturers to supply and install Synthetic Turf. All work to be performed is at Camdenon High School Stadium field and Practice field.

Project Description

The project will consist of the: Dismantle, removal, and disposal/load of the old turf field, base renovation, and the synthetic turf and its installation. **SEE SPECIFICATIONS & RENDERINGS FOR COMPLETE DESCRIPTION OF WORK**

Trade Packages: Will include the following General Scope of work and description in the BID documents.

Trade package#1- Dismantle/Removal/Disposal:

Dismantle, remove and properly dispose of the existing turf of the Stadium Field

Trade package#2- Dismantle/Removal/Disposal:

Dismantle, remove and properly dispose of the existing turf of the Soccer Field

Trade package#3- Dismantle/Removal/Load:

Dismantle, remove and load existing turf of the Stadium Field onto owner provided trailers and trucks

Trade package#4- Dismantle/Removal/Load:

Dismantle, remove and load existing turf of the Soccer Field onto owner provided trailers and trucks

Trade package#5-Renovation of Base per field:

Laser grade, compact and assure planarity acceptable to the Owner's Representative & Turf Contractor

Trade package#5-Synthetic Turf:

Manufacture, deliver, and install synthetic turf as specified for the Stadium Field

Trade package#6-Synthetic Turf:

Manufacture, deliver, and install synthetic turf as specified for the Practice Field

Trade package#7- Alternate Turf Bid Stadium Field

Manufacture, deliver, and install Alternate synthetic turf for the Stadium Field

Trade package#8- Alternate Turf Bid Soccer Field

Manufacture, deliver, and install Alternate synthetic turf for the Practice Field

Trade package#9- Combinations of packages ___ & ___ Complete

Trade package#10- Combinations of packages ___ & ___ Complete

Trade package#11- Combinations of packages ___ & ___ Complete

Trade package#12- Combinations of packages ___ & ___ Complete

****Contractors choice of combinations**

Purpose of Synthetic Turf

The existing athletic field is a synthetic turf field that was built in 2005, and incorporates herringbone flat drains and perimeter trench drains around the existing field.

The synthetic turf itself shall be pervious, allowing water to quickly infiltrate (20+ inches per hour) from the surface to the drainage network below. The drainage network consists of an aggregate layer and a geo-textile membrane that separates the underlying soil from the drainage layer. The field and drainage layer will also provide water storage capacity, slowing the outflow of precipitation even when the infiltration capacity of the underlying soil is exceeded during a large storm event.

Proposal Requirements

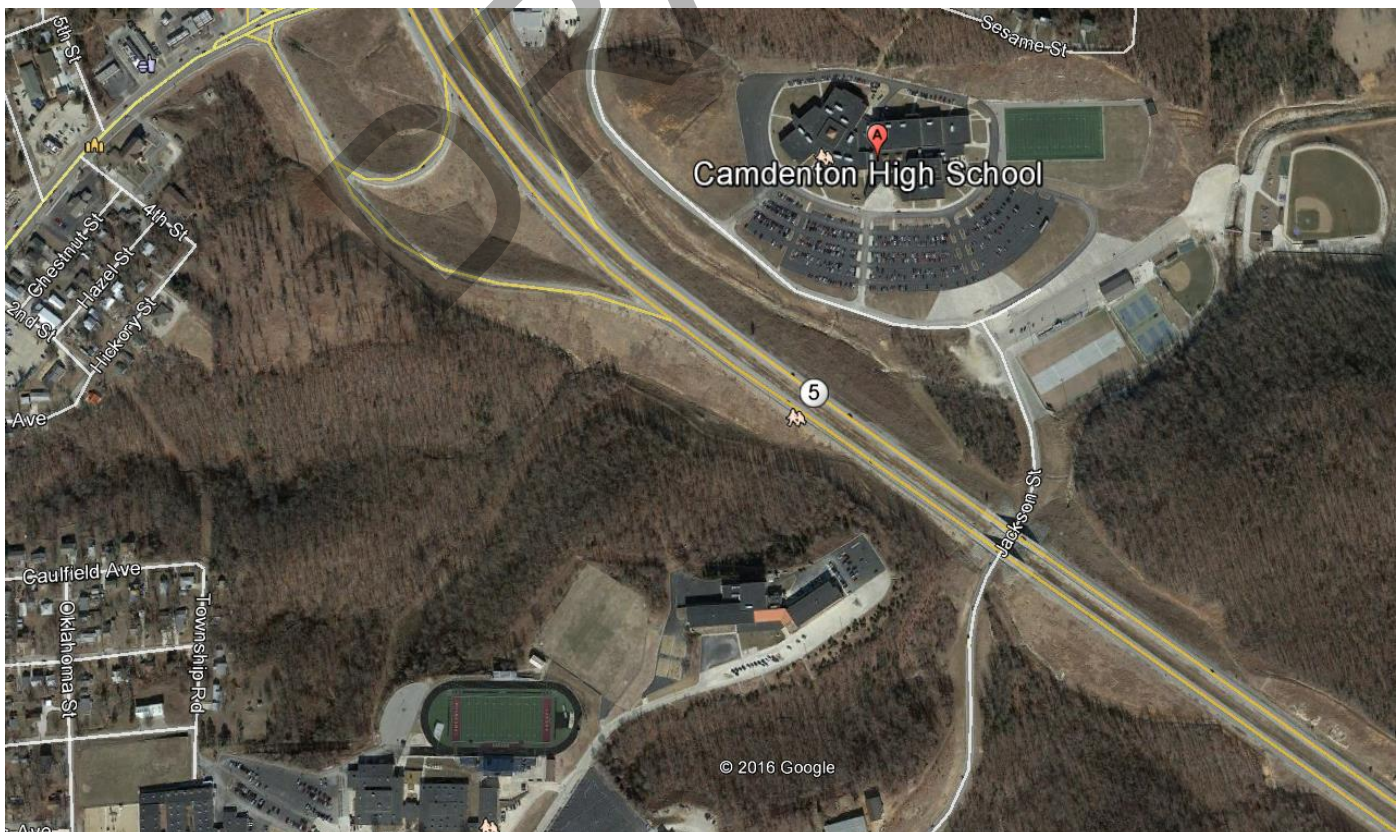
Contractors shall present their qualifications, sample of warranty forms and samples of the product to be installed that meet the attached specifications and requirements (where requested). In addition, the cost proposal shall be submitted on the forms provided, Bond documentation, bidders assurances and disclosure, submittals and all included as part of the bid. Failure to include requirements or submittals could cause rejection.

FIELD RENDERING: Please pay close attention to the written specifications on markings. Everything that currently has turf will be replaced with new synthetic turf. Total square footage of the Stadium turf is approximately 85,000 sq/ft, and the Practice Field is approximately 90,000 sq/ft. We encourage you to make a visual onsite inspection prior to bidding.

Field Renderings

These field renderings are provided to show the markings on the field, but please refer to the description in the RFP.

Location of the Fields The Stadium field is located to the South of the High School Practice field

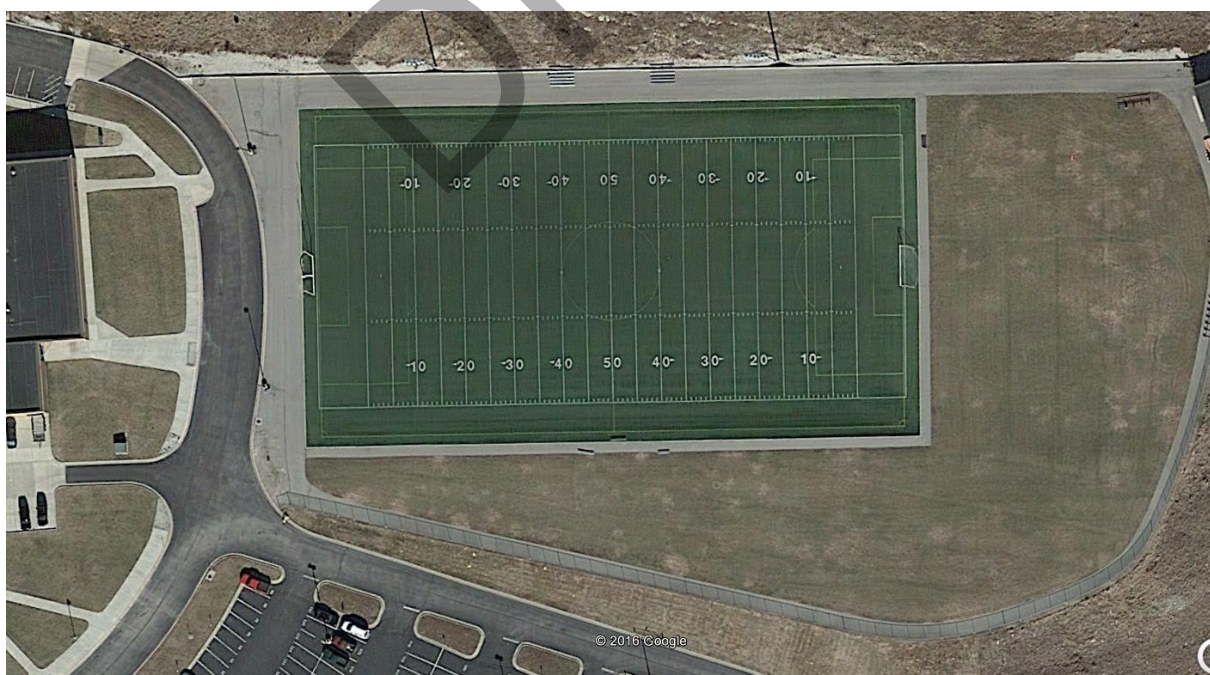


Stadium Field



Practice Field

The Practice field will have Yellow Soccer Lines



Evaluation Process

Camdenton RFP process for the construction of the turf fields will include an evaluation component. After the conclusion of the BID openings, an evaluation committee will grade and evaluate the vendors based on the following criteria. This evaluation will provide the basis for a more complete assessment of the Turf companies. We encourage companies to present 1 (one) informational binder for the appropriate scope of work, that provides the following information in the order shown below.

Synthetic Turf Companies

VIABILITY	Total Points 25	
Business Tenure/Resources		20%
Customer References		20%
Experience		10%
Post Installation Support		10%
Meets Timeframe for Completion (Include: Construction Sequence Schedule, as specified in RFP)		40%
SUBMITTALS	Total Points 20	
Evidence of 3 Warranties		25%
Meets Turf Specifications		60%
Mission Statement / Customer Focus		15%
TURF EVALUATION SAMPLES	Total Points 15	
Rubber Infill Sample		20%
Raw Turf Sample		30%
Turf Sample with Infill		50%
PROJECT PROPOSAL/PRICE	Total Points 40	
RFP Bid Price (\$)		60%
Base Construction Partner (15% if applicable)		20%
Turf Manufacturer/Installation Crew (30% if no Base Partner)		20%
SCORE		
Total Points Possible	100.00	

SECTION C: BID

For Camdenton School District STADIUM & PRACTICE TURF FIELD PROJECT

Company _____ **MO License #** _____

Name _____

Address _____

City / State/ Zip _____

Phone/fax/email _____

Representative: _____ **Signature:** _____

Pursuant to and in compliance with Bidding Documents, applicable trade package scopes and the proposed Contract Documents, including Addenda _____, I hereby propose and agree to furnish material and labor to construct this project work as set forth in summary of work Section 01010, for the Camdenton High School Stadium /Practice Field in strict accordance with the Contract Documents for the sum of:
Time duration per project for this scope of work _____ Working days.

Scopes may be awarded individually or packaged together depending on pricing and contractor abilities. **Successful bidder must submit a schedule within three business days delineating duration of work as well as lead times for material and equipment.** Please provide the cost for the Performance & Payment Bond included in your BID. I further agree to perform the work if required for addition to the Contract Sum at the following unit prices, (if applicable) which include all expenses, including overhead and profit:

Installation of (2ea) 28'x12' owner provided Hog Logos between 20-30 yd lines \$ _____ Each

Trade package#1- Dismantle/Removal/Disposal: _____ Dollars(\$ _____)

Trade package#2- Dismantle/Removal/Disposal: _____ Dollars(\$ _____)

Trade package#3- Dismantle/Removal/Load: _____ Dollars(\$ _____)

Trade package#4- Dismantle/Removal/Load: _____ Dollars(\$ _____)

Trade package#5-Renovation of Base per field: _____ Dollars(\$ _____)

Trade package#6-Stadium Synthetic Turf: _____ Dollars(\$ _____)

Trade package#7-Practice Synthetic Turf: _____ Dollars(\$ _____)

Trade package#8- Alternate Turf Bid Stadium Field: _____ Dollars(\$ _____)

Trade package#9- Alternate Turf Bid Practice Field: _____ Dollars(\$ _____)

*Trade package#10- Combinations of packages _____ & _____ Complete _____ Dollars(\$ _____)

*Trade package#11- Combinations of packages _____ & _____ Complete _____ Dollars(\$ _____)

*Trade package#12- Combinations of packages _____ & _____ Complete _____ Dollars(\$ _____)

*Trade package#13- Combinations of packages _____ & _____ Complete _____ Dollars(\$ _____)

*Contractors choice of combinations (if more than 2 trade packages write in the blanks provided)

TIME SCHEDULE

Completion Time: Work shall begin after **5/30/17**, and should be ready for synthetic turf contractor no later than **6/20/17**. Turf installation shall take no more than **21 calendar days on Stadium field and 28 calendar days on Practice field**. Expected Final Completion date of the Stadium Field is prior to **7/15/17**, and Practice Field prior to **7/1/17**. Any excessive weather delays logged will be left up to the discretion of the Owner's Representative.

In submitting this proposal, it is understood that the right is reserved by the Owner to reject any or all proposals. No bid shall be withdrawn for a period of time not to exceed **thirty (30) days** subsequent to the opening of the Bids, without the consent of the owner. The owner intends to move forward with this project within **2 weeks** of reviewing the Bids.

DRAFT

Bidder Assurances and Disclosure **
School District Bid
(enclose in Bid envelope)

Name of School District: Camdenton School District, Camdenton, MO

Bid Description: Stadium & Practice Turf field Project

Bid Opening Date: 3/21/17

Assurances:

I, _____ hereby state:

1. I am the duly authorized agent of _____, the bidder submitting the competitive bid which is attached to this statement, for the purpose of certifying the facts pertaining to the existence of collusion among and between bidders and school district officials, as well as facts pertaining to the giving or offering of things of value to school district personnel in return for special consideration in the awarding of any contract pursuant to the bid to which this statement is attached.
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of the bid.
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
 - a. To any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding;
 - b. To any collusion with any school district official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of the prospective contract; or
 - c. In any discussions between bidders and any school district official concerning exchange of money or other thing of value for special consideration in the awarding of a contract.
4. I hereby guarantee that the specifications outlined in the bid shall be followed as specified and that deviations from the specifications shall occur only as part of a formal change process approved by the Board of the school district.

Disclosure:

1. Does any school board member or employee of the school district have a financial interest in your business or hold a position as officer, director, trustee, partner, or other top level management? _____ Yes
_____ No
2. Does any school board member or employee of the school district have a family relationship with anyone employed by your business? _____ Yes _____ No

(If the answer is yes to either of the above questions, provide details in a separate attachment to this form.)

Did you or your company assist the school district or any agent of the school district with the development of the bid specifications? _____ Yes _____ No

If yes:

- a. Were you or your company compensated? _____ Yes _____ No
- b. Is your company's name or identity included anywhere within the specifications? _____ Yes _____ No
- c. Were you offered any preferential treatment in the pre-bid process?
_____ Yes _____ No

Signature

Date

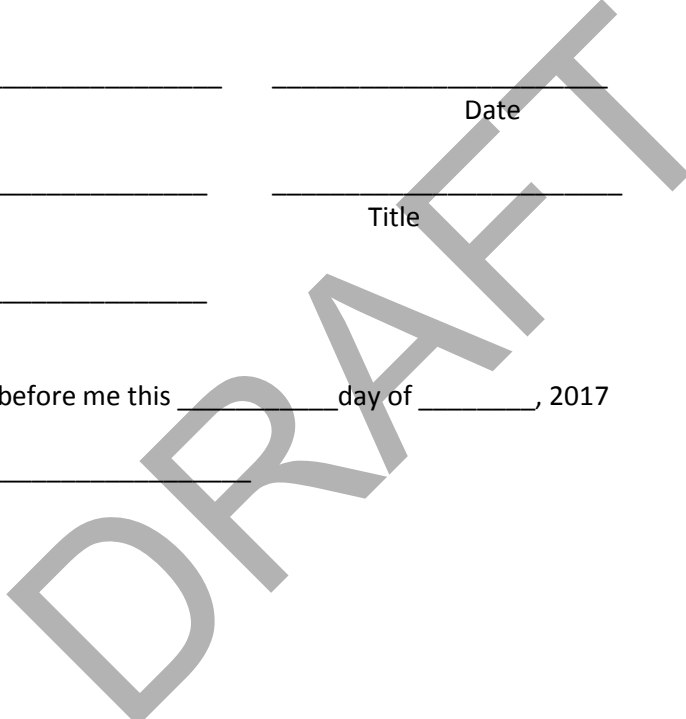
Name

Title

Company

Subscribed and sworn to before me this _____ day of _____, 2017

Notary Public



**** Enclose in your Bid envelope with bid**

INSTRUCTIONS TO BIDDERS

1. Securing Documents: Copies of the RFP documents are free of charge and can be obtained from:
Mr. Tim Cowan email: tim@athleticsurfacesplus.com or call 901-494-4440

2. General Instructions, Terms and Conditions:

a. These General Instructions, Terms and Conditions and any special terms and conditions become part of any contract entered into in the event any part or the entire bid is accepted by The Camdenton School District.

3. Definitions:

a. All definitions set forth in the General Conditions of the Contract for Construction, AIA Document A201, are applicable to these Instructions to Bidders.

b. Bidding documents include the advertisement or invitation to bid, execution of the contract which modify or interpret the bidding documents, including drawings and specifications, by addition, deletions, clarifications or corrections. Addenda will become part of the Contract Documents when the construction contract is executed.

c. The words vendor, bidder, offerer, company, proposer and contractor may be used synonymously in this document.

d. The terms "District", "Owner" or Owner's Representative are used interchangeably and refer to the Camdenton School District.

e. Pursuant to Missouri Code, the State encourages all small, minority, and women business enterprises to submit bids for capital improvements. Encouragement is also made to all general contractors that in the event they subcontract portions of their work, consideration is given to the identified groups.

4. Examination of Drawings, Specifications, and Site of Work:

a. Before submitting a bid, each bidder shall carefully examine the Drawings, read the Specifications and all other proposed Contract Documents, and visit the site of the Work. Each Bidder shall fully inform himself prior to bidding as to all existing conditions and limitations under which the Work is to be performed, and he shall include in his bid a sum to cover all costs of all items necessary to perform the Work as set forth in the proposed Contract Documents. No allowance will be made to any bidder because of lack of such examination or knowledge. The submission of a bid will be construed as conclusive evidence that the bidder has made such examination.

b. Should the bidder find discrepancies in, or omissions from the drawings, or other bidding documents, or should he be in doubt as to their meaning, he should at once, notify the owner, who will send a written addendum to all bidders. The Owner will not be responsible for any oral instructions. Any addenda issued during the time of bidding are to be covered in the proposal and in closing a contract; they will become a part thereof.

5. Bidding Procedures:

- a. Bids shall be made upon the bid form issued by the Owner. The signature of the individual authorized to bind the bidder shall be in longhand; no oral, telegraphic or telephonic proposals will be considered, but modifications by telegraph or fax of bid already submitted will be considered if received prior to the hour set for opening.
- b. Bids shall also include "Bidder Assurances and Disclosure" form contained in this document. Failure to include the "Bidder Assurances and Disclosure" form may result in disqualification.
- c. Bids, including "Bidder Assurances and Disclosure" form, must be signed by an individual authorized to bind the bidder. The person signing the bid should show title or authority to bind his/her firm to a contract. Signature must be in ink. Failure to sign the bid may result in disqualification. Bid must be completed in ink or typed. "Bidder Assurances and Disclosure" form must be notarized.
- d. Bids shall be addressed to and mailed to the Owner at the address shown on the Bid form or delivered to the place designated for opening of bids before the time for opening the bids as set forth in the Notice to Bidders, enclosed in a sealed envelope, addressed as stated above, marked "Bid" and bearing the title of work and the name and address of the bidder.
- e. Bids received prior to the time of opening will be kept, unopened. No bid received after the hour set for their opening, will be considered, except that when a bid arrives by mail after the time fixed for opening, but before the award is made, and is shown to the satisfaction of the Owner that the non-arrival on time was due solely to delay in the mails, a fault for which the bidder was not responsible, such bids will be received and considered. No responsibility will be assumed by any person for the premature opening of a bid not properly addressed and identified.
- f. In case of a difference in written words and figures the amount in written words shall govern.

6. Bid Bond:

- a. Bids must be accompanied by a Bidder's Bond in an amount equal to 5% of Bid, executed by a surety company approved by the Owner, and authorized to do business in the State of Missouri. The Bidder may furnish a cashier's check, in an amount equal to 5% of Bid, drawn on National Bank or a Bank having a membership in the Federal Reserve System and signed by the President or Cashier, in lieu of bond. The successful bidder's security will be retained until he has signed the Contract and furnished the required Labor and Materials Payment and Performance Bond. The Owner reserves the right to retain the security of the next lowest bidder until the lowest bidder enters into contract or until 60 days after bid opening, whichever is shorter. All other bid security will be returned as soon as practicable. If any bidder refuses to enter into a contract, the Owner will retain his bid security as liquidated damages but not as a penalty.

7. Wage Requirements:

- a. Contractors attention is called to the fact that the wage rates for laborers and mechanics engaged in the construction of the project will be not less than required in full compliance with any state minimum wage law that may be applicable.

8. Construction time:

The Agreement will include a stipulation that the Work be completed in a period of time established in the Bid Form. Work shall begin after **5/30/17**, and should be ready for synthetic turf contractor no later than **6/20/17**. Turf installation shall take no more than **21 calendar days**. Expected Final Completion date must be prior to **7/15/17** for the Stadium Field, **and 7/31/17** for the Practice Field. Any excessive weather delays logged will be left up to the discretion of the Owner's Representative. Turf Contractor will be assessed liquidated damages in the amount of \$500 per day for each day past the 21 days allowed on respective fields.

9. Substitutions:

- a. Where a definite material is specified, it is not the intent to discriminate against any "approved equal" product of another manufacturer. It is the intent to set a definite standard.
- b. Open competition is expected, but in all cases, complete data must be submitted for comparison and test when required by the Owner.
- c. The materials, products and equipment described in the Bidding documents establish a standard of required function, dimension, appearance and quality to be met by any proposed substitution.
- d. No substitution will be considered prior to receipt of Bids unless written request for approval has been received by the Owner at least ten days prior to the date for receipt of Bids. Such requests shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance and test data, and other information necessary for an evaluation. Information shall be submitted in a format that compares the proposed product in a direct comparison to the specified product; line number to line number in specifications. A statement setting forth changes in other materials, equipment or other portion of the Work including changes in the work of other contracts that incorporation of the proposed substitution would require shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The Owner's decision of approval or disapproval of a proposed substitution shall be final.
- e. If the Owner approves a proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum. Bidders shall not rely upon approvals made in any other manner.
- f. No substitutions will be considered after the Contract award unless specifically provided in the Contract documents.
- g. No substitution shall be made unless authorized in writing, by the Owner.
- h. All bidders shall base their proposals on the material or specialty specified. Any proposal for substitution shall be submitted within 10 days after the award of the contract.
- i. Should a substitution be accepted and should the substitute material prove defective or otherwise unsatisfactory for the service intended within the guaranty period, the Contractor shall replace this material or equipment with that which was originally specified, without cost to the Owner.

10. Conflict of Interest:

a. By submitting a bid, the Contractor represents and warrants that no director, board member or employee of the District is in any manner interested directly or indirectly in the bid or contract which may result from the bid or in any of the expected profits which might arise there from; further, that no attempt has been made to influence or gain favorable advantage by communicating directly or indirectly with any official of the School District. It is understood that any action taken which might tend to degrade the integrity of the competitive bidding process will be considered as grounds for disqualification or a breach of this contract.

11. Qualifications of bidders:

a. The bidder will not be acceptable if he is engaged on any other work which impairs his ability to finance this contract or provide proper equipment for the proper execution of same.

b. The bidder must be prepared to furnish a performance bond and labor & material payment bond in accordance with the Contract Documents written by a surety company authorized to do business in the State of Missouri.

c. Contractor shall name any sub-bidder whose bid he proposes to use. In determining the responsibility of the low bidder, the following will be considered; whether the sub-contractor has:

- State contractor's license.
- Permanent place of business.
- Experienced job superintendent available.
- Adequate equipment.
- Financial ability to perform contract.
- Had appropriate experience.

12. Rejection of bids:

a. The Bidder acknowledges the right of the School District to reject any or all bids and to waive any informality or irregularity in any bid received. In addition, the Bidder recognizes the right of the School District to reject a bid if the Bidder failed to furnish any required bid security, or to submit the data required by the bidding documents, or if the bid is in any way incomplete or irregular. The School District may reject any and all bids and may reject a bid of any party who has failed to perform, been unfaithful and/or delinquent in any former relationship with the School District. The School District shall be the sole judge as to which bid is best and, in determining that fact, may consider the contractor's business integrity, financial resources, experience, facilities and/or capacity for performing the work.

13. Submission of post-bid information:

a. Upon receipt of written notice of the acceptance of his bid, the successful Contractor shall execute a contract, in accordance with good and sufficient surety or sureties, within ten (10) calendar days after the prescribed forms are presented for signature. Required bond and insurance documents shall be furnished with the executed contract.

b. Within seven (7) days after execution of the contract, the Contractor shall furnish to the owner; a statement of costs for each major item or the work included in his bid and a list of the subcontractor's proposed for the principal portions of the work. The bidder will be required to establish to the satisfaction of the Owner the reliability and responsibility of the proposed subcontractors to furnish and perform the required work.

c. The Contractor will be required to keep an accurate accounting of all labor and materials entering into the job. It will be required that this be brought up to date each week.

14. Assignments:

Neither this contract nor any interest therein nor claim there under may or shall be assigned or transferred by the Contractor except as expressly authorized in writing by the School District. No contract, subcontract or agreement shall be made by the Contractor with any other party for furnishing any of the product, work or services herein contracted without the written approval of the School District.

15. Contract Changes:

In no event shall any understanding or agreement, contract modification, change order or other matter which would constitute a deviation from the terms of this contract be effective or binding upon the School District unless expressly stated and agreed to in writing executed by the School District official possessing contractual authority for said district.

16. Contract Guidelines:

Bidders agree that a contract does not become effective until it is awarded and a written agreement, purchase order, award letter, or other notice to proceed is executed or issued by the School District.

17. Non-Collusive Affidavit:

By submitting a bid, the company and the individual personally signing the bid represent and warrant that such bid is genuine and is neither collusive nor made for or on behalf of any person not named, and that he has neither induced nor solicited any other company to place a sham bid nor directly or indirectly caused another company to refrain from or be unable to present a bid.

18. Penalty for Collusion:

If at any time it shall be found that the person, firm or corporation to whom a contract has been awarded has, in presenting any bid, colluded with any other part or parties, then, in the sole discretion of the District, the contract so awarded shall be null and void or considered breached and the contractor shall be liable to the District for any and all loss and damage of whatsoever nature, which the District may suffer and the District may seek a new contractor.

19. Non-Discrimination:

The company shall not discriminate against, or segregate, a person or a group of persons on account of race, color, creed, religion, sex, sexual orientation, marital status, familial status, national origin, ancestry, disability of condition of acquired immune deficiency syndrome (AIDS) or AIDS-related complex in carrying out its duties and obligations pursuant to this agreement nor shall the company or any person claiming under or through the company establish or permit any such practice or practices of discrimination or segregation. The company must include in any and all subcontracts a provision similar to the proceeding.

20. Proprietary Information:

All information submitted in response to this bid is public after the bid opening. The bidder should not include as a part of the response to the invitation to bid any information which the bidder believes to be a trade secret or otherwise privileged or confidential. If the bidder wishes to include such material with a bid, then the material should be supplied under separate cover and identified as confidential. The District does not warrant or agree to, but will endeavor to, keep that information confidential. Contractor acknowledges that information in the possession of the District may be subject to the provisions of the Missouri Freedom of Information Act.

21. Reservations:

The RFP does not commit the District to award a contract, to pay any costs incurred in the preparation of a bid in response to the invitation, or to procure or contract for services or supplies. The District reserves the right to accept, or reject, in part or its entirety, any bid received as a result of the RFP, it is in the best interest of the District to do so.

22. Severability:

The finding or determination of any part or parts of the General Instructions, Terms and Conditions is void, unenforceable, invalid or voidable shall result in only that part being stricken with the remainder to continue in full force and effect.

23. Withdrawal of Bid: A bid may be withdrawn before the expiration of the time during which bids may be submitted, without prejudice, by submitting a written request for its withdrawal to the owner.

DRAFT

Section D Technical Specifications for Synthetic Turf Project

D-1 Athletic Field Subsurface Drainage System

1.1. SCOPE OF WORK / PROJECT REQUIREMENTS

- A. Contractor will laser grade the aggregate base and roll the surface for compaction and planarity after the removal of the synthetic turf. The intent is to recreate the existing grade and planarity while maintaining a smooth uniform surface. Acceptance of the final surface will shall be determined by the Owner's Representative. If additional aggregate base (washed #57 of #89 stone) is required, the Owner will provide the materials delivered to the site. Contractor is to coordinate with Owner's Representative. Contractor shall be responsible for placement, grading, and compaction of Owner provided materials.
- D. Coordinate work and confirm tolerances and approval with Owner's Representative prior to turf installation.

SECTION D-2 INFILLED SYNTHETIC TURF

Part 1 – General

1.1 Summary

Drawings and general provisions of the Contract, including General and Supplementary Conditions apply to this section.

1.2 Scope of Work

Furnish all labor, materials, tools and equipment necessary to install, in place, all synthetic turf materials as indicated on the plans and as specified herein. The installation of all new materials shall be performed in strict accordance with the Manufacturer's written installation instruction, and in accordance with all approved shop drawings.

1.3 Submittals

- A. Submit the following:
 - 1. 12" x 12" Raw Sample of proposed Synthetic Turf, and same box sample with specified rubber infill material
 - 2. 8 oz. bag of specified SBR rubber granules.
 - 3. Injury documentation/background on system being bid.
 - 4. Past project experience with references per paragraph 1.5 A below.
 - 5. Copy of Testing data on proposed product
 - 6. Copies of (total of 3) 8 yr warranties on Fiber, Manufacturer, & Installation

- B. Prior to order of materials, the Contractor shall submit the following:
 - 1. Product Warranty.
 - 2. Details on construction, especially any details that may deviate from plans and specifications.

- C. Prior to the beginning of installation, the manufacturer/installer of the synthetic turf shall inspect the base and supply a Certificate of base Acceptance for the purpose of obtaining manufacturer's warranty for the finished synthetic playing surface.

- D. Prior to Final Acceptance, Contractor shall submit the following to the Owner:
 - 1. Three (3) copies of Maintenance Manuals, which will include the necessary instructions for the proper care and preventive maintenance of the synthetic turf system, including painting and striping.
 - 2. The Contractor shall provide the necessary testing data to the owner's representative that the finished field meets or exceeds the required shock attenuation property (G-Max) per paragraph 1.5.B2 and will not exceed that level throughout the warranty period.

1.4 Shop Drawings

- A. Shop drawings shall be prepared at the scale of the construction documents and contain all pertinent information regarding installation. These drawings shall be submitted to the owner for approval prior to the manufacturing and shipment of materials.

- B. Submit drawings for:
 - 1. Seaming plan
 - 2. Installation details, edge detail, goal post detail, other inserts and covers.
 - 3. Striping plan, layouts showing any field lines, markings and boundaries, and field logos per project drawings.

1.5 Quality Assurance

- A. Manufacturer/Installer's Experience

The Installer shall have the experience of at least ten (10) acceptable installations of full-size football or soccer fields (minimum of 70,000 SF) in the United States within the past three (3) years of infilled polyethylene long fiber systems. The Contractor must have at least 3 installations with the same manufacturer as proposed, and provide information in the reference list of these installations. The Contractor shall employ only qualified, experienced supervisors and technicians skilled in the installation of the specified system.

B. Warranty

The Contractor shall submit its Manufacturer's Warranty guaranteeing the usability and playability of the synthetic turf system for its intended use for an eight (8) year period commencing with the date of Substantial Completion. The warranty coverage shall not be limited to the amount of usage.

The warranty submitted must have the following characteristics:

1. Must provide full coverage for eight (8) years from the date of Substantial Completion;
2. Warranty must state that the average G-Max of the play area will not exceed 135 for the life of the warranty.
3. Must warrant materials and workmanship; with a non- prorated warranty
4. Must warrant that the materials installed meet or exceed the product specifications;
5. Must have a provision to either make a cash refund or repair or replace such portions of the installed materials that are no longer serviceable to maintain a serviceable and playable surface;
6. Must be a manufacturer's warranty from a single source and a total of three warranties 1)workmanship and all self-manufactured or procured materials 2) a fiber warranty 3) an installation warranty
7. Guarantee the availability of replacement materials for the synthetic turf system installed for the full warranty period;
8. By submitting a bid, the Contractor agrees that upon notification of synthetic turf material failure that the Contractor will, within twenty-four (24) hours, initiate repair of same.

Owner reserves the right to request the addition of a bonded warranty to the specified scope of the work at a cost to be negotiated with the low bidder. Said cost shall be the direct cost of the insurance policy only and shall exclude any markup from the contractor. Owner also reserves the right to send turf sample to TSI for testing and verification of meeting required specifications. If sample does not meet specifications contractors bid can be dismissed, and contractor liable for reimbursement of testing costs.

1.6 Surface Area

The Contractor is to verify all field measurements.

1.7 Utilities

The Contractor shall supply electricity for installation.

Part 2 – Products

2.1 General

- A) All components and their installation method shall be designed and manufactured for use on outdoor athletic fields. The materials, as hereinafter specified, should be able to withstand full climate exposure in Southwest Missouri, be resistant to insect infestation, rot, fungus and mildew; to ultra-violet light and heat degradation, allowing free movement of surface run-off where such water may flow to the sub-base and into the field drainage system.
- B) The finished playing surface shall appear as mowed grass with no irregularities and shall afford excellent traction for conventional athletic shoes of all types. The finished surface shall resist abrasion and cutting from normal use. The installed system shall be ideal for football, soccer, lacrosse, baseball, softball, PE classes, intramurals and recreational use. All football five yard lines, as well as soccer and football boundary lines, will be factory tufted in the approaching rolls to meet the required field layout and dimensions as noted in the drawings.

2.2 Synthetic Turf Surface

- A. The turf fiber shall be a low abrasive, proven, UV resistant 100% polyethylene slit-film system designed for heavy sports and athletic play.
- B. The Synthetic Turf Surface shall meet the following properties:
 - 1. Minimum pile length 2.00"
 - 2. Maximum pile length 2.125"
 - 3. Minimum yarn denier Slit-film 8,000
 - 4. Filament Minimum Thickness slit-film 100 microns
 - 5. Pile weight 42 ounces/sq yd
 - 6. Stitch gauge 3/8"
 - 7. Tuft Bind Slit-Film: >12lbs average
 - 8. Minimum total Urethane secondary backing weight 24 ounces/sq yd
 - 9. Porous backing by means of 3/16" – 1/4" perforations on minimum of 4" Centers capable of draining 20.25+" of water per hour
- C. The Carpet shall consist of FIELD GREEN COLOR 100% Tencate XP Blade (Old XP Pro), OR EQUAL, Domestic parallel slit-film fibers tufted into a porous or perforated primary backing.

Alternate Synthetic Turf

Manufacturers may Bid an Alternate turf, but you must include all documentation and specification sheets, samples (rag and infilled product) and meet or exceed all specified standards shown in this RFP.

- D. The Carpet shall be furnished in 15' wide rolls with white yard line factory tufted on the edge of the roll. Rolls shall be long enough to go from sideline to sideline without splicing. Head seams, other than at sidelines, will not be acceptable.
- E. The Carpet's primary backing shall be a **triple-layered** polypropylene woven/non-woven or combination approved. The secondary backing shall consist of an application of **24oz** per sq/yd of porous, heat-activated urethane to permanently lock the fiber tufts in place. Urethane with excessive fillers and air will not be acceptable.

2.3 Infill Material

The infill system shall provide a safe, highly playable system similar in play, performance and feel to the best natural grass system.

The infill system shall consist of 1.5 lbs of sand per square foot as a ballast layer with balance of infill being ground SBR ambient processed rubber. The infill **must meet** the high standards listed below.

Sand must be material designed for synthetic turf infill, and have sub-rounded to rounded shape angularity from Kaw Valley or approved equal.

- Rubber material shall have less than 0.002% free metal content as measured in accordance with ASTM D 5603 7.3.2
- Rubber material shall have less than 0.001% free fiber content as measured in accordance with ASTM D 5603 7.4
- Rubber material shall have less than 0.002% free mineral content as measured in accordance with ASTM D 5603 7.3.1
- Rubber material shall have less than 0.3% particles smaller than 35 MESH in accordance with test sieve DIN 3310-1

The rubber shall be installed in 1/8" lifts by a drop or broadcast spreader, and brushed using a Laymor sweeper to fill the voids between the fibers and allow the fibers to remain vertical and non-directional. The rubber shall be 8-18 Mesh. The infill shall be 3/8" inches less than the turf fiber length. There should be 3.0+ Pounds of rubber per sq/ft.

2.4 Seams

All seams, shall be sewn using heavy nylon thread, or glued using 360° hot melt bonding, or approved alternate system. Seams shall be flat, tight and permanent with no separation or fraying.

2.5 Lines and Markings

- A. **Stadium Field:** All perimeter lines and five yard lines will be tufted in. The five yd lines will be tufted on the outside edge of the 15' wide rolls. The 50yd line and 20 yd lines will be white with Purple on the 50 and Vegas Gold on the 20's (4" lines on either side. The perimeter white line shall be tufted into the individual sideline rolls, and measure 6' in width. The coaches box shall be 6' solid white, with 6' Purple Players Box behind it. The end zones will be Purple with 18' letters: CAMDENTON in Vegas Gold, with White trim. The center logo will be 28' C, with camera ready artwork to be supplied. Standard 6' x 4' yard numbers (no G required) will be White Gettysburg font, with Purple Shadowing.
Practice Field: The practice field will be marked for football (as currently shown)and have complete YELLOW soccer lines and a center 28' C. No other markings on the field.
- B. All markings, lettering and lines not tufted in shall be inlaid and comply with all currently applicable National Federation of State High School Association rules and/or any other rules or standards.
- C. Inlaid markings that cannot be tufted into the fabric shall be installed by removal of the existing green fiber and bonding the field markings to seaming tape in the same manner as the seams. The fiber tips shall be equal in height to the surrounding green turf and not create a raised area on the playing surface.

2.6 Shock Absorbency

Shock Impact Attenuation and ball response characteristics are critical to the successful installation of this field. The Contractor shall test the installed field with the Owner's Representative for computerized G-max testing to assure that the installed system meets the Consumer Products Safety Commission requirements. The Contractor shall also be responsible to ensure that the installed system meets the 135 maximum G-max requirements throughout the warranty period. The method used to measure the shock absorbency of the playing system shall be ASTM F-355, Procedure A and ASTM F1936 - 07e1.

2.7 Embedded Items

We do not anticipate any need for replacement of the nailer boards, but if required, the following will apply. Materials will be purchased by the owner and the identified hourly rate for 2 laborers.

- A. All sub-surface synthetic wood blocking and synthetic wood nailer boards shall be of wood polymer composite materials as manufactured by TREX or CHOICE DEK or approved equal.

- B. All sub-surface fasteners shall be fully corrosion resistant materials of hot dipped galvanized or stainless steel type. Zinc or cadmium plated will not be accepted. Wedge Anchors are required and will be on 2' centers minimum, and no more than 6" off the end of a board.

2.8 Manufacturers

Only Manufacturers with the ability to supply synthetic turf (carpet) in strict accordance with the product specifications and installation specifications will be considered for the award.

Part 3 – Execution

3.1 General

- A. The installation shall be performed in full compliance with approved shop drawings.
- B. Only factory-trained technicians, skilled in the installation of athletic caliber synthetic turf systems working under the direct supervision of the synthetic turf manufacturer's installation supervision, shall undertake the placement of the system.
- C. The surface to receive the synthetic turf shall be inspected and certified by the turf manufacturer as ready for the installation of the synthetic turf system and must be perfectly clean as installation commences and shall be maintained in that condition throughout the process.

3.2 Installation

- A. The Owner's Representative will inspect the turf prior to removal from truck to determine that the turf meets specification.
- B. The Contractor Project Superintendent shall thoroughly inspect all materials delivered to the site both for quality and quantity to assure that the entire installation shall have sufficient materials to maintain the schedule.
- C. Synthetic turf shall be loose laid across the field, stretched and attached to the perimeter edge in detail in accordance with the Manufacturer's standard procedures. Turf shall be of sufficient length to permit full cross-field installation. No head or cross seams will be allowed, except as required for inlaid fabric striping or to accommodate programmed cut-outs.
- D. All seams, except for inlaid markings, shall be sewn or bonded via hot melt adhesive per Manufacturer's recommendations. All seams shall be flat, tight and permanent with no separation or fraying. Inlaid markings shall be adhered to a special tape with a high strength polyurethane adhesive applied per the Manufacturer's standard procedures for outdoor applications.

- E. Infill materials shall be installed in accordance with the Manufacturer's standard procedures. The infill material shall be installed to a depth in order to achieve specified G-max requirements.
- F. The Contractor shall provide an adequate size trash container on site during the duration of the project. The trash container shall not be allowed to overflow and shall be dumped regularly. Demolished materials and trash shall not be placed on the ground around or about the trash container. The owner or their representative shall determine the location of the trash container. The school's trash containers shall not be used for disposal.

3.3 Field Markings and Decorations

- A. Game markings, lettering and logos will be inlaid and installed per approved project shop drawings.
- B. All designs, markings, layouts and materials shall conform to all currently applicable Missouri Athletic Association rules and/or other standards that may apply to this type of synthetic turf installation.
- C. Inlaid markings (that cannot be tufted into the fabric) shall be installed by the removal of the existing green turf, and bonding the field marking by means of seaming tape and glue. When installed the fiber tips shall be equal in height to the surrounding green turf and not create a raised area on the playing surface. Shearing or trimming of fibers to achieve this requirement is not allowed.

3.4 Clean Up

- A. Contractor shall provide the labor, supplies and equipment as necessary for final cleaning of surfaces and installed items.
 - B. All usable remnants of new material shall become the property of the Owner.
 - C. The Contractor shall keep the area clean throughout the project and clear of debris, utilizing a job site dumpster.
- C. The surface and project site shall be cleaned as necessary to leave the work area in a clean, immaculate condition ready for immediate occupancy and use by the Owner.

Part 4 - Other Materials and Equipment

A. Repair Materials

Upon Substantial Completion, provide directly to Owner the following items in the minimum quantities specified:

1. Seaming Tape – 200 LF
2. Seaming Adhesive– 6 Caulk Tubes of TurfBond or equal Adhesive
3. Turf – 15' x 10' solid green section of playing field turf, 5'x10' piece of Blue and Red
4. 4" Wide x 10' Long section of each color used as inlays
5. 500 pounds of SBR Rubber infill material

(End of Document)

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