



4201 N. DALE MABRY HIGHWAY  
TAMPA, FLORIDA 33607

BID #23-10

RAYMOND JAMES STADIUM REPAVING PROJECT

MANDATORY PRE-BID CONFERENCE

THURSDAY, MARCH 28, 2024 AT 10:00AM  
*(Entrance B/C Off Himes Avenue at RJS)*

BID DUE DATE:

WEDNESDAY, APRIL 10, 2024  
*(Not Later Than 10:00 am)*

MARCH 2024

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## **GENERAL TERMS, CONDITIONS & PROVISIONS**

SPECIFICATION FOR: Bid 23-10 (Raymond James Stadium Repaving Project Project)

MANDATORY PRE-BID CONF: Thursday, March 28, 2024 at 10:00am

BID DUE DATE: Wednesday, April 10, 2024 not later than 10:00am

PLACE OF BID OPENING: Tampa Sports Authority Office (Entrance B/C off Himes Avenue)

### **GENERAL TERMS, CONDITIONS AND PROVISIONS:**

1. **BIDS:**

Prices must be quoted on the sheet furnished by this department; no other will be accepted. All prices quoted F.O.B. Tampa, Florida. The responsibility for getting the bid to the Authority on or before the stated time and date will be solely and strictly the responsibility of the bidder. The Authority will in no way be responsible for delays caused by the United States Postal Service or a delay caused by any other occurrence. The bidder shall be responsible for reading and completely understanding the requirements and specifications of the item(s) being bid. Bid time will be and must be scrupulously observed. Under no circumstances will bids be delivered after the time specified be considered. Such bids shall be returned to the vendor unopened with the notation, "THIS BID WAS RECEIVED AFTER THE TIME DESIGNATED FOR THE RECEIPT AND OPENING OF BIDS".

2. **EXCEPTIONS TO BID:**

The bidder will list on a separate sheet of paper any exceptions to the conditions of this bid. This sheet will be labeled "EXCEPTIONS TO BID CONDITIONS," and will be attached to the bid proposal. If no exceptions are stated, it will be understood that all general and specific conditions will be complied with, without exception. TSA reserves the right to reject any/all bid exceptions.

3. **MODIFICATION OR WITHDRAWAL OF BID:**

Bidders may request withdrawal of a posted sealed proposal prior to the scheduled bid opening time provided the request withdrawal is submitted to the Purchasing Department, in writing. Withdrawn bids may be resubmitted up to the time designated for the receipt of bids if they are then fully in conformance with the Information/Instruction for Bidders. Bid security, if any is required, shall be in an amount sufficient for the bid as modified or resubmitted.

4. **RIGHT TO REJECT BIDS:**

The Tampa Sports Authority reserves the right to reject any and all bids, to waive any informalities or minor irregularities in the bids received, and to accept that bid which in its judgment, best serves the interest of the Authority. The Authority hereby fully retains full discretion to determine the responsiveness of the bid and Bidder's responsibility, character, fitness, and experience to perform the Work.

Bidders may be disqualified, and rejection of proposals may be recommended to the Authority for any of but not limited to the following causes:

- (A) Failure to use the proposal form furnished by the Authority.
- (B) Lack of signature by an authorized representative on the proposal form.
- (C) Failure to properly complete proposal.
- (D) Evidence of collusion among proposers. Any evidence of agreement or collusion among bidders and prospective bidders acting to illegally restrain freedom of competition by agreement to bid a fixed price, or otherwise, will render the bids of such bidders' void.
- (E) Advance disclosures of any information to any particular bidder which gives that particular bidder any advantage over any other interested bidder, in advance of the opening of bids, whether in response to advertising or an informal request for bids, made or permitted by a member of the governing body of an employee or representative thereof, will operate to void all proposals of that particular bid solicitation or request.
- (F) Omission of proposal guarantee.
- (G) Unauthorized alteration of bid form. The Authority reserves the right to waive any minor informality or irregularity.
- (H) Failure to sign and return any addenda.
- (I) Bids may be rejected, unless the Authority approves the delivery method.
- (J) A final decision to award cannot be made by the Authority due to unseen/unknown circumstances.

5. INCONSISTENCIES ON CONDITIONS:

In the event there are inconsistencies between the General Provisions and other bid terms, or conditions contained herein, the former will take precedence.

6. ADDENDA AND INTERPRETATIONS:

- A. If it becomes necessary to revise any part of this bid, a written addendum will be provided to all bidders. The Authority is not bound by any oral representations, clarifications, or changes made in the written specifications by Authority's employees, unless such clarification or change is provided to bidders in written addendum form from the Procurement Manager. Bidders shall promptly notify the Authority, prior to submission of their Bid Proposal, of any ambiguity, inconsistency, or error they may discover upon examination of the Bidding and Contract Documents or of the site and local conditions.
- B. No interpretation of the meaning of drawings, specifications or other contract documents will be made to any Bidder orally, nor may the Bidder rely on any such pre-bid statements in completing his/her bid.
- C. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the Bid documents which, if issued, will be mailed and/or emailed to all prospective Bidders (at the respective addresses furnished for such purposes or as listed on the Mandatory Pre-Bid Conference Sign-in Sheets (if applicable) prior to the date or time fixed for the opening of bids. The Authority will not be responsible for any other explanations or interpretations of the proposal documents. Failure of any Bidder

to receive any such addendum or interpretation shall not relieve any bidder from any obligation under his bid as submitted. All addenda so issued shall become a part of the Contract Documents.

- D. Each Bidder shall ascertain prior to submitting his/her bid that he/she has received all Addenda issued, and he/she shall acknowledge receipt and inclusion in his/her proposal of all Addenda.

7. AWARD OF CONTRACT:

The Contract/Purchase Order will be awarded to the lowest responsible and responsive Bidder, and whose bid is considered to be in the best interest of the Authority. The determination of the lowest responsive and responsible bidder may involve all or some of the following factors: price, conformity to specifications, financial ability to meet the contract, previous performance, facilities and equipment, availability of repair parts, experience, delivery promise, terms of payments, compatibility as required, other costs and other objectives and accountable factors which are reasonable. This determination will be in the sole discretion of the Authority and based upon the character, fitness, experience, history, and financial status of the Bidder.

- A. The Lowest Bidder is determined by the aggregate amount of the prices set forth in the form of bid or the aggregate amount of the Base Bid, plus any Alternates selected by the Authority.
- B. A Responsive Bidder shall mean a Bidder who has submitted a bid which conforms, in all material respects, to the Bidding Documents.
- C. A Responsible Bidder shall mean a Bidder who has the capability, in all respects, to perform fully the contract requirements and the moral and business integrity and reliability which will assure good faith performance. In determining responsibility, the following criteria will be considered:
  - 1. The ability, capacity, and skill of the Bidder to fulfil the contract or provide the service required.
  - 2. Whether the Bidder can fulfil the contract or provide the service promptly, or within the time specified, without delay or interference.
  - 3. The character, integrity, reputation, judgment, experience, and efficiency of the Bidder.
  - 4. The quality of performance of previous contracts or services. For example, the following information will be considered:
    - a. The administrative and consultant cost overruns incurred by the Authority on previous contracts with Bidder.
    - b. The Bidder's compliance record with contract general conditions on other projects.
    - c. The submittal by the Bidder of excessive and/or unsubstantiated extra cost proposals and claims on other projects.
    - d. The Bidder's record for completion of the work within the Contract Time or within Contract Milestones and Bidder's compliance with scheduling and coordination requirements on other projects.

- e. The Bidder's demonstrated cooperation with the Authority and/or other contractors on previous contracts.
  - f. Whether the work performed, and materials furnished on previous contracts, were in accordance with the Contract Documents.
5. The previous and existing compliance by the Bidder with the laws and ordinances relating to contracts or services.
  6. The sufficiency of the financial resources and ability of the Bidder to perform the contract or provide the service.
  7. The quality, availability and adaptability of the goods or services to the particular use required.
  8. The ability of the Bidder to provide future maintenance and service for the warranty period of the contract.
  9. Whether the Bidder is in arrears to any Owner on debt or contract or is a defaulter on surety to any Owner.
  10. Such other information as may be security by the Authority having bearing on the decision to award the contract, to include, but not limited to:
    - a. The ability, experience, and commitment of the Bidder to properly and reasonably plan, schedule, coordinate and execute the Work.
    - b. Whether the Bidder has ever been debarred from bidding by any other public or private owner or found ineligible for bidding on any other projects.
    - c. Bidder's litigation history and reputation with owners for whom Bidder has previously worked.
    - d. Whether Bidder's contract on other projects has ever been terminated.
    - e. The purpose of the above is to enable the Authority to select the bid which is in the best interest of the Authority. The ability of the low Bidder to provide the required bonds (if applicable) will not of itself demonstrate the responsibility of the Bidder.
    - f. The Authority reserves the right to defer award of this contract for a period of forty-five (45) days after the due date of bids. During this period, the Bidder shall guarantee the prices quoted in his/her bid.

8. BRAND NAMES "OR EQUAL":

Whenever in this Invitation, any particular materials, process and/or equipment are indicated or specified by patent, proprietary or brand name, or by name of manufacturer, such wording will be deemed to be followed by the words "or equal". Proof satisfactory to Authority must be provided by the bidder to show that the alternative product is, in fact, equal to the product required in the specifications.

9. DISCOUNTS:

Discounts for prompt payment offered may be taken into consideration during bid evaluation. Terms of payment offered will be reflected in the space provided on the Bid Proposal forms.

10. TAXES:

The Authority is tax exempt, therefore all applicable Federal, State and Local Taxes, unless otherwise instructed by the Authority shall be excluded in the Bidder's Proposal. Authority reserves the right to direct purchase materials at Contractor's negotiated prices with material providers and thereby generate a tax savings to itself. Authority may also provide Contractor with Tax Exempt Certification number so that Contractor may purchase Authority Designated items tax free.

11. COLLUSION CLAUSE:

Any evidence of agreement or collusion among bidders and prospective Bidders acting to illegally restrain freedom of competition by agreement to bid a fixed price, or otherwise, will render the bids of such bidders' void. Advance disclosures of any information to any particular bidder which gives that particular bidder any advantage over any other interested bidder, in advance of the opening of bids, whether in response to advertising or an informal request for bids, made or permitted by a member of the governing body of an employee or representative thereof, will operate to void all proposals of that particular bid solicitation or request.

12. EEOC/WMBE/DM/DWBE/SBE/S-DV/LGBTQ+:

The Authority is an equal employment opportunity employer and encourages the firms and contractors with whom it does business to likewise follow these principles. WMBE/DM/DWBE/SBE/S-DV/LGBTQIA2+ businesses will be afforded full opportunity to submit bids in response to this Bid and will not be discriminated against on the grounds of race, color, creed, sex, or natural origin in consideration for an award.

13. ASSIGNMENT OF CONTRACTUAL RIGHTS:

It is agreed that the successful bidder will not assign, transfer, convey or otherwise dispose of the contract or its right, title, or interest in or to the same, or any part thereof, without previous written consent of the Authority and any sureties.

14. TIMELY DELIVERY:

Time will be of the essence for any orders placed as a result of this bid. The Authority reserves the right to cancel such orders, or any part thereof, without obligation, if delivery is not made within the time(s) specified on the proposal form.

15. DEFAULT OF CONTRACT:

In case of default by the bidder or contractor, the Authority may procure the items or services from other sources and hold the bidder or contractor responsible for any excess costs occasioned or incurred thereby.

16. ACCEPTANCE OF MATERIAL:

The material delivered under this proposal shall remain the property of the seller until a physical inspection and actual usage of this material and/or service is made, and thereafter is accepted to the satisfaction of the Authority. It must comply with the terms herein and be fully in accord with specifications and of the highest quality. In the event the material and/or services supplied to the Authority is found to be defective or does not conform to specifications, the Authority reserves the right to cancel the order upon written notice to the bidder and return product to bidder at the bidder's expense.

17. IDENTICAL TIE BIDS/PROPOSALS:

In the event two (2) or more Bidders have submitted the lowest and best Bids/Proposals, preference will be given in the following order:

- A. A Bidder who has signed and submitted a Drug-Free Workplace Statement/Form pursuant to Section 287.087 Florida Statutes, with the bid.
- B. A Bidder who is a Service-Disabled Veteran Business and who is currently registered and can provide proof of registration with Hillsborough County Small Business Enterprise and/or the City of Tampa Small Business Enterprise program(s).
- C. A Bidder who is a Minority or Small Business Enterprise and can provide proof of current registration with the Hillsborough County and/or the City of Tampa's Small Business Enterprise program(s).
- D. A Bidder who has its principal place of business in Hillsborough County.
- E. A Bidder who has a place of business located in Hillsborough County.
- F. Otherwise, the bid/proposal may be awarded by coin toss of the best 2 out of 3.

The Authority reserves the right to reject all proposals and issue a rebid if it is deemed to be in the best interest of the Authority.

18. DAMAGE:

Precautions should be taken to prevent damage to all property. In the event that any materials, equipment or other property of the Authority shall be damaged or destroyed by personnel furnished by Contractor, Contractor shall, at its own expense, promptly repair or replace same to the complete satisfaction of Authority. The Contractor shall repair or replace any property damaged because of failure to provide proper or adequate protection to its original state and to the satisfaction of the Owner. Any property damage should be reported to the onsite Director or Manager immediately.

19. EMPLOYEE CONFLICT:

The Tampa Sports Authority will not contract with persons, firms, or corporations where an Authority officer or employee's spouse or child is an officer, partner, director, or proprietor or in which such officer or employee or the officer's or employee's spouse or child, or any combination of them, has a material interest.



20. CONVICTED VENDOR LIST:

In accordance with s.287.133(3) (a), Florida Statutes, prospective Bidders are hereby advised as follows:

- A. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods and services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
- B. A public entity may not accept any bid, proposal, or reply from, award any contract to, or transact any business in excess of the threshold amount provided in s.287.017 for CATEGORY TWO with any person or affiliate on the convicted vendor list for a period of 36 months following the date that person or affiliate was placed on the convicted vendor list unless that person or affiliate has been removed from the list pursuant to paragraph (3)(f). A public entity that was transacting business with a person at the time of the commission of public entity crime resulting in that person being placed on the convicted vendor list may not accept any bid, proposal, or reply from, award any contract to, or transact any business with any other person who is under the same, or substantially the same, control as the person whose name appears on the convicted vendor list so long as that person's name appears on the convicted vendor list.

21. PARTIAL/DUAL BID SUBMITTALS:

If approved by the Authority prior to submittal, bidders may submit partial bids for one or more items or represent up to two (2) manufacturer(s) that are deemed as equals or as listed within the bid document. Tampa Sports Authority reserves the right to make an award to one (1) or multiple vendors. The Authority is not obligated to purchase all items listed on the bid proposal form and may elect to purchase certain "portions" of a submittal instead.

22. OTHER AGENCIES:

Although the Authority and Raymond James Stadium have been identified as to the recipient of the services to be provided by the Contractor, the services, prices, terms, and conditions specified in this Contract shall be available to any other Authority property upon request. Such properties include the Hillsborough County Tournament Sports Plex, Babe Zaharias Golf Course, Rogers Park Golf Course, and Rocky Point Golf Course. All Bidders awarded contracts from this Proposal may, upon mutual agreement, permit any municipality or other governmental agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties. (see attached GPC List) It is understood that at no time will any city, county, municipality, or other agency be obligated for placing an order for any other city, county, municipality, or agency; nor will any city, county municipality or agency be obligated for any bills incurred by any other city, county, municipality, or agency. Further, it is understood that each agency will issue its own purchase order to the awarded Bidder(s).

23. USE OF STATE CONTRACT, GPC, OR COOPERATIVE PURCHASING BIDS/AGREEMENTS:

The Authority reserves the right to utilize applicable State of Florida Contracts, GPC Bids, or those contracts of any other federal, state, or local government entity under the terms of a bid proposal submitted to such entity, provided that such contract is procured in compliance with the procuring entity's law, bylaws, regulations, or

ordinances regarding competitive solicitation, which must provide for full and open competition for any items covered by this specification when the use of same is in the best interest of the Authority.

24. CONTRACT TERMINATION:

The contract may be terminated at any time by the Authority giving written notice to the Contractor sixty (60) days prior to the desired termination date.

25. DUE DILIGENCE:

Due care and diligence have been used in preparing these specifications and related information. However, no warranties are made as to the accuracy and completeness of the required information. It is the responsibility of the Proposer to ensure that they have all the information necessary to affect their proposal. The Authority will not be responsible for the failure on the part of the Proposer to determine the full extent of the risk exposure and Scope of Work required to effectively perform under Contract. Proposers are expected to examine the conditions, Score of Work, Special Conditions, Technical Specifications, and all instructions pertaining to services involved. Failure to do so will be at the Proposer's risk.

26. BID (BOND) SECURITY:

- A. Each bid must be accompanied by (1) cash, (2) a Cashier's or Certified Check of the Bidder, made payable to the Authority, or (3) a bidder's bond on the Bid Bond Form provided herein (if applicable) in an amount not less than 5% of his/her bid. For the purposes of this provision the amount of the bid shall be the Base Bid. The bidders' bond shall be issued by a surety company licensed to conduct business in Florida, which is on the approved U.S. Treasury List, which obtained an A- rating by the latest Best Insurance Guide and which is otherwise acceptable to the Authority. The Bid Bond (or a copy if emailed) must be submitted with your bid proposal.
- B. Said bid security is given as a guarantee that the Bidder will enter into a contract, if awarded the work and, in the case of refusal or failure to so enter into said contract, the security shall be declared forfeited to the Authority. Such security shall be returned to all but the three lowest Bidders within three days after the opening of the bids and the remaining security will be returned within 48 hours after the Authority and the successful Bidder have executed the Contract. If no Contract has been awarded or the bidder has not been notified of the acceptance of his/her bid, within forty-five (45) days of the bid opening, the Bidder may withdraw his bid and request the return of his bid security. If, at the Authority's request, the Bidder agrees to extend and maintain his/her bid beyond the specified 45 days, his/her bid security will not be returned. The Bidder hereby agrees that all Bid prices are firm, fixed prices which the Authority may accept up to 45 days from Bid opening.

27. LIQUIDATED DAMAGES (If Applicable):

The Successful Bidder, upon their failure or refusal to execute the Contract within ten (10) days after receipt, shall forfeit to the Authority the security deposited with his bid, as liquidated damages for such failure or refusal.

28. PUBLIC RECORDS LAW:

Proposer shall treat all documents concerning its contractual obligations under the Agreement as public records and abide by the Florida Laws governing public records (i.e., Sunshine Law). All Public Records requests must be

directed to the Custodian of Public Records at [publicrecords@tampasportsauthority.com](mailto:publicrecords@tampasportsauthority.com), (813) 350-6515, or 4201 North Dale Mabry Highway, Tampa, Florida 33607.

29. ATTORNEY'S FEES:

In the event of a dispute arising under this Agreement, whether or not a lawsuit or other proceeding is filed the prevailing party shall be entitled to recover its reasonable attorneys' fees and costs, including attorneys' fees and costs incurred in litigation entitlement to attorneys' fees and costs, as well as in determining or quantifying the amount of recoverable attorneys' fees and costs. The reasonable costs to which the prevailing party is entitled shall include any costs that are taxable under any applicable statute, rule or guideline, as well as any non-taxable costs reasonably incurred in connection with the dispute, including, but not limited to, costs of investigation, copying, electronic discovery, information technology charges, telephone and mailing costs, consultant and expert witness fees, travel expenses, court reporter fees and transcript charges, and mediator fees, regardless of whether such costs would be otherwise taxable.

30. FORCE MAJEURE:

In the event that either party hereto shall be delayed or hindered in or prevented from the performance required hereunder by reason of strikes, lockouts, labor troubles, failure of power, riots, insurrection, war, acts of God, or other reason of like nature not the fault of the party delayed in performing work or doing acts ("Permitted Delay"), such party shall be excused for the period of time equivalent to the delay caused by such Permitted Delay. Notwithstanding the foregoing, any extension of time for a Permitted Delay shall be conditioned upon the party seeking an extension of time delivering written notice of such Permitted Delay to the other party within ten (10) days of the event causing the Permitted Delay.

31. INCURRED COSTS:

Tampa Sports Authority is not responsible for expenses incurred in attending any Pre-Proposal Conferences, preparation of proposal documents and submitting a proposal; therefore, such costs shall not be included in submitted proposals.

32. EX PARTE COMMUNICATION:

In order to ensure fair evaluation of proposals/bids, ex parte communication initiated by offerors is prohibited from the time the responses are opened until the final decision has been made. No offeror may initiate communication with any City Council Member, County Commissioner or any Tampa Sports Authority director, board member, official, staff, consultant, or employee who is participating in the evaluation process. Any and all communication initiated by an offeror after the responses are opened must be in writing to:

Tampa Sports Authority, Procurement Manager, 4201 N. Dale Mabry Highway, Tampa, FL 33607 and/or via email: [djones@tampasportsauthority.com](mailto:djones@tampasportsauthority.com).

The Evaluation Committee/Staff member may, however, initiate communication with any offeror in order to obtain additional information or clarification necessary for fair evaluation of their bid proposal. Ex Parte communication initiated by an offeror may disqualify that offeror from consideration for this or future Invitations to Bid.

33. PUBLIC DISCLOSURE (Pursuant to Florida's Public Records Act, Chapter 119 F, S.):

- A. Sealed bids or replies to competitive solicitations (RFB, RFP, ITB, etc. are NOT subject to public disclosure until the Authority either 1) issues notice of its intended decision or 2) thirty (30) days have passed after opening of the bids or replies; whichever is earlier.
- B. If the Authority rejects all bids and issues notice of an intent to rebid or reissue the competitive solicitation, the bids, replies, etc. submitted to the first (rejected) solicitation are NOT subject to public disclosure until the matter is rebid and TSA issues notice of its intended decision on the reissued bid or until the reissued bid or solicitation is also withdrawn by the Authority. However, this exemption from public disclosure can last no longer in any event more than 12 months from the date of the initial rejection of all bids.

34. SUNSHINE MEETING LAW EXEMPTIONS (Pursuant to section 286.113, F.S.):

The following meetings are closed to the public; however, the Authority will make recordings of these meetings available to the public 30 days after opening of bids or replies, whichever occurs first.

- A. Meetings where vendors make oral presentations or answer questions as part of a competitive solicitation.
- B. Meetings of a TSA evaluation, grading or negotiating team to discuss negotiation strategy.
- C. Negotiation sessions with vendors.

35. AUTHORIZATION TO DO BUSINESS IN STATE OF FLORIDA:

The Authority requires all companies who are awarded a bid/proposal to provide proof of "active/current" registration with the Florida Department of State; Division of Corporations prior to any start of work or providing of any commodity/good to the Authority.

36. CHANGE ORDERS/ADJUSTMENTS:

The Authority may, at any time, by written order designated or indicated to be a Change Order, make any change or modification in the Work, or add to the Work within the general scope of the Contract specifications in order to complete the said work.

37. NON-EXCLUSIVE CONTRACT:

This is a non-exclusive Contract. The Authority reserves the option to purchase any service(s), materials, or equipment from an alternate source.

38. CONTRACT TERMS/OPTION:

This is a one-time purchase and time is of the essence.

39. LICENSES AND PERMITS:

The Contractor and/or (if applicable) his subcontractors must have and maintain at their expense all necessary and applicable licenses and permits. The Contractor and any of his subcontractors must be licensed by the State of Florida, Hillsborough County, or the City of Tampa to perform all applicable work required under this contract. A copy of the Contractor's license(s) should be submitted to the Authority's Purchasing Department with their Bid Proposal. In the performance of these services, Contractor will fully comply with all the laws and regulations of all Federal, State, County, City and of other governmental authorities or agencies as required by reason of these services or duties to be performed hereunder. Contractor will hold the Authority harmless from any liability which may be imposed upon Authority by reason of any alleged violation of the law by contractor, or for failure to pay taxes or secure necessary licenses or permits.

40. BEST & FINAL OFFERS:

If it is determined by the Procurement Manager that a Best and Final Offer should be considered in conjunction with bid submittals (i.e., tie bids, etc.), a Best and Final Offer request will be issued to the top two (2) lowest, responsive, and responsible bidders. A date and time will be set by the Procurement Manager for Best and Final Offer submissions.

41. E-VERIFY COMPLIANCE:

All terms defined in Fla. Stat. § 448.095 are adopted and incorporated into this section. Pursuant to Fla. Stat. §§ 288.061(6) and 448.095(2), Contractor shall enroll in and verify the work eligibility status of all its newly hired employees using the E-Verify system if it has not already done so as of the date of this Agreement. Contractor is further required to execute an affidavit in the form attached to this Agreement affirming that: (i) it is enrolled and is participating in the E-Verify system, and (ii) it does not knowingly employ any unauthorized aliens. In support of the affidavit, Contractor shall provide Tampa Sports Authority with documentation that it has enrolled and is participating in the E-Verify system. This Agreement shall not take effect until such affidavit is signed by Contractor and delivered to Tampa Sports Authority's authorized representative.

Should a Contractor subcontract for the performance of any work under this Agreement, the Contractor shall require any subcontractor(s) to certify by affidavit that: (i) the subcontractor does not knowingly employ or contract with any unauthorized aliens, and (ii) it has enrolled and is participating in the E-Verify system. Contractor shall maintain a copy of such certification for the duration of the term of any subcontract. Contractor shall also deliver a copy of the certification to Tampa Sports Authority within [number of days] of the effective date of the subcontract.

If Contractor, or any subcontractor of Contractor, knowingly employs or contracts with any unauthorized aliens, or retains an employee or contract with a person that the Contractor or subcontractor subsequently learns is an unauthorized alien, Contractor shall terminate the employment of or contract with the unauthorized alien within [number of days] (the "Cure Period"). Should the Contractor or any subcontractor of the Contractor fail to cure within the Cure Period, Tampa Sports Authority has the right to terminate this Agreement without consequence.

The E-Verify requirements of this Agreement will not apply should the E-Verify system cease to exist.

42. HOUSE BILL 3

NOTICE: This notice is required pursuant to chapter 2023-28, section 20, Laws of Florida, codified in section 287.05701, Florida Statutes as may be amended from time to time. Tampa Sports Authority may not (1) request documentation of or consider a vendor's social, political, or ideological interests when determining whether a vendor is a responsible vendor, or (2) give preference to any vendor based on the vendor's social, political, or ideological interests. A "responsible vendor" is a vendor who has the capability in all respects to fully perform the contract requirements and the integrity and reliability that will assure good father preformation.

§ 287.012(25), Fla. Stat.

**GENERAL TERMS AND PROVISIONS ACKNOWLEDGMENT**

.....

***As the person authorized to sign the statement, I certify that this firm complies fully with all the above requirements.***

\_\_\_\_\_  
*Bidder/Proposer Signature*



## INFORMATION/INSTRUCTION TO BIDDERS

---

### 1. MANDATORY PRE-BID CONFERENCE, QUESTIONS, SUBMISSION, AND BID OPENING:

- A. A mandatory pre-bid conference is scheduled for **Thursday, March 28, 2024 at 10am**. The conference will be held "in person" at the Tampa Sports Authority office at Raymond James Stadium, Entrance B/C off Himes Avenue, Tampa, FL 33607. Please contact Deltecia Jones (Procurement Manager) for directions or further instructions at 813-350-6511. The sign-in sheets at the pre-bid conference are used to determine attendance. Attendance is suggested for the entire duration of the pre-bid conference/meeting. All bidders must be signed in prior to the start of the pre-bid conference/meeting. It is at the discretion of the Authority to admit late vendors to the meeting. Tele-conferences are not allowed for this pre-bid conference.
- B. The final day for asking questions regarding this ITB is **Wednesday, April 3, 2024 not later than 10am**. All questions regarding this ITB must be submitted in writing and emailed to [bids@tampasportsauthority.com](mailto:bids@tampasportsauthority.com) or [djones@tagmpasportsauthority.com](mailto:djones@tagmpasportsauthority.com). To minimize the number of addendums issued, we will respond to all questions near or around the deadline for asking questions. If the questions change the specifications or proposal documents, an addendum will be issued immediately to reflect the change, edit and/or clarification.
- C. Bids will be received by the Tampa Sports Authority and will be opened/reviewed and tabulated on **Wednesday, April 10, 2024 not later than 10am**. Bidders, or their representatives, and other interested people may be present at the opening of proposals. Electronic bid submittals will be allowed for this bid. You can email your bids and supporting documents to [bids@tampasportsauthority.com](mailto:bids@tampasportsauthority.com). If you prefer to drop off your bid, you may do so at Raymond James Stadium, Entrance B/C off Himes Avenue, Tampa, FL 33607. Please inform the security guard at the gate that you need to drop off a bid package to Deltecia Jones, TSA Procurement Manager. If possible, prior to arrival, please email me the name of the person dropping off the bid proposal. Any bids received after the said due date and time, either in person or electronically, will be rejected and returned unopened. If you have any questions regarding our bid submittal process, please contact Deltecia Jones at 813-350-6511.
- D. If paper bids are submitted, bidders shall present a sealed, non-transparent envelope, identified with the project name, bid number and contractor's name. If you prefer to mail your bid for this project, please send it to:
- Tampa Sports Authority, Attn: Deltecia Jones, Procurement Dept.  
4201 N. Dale Mabry Highway, Tampa, FL 33607**
- E. Bids shall be signed in ink by an official of the firm submitting the bid. The bid submitted by a partnership shall list the name of all partners and shall be signed in the partnership name by one of the members of the partnership.
- F. Prices must be quoted on the sheet furnished by the Authority. No other will be accepted. All prices shall be quoted F.O.B. Tampa, Florida.
- G. Bids which have been submitted may not be modified or withdrawn after submission. Negligence on the part of the bidder in the preparation of his bid shall not be grounds for the modification or withdrawal of a bid after the time set for bid opening.



- H. The Bidders shall assume full responsibility for timely delivery to the location designated for receipt of Bids. The responsibility for getting the bid to the Authority on or before the stated time and date will be solely and strictly the responsibility of the Bidder. The Authority will in no way be responsible for delays caused by any express or standard delivery company, courier service and/or the United States Postal Service or a delay caused by any other occurrence or circumstance.
- I. The Bidder shall be responsible for reading and completely understanding the requirements and specifications of the item(s) being bid. Bid time will be and must be scrupulously observed. Under no circumstances will bids be delivered after the time specified be considered. Such bids shall be returned to the vendor unopened with the notation, "THIS BID WAS RECEIVED AFTER THE TIME DESIGNATED FOR THE RECEIPT AND OPENING OF BIDS".

2. **DEFINITIONS:**

A. **THE BID:**

A Bid is a complete and properly signed proposal to do the work or designated portion thereof for the sums stipulated therein, submitted in accordance with the Bidding Documents.

B. **BASE BID:**

The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents as the base, to which work may be added or from which work may be deleted for sums stated in Alternate Bids, if any.

C. **ALTERNATES:**

An Alternate Bid (or Alternate) is an amount stated in the Bid to be added to or deducted from the amount of the Base Bid if the corresponding change in the Work, as described in the Bidding Documents, is accepted. Alternates and associated prices are to be considered as independent of each other and may be selected by the Authority in any combination or not at all.

3. **PREPARATION AND SUBMITTAL OF BID FORM(S):**

- A. Bids shall be submitted utilizing the Bid Form as bound herein, or otherwise provided with the Contract Documents, and shall be complete in every respect. The total bid amount shall be entered in words and figures (if required) in the space provided. Where applicable, the unit price or lump sum items, and their extensions, shall be entered in figures in the respective columns provided for each bid item. All entries shall be typewritten or printed in ink. The signatures of all persons shall be in longhand. Any entry of amount that appears on the face of the bid to have involved an erasure, deletion, white-out and/or substitution or other such change or alteration, shall show by them the initials of the person signing the bid and the date of the change or alteration. Failure to comply with this requirement may be the cause for disqualification or rejection of the bid.
- B. For Unit Price bids, in the event of any discrepancies between the unit prices and the extensions thereof or the total bid amount, the unit prices shall govern. For Lump Sum bids, in the event of a discrepancy between the bid amount in writing (if applicable) and that in figures, the written value shall govern.

- C. Bids shall not contain any conditions, restatement, or qualifications of work to be done, and alternate bids will not be considered unless called for. No oral bids or modifications will be considered.

4. **INDEMNIFICATION:**

- A. Contractor shall defend at its expense, pay on behalf of, hold harmless and indemnify the Authority, its officers, employees, agents, elected and appointed officials and volunteers, RJS Stadium – A Commercial Condominium, Hillsborough County and the City of Tampa (collectively, “Indemnified Parties”) from and against any and all claims, demands, liens, liabilities, penalties, fines, fees, judgments, losses and damages, whether or not a lawsuit is filed, including, but not limited to, costs, expenses and attorneys and experts fees at trial and on appeal (collectively, “Claims”) for damage to property or bodily or personal injuries, including death at any time resulting therefrom, sustained by any persons or entities, which damage or injuries are alleged or claimed to have arisen out of or in connection with, in whole or in part, directly or indirectly:
1. The performance of this Agreement (including any amendments thereto) by Contractor, its employees, agents, representatives, or subcontractors; or
  2. The failure of Contractor, its employees, agents, representatives, or subcontractors to comply and conform with applicable Laws, as hereinafter defined; or
  3. Any negligent act or omission of the Contractor, its employees, agents, representatives, or subcontractors, whether or not such negligence is claimed to be either solely that of the Contractor, its employees, agents, representatives, or subcontractors, or to be in conjunction with the claimed negligence of others, including that of any of the Indemnified Parties; or
  4. Any reckless or intentional wrongful act or omission by the Contractor, its employees, agents, representatives, or subcontractors.
- B. The provisions of this paragraph are independent of, and will not be limited by, any insurance required to be obtained by Contractor pursuant to this Agreement or otherwise obtained by Contractor and shall survive the expiration or earlier termination of this Agreement with respect to any claims or liability arising in connection with any event occurring prior to such expiration or termination.

5. **BASIS OF AWARD**

Award may be made to the lowest responsive and responsible bidder meeting bid specifications, price, and other factors.

6. **DEVIATION**

Bids from vendors which make any exceptions to the specified terms and conditions will be subject to rejection. Bidders requesting information or clarification should contact Deltecia Jones, Procurement Manager at 813-350-6511.

7. **COMPENSATION**

The Authority shall pay the Contractor upon completion and inspection of the work site(s) by an Authority representative. Payment shall be made to the Contractor approximately thirty (30) days after the invoice is received and approved by the office of the Authority. All invoices shall be mailed to Tampa Sports Authority, 4201 North Dale Mabry Highway, Tampa, FL 33607 Attention: Accounts Payable or emailed to [invoices@tampasportsauthority.com](mailto:invoices@tampasportsauthority.com). Please notify the Authority if your payment terms are other than Net 30. All work shall be authorized by the Owner/Representative or his designee. A written Blanket (Annual) Purchase Order may be issued as authorization to proceed with the service.

8. **SUB-CONTRACTING**

The Contractor shall perform this contract. No assignment or subcontracting shall be allowed without the prior consent of the Authority. In the event of a corporate acquisition and/or merger, the Contractor shall provide written notice to the Authority within thirty (30) business days of Contractor's notice of such action or upon the occurrence of said action, whichever occurs first.

9. **WORK SIGN-OFF**

A written report (work ticket) evidence of completion of work at the said location is required. The contractor shall notify the Director or onsite Manager, or designee, immediately upon completion of work at said location to arrange for a site inspection and sign-off for payment. Failure to do so will result in non-approval of payment on invoices for work performed until such a time the evidence of work completion is provided to the Authority.

10. **WORK TICKET**

The Contractor shall submit with its invoice, signed-off work tickets for said work evidencing inspection and acceptance by the Director or onsite Manager or his designee for said location. The invoice shall itemize services performed by the amount due for said work. When submitting an invoice for payment, you must provide to the Authority the number of personnel hours and hourly rate per person.

11. **WORK PERSONNEL & SUPERVISORS**

The contractor shall employ, or have under their control, sufficiently qualified and competent personnel to perform work promptly and in accordance with the contract schedules and requirements expressed in this Bid document.

All the Contractor's personnel must be capable of performing at an effective level in accordance with specifications and industry standards. All work shall be performed in a workmanlike and safe manner and in compliance with all federal, state, and local laws and codes.

The Contractor shall utilize, on this contract, only workers that are skilled in the tasks to which they are assigned. The Authority retains the right to require the reassignment of an employee or employees as the Authority may deem necessary. Reasons for this request may be, but are not limited to: Poor work performance, incompetence, carelessness, disruptive or otherwise objectionable behavior. Any request for reassignment is in no way a call for dismissal. It is to be considered just a request for the individual to be reassigned away from the facility where work is being performed. The contractor shall provide all supervision on site to coordinate and inspect work.

12. **EVENT INTERRUPTION**

Work shall be done in a way to minimize interruption of events that may be held at the time of work. The Manager/Director will provide an event schedule to the awarded vendor for review and scheduling purposes.

13. **OCCUPANT SAFETY**

Work shall be done in such a manner to create a safe working and walking situation for occupants and visitors to the facility(ies). Work shall be done in a manner as to be of little disruption to occupants and visitors to the facility. The work shall be done in a manner that does not compromise the security of the facility or its occupants and/or visitors. Contractors shall provide safety cones, etc. to cordon off the work area(s).

14. **EQUIPMENT AND SUPPLIES SAFETY**

All equipment shall be safety checked prior to utilization on said property and must conform to all applicable State of Florida codes and OSHA regulations, prior to the start of work. The Authority reserves the right to request the removal from the work site any equipment or supply it may feel does not meet the codes or regulations. In addition, the Authority may request the halt of any unsafe practices by the Contractor and/or its employees that are observed during the carrying out of the contracted services. This will in no way relieve the Contractor of complying with the said work.

15. **CLEANING**

All work areas shall be left in a clean and acceptable way. All debris must be removed at the end of each workday and at the end/completion of the said work.

16. **BUILDING RULES:**

If applicable, Contractor crew shall abide by the policies and rules of the venue. Contractors and crew members shall abide by all security procedures required to gain entrance to the venue and its property.

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## **INSURANCE REQUIREMENTS**

During the life of this Agreement, the Licensee shall provide, pay for, and maintain with companies satisfactory to the Authority, the types of insurance described herein. All insurance shall be from responsible insurance companies eligible to do business in the State of Florida and "A" rated by AM Best. **All Liability Policies shall provide that the Tampa Sports Authority, the City of Tampa, Hillsborough County and RJS Condominium Association as additional insureds** but solely in accordance with and subject to the indemnification provisions set forth herein as to the operations of the Licensee under this Agreement and shall also provide the Severability of Interest Provision. The insurance coverage and limits required must be evidenced by properly executed Certificates of Insurance on forms which are to be approved by The Authority and furnished by the Authorized Representative of the insurance company shown in the Certificate with proof that he/she is an authorized representative thereof. In addition, certified, true, and exact copies of all insurance policies required shall be provided to the Authority if requested on a timely basis.

Thirty (30) days prior written notice by registered or certified mail shall be given to the Authority of any cancellation or reduction in the policies' coverage except in the application of the Aggregate Limits Provisions. In the event of a reduction in any Aggregate Limit, the Licensee shall take immediate steps to have it reinstated. If at any time the Authority requests a written statement from the insurance company as to any impairment(s) to the Aggregate Limit, the Licensee shall promptly authorize and have delivered such statement to the Authority. Licensee shall make up any impairment when known to it. The Licensee authorizes the Authority and its Insurance Consultant to confirm all information furnished the Authority, as to its compliance with its insurance carriers. As to the operations of the Licensee, all insurance coverage of the Licensee shall be primary to any insurance or self-insurance program carried out by the Authority.

The acceptance of delivery to the Authority of any Certificate of Insurance evidencing the insurance coverage and limits required in the Agreement does not constitute approval or agreement by the Authority that the insurance requirements in the Agreement have been met or that the insurance policies shown in the Certificate of Insurance are in compliance with the Agreement requirements.

No operations under this Agreement shall commence at the site until the required Certificate of Insurance is received and has been approved by the Authority. Evidence of such insurance approval will be provided to Licensee by the Authority in a Notice to Proceed.

If any General Liability Insurance required herein is to be issued or renewed on a "occurrence" form as opposed to the "claims made" form, the retroactive date for coverage shall be no later than the commencement date of this Agreement and shall provide that in the event of cancellation or non-renewal the discovery period for insurance claims (Tail Coverage) shall be unlimited.

All required insurance coverage shall be issued as required by law and shall be endorsed, where necessary, to comply with the minimum requirements contained herein. Thirty (30) days prior written notice by certified or registered mail shall also be given to:

**Tampa Sports Authority  
4201 N. Dale Mabry Hwy.  
Tampa, Florida 33607**

As to cancellation of any policy and any change that will reduce the insurance coverage required in this Agreement except for the application of the Aggregate Limits Provisions.

Should at any time the Licensee not, in the opinion of the Authority, provide or maintain the insurance coverage required in this Agreement, the Authority may terminate or suspend this Agreement.



The amounts and types of insurance shall conform to the following minimum requirements with the use of Insurance Service Office (ISO) policies, forms, and endorsements or broader where applicable. Notwithstanding the foregoing, the wording of all policies, forms, and endorsements must be acceptable to the Authority.

1. **Workers' Compensation and Employers' Liability** shall be maintained in force during the term of this Agreement for all employees of Licensee engaged in this work under this Agreement, in accordance with the laws of the State of Florida. The Licensee shall provide proof of coverage which includes a waiver of subrogation in favor of the Authority. The amount of the Workers' Compensation and Employers' Liability Insurance shall not be less than:

<b>Florida Statutory Requirements:</b>	<b>\$500,000 Limit Each Accident</b>
	<b>\$500,000 Limit Disease Aggregate</b>
	<b>\$500,000 Limit Disease Each Employee</b>

Should the Licensee have reason to believe they are exempt or have questions related to Workers' Compensation Liability Insurance, they should visit the State of Florida's Division of Workers' Compensation website at:

<https://www.myfloridacfo.com/Division/wc/employer/Exemptions/default.htm>.

If the Licensee is eligible for an exemption, it must be applied for at address above. A copy of the Certificate must also be provided to the Authority.

2. **Commercial General Liability Insurance** shall be maintained by the Licensee. Coverage shall include, but not be limited to, Premises and Operations, Personal Injury, Contractual for the Agreement, Independent Contractors, Broad Form Property Damage including Completed Operations, and Products & Completed Operations Coverage and shall not exclude coverage for the "X" (explosion), "C" (collapse) and "U" (underground) Property Damage Liability exposures. Limits of Coverage shall not be less than:

**Bodily Injury, Personal Injury, & Property Damage Liability:**

<b>\$1,000,000</b>	<b>Combined Single Limit Each Occurrence and Aggregate</b>
<b>\$1,000,000</b>	<b>Each occurrence and Aggregate for Liability under this Specific Agreement. The Aggregate limits shall be separately applicable to this specific engagement.</b>

Should the Licensee's General Liability Insurance be written or renewed on the Comprehensive General Liability Form, then the limits of coverage required shall not be less than:

**Bodily Injury, Personal Injury & Property Damage Liability:**

<b>\$1,000,000</b>	<b>Combined Single Limit Each Occurrence</b>
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3. **Automobile Liability Insurance** shall be maintained by the Licensee as to the Ownership, maintenance, and use of all owned, non-owned, leased or hired vehicles to be used for the engagement with limits of not less than:

**Bodily Injury & Property Damage Liability:**

<b>\$1,000,000</b>	<b>Combined Single Limit Each Occurrence</b>
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**SPECIFICATIONS/SCOPE OF WORK - INSERT**

# **RAYMOND JAMES STADIUM REPAVING PROJECT**

## **1.0 SCOPE**

This specification outlines the requirements for a Contractor to supply all labor, equipment and materials to complete parking lot milling & re-paving, and painting of parking and traffic markings at the Raymond James Stadium parking areas. Project areas would include the main parking areas around the stadium (postage stamp area), the north parking drive lanes and the south parking drive lanes. See the enclosed exhibits showing these work areas. Areas and quantities shown on these exhibits are approximations. Contractor is responsible for estimating areas and quantities.

Due to the nature of the use, this project shall be completed in phases to allow for pedestrian and vehicular operation. The Tampa Sports Authority (TSA) Project Manager for the stadium shall notify the appropriate staff of the status of the project and of the areas where work will be progressing.

## **2.0 REFERENCES**

**Section 230 – Limerock Stabilized Base**

**Section 234 - Superpave Asphalt Base**

**Section 285 - Optional Base Course**

**Section 327 – Milling of Existing Asphalt Pavement**

**Section 330 – Hot Mix Asphalt**

**Section 522 – Concrete Sidewalk & Driveways**

**Section 971 – Pavement Marking Materials**

## **3.0 DEFINITIONS AND ABBREVIATIONS**

<b>TSA</b>	Tampa Sports Authority
<b>ASTM</b>	American Society for Testing and Materials
<b>ADA</b>	Americans with Disabilities Act
<b>ADAAG</b>	Americans with Disabilities Accessibility Act Guidelines
<b>PM</b>	Project Manager



#### 4.0 REQUIREMENTS

A. The following tasks shall be performed by the Contractor:

1. Remove all concrete pavement areas adjacent to the handicap parking spaces. Remove pedestrian sidewalks adjacent to the handicap parking areas. Remove the ribbon curbs in the parking lot in the areas adjacent to the handicap parking in the NW and SE areas of the postage stamp area. See exhibits for these locations. In areas where the concrete is removed, additional subgrade, subbase and base preparation must be provided. It is expected that some base material would need to be added prior to paving these areas.
2. Remove and store all wheel stops. Broken or cracked wheel stops shall be replaced. Remove all signs, as needed. Signs will be installed after paving work is completed.
3. The Contractor shall edge all abutting grass areas up to the asphalt areas to allow for a clear milling area.
4. Saw cut edges of the pavement to be milled along areas abutting asphalt pavement areas to remain, and mill one (1) inch of material over the entire parking areas as shown on the exhibits. Cut and remove all pothole areas and damaged asphalt down to the base of the original pavement. If the base material has been compromised in pot holed areas, it shall be removed and recompact.
5. Clean milled areas of all dirt and loose debris prior to tacking and repaving with one (1) inch of SP12.5 asphalt material. Ensure placement of asphalt will be sloped to drain toward existing inlets and is set flush with existing inlets, curb & gutter pans and adjacent sidewalks.
6. After repaving and the pavement has been allowed ample time to properly cure, the Contractor shall paint all parking and traffic markings using acrylic latex traffic paint with sand added for slip resistance
  - a. Four inch wide parking space lines in safety white
  - b. Four inch wide ADA parking space lines in handicap blue for ADA accessible spaces with adjacent walkways in accordance with all ADAAG regulations
  - c. The ADA symbol shall be painted in the center of each ADA parking space in handicap blue
  - d. Existing or new wheel stops in ADA spaces shall be painted in handicap blue
  - e. 24" wide white stop lines at all stop signs

- B. The Contractor shall properly replace and space existing wheel stops, and anchor them in place with rebar.
- C. The Contractor shall replace all missing or damaged wheel stops for all vehicle parking spaces located on asphalt surfaces
- D. The Contractor shall have a minimum of five years experience in asphalt milling & repaving.
- E. Notification of the project start date shall be given to the TSA PM a minimum of two days prior to the start of work in order to allow employee and vendor notification of parking area closures
- F. Contractor shall provide the TSA PM with a schedule of work and the schedule will be agreed upon by both parties
- G. Contractor shall offer a minimum warranty of one year against material and workmanship
- H. Contractor shall supply the TSA with a minimum of three recent projects and the dates of completion.
- I. A site visit is suggested to verify square footage of asphalt areas, damages noted and items to be replaced and painted prior to bid submittals

# VICKSTROM ENGINEERING SERVICES, INC.

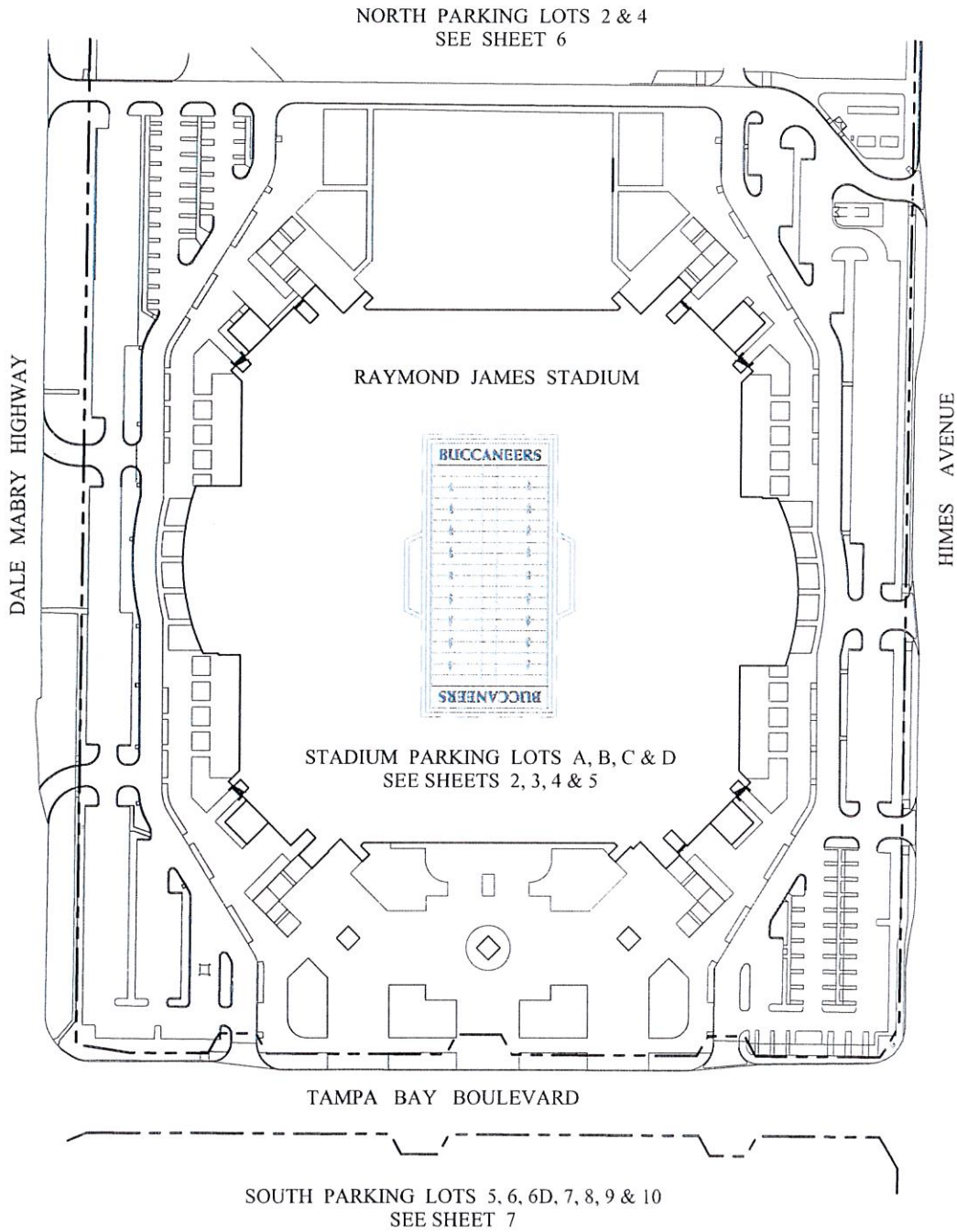
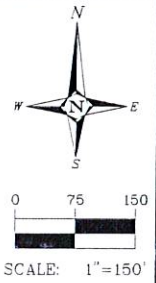
132 MIRROR LAKE DRIVE N, SUITE 202, ST. PETERSBURG, FLORIDA 33701

O (727) 894-0404 - M (813) 426-5267

## Raymond James Stadium Parking Repairs

2/5/2024

Description	Quantity	
Postage Stamp Area		
Asphalt Milling & Repaving & Striping	37200	sy
Sidewalk Demolition & Replacement	675	sy
Removal of Old Concrete H/C Pads	680	sy
North Parking Area		
Milling & Repaving Asphalt Drives	16400	sy
South Parking Area		
Milling & Repaving Asphalt Drives	18200	sy



SHEET 1	DATE:	02.09.24
	SCALE:	1"=150'
	DESIGNED BY:	DMV
	CHECKED BY:	DMV
	PROJECT NO.:	13529

# OVERALL LOCATION PLAN RAYMOND JAMES STADIUM PARKING AREA RE-PAVING PROJECT - 2024



132 Minor Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30184

**VICKSTROM**  
ENGINEERING SERVICES, INC.

DALE MABRY HIGHWAY

SEE SHEET 6

0 30 60  
SCALE: 1" = 60'



RE-PAVE CONCRETE  
WALKS - 3,532 S.F.

REMOVE CONC. H/C AISLE &  
RE-PAVE W/ ASPHALT - 2,950 S.F.

PROPOSED ASPHALT  
PAVEMENT (SP-12.5) - 308 S.F.  
(1 H/C PARKING SPACE W/  
5' AISLE - 8'x23' + 5'x23' AISLE  
TO MATCH EX. H/C PARKING)

MILL 1" & RE-PAVE W/  
SP-12.5 - 332,458 S.F.

ALL QUANTITIES SHOWN  
ARE APPROXIMATE.  
CONTRACTOR IS RESPONSIBLE  
FOR DETERMINING QUANTITIES.

PROPOSED ASPHALT  
PAVEMENT - 1,585 S.F.  
(SP-12.5)  
(11 PARKING SPACES  
99'x16' TOTAL - 9'x16' EACH SPACE)

SEE SHEET 3

RAYMOND JAMES STADIUM

SEE SHEET 5

BUCCA

STADIUM PARKING - LOT A  
RAYMOND JAMES STADIUM  
PARKING AREA RE-PAVING PROJECT - 2024



132 Mirror Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30184

DATE:	02/09/24
SCALE:	1"=60'
DRAWN BY:	NES
CHECKED BY:	DMV
PROJECT NO.:	13529
SHEET 2	



SEE SHEET 6

0 30 60  
SCALE: 1" = 60'



MILL 1" & RE-PAVE W/  
SP-12.5 - 332,458 S.F.

ALL QUANTITIES SHOWN  
ARE APPROXIMATE.  
CONTRACTOR IS RESPONSIBLE  
FOR DETERMINING QUANTITIES.

SEE SHEET 2

ANEERS

0+00
0+10
0+20
0+30
0+40
0+50
0+60
0+70
0+80
0+90
1+00

RAYMOND JAMES STADIUM

HIMES AVENUE

SEE SHEET 4

STADIUM PARKING - LOT B

RAYMOND JAMES STADIUM  
PARKING AREA RE-PAVING PROJECT - 2024

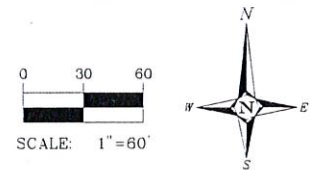


132 Mirror Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30184

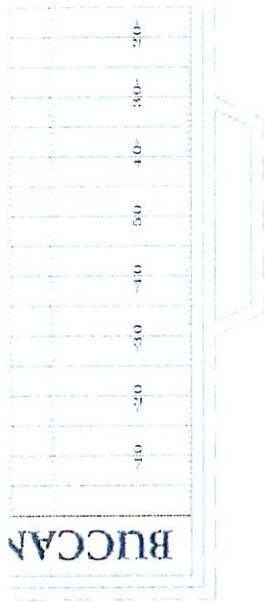
SHEET 3

REVISIONS
DATE: 02/29/24
SCALE: 1"=60'
DRAWN BY: KES
CHECKED BY: DAW
PHOT. NO. 13529

SEE SHEET 3



RAYMOND JAMES STADIUM



ALL QUANTITIES SHOWN  
ARE APPROXIMATE.  
CONTRACTOR IS RESPONSIBLE  
FOR DETERMINING QUANTITIES.

MILL 1" & RE-PAVE W/  
SP-12.5 - 332,458 S.F.

REMOVE CONC. H/C AISLE &  
RE-PAVE W/ ASPHALT - 3,132 S.F.

RE-PAVE CONCRETE  
WALKS - 2,523 S.F.

SEE SHEET 5

HIMES AVENUE

TAMPA BAY BOULEVARD

SEE SHEET 7

STADIUM PARKING - LOT C

RAYMOND JAMES STADIUM  
PARKING AREA RE-PAVING PROJECT - 2024



132 Mirror Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30184

DATE	02/09/24
SCALE	1"=60'
DRAWN BY	KES
CHECKED BY	DW
PROJ. NO.	13529
SHEET	4



ALL QUANTITIES SHOWN  
ARE APPROXIMATE.  
CONTRACTOR IS RESPONSIBLE  
FOR DETERMINING QUANTITIES.

MILL 1" & RE-PAVE W/  
SP-12.5 - 332,458 S.F.

— EX. UPLINK PEDESTAL

SEE SHEET 4

IDDALE MABRY HIGHWAY

TAMPA BAY BOULEVARD

SEE SHEET 7

STADIUM PARKING - LOT D

RAYMOND JAMES STADIUM  
PARKING AREA RE-PAVING PROJECT - 2024



**VICKSTROM**  
ENGINEERING SERVICES, INC.

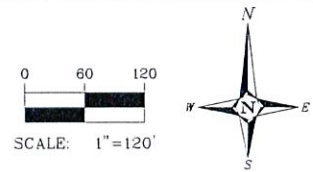
132 Mirror Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30184

SHEET 5

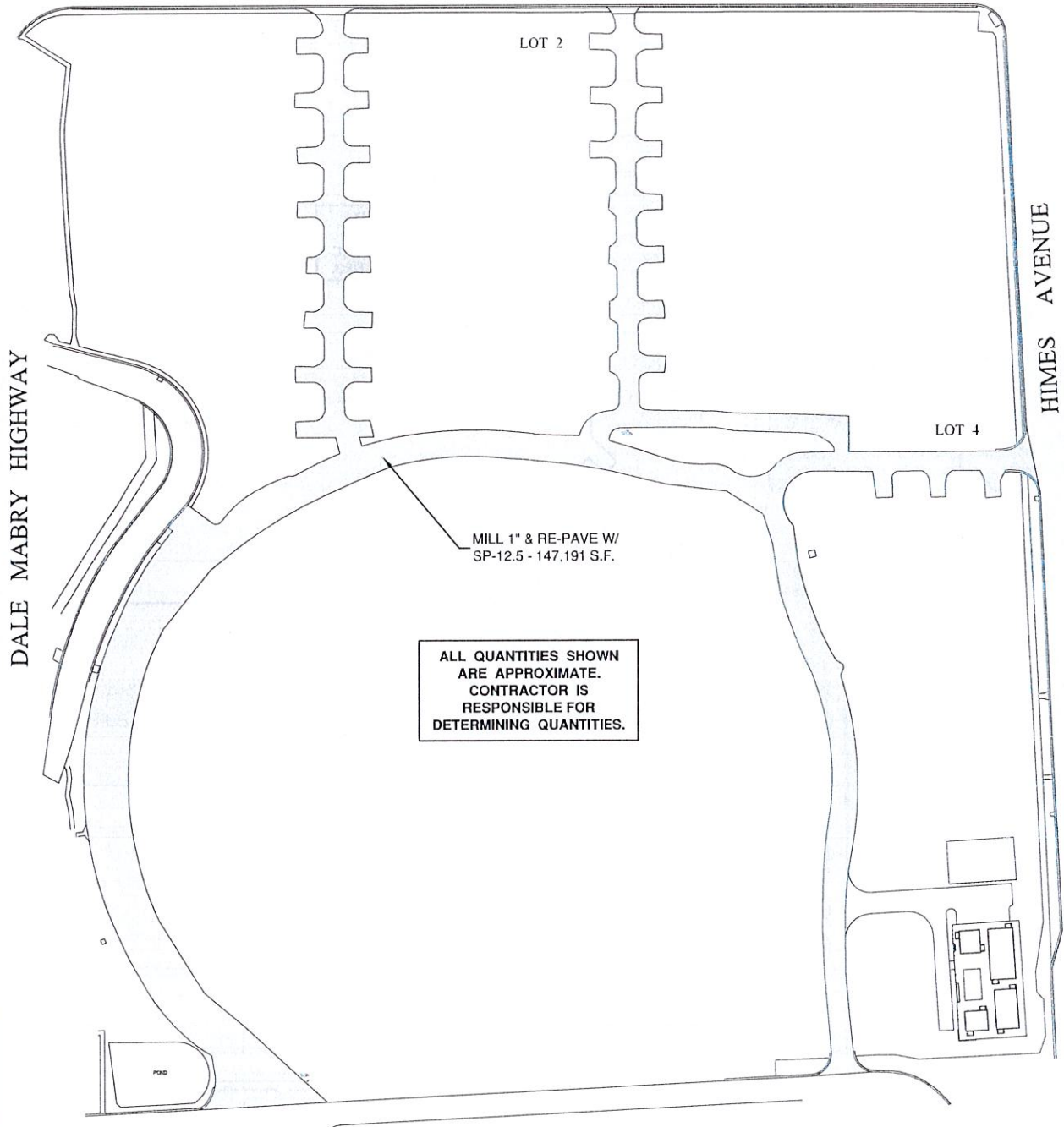
DATE:	02.09.24
SCALE:	1"=60'
DRN. BY:	KES
CHKD. BY:	DMV
PROJ. No.	13529

## PREVISIONS





DR. MARTIN LUTHER KING JR. BOULEVARD



ALL QUANTITIES SHOWN  
ARE APPROXIMATE.  
CONTRACTOR IS  
RESPONSIBLE FOR  
DETERMINING QUANTITIES.

SEE SHEETS 2 & 3

SHEET 6	DATE	02-09-24
	SCALE	1"=120'
	DRAWN BY	KES
	CHECKED BY	DMV
	PROJECT No.	13529

STADIUM PARKING - NORTH LOTS 2 & 4

RAYMOND JAMES STADIUM  
PARKING AREA RE-PAVING PROJECT - 2024



132 Mirror Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30184

SEE SHEETS 4 & 5  
TAMPA BAY BOULEVARD

0 60 120  
SCALE: 1"=120'



LOTS 5/7

ALL QUANTITIES SHOWN  
ARE APPROXIMATE.  
CONTRACTOR IS  
RESPONSIBLE FOR  
DETERMINING  
QUANTITIES.

MILL 1" & RE-PAVE W/  
SP-12.5 - 161,798 S.F.

LOT 6D

LOT 9

LOT 6

LOTS 8/10

NEW YORK YANKEES  
MINOR LEAGUE FACILITY

DALE MABRY HIGHWAY

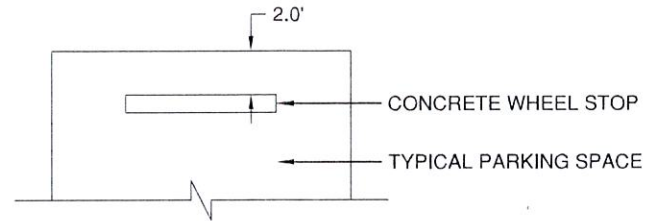
HIMES AVENUE

STADIUM PARKING  
SOUTH LOTS 5, 6, 6D, 7, 8, 9 & 10  
RAYMOND JAMES STADIUM  
PARKING AREA RE-PAVING PROJECT - 2024



132 Mirror Lake Drive N., Suite 202  
St. Petersburg, FL 33701  
Telephone No. (727) 894-0404  
Registry No. 30154

DATE	BY	CHK'D BY	APP'D
02/08/24	KES	DMV	
SCALE: 1"=120'			
PROJ. No. 13529			
SHEET 7			



PLACE CONCRETE WHEEL STOP 2.0' FROM FRONT  
OF PARKING SPACE TO BACK OF WHEEL STOP.

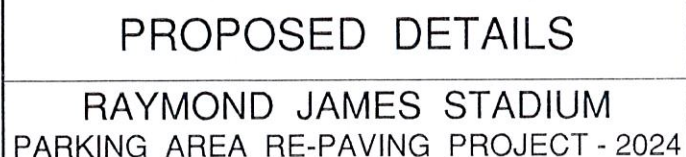
NOT TO SCALE



- NOT TO SCALE



NOT TO SCALE



DATE:	02.09.24
SCALE:	N.T.S.
DRN. BY:	KES
CHK'D. BY:	DMV
PROJ. No.	13529
SHEET 8	

## **SPECIFICATIONS SECTIONS**

**Section 230 – Limerock Stabilized Base**

**Section 234 - Superpave Asphalt Base**

**Section 285 - Optional Base Course**

**Section 327 – Milling of Existing Asphalt Pavement**

**Section 330 – Hot Mix Asphalt**

**Section 522 – Concrete Sidewalk & Driveways**

**Section 971 – Pavement Marking Materials**

## SECTION 230 LIMEROCK STABILIZED BASE

### 230-1 Description.

Construct a base course composed of roadbed soil stabilized with limerock.

### 230-2 Materials.

Meet the limerock material requirements as specified in Section 911.

### 230-3 Equipment.

**230-3.1 For Mixing:** For mixing in the roadway, provide a heavy-duty rotary tiller or other equipment approved by the Engineer as equally effective for this work.

**230-3.2 For Compaction:** Select the equipment for compacting the stabilized material, except that for the final finish use a steel-wheeled roller.

### 230-4 Preparation of Roadbed.

Complete the area to be stabilized to the lines shown in the Plans and to a grade parallel to the finished elevation of the stabilized base, before adding the stabilizing material. Ensure that the elevation of the roadbed is such that the base will conform to the typical cross-section upon completing the work. Dispose of any surplus excavated materials resulting from this work, as specified in 120-5.

### 230-5 Incorporation of Stabilizing Material and Mixing-In.

**230-5.1 Spreading and Mixing:** Place the limerock on the areas to be stabilized, and spread it uniformly to the loose depth shown in the Plans or ordered by the Engineer. Then, thoroughly mix the limerock with the soil. Perform mixing as soon as practicable but not later than one week after placing the limerock on the road. Do not spread more limerock in advance of the mixing operations than can be mixed-in with the soil within one week.

**230-5.2 Further Mixing Operations:** Repeat the mixing operations as often as may be necessary to distribute the limerock uniformly throughout the soil, as determined by the Engineer. Further manipulate the material to uniformly distribute the limerock throughout the width and depth of the base course.

**230-5.3 Plant Mixing:** The Contractor may mix the soil, limerock, and water using the central plant-mix method in lieu of mixing in place, provided he obtains a uniform mixture with the proper amount of water.

**230-5.4 Shaping Surface:** After mixing, shape the surface so it conforms to the grade and typical cross-section shown in the Plans after compacting.

**230-5.5 Depth of Mixing Stabilizing Material:** Ensure that the depth of mixing of the stabilizing material is in accordance with the following table:

Specified Base Thickness (inches)	Required Mixing Depth (inches)	
	Minimum	Maximum
6	5 1/2	7 1/2
8	7 1/4	9 3/4
10	9	12



In the event that the measured depth of mixing is less than the minimum specified above, remix the base course, as directed by the Engineer, until the stabilizing material is distributed to the required depth throughout the base course.

Where the measured depth of mixing exceeds the maximum limits specified in the table, add 1 inch, loose measure, of stabilizing material for each 1 inch of mixing depth in excess of the allowable depth (but in no case less than 1 inch of material, for any excess depth), and mix the added material in the top 6 inches of the base as specified in 230-5.1 and 230-5.2, at no expense to the Department. The Department will not include the volume of stabilizing material, which is added to compensate for excess mixing depth, in the pay quantity, and will not allow any additional compensation for the extra mixing required.

**230-6 Compacting and Finishing Base.**

Meet the requirements of 200-6.

**230-7 Testing Surface.**

Test the surface in accordance with the requirements of 200-7.

**230-8 Priming and Maintaining.**

Meet the requirements of 200-8.

**230-9 Method of Measurement.**

**230-9.1 General:** The quantities to be paid for will be the plan quantity, in square yards, completed and accepted.

**230-9.2 Quantity of Limerock:** The quantity to be paid for will be as specified in 210-8.2.

**230-10 Basis of Payment.**

Prices and payments will be full compensation for all work specified in this Section, including furnishing, hauling, placing, spreading, mixing, compacting, prime coat application as specified in 300-7 and finishing all limerock stabilizing material; any necessary excavating below the finished grade of the base to provide for placing the stabilizing material; and disposing of all surplus excavation resulting from this work.

Where extra limerock material is placed at locations of culverts, etc., as detailed in the Plans, the volume of such material, determined as provided above, will be included in the quantity of limerock material to be paid for, but no adjustment will be made in the area of base to be paid for.

Payment will be made under:

- |                  |   |
|------------------|---|
| Item No. 230- 1- | Limerock Stabilized Base - per square yard. |
| Item No. 230- 2- | Limerock Material - per cubic yard.         |

## SECTION 234 SUPERPAVE ASPHALT BASE

### 234-1 Description.

Construct a Superpave asphalt concrete base course as defined in these Specifications. Base course mixes are designated as Type B-12.5. The Contractor may use a Type SP-12.5 mixture, (Traffic Level B or C) in lieu of a Type B-12.5. The Contractor may substitute a SP 12.5 Traffic Level D or E mixtures in lieu of Type B-12.5 mixtures, not to exceed 500 tons for a project, at no extra cost to the Department, if approved by the Engineer.

Obtain Superpave asphalt base from a plant that is currently on the Department's Production Facility Listing. Producers seeking inclusion on the list shall meet the requirements of Section 105.

### 234-2 Materials.

**234-2.1 General:** Use materials that conform to the requirements of Division III. Specific references are as follows:

Superpave PG Asphalt Binder ..... Section 916  
Coarse Aggregate, Stone, Slag or  
Crushed Gravel ..... Section 901  
Fine Aggregate ..... Section 902

**234-2.2 Reclaimed Asphalt Pavement (RAP):** RAP may be used as a component material of the asphalt mixture provided the requirements of 334-2.3 are met.

### 234-3 General Composition of Mixture.

**234-3.1 General:** Compose the asphalt mixture using a combination of aggregate (coarse, fine or mixtures thereof), mineral filler if required, and asphalt binder material. Size, grade and combine the aggregate fractions to meet the grading and physical properties of the mix design. Aggregates from various sources may be combined.

**234-3.2 Mix Design:** Unless otherwise specified, design the mix such that all requirements for a Type SP-12.5, Traffic Level B or C mixture as specified in Section 334 are met.

**234-3.2.1 Gradation Classification:** Use a fine mix as defined in 334-3.2.2.1.

**234-3.2.2 Aggregate Consensus Properties:** Meet the aggregate consensus properties at design as specified in 334-3.2.3. Meet the criteria specified for a depth of top of pavement layer from surface of greater than 4 inches.

**234-3.2.3 Mix Design Revisions:** Meet the requirements of 334-3.3.

### 234-4 Contractor's Process Control.

Meet the requirements of 320-2, 330-2 and 334-4.

### 234-5 Acceptance of the Mixture.

The mixture will be accepted in accordance with the requirements of 334-5. Use the permissible variations from longitudinal and transverse grades as specified in 200-7.

### 234-6 Plant, Methods and Equipment.

Meet requirements of Section 320, with the following modifications:

**234-6.1 Paving Equipment:** A motor grader may be used to spread the first course of multiple course bases when the subgrade will not support the use of a mechanical spreader. The Engineer will not require mechanical spreading and finishing equipment for the construction of base widening strips less than 6 feet in width or where the shape or size of the area will not accommodate mechanical spreading and finishing equipment.

**234-6.2 Compaction Equipment:** In areas where standard rollers cannot be accommodated, vibratory rollers supplemented with trucks, motor graders, or other compaction equipment approved by the Engineer may be used.

#### **234-7 Construction Requirements.**

**234-7.1 General:** Meet the general construction requirements of Section 330, with the following modifications:

**234-7.1.1 Temperature Limitations:** Spread the mixture only when the air temperature is at least 40°F. Do not place the material on frozen subgrade.

**234-7.1.2 Tack Coat:** Unless otherwise authorized by the Engineer, apply a tack coat between successive layers of base material.

**234-7.1.3 Thickness of Layers:** Construct each course in layers not to exceed 3 inches compacted thickness.

#### **234-8 Thickness Requirements.**

**234-8.1 General:** The total thickness of the Type B asphalt layers will be the plan thickness as shown in the Contract Documents. Before paving, propose a thickness for each individual layer meeting the requirements of this specification, which when combined with other layers (as applicable) will equal the plan thickness. For construction purposes, the plan thickness and individual layer thickness will be converted to spread rate based on the maximum specific gravity of the asphalt mix being used, as well as the minimum density level, as shown in the following equation:

$$\text{Spread rate (lbs. per square yard)} = t \times G_{mm} \times 43.3$$

Where:  $t$  = Thickness (in.) (Plan thickness or individual layer thickness)

$G_{mm}$  = Maximum specific gravity from the verified mix design

The weight of the mixture shall be determined as provided in 320-3.2. For target purposes only, spread rate calculations should be rounded to the nearest whole number.

**234-8.2 Spread Rate Tolerance:** Control the average spread rate on a daily basis to within plus or minus 5% of the target spread rate for the individual layers established by the Engineer. When the average daily spread rate is outside this tolerance from the target, adjust the spread rate to the required value established by the Engineer. The Engineer will periodically verify the spread rate at the job site during the paving operation.

**234-8.3 Allowable Deficiencies:** The Engineer will allow a maximum deficiency from the specified spread rate for the total thickness as follows:

1. For pavement of a specified thickness of 2-1/2 inches or more: 50 pounds per square yard.
2. For pavement of a specified thickness of less than 2-1/2 inches: 25 pounds per square yard.

**234-8.4 Pavement Exceeding Allowable Deficiency in Spread Rate:** Where the deficiency in spread rate for the total thickness is in excess of 50 pounds per square yard for pavements with a specified thickness of 2-1/2 inches or more, or in excess of 25 pounds per



square yard for pavements with a specified thickness of less than 2-1/2 inches, the Engineer may require removal and replacement at no cost or may require a correction as specified in 234-8.5. The Engineer may require the Contractor to core the pavement for thickness in order to determine the area of pavement with deficient thickness.

As an exception to the above, the Contractor may leave pavement outside the main roadway in place without compensation when the Engineer allows, even though the deficiency exceeds the tolerance as specified above.

The Department will not compensate the Contractor for any pavement removed or for the work of removing such pavement.

**234-8.5 Correcting Deficiency by Adding New Surface Material:** In the event the total thickness as determined by the spread rate is excessively deficient as defined above and if approved by the Engineer for each particular location, correct the deficient thickness by adding new surface material and compacting it using a rolling pattern as approved by the Engineer. The Engineer will determine the area to be corrected and the thickness of new material added. Perform all overlaying and compacting at no expense to the Department.

#### **234-9 Method of Measurement.**

The quantity to be paid for will be the plan quantity. For each pay item, the pay area will be adjusted based upon the following formula:

Pay Area = Surface Area (actual tonnage placed/adjusted plan quantity tonnage).

Where: The adjusted plan quantity tonnage is calculated by multiplying the plan quantity square yards (including any Engineer approved quantity revisions ) times the spread rate as defined in 234-8.1 and dividing by 2,000 pound./ton, except the pay item's tonnage-weighted average  $G_{mm}$  is used instead of the design  $G_{mm}$  as defined in 234-8.1.

The pay area shall not exceed 105% of the designed surface area.

Prepare a Certification of Quantities, using the Department's current approved form, for the certified Superpave asphalt base pay item. Submit this certification to the Engineer no later than Twelve O'clock noon Monday after the estimate cut-off or as directed by the Engineer, based on the quantity of asphalt produced and accepted on the Contract. The certification must include the Contract Number, FPID Number, Certification Number, Certification Date, period represented by Certification, and the tons produced for each asphalt pay item.

#### **234-10 Basis of Payment.**

Prices and payments will be full compensation for all work specified in this Section, including the applicable requirements of Sections 320, 330 and 334. The bid price for the asphalt mix will include the cost of the liquid asphalt binder or the asphalt recycling agent and the tack coat application as directed in 300-8. For the calculation of unit price adjustments of bituminous material specified in 9-2.1.1, the average asphalt binder content of the base mixes to be used in these calculations is set at 6.25%.

Payment will be made under:

Item No. 285- 7- Optional Base - per square yard.

## SECTION 285 OPTIONAL BASE COURSE

### 285-1 Description.

Construct a base course composed of one of the optional materials shown on the typical cross-sections.

### 285-2 Materials.

Meet the material requirements as specified in the Section covering the particular type of base to be constructed.

Graded Aggregate .....	Section 204
Asphalt .....	Section 234
Reclaimed Asphalt Pavement (RAP)* .....	Section 283
Limerock .....	Section 911
Shell Base.....	Section 911
Shell-Rock.....	Section 911
Cemented Coquina.....	Section 911
Recycled Concrete Aggregate (RCA)** .....	Section 911

\*Only for use on non-limited access paved shoulders, shared use paths, or other non-traffic bearing applications.

\*\*Do not use on interstate roadways.

### 285-3 Selection of Base Option.

The Plans will include typical cross-sections indicating the various types of base construction (material and thickness) allowable.

When base options are specified in the Plans, use only those options. When base options are not specified, select one base option as allowed for each typical cross-section shown in the Plans. Only one base option is permitted for each typical cross-section. See Tables 285-1 and 285-2 for optional base materials, thickness and additional restrictions.

Notify the Engineer in writing of the base option selected for each typical cross-section at least 45 calendar days prior to beginning placement of base material.

Table 285-1: Optional Base Groups 1 through 7							
Base Materials	Base Group (Base Group Pay Item)						
	1 (701)	2 (702)	3 (703)	4 (704)	5 (705)	6 (706)	7 (707)
Limerock, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Cemented Coquina, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Shell Rock, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Bank Run Shell, LBR 100	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Recycled Concrete Aggregate, LBR 150 <sup>(1)</sup>	4"	5"	5-1/2"	6"	7"	8"	8-1/2"
Graded Aggregate Base, LBR 100	4-1/2"	5-1/2"	6-1/2"	7-1/2"	8-1/2"	9"	10"
Type B-12.5	4" <sup>(3)</sup>	4" <sup>(3)</sup>	4" <sup>(3)</sup>	4" <sup>(3)</sup>	4-1/2"	5"	5-1/2"

Table 285-1: Optional Base Groups 1 through 7							
Base Materials	Base Group (Base Group Pay Item)						
	1 (701)	2 (702)	3 (703)	4 (704)	5 (705)	6 (706)	7 (707)
B-12.5 and 4" Granular Subbase, LBR 100 <sup>(2)</sup>	-	-	-	-	-	-	-
RAP Base <sup>(4)</sup>	5" <sup>(4)</sup>	-	-	-	-	-	-
(1) Do not use on interstate roadways. (2) The construction of both the subbase and Type B-12.5 will be bid and used as Optional Base. Granular subbases include limerock, cemented coquina, shell rock, bank run shell, recycled concrete aggregate and graded aggregate base. All subbase thicknesses are 4" minimum. (3) Based on minimum practical thickness. (4) Only for use on non-limited access paved shoulders, shared use paths, or other non-traffic bearing applications. (5) To be used for widening, three feet or less.							

Table 285-1(continued): Optional Base Groups 8 through 15								
Base Materials	Base Group (Base Group Pay Item)							
	8 (708)	9 (709)	10 (710)	11 (711)	12 (712)	13 (713)	14 (714)	15 (715)
Limerock, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Cemented Coquina, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Shell Rock, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Bank Run Shell, LBR 100	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Recycled Concrete Aggregate, LBR 150 <sup>(1)</sup>	9-1/2"	10"	11"	12"	12-1/2"	13-1/2" <sup>(5)</sup>	14" <sup>(5)</sup>	-
Graded Aggregate Base, LBR 100	11"	12"	13"	14"	-	-	-	-
Type B-12.5	5-1/2"	6"	6-1/2"	7"	7-1/2"	8"	8-1/2"	9"
B-12.5 and 4" Granular Subbase, LBR 100 <sup>(2)</sup>	-	4"	4-1/2"	5"	5-1/2"	6"	6-1/2"	7"
RAP Base <sup>(4)</sup>	-	-	-	-	-	-	-	-
(1) Do not use on interstate roadways. (2) The construction of both the subbase and Type B-12.5 will be bid and used as Optional Base. Granular subbases include limerock, cemented coquina, shell rock, bank run shell, recycled concrete aggregate and graded aggregate base. All subbase thicknesses are 4" minimum. (3) Based on minimum practical thickness. (4) Only for use on non-limited access paved shoulders, shared use paths, or other non-traffic bearing applications. (5) To be used for widening, three feet or less.								

Table 285-2: Limited Use Optional Base Groups <sup>(1)</sup>								
Base Materials	Base Group (Base Group Pay Item)							
	101 (701)	102 (702)	103 (703)	104 (704)	105 (705)	106 (706)	107 (707)	108 (708)
Limerock Stabilized, LBR 70	5"	6-1/2"	8"	9"	10"	11"	12-1/2"	-
Shell, LBR 70	5"	6-1/2"	8"	9"	10"	11"	12-1/2"	-
Shell Stabilized, LBR 70	7"	8-1/2"	9-1/2"	10-1/2"	12"	-	-	-

Table 285-2: Limited Use Optional Base Groups <sup>(1)</sup>								
Base Materials	Base Group (Base Group Pay Item)							
	101 (701)	102 (702)	103 (703)	104 (704)	105 (705)	106 (706)	107 (707)	108 (708)
Sand-Clay, LBR 75	5"	6-1/2"	8"	9"	10"	11"	12-1/2"	-
Soil Cement (300 psi) (Plant Mixed)	5"	5-1/2"	6-1/2"	7-1/2"	8-1/2"	9"	10"	11"
Soil Cement (300 psi) (Road Mixed)	5"	5-1/2"	6-1/2"	7-1/2"	8-1/2"	-	-	-
Soil Cement (500 psi) (Plant Mixed)	4" (2)	4"	5"	5-1/2"	6"	7"	7-1/2"	8-1/2"
(1) Use only when specified in the Plans.								
(2) Based on minimum practical thicknesses.								

#### 285-4 Construction Requirements.

Construct the base in accordance with the Section covering the particular type of base to be constructed.

Graded Aggregate .....	Section 204
Asphalt .....	Section 234
Reclaimed Asphalt Pavement (RAP)* .....	Section 283
Limerock .....	Section 200
Shell Base.....	Section 200
Shell Rock.....	Section 200
Cemented Coquina.....	Section 200
Recycled Concrete Aggregate (RCA)** .....	Section 200

\*Only for use on non-limited access paved shoulders, shared use paths, or other non-traffic bearing applications.

\*\*Do not use on interstate roadways.

#### 285-5 Variation in Earthwork Quantities.

The Plans will identify the optional materials used by the Department for determining the earthwork quantities (Roadway Excavation, Borrow Excavation, Subsoil Excavation, Subsoil Earthwork, or Embankment). The Department will not revise the quantities, for those items having final pay based on plan quantity, to reflect any volumetric change caused by the Contractor's selection of a different optional material.

#### 285-6 Thickness Requirements.

**285-6.1 Measurements:** For non-asphalt bases, meet the requirements of 200-7.3.1.2.

For subbases, meet the thickness requirements of 290-4.

The Engineer will determine the thickness of asphalt base courses in accordance with 234-8.1.

**285-6.2 Correction of Deficient Areas:** For non-asphalt bases, correct all areas of the completed base having a deficiency in thickness in excess of 1/2 inch by scarifying and adding additional base material. As an exception, if authorized by the Engineer, such areas may be left in place without correction and with no payment.

For asphalt bases, correct all areas of deficient thickness in accordance with 234-8.

#### **285-7 Calculation of Average Thickness of Base.**

For bases that are not mixed in place, the Engineer will determine the average thickness from the measurements specified in 285-6.1, calculated as follows:

1. When the measured thickness is more than 1/2 inch greater than the design thickness shown on the typical cross-section in the Plans, it will be considered as the design thickness plus 1/2 inch.
2. Average thickness will be calculated per typical cross-section for the entire job as a unit.
3. Any areas of base left in place with no payment will not be included in the calculations.
4. Where it is not possible through borings to distinguish the base materials from the underlying materials, the thickness of the base used in the measurement will be the design thickness.
5. For Superpave asphalt base course, the average spread rate of each course shall be constructed in compliance with 234-8.

#### **285-8 Method of Measurement.**

The quantity to be paid for will be the plan quantity area in square yards, omitting any areas where under-thickness is in excess of the allowable tolerance as specified in 285-6. The pay area will be the surface area, determined as provided above, adjusted in accordance with the following formula:

$$\text{Pay Area} = \text{Surface Area} \left( \frac{\text{Calculated Average Thickness per 285-7}}{\text{Plan Thickness}} \right)$$

The pay area shall not exceed 105% of the surface area.

There will be no adjustment of the pay area on the basis of thickness for base courses constructed utilizing mixed-in-place operations.

For Superpave asphalt base course, the quantity to be paid for will be the plan quantity area in square yards. The pay area will be adjusted in accordance with 234-9.

#### **285-9 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section, including tack coat between base layers, prime coat, cover material for prime coat, bituminous material used in bituminous plant mix, and cement used in soil-cement.

Where the Plans include a typical cross-section which requires the construction of an asphalt base only, price adjustments for bituminous material provided for in 9-2.1.2 will apply to that typical cross-section. For typical cross-sections which permit the use of asphalt or other materials for construction of an optional base, price adjustments for bituminous material provided for in 9-2.1.2 will not apply.

Payment will be made under:

Item No. 285- 7-      Optional Base - per square yard.

## SECTION 327 MILLING OF EXISTING ASPHALT PAVEMENT

### 327-1 Description.

Remove existing asphalt concrete pavement by milling to improve the rideability and cross slope of the finished pavement, to lower the finished grade adjacent to existing curb prior to resurfacing, or to completely remove existing pavement.

When milling to improve rideability, the Plans will specify an average depth of cut.

Take ownership of milled material.

### 327-2 Equipment.

Provide a milling machine capable of maintaining a depth of cut and cross slope that will achieve the results specified in the Contract Documents. Use a machine with a minimum overall length (out to out measurement excluding the conveyor) of 18 feet and a minimum cutting width of 6 feet.

Equip the milling machine with a built-in automatic grade control system that can control the transverse slope and the longitudinal profile to produce the specified results.

To start the project, the Engineer will approve any commercially manufactured milling machine that meets the above requirements. If it becomes evident after starting milling that the milling machine cannot consistently produce the specified results, the Engineer will reject the milling machine for further use.

The Contractor may use a smaller milling machine when milling to lower the grade adjacent to existing curb or other areas where it is impractical to use the above described equipment.

Equip the milling machine with means to effectively limit the amount of dust escaping during the removal operation.

For complete pavement removal, the Engineer may approve the use of alternate removal and crushing equipment in lieu of the equipment specified above.

### 327-3 Construction.

**327-3.1 General:** Remove the existing raised reflective pavement markers prior to milling. Include the cost of removing existing pavement markers in the price for milling.

When milling to improve rideability or cross slope, remove the existing pavement to the average depth specified in the Plans, in a manner that will restore the pavement surface to a uniform cross-section and longitudinal profile. The Engineer may require the use of a stringline to ensure maintaining the proper alignment.

Establish the longitudinal profile of the milled surface in accordance with the milling plans. Ensure that the final cross slope of the milled surface parallels the surface cross slope shown in the Plans or as directed by the Engineer. Establish the cross slope of the milled surface by a second sensing device near the outside edge of the cut or by an automatic cross slope control mechanism. The Plans may waive the requirement of automatic grade or cross slope controls where the situation warrants such action.

Operate the milling machine to minimize the amount of dust being emitted. The Engineer may require prewetting of the pavement.

Provide positive drainage of the milled surface and the adjacent pavement. Perform this operation on the same day as milling. Repave all milled surfaces no later than the day after the surface was milled unless otherwise stated in the Plans.

If traffic is to be maintained on the milled surface prior to the placement of the new asphalt concrete, provide suitable transitions between areas of varying thickness to create a smooth longitudinal riding surface. Produce a pattern of striations that will provide an acceptable riding surface. The Engineer will control the traveling speed of the milling machine to produce a texture that will provide an acceptable riding surface.

Prior to opening an area which has been milled to traffic, sweep the pavement with a power broom or other approved equipment to remove, to the greatest extent practicable, fine material which will create dust under traffic. Sweep in a manner that will minimize the potential for creation of a traffic hazard and to minimize air pollution.

Sweep the milled surface with a power broom prior to placing asphalt concrete.

In urban and other sensitive areas, use a street sweeper or other equipment capable of removing excess milled materials and controlling dust. Obtain the Engineer's approval of such equipment, contingent upon its demonstrated ability to do the work.

Perform the sweeping operation immediately after the milling operations or as directed by the Engineer.

**327-3.2 Quality Control Requirements:** Furnish an electronic level with a length of 4 feet and an accuracy of plus or minus 0.1 degree approved by the Engineer for the control of cross slope. Make this electronic level available at the jobsite at all times during milling operations. Calibrate and compare electronic levels in accordance with 330-9.3.1 at a minimum frequency of once per day before any milling operation.

Multiple cuts may be made to achieve the required pavement configuration or depth of cut. Measure the cross slope of the milled surface by placing the level at the center location of a lane and perpendicular to the roadway centerline. Record all the measurements to the nearest 0.1% on an approved form and submit to the Engineer for documentation.

1. Tangent Sections: Measure the cross slope per lane at a minimum frequency of one measurement every 100 feet. Calculate the absolute deviation of cross slope at each measurement and then average the absolute deviation of ten consecutive cross slope measurements. The absolute deviation is the positive value of a deviation. When the average absolute deviation cross slope is consistently within the acceptance tolerance as shown in Table 327-1 and upon approval by the Engineer, the frequency of the cross slope measurements can be reduced to one measurement every 200 feet during milling operations.

2. Superelevated Sections: Measure the cross slope every 100 feet per lane within the length of full superelevation. Calculate the absolute deviation of each measurement and then average the absolute deviation of ten consecutive cross slope measurements. For every transition section, measure the cross slope at control points identified in the Plans or, if not shown in the Plans, at a control point at a location of 0.0% cross slope. For curves where the length of the fully superelevated section is less than 250 feet, measure the cross slope at the beginning point, midpoint and ending point of the fully superelevated section, calculate the absolute deviation and average. When the number of measurements is less than ten and the length of full superelevation is greater than 250 feet, average the absolute deviation of all measurements.

If the average absolute deviation of the cross slope measurements falls outside the acceptance tolerance shown in Table 327-1, stop the milling operations and make adjustments

until the problem is resolved to the satisfaction of the Engineer. If an individual cross slope deviation falls outside the acceptance tolerance as shown in Table 327-1, make corrections only in the deficient area to the satisfaction of the Engineer at no cost to the Department. For pavement with multiple cuts, the deficient areas not caused by the final cut may be left in place upon approval of the Engineer. All milling corrections shall be completed before placement of the asphalt course unless stated otherwise in the Plans or as determined by the Engineer.

The limits of deficient areas requiring correction may be verified and adjusted with more accurate measurement methods, including survey instruments, upon approval by the Engineer at no cost to the Department. Should the Contractor wish to have any corrections waived, submit a request to the Engineer for approval. The Engineer may waive the corrections at no reduction in payment if an engineering determination indicates that the deficiencies are sufficiently separated so as not to significantly affect the final cross slope or project grade.

For intersections, tapers, crossovers, transitions at the beginning and end of the project, bridge approaches and similar areas, adjust the cross slope to match the actual site conditions, or as directed by the Engineer.

TABLE 327-1 Cross Slope Milling Acceptance Tolerance		
Roadway Feature	Individual Absolute Deviation	Average Absolute Deviation
Tangent section (including turn lanes)	0.4%	0.2%
Superelevated curve	0.4%	0.2%
Shoulder	0.5%	0.5%

In the event that the distance between tow edges of deficient areas is less than 100 feet, the correction work shall include the area between the deficient sections.

**327-3.3 Verification:** The Engineer will verify the Contractor's cross slope measurements by randomly taking a minimum of ten cross slope measurements per lane per mile in tangent sections, control points in transition sections, and a minimum of three cross slope measurements on fully superelevated sections. The Engineer will measure the cross slope of the milled surface by placing the level at the center location of a lane and perpendicular to the roadway centerline. If the average absolute deviation or an individual cross slope deviation falls outside the acceptance tolerance as shown in Table 327-1, immediately make a comparison check at the QC test locations to verify the QC measurements in the questionable section. If the comparisons are beyond the acceptable comparison tolerance in accordance with 327-3.2, stop the milling operation until the problem is resolved to the satisfaction of the Engineer. Correct any cross slope not meeting the individual deviation acceptance tolerance at no cost to the Department. The Engineer reserves the right to check the cross slope of the milled surface at any time by taking cross slope measurements at any location.

#### **327-4 Milled Surface.**

Provide a milled surface with a reasonably uniform texture, within 1/4 inch of a true profile grade, and with no deviation in excess of 1/4 inch from a straightedge applied to the pavement perpendicular to the centerline. Ensure that the variation of the longitudinal joint between multiple cut areas does not exceed 1/4 inch. The Engineer may accept areas varying



from a true surface in excess of the above stated tolerance without correction if the Engineer determines that they were caused by a pre-existing condition which could not have reasonably been corrected by the milling operations. Correct any unsuitable texture or profile, as determined by the Engineer, at no additional expense to the Department.

The Engineer may require remilling of any area where a surface lamination causes a non-uniform texture to occur.

**327-5 Method of Measurement.**

The quantity to be paid for will be the plan quantity area, in square yards, over which milling is completed and accepted.

**327-6 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section, including hauling off and stockpiling or otherwise disposing of the milled material.

Payment will be made under:

Item No. 327- 70-      Milling Existing Asphalt Pavement - per square yard.

**SECTION 330**  
**HOT MIX ASPHALT -**  
**GENERAL CONSTRUCTION REQUIREMENTS**

**330-1 Description.**

This Section specifies the basic equipment and construction requirements for hot mix asphalt (including warm mix asphalt) pavements and bases. Establish and maintain a quality control system that provides assurance that all materials, products and completed construction submitted for acceptance meet Contract requirements.

**330-2 Quality Control (QC) Requirements.**

**330-2.1 Minimum QC Requirements:** Perform as a minimum, the following activities necessary to maintain process control and meet Specification requirements:

1. **Pavement Density:** Monitor the pavement temperature with an infrared temperature device so compaction is completed before the surface temperature of the pavement drops to the extent that effective compaction may not be achieved or the rollers begin to damage the pavement. Monitor the roadway density with either 6 inch diameter roadway cores, a nuclear density gauge, or other density measuring device, at a minimum frequency of once per 1,500 feet of pavement.

2. **Mix Temperature:** Determine the mix temperature at the roadway for the first five loads and one out of every five loads thereafter.

3. **Mix Spread Rate:** Monitor the mix spread rate at the beginning of each day's production, and as needed to control the operations, at a minimum of once per 200 tons placed. When determining the spread rate, use, at a minimum, an average of five truckloads of mix.

4. **Pavement Texture:** Monitor the pavement texture to minimize pavement segregation. Use density gauges, infrared temperature measurement devices, or roadway cores at the beginning of each day's production, and as necessary, both at truck exchanges and during normal paving operations.

5. **Reporting:** Ensure the accuracy of the QC Roadway Reports on the Department's approved form to reflect the actual surface area of the finished work and be in compliance with the requirements of the Contract Documents.

**330-2.2 Personnel Qualifications:** Provide QC Technicians in accordance with Section 105.

**330-3 Limitations of Operations.**

**330-3.1 Weather Limitations:** Do not transport asphalt mix from the plant to the roadway unless all weather conditions are suitable for the paving operations.

**330-3.2 Limitations of Paving Operations:**

**330-3.2.1 General:** Place the mixture only when the surface upon which it is to be placed has been previously prepared, is intact, firm, dry, clean, and the tack or prime coat, with acceptable spread rate, is properly broken or cured. Do not place friction course until the adjacent shoulder area has been dressed and grassed.

**330-3.2.2 Ambient Air Temperature:** Place the mixture only when the air temperature in the shade and away from artificial heat meets requirements of Table 330-1. The minimum ambient temperature requirement may be reduced by 5°F when using warm mix technology, if mutually agreed to by both the Engineer and the Contractor.

Table 330-1	
Ambient Air Temperature Requirements for Paving	
Layer Thickness or Asphalt Binder Type	Minimum Temperature (°F)
≤ 1 inch	50
Any mixture > 1 inch containing a PG asphalt binder with a high temperature designation ≥ 76°C	45
Any mixture > 1 inch containing a PG asphalt binder with a high temperature designation < 76°C	40
FC-5 <sup>(1)</sup>	65
<sup>(1)</sup> As an exception, place the mixture at temperatures no lower than 60°F, only when approved by the Engineer based on the Contractor's demonstrated ability to achieve a satisfactory surface texture and appearance of the finished surface. The minimum ambient temperature may be further reduced to 55°F when using warm mix technology, if agreed to by both the Engineer and the Contractor.	

**330-3.2.3 Rain and Surface Conditions:** Immediately cease transportation of asphalt mixtures from the plant when rain begins at the roadway. Do not place asphalt mixtures while rain is falling, or when there is water on the surface to be covered. Once the rain has stopped, standing water has been removed from the tacked surface to the satisfaction of the Engineer, and the temperature of the mixture caught in transit still meets the requirements as specified in 320-6.3, the Contractor may then place the mixture caught in transit.

For windrow paving, immediately cease dumping of asphalt material when rain begins at the roadway. Stop paving operations while rain is falling or where there is water on the surface to be covered. Remove windrowed asphalt mixture exposed to rain. Once the rain has stopped, standing water has been removed from the tacked surface to the satisfaction of the Engineer, and the temperature of the mixture caught in transit still meets the requirements as specified in 320-6.3, the Contractor may then windrow the remaining material caught in transit.

**330-3.2.4 Wind:** Do not place the mixture when the wind is blowing to such an extent that proper and adequate compaction cannot be maintained or when sand, dust, etc., are being deposited on the surface being paved to the extent the bond between layers will be diminished.

#### **330-4 Surface Preparation.**

**330-4.1 Cleaning:** Before placing the mixture, clean the surface of the base or underlying pavement of all loose and deleterious material by the use of power brooms or blowers, supplemented by hand brooming where necessary.

**330-4.1.1 Application over Asphalt Rubber Membrane Interlayer (ARMI):** Where an asphalt mix is to be placed over a newly constructed ARMI, do not sweep or otherwise disturb the cover material before placing the asphalt mix, unless directed by the Engineer.

**330-4.2 Tacking:** Apply a tack coat on all existing pavement surfaces that are to be overlaid with an asphalt mix as specified in Section 300 and between successive layers of all asphalt mixes. Apply tack on a clean surface.

Do not place tack while rain is falling or when there is water on the surface to be tacked. Once the rain has stopped, standing water has been removed from the surface to be tacked to the satisfaction of the Engineer, the Contractor may then apply tack.

Apply a tack coat on freshly primed bases only when directed by the Engineer.

### **330-5 Paving Equipment.**

**330-5.1 General Requirements:** Use mechanically-sound equipment capable of consistently meeting Specification requirements.

#### **330-5.2 Asphalt Paver:**

**330-5.2.1 General:** Provide a self-propelled asphalt paver that can be steered, and is equipped with a receiving and distribution hopper and a mechanical screed. Use a mechanical screed capable of adjustment to regulate the depth of material spread and to produce the desired cross-section.

When asphalt mix is placed in windrows, operate windrow pickup equipment so substantially all of the mixture deposited on the roadbed is picked up and loaded into the paver. Prevent the windrow pickup equipment from contaminating the mixture.

**330-5.2.2 Automatic Screed Control:** For all asphalt courses placed with an asphalt paver, equip the paver with automatic longitudinal screed controls of either the skid type, traveling stringline type, or non-contact averaging ski type with a minimum length of 25 feet. On the final layer of asphalt base, overbuild, structural courses, and friction courses, use the joint matcher instead of the skid, traveling stringline, or non-contact averaging ski on all passes after the initial pass. Equip the asphalt paver with electronic cross slope controls.

**330-5.2.3 Screed Width:** Provide an asphalt paver with a screed width greater than 8 feet when required to pave full width lanes. Do not use extendable screed strike-off devices that do not provide preliminary compaction of the mat in place of fixed screed extensions. Use a strike-off device only on irregular areas that would normally be done by hand and on shoulders 5 feet or less in width. When using the strike-off device on shoulders, instead of an adjustable screed extension, demonstrate the ability to obtain acceptable texture, density, and thickness.

When using an extendable screed device to extend the screed's width on the full width lane or shoulder by 24 inches or greater, the Engineer will require an auger extension, paddle, or kicker device unless written documentation from the manufacturer is provided stating these are not necessary.

#### **330-5.3 Rollers:**

**330-5.3.1 Steel-Wheeled Rollers:** Provide compaction equipment capable of meeting the density requirements described in the Specifications. When density testing is not required, and the standard rolling pattern is used, provide a tandem steel-wheeled roller weighing 5 to 15 tons for breakdown rolling. For finish rolling, use a separate roller weighing 5 to 15 tons. Variations from these requirements shall be approved by the Engineer.

**330-5.3.2 Traffic Rollers:** Provide compaction equipment capable of meeting the density requirements described in the Specifications. When density testing is not required, and the standard rolling pattern is used, provide a self-propelled, pneumatic-tired traffic roller equipped with at least seven smooth-tread, low pressure tires, equipped with pads or scrapers on each tire. Maintain the tire pressure between 50 and 55 psi or as specified by the manufacturer. Use rollers with a minimum weight of 6 tons. Do not use wobble-wheeled rollers. Variations from these requirements shall be approved by the Engineer.

**330-5.3.3 Prevention of Adhesion:** Do not allow the mixture to adhere to the wheels of any rollers. Do not use fuel oil or other petroleum distillates to prevent adhesion. Do not use any method which results in water being sprinkled directly onto the mixture.

**330-5.4 Coring Equipment:** Furnish a suitable saw or drill for obtaining the required density cores.

**330-5.5 Hand Tools:** Provide the necessary hand tools such as rakes, shovels, and other similar tools, and a suitable means for keeping them clean. Do not use diesel fuel or other petroleum based solvents contained in an open container for cleaning purposes on the paver.

### **330-6 Placing Mixture.**

#### **330-6.1 Requirements Applicable to All Pavement Types:**

**330-6.1.1 Alignment of Edges:** Place all asphalt mixtures by the stringline method to obtain an accurate, uniform alignment of the pavement edge. As an exception, pavement edges adjacent to curb and gutter or other true edges do not require a stringline. Control the unsupported pavement edge to ensure it will not deviate from the stringline more than plus or minus 1.5 inches.

**330-6.1.2 Paving Width:** If necessary due to the traffic requirements, place the mixture in strips in such a manner as to provide for the passage of traffic. As an option, where the road is closed to traffic, place the mixture to the full width with machines traveling in echelon.

**330-6.1.3 Mix Temperature:** Maintain the mix temperature at the time of paving within the master range as defined in 320-6.3. Take mix temperatures on the roadway at the minimum frequency indicated in 320-6.3. Any load, or portion of a load, of asphalt mix on the roadway with a temperature outside of the master range shall be rejected for use on the project. Immediately notify the Engineer of the rejection.

Remove any windrow material not meeting the temperature requirements of 320-6.3.2 from the area of deficient temperature and replace with new asphalt meeting the temperature requirements.

**330-6.1.4 Speed of Paver:** Establish the forward speed of the asphalt paver based on the rate of delivery of the mix to the roadway, but not faster than the optimum speed needed to adequately compact the pavement.

**330-6.1.5 Thickness and Spread Rate of Layers:** Construct each layer as defined in the following table:

Table 330-2	
Thickness and Target Spread Rate Requirements	
Mix Type	Specification Section and Article
Type SP	334-1
Type FC	337-8
Type B	234-8
ATPB	287-8

**330-6.1.5.1 Thickness Control:** Ensure the spread rate is within plus or minus 5% of the target spread rate. When determining the spread rate, use, at a minimum, an average of five truckloads of mix and at a maximum, an average of 10 truckloads of mix, except for windrow paving, use an average of three truckloads of mix. When the average spread rate is beyond plus or minus 5% of the target spread rate, monitor the thickness of the pavement layer closely and adjust the construction operations.

When the average spread rate for two consecutive days is beyond plus or minus 5% of the target spread rate, stop the construction operation until the issue is resolved.

**330-6.1.5.2 Maximum Spread Rate Tolerances:** When an individual spread rate, measured in accordance with 330-6.1.5.1, is beyond plus or minus 20% of the target spread rate, stop the construction operation until the issue is resolved. Address the unacceptable pavement in accordance with 330-9.5. The following areas are exempt from a work stoppage based solely on the calculated spread rate: median crossovers, turnouts, variable thickness overbuild courses, leveling courses, miscellaneous asphalt pavement, as well as, turn lanes and ramps less than 1,000 feet.

As an exception, the Engineer may allow the Contractor to leave areas in place if it is determined by the Engineer that the deficiency is not a significant detriment to the pavement quality. For areas of deficient thickness, a reduction to the pay item quantity will be made in accordance with 330-9.5.2.

**330-6.1.6 Correcting Defects:** Before starting any rolling, check the surface: correct any irregularities; remove all drippings, sand accumulations from the screed, and fat spots from any source; and replace them with satisfactory material. Do not skin patch. When correcting a depression while the mixture is hot, scarify the surface and add fresh mixture.

**330-6.1.7 Hand Work:** In limited areas where the use of the paver is impossible or impracticable, the Contractor may place and finish the mixture by hand.

### **330-7 Compacting Mixture.**

**330-7.1 General Requirements:** When density testing for acceptance is required, select equipment, sequence, and coverage (number of times the roller passes over a given area of pavement) of rolling to meet the specified density requirement. Regardless of the rolling procedure used, complete the final rolling before the surface temperature of the pavement drops to the extent effective compaction may not be achieved or the rollers begin to damage the pavement.

No vibratory compaction in the vertical direction will be allowed for layers one inch or less in thickness or, if the Engineer or Contract Documents limit compaction to the static mode only. Compact these layers in the static mode only. Other non-vertical vibratory modes of compaction will be allowed, if approved by the Engineer; however, no additional compensation, cost or time, will be made.

**330-7.2 Standard Rolling Procedure:** When density testing for acceptance is not required, propose an alternative rolling pattern to be approved by the Engineer or use the following standard rolling procedure:

1. Breakdown rolling: Provide two static coverages with a tandem steel-wheeled roller, following as close behind the paver as possible without pick-up, undue displacement, or blistering of the mix.

2. Intermediate rolling: Provide five static coverages with a pneumatic-tire roller, following as close behind the breakdown rolling operation as the mix will permit.

3. Finish rolling: Provide one static coverage with a tandem steel-wheeled roller, after completing the breakdown rolling and intermediate rolling, but before the surface pavement temperature drops to the extent effective compaction may not be achieved or the rollers begin to damage the pavement.

**330-7.3 Rolling Procedures:** Use procedures that will uniformly compact the pavement layer to the desired density level, while meeting the appropriate smoothness requirements, without damaging the pavement surface, crushing aggregate or leaving excessive roller marks, roller heads, or ripples. While rolling is in progress, monitor the surface continuously, and adjust the compaction operations to comply with the surface requirements.

**330-7.4 Compaction of Areas Inaccessible to Rollers:** Use hand tamps or other satisfactory means to compact areas which are inaccessible to a roller, such as areas adjacent to curbs, gutters, bridges, manholes, etc.

**330-7.5 Correcting Defects:** Do not allow the compaction equipment to deposit contaminants onto the pavement surface. Remove and replace any areas damaged by such deposits as directed by the Engineer. Correct any depressions that develop before completing the rolling by loosening the mixture and adding new mixture to bring the depressions to a true surface. Should any depression remain after obtaining the final compaction, remove the full depth of the mixture, and replace it with enough new mixture to form a true and even surface. Correct all defects before laying the subsequent course.

**330-7.6 Use of Traffic Roller:** Use a traffic roller on the first overbuild course. Use a traffic roller or vibratory roller (unless restricted by the Contract Documents) on the first structural layer placed on an ARMI.

**330-7.7 Compaction at Bridge Structures:** Compact asphalt mixtures placed over bridge decks and approach slabs using static compaction only. Use the standard rolling procedure described in 330-7.2 or an alternative procedure approved by the Engineer.

### **330-8 Joints.**

**330-8.1 General:** When laying fresh mixture against the exposed edges of joints, place it in close contact with the exposed edge to produce an even, well-compacted joint after rolling.

**330-8.2 Transverse Joints:** Place the mixture as continuously as possible to minimize transverse joints. When constructing permanent transverse joints, meet the surface requirements as defined in 330-9. Construct temporary transverse joints in such a manner to allow traffic to pass over it. When resuming the paving operation, construct a transverse joint by cutting back on the previously placed pavement at a location where the straightedge requirements are met. At the project limits, tie into the adjoining pavement layers as shown in the Plans.

**330-8.3 Longitudinal Joints:** Place each layer of pavement so all longitudinal construction joints are offset 6 to 12 inches laterally between successive layers. Plan offsets in advance so the longitudinal joints of the friction course are not in wheel path areas. The longitudinal joints for friction course layers should be within 6 inches of the lane edge or at the center of the lane. The Engineer may waive this requirement where offsetting is not feasible due to the sequence of construction.

**330-8.4 Placing Asphalt Next to Concrete Pavement:** When placing asphalt next to concrete pavement, construct the joint as shown in the Plans.

### **330-9 Surface Requirements.**

**330-9.1 General:** Construct a smooth pavement with good surface texture and the proper cross-slope.

**330-9.2 Texture of the Finished Surface of Paving Layers:** Produce a finished surface of uniform texture and compaction with no pulled, torn, raveled, crushed or loosened portions and free of segregation, bleeding, flushing, sand streaks, sand spots, or ripples. Some examples of pavement deficiencies are displayed at the following URL:

<http://www.dot.state.fl.us/programmanagement/Implemented/URLinSpecs/Pavement.shtm>.

Address any pavement not meeting the requirements of this specification in accordance with 330-9.5.

For dense-graded structural and friction course mixtures, in areas not defined as density testing exceptions per 334-5.1.2, obtain for the Engineer, three 6 inch diameter roadway



cores at locations visually identified by the Engineer to be segregated. The Engineer will determine the density of each core in accordance with FM 1-T166 and calculate the percent  $G_{mm}$  of the segregated area using the average  $G_{mb}$  of the roadway cores and the QC subplot  $G_{mm}$  for the questionable material. If the average percent  $G_{mm}$  is less than 89.5, address the segregated area in accordance with 330-9.5.

Do not use asphalt concrete mixtures containing aggregates that cause a different color appearance in the final wearing surface unless the section is greater than or equal to one mile in length and across the full width of the pavement, including shoulders and turn lanes. Exceptions to these requirements will be permitted if approved by the Engineer.

**330-9.3 Cross Slope:** Construct a pavement surface with cross slopes in compliance with the requirements of the Contract Documents. Furnish a four foot long electronic level accurate to 0.1 degree, approved by the Engineer for the control of cross slope. Make this electronic level available at the jobsite at all times during paving operations.

**330-9.3.1 QC Calibration and Comparison:** Calibrate the electronic levels a minimum of once per day before paving operations begin, in accordance with manufacturer's instructions.

Compare the QC level with the Verification level before paving operations begin, and at any time as directed. If the comparison between the QC and Verification levels is within plus or minus 0.2%, the QC level is considered to compare favorably and can be used for measurement and acceptance of cross-slopes. If the levels do not compare favorably, perform a second comparison using another calibrated electronic level (Department or Contractor) for resolution. If the resolution level compares favorably with the QC level, the QC level is considered to be verified. If the resolution level does not compare favorably with the QC level, discontinue the use of the QC electronic level and obtain another approved electronic level that meets the requirements of this specification. The Contractor assumes all risk associated with placing the pavement at the correct cross slope.

**330-9.3.2 Cross Slope Measurement:** Measure the cross slope of the compacted pavement surface by placing the level at the center of the lane and perpendicular to the roadway centerline. Record all measurements to the nearest 0.1% on an approved form and submit the data to the Engineer.

**330-9.3.2.1 Cross Slope Measurement Frequency:**

1. Tangent Sections: Measure the cross-slope at a minimum frequency of one measurement every 100 feet per lane. When the average absolute deviation is consistently within the acceptance tolerance in Table 330-4, upon the approval of the Engineer, the cross slope measurements may be reduced to one measurement every 200 feet.

2. Superelevated Sections: Measure the cross slope every 100 feet per lane within the length of the full superelevation. For curves where the length of full superelevation is less than 250 feet, measure the cross slope at the beginning point, midpoint, and ending point of the fully superelevated section. For transition sections, measure the cross slope at control points identified in the Plans, or if not shown in the Plans, at a control point at the location of 0.0% cross slope.

**330-9.3.2.2 Cross Slope Deviations and Corrections:** Calculate the absolute deviation of each cross slope measurement and the average of the absolute deviations of ten consecutive cross slope measurements. The absolute deviation is the positive value of a deviation. In superelevated sections, when the number of measurements is less than ten, average the absolute deviation of all measurements.



If the average absolute deviation of any cross slope measurement falls outside the acceptance tolerance shown in Table 330-4, stop the paving operation and make adjustments until the problem is resolved to the satisfaction of the Engineer.

Address, in accordance with 330-9.5, all individual cross slope deviations outside the acceptance tolerances shown in Table 330-4. Complete all corrections before placement of the final pavement surface layer. For pavement with multiple layers, the deficient areas for the structural course may be left in place, if approved by the Engineer. For friction course layers, make corrections in accordance with 330-9.5.

The limits of deficient areas requiring correction may be verified and adjusted with more accurate measurement methods, including survey instruments, upon approval of the Engineer and at no cost to the Department.

Should the Contractor wish to have any required corrections waived, submit a request to the Engineer for approval. The Engineer may waive the corrections at no reduction in payment if the deficiencies are sufficiently separated so as not to affect the pavement's overall traffic safety, surface drainage, ride quality, or surface texture.

For intersections, tapers, crossovers, transitions at the beginning and end of the project, bridge approaches and similar areas, adjust the cross slope to match the actual site conditions or as directed by the Engineer.

Table 330-4 Cross Slope Acceptance Tolerance		
Roadway Feature	Individual Absolute Deviation	Average Absolute Deviation
Tangent section (including turn lanes)	0.4%	0.2%
Superelevated curve	0.4%	0.2%
Shoulder	0.5%	0.5%

In the event the distance between two edges of deficient areas is less than 100 feet, the correction work shall include the area between the deficient areas.

**330-9.3.3 Verification:** The Engineer will verify the Contractor's cross slope measurements by randomly taking a minimum of ten cross slope measurements per lane per mile in tangent sections, at control points in transition sections, and a minimum of three cross slope measurements in fully superelevated sections.

The Engineer will measure the cross slope of the compacted pavement surface by placing the level at the center of the lane and perpendicular to the roadway centerline.

**330-9.3.3.1 Cross Slope Deviations and Corrections:** If the average absolute deviation or an individual cross slope deviation falls outside of the acceptance tolerance in Table 330-4, immediately make a comparison check at the QC test locations to verify the QC measurements in the section. If the comparisons are beyond the acceptable comparison tolerance in accordance with 330-9.3.1, stop the paving operations until the issue is resolved to the satisfaction of the Engineer. Correct any cross slope not meeting the individual deviation acceptance tolerance in accordance with 330-9.5 at no cost to the Department. The Engineer reserves the right to check the pavement cross slope at any time by taking cross slope measurements at any location.

**330-9.4 Pavement Smoothness:** Construct a smooth pavement meeting the requirements of this Specification.

**330-9.4.1 General:** Furnish a 15 foot manual and a 15 foot rolling straightedge meeting the requirements of FM 5-509. Obtain a smooth surface on all pavement courses placed, and then straightedge all layers as required by this Specification.

**330-9.4.2 Test Method:** Perform all straightedge testing in accordance with FM 5-509 in the outside wheel path of each lane. The Engineer may require additional testing at other locations within the lane.

**330-9.4.3 Traffic Control:** Provide traffic control in accordance with Section 102 and the Design Standards, Index Nos. 607 or 619 during all testing. When traffic control cannot be provided in accordance with Index Nos. 607 or 619, submit an alternative Traffic Control Plan as specified in 102-4. Include the cost of this traffic control in the Contract bid prices for the asphalt items.

**330-9.4.4 Process Control Testing:** Assume full responsibility for controlling all paving operations and processes such that the requirements of these Specifications are met at all times.

**330-9.4.5 QC Testing:**

**330-9.4.5.1 General:** Straightedge the final Type SP structural layer and friction course layer in accordance with 330-9.4.2, with the exception that if the method of acceptance is by laser profiler, then straightedging of the friction course layer is not required unless otherwise stated in the Specifications. Test all pavement lanes and ramps where the width is constant and document all deficiencies in excess of 3/16 inch on a form approved by the Engineer.

**330-9.4.5.2 Straightedge Exceptions:** Straightedge testing will not be required in the following areas: shoulders, intersections, tapers, crossovers, sidewalks, shared use paths, parking lots and similar areas, or in the following areas when they are less than 250 feet in length: turn lanes, acceleration/deceleration lanes and side streets. The limits of the intersection will be from stop bar to stop bar for both the mainline and side streets.

As an exception, in the event the Engineer identifies an objectionable surface irregularity in the above areas, straightedge and address all deficiencies in excess of 3/8 inch in accordance with 330-9.5.

The Engineer may waive straightedge requirements for transverse joints at the beginning and end of the project, at the beginning and end of bridge structures, at manholes, and at utility structures if the deficiencies are caused by factors beyond the control of the Contractor, as determined by the Engineer. In addition, the Engineer may also waive the straightedging requirements on ramps and superelevated sections where the geometrical orientation of the pavement results in an inaccurate measurement with the rolling straightedge.

**330-9.4.5.3 Intermediate Layers and Temporary Pavement:** When the design speed is 55 mph or greater and the intermediate Type SP layer or temporary pavement is to be opened to traffic, if the Engineer identifies an objectionable surface irregularity, straightedge and address all deficiencies in excess of 3/8 inch within 72 hours of placement in accordance with 330-9.5.

**330-9.4.5.4 Final Type SP Structural Layer:** Straightedge the final Type SP structural layer in accordance with 330-9.4.2, either behind the final roller of the paving train or as a separate operation. Notify the Engineer of the location and time of straightedge testing a minimum of 48 hours before beginning testing. The Engineer will verify the

straightedge testing by observing the QC straight edging operations. Address all deficiencies in excess of 3/16 inch in accordance with 330-9.5.

When the final structural course is to be opened to traffic and the design speed is 55 mph or greater, if any defect is 3/8 inch or greater, the Engineer may require deficiencies to be corrected within 72 hours after opening to traffic.

**330-9.4.5.5 Friction Course Layer:** Where required per 330-9.4.5.1, straightedge the friction course layer in accordance with 330-9.4.2, either behind the final roller of the paving train or as a separate operation upon completion of all paving operations. Notify the Engineer of the location and time of straightedge testing a minimum of 48 hours before beginning testing. The Engineer will verify the straightedge testing by observing the QC straightedging operations. Address all deficiencies in excess of 3/16 inch in accordance with 330-9.5.

#### **330-9.4.6 Acceptance:**

**330-9.4.6.1 Straightedge Acceptance:** For areas of roadways where the design speed is less than 55 miles per hour, acceptance for pavement smoothness of the friction course will be based on verified QC measurements using the straightedge as required by 330-9.4.5. The Engineer will verify the straightedge testing by observing the QC straightedging operations.

**330-9.4.6.2 Laser Acceptance:** For areas of high speed roadways where the design speed is equal to or greater than 55 miles per hour, acceptance testing for pavement smoothness of the friction course (for mainline traffic lanes only) will be based on the Laser Profiler. Ramps, acceleration and deceleration lanes, and other areas not suitable for testing with the Laser Profiler will be tested and accepted with the straightedge in accordance with 330-9.4.5.5 and 330-9.4.6.1.

The pavement smoothness of each lane will be determined by a Laser Profiler furnished and operated by the Department in accordance with FM 5-549 and a report issued with the Ride Number (RN) reported to one decimal place. If corrections are made, as required following Laser Acceptance, the pavement will not be retested for smoothness using the Laser Profiler.

For this testing, the pavement will be divided into 0.1 mile segments. Partial segments equal to or greater than 0.01 mile will be considered as a 0.1 mile segment. The pavement will be accepted as follows:

1. For segments with a RN greater than or equal to 4.0, the pavement will be accepted at full pay.

2. For segments with a RN less than 4.0, the Engineer will further evaluate the data in 0.01 mile intervals for both wheel paths.

If the RN is 3.5 or above for all 0.01 mile intervals in both wheel paths, the segment will be accepted at full payment.

If the RN is less than 3.5 for one or more 0.01 mile intervals, the segment will be tested with the rolling straightedge in both wheel paths in accordance with FM 5-509. If approved by the Engineer, this straightedging may be completed (in both wheel paths) as part of the QC straightedging operations described in 330-9.4.5.5, before testing with the laser profiler. Notify the Engineer of the location and time of straightedge testing a minimum of 48 hours before beginning testing. The Engineer will verify the straightedge testing by observing the QC straightedging operations. Address all deficiencies in excess of 3/16 inch in accordance with 330-9.5.

Test and accept areas at the beginning and ending of the project, bridge approaches and departures, and areas where the segment is less than 0.01 mile, with the straightedge in accordance with 330-9.4.5.5 and 330-9.4.6.1.

**330-9.5 Unacceptable Pavement:**

**330-9.5.1 Corrections:** Address all areas of unacceptable pavement at no cost to the Department. Retest all corrected areas and assure the requirements of these Specifications are met.

**330-9.5.1.1 Structural Layers:** Correct all deficiencies, as defined in the Specifications, in the Type SP structural layers by removing and replacing the full depth of the layer, extending a minimum of 50 feet on both sides (where possible) of the defective area for the full width of the paving lane.

As an option, for high straightedge deficiencies only, mill the pavement surface the full lane width to a depth and length adequate to remove the deficiency. This option only applies if the structural layer is not the final surface layer.

**330-9.5.1.2 Friction Course:** Correct deficiencies in the friction course or final surface layer by removing and replacing the full depth of the layer, extending a minimum of 50 feet on both sides (where possible) of the defective area for the full width of the paving lane. As an exception, the Engineer may allow the Contractor to leave these areas in place if it is determined by the Engineer that the deficiency is not a significant detriment to the pavement quality. A reduction to the pay item quantity will be made in accordance with 330-9.5.2.

**330-9.5.2 Reduction in Pay Item Quantity:** When the Engineer elects to waive corrections, the Department will reduce the pay quantity for the pay item in question by the amount of material the Contractor would have removed and replaced had the correction been made. When the pay quantity is in tons, the Department will base the reduction on the volume of material the Contractor would have removed (the length by the lane width by layer thickness) multiplied by the maximum specific gravity of the mix as determined through the following equation:

$$\text{Quantity (tons)} = L \times W \times t \times G_{mm} \times 0.0024$$

Where: L = Lane length (ft.)

W = Lane width (ft.)

t = Layer thickness (in.)

$G_{mm}$  = Maximum specific gravity from verified mix design

For FC-5 open-graded friction course, the Department will base the reduction on the area the Contractor would have removed (the length by lane width) multiplied by a spread rate of 80 pounds per square yard as determined through the following equation:

$$\text{Quantity (tons)} = L \times W \times 0.0044$$

Where: L = Lane length (ft.)

W = Lane width (ft.)

**330-10 Protection of Finished Surface.**

Keep sections of newly compacted asphalt concrete, which are to be covered by additional courses, clean until the successive course is laid.

Do not dump embankment or base material directly on the pavement. Dress shoulders before placing the friction course on adjacent pavement.

Equip blade graders operating adjacent to the pavement during shoulder construction with a 2 inch by 8 inch or larger board, or other attachment providing essentially the same results, attached to their blades so it extends below the blade edge and protects the pavement surface from damage by the grader blade.

To prevent rutting or other distortion, protect sections of newly finished dense-graded friction course and the last structural layer before friction course from traffic until the surface temperature has cooled below 160°F.

The Contractor may use artificial methods to cool the pavement to expedite paving operations. The Department may direct the Contractor to use artificial cooling methods when maintenance of traffic requires opening the pavement to traffic at the earliest possible time.

## SECTION 522 CONCRETE SIDEWALK AND DRIVEWAYS

### 522-1 Description.

Construct concrete sidewalks and driveways. Sidewalk will include sidewalk curb ramps.

### 522-2 Materials.

Meet the requirements specified in 520-2.

### 522-3 Forms.

Provide forms as specified in 520-3.

### 522-4 Foundation.

Compact fill areas, including cut areas under the sidewalk that have been excavated more than 6 inches below the bottom of sidewalk, to a minimum of 95% of AASHTO T99 density. The area to be compacted is defined as that area directly under the sidewalk and 1 foot beyond each side of the sidewalk when right-of-way allows.

### 522-5 Joints.

**522-5.1 Expansion Joints:** Form 1/2 inch expansion joints between the sidewalk and the curb or driveway or at fixed objects and sidewalk intersections with a preformed joint filler meeting the requirements specified in 932-1.1.

#### 522-5.2 Contraction Joints:

**522-5.2.1 Types:** The Contractor may use open type or sawed contraction joints.

**522-5.2.2 Open-Type Joints:** Form open type contraction joints by staking a metal bulkhead in place and depositing the concrete on both sides. After the concrete has set sufficiently to preserve the width and shape of the joint, remove the bulkhead. After finishing the sidewalk over the joint, edge the slot with a tool having a 1/2 inch radius.

**522-5.2.3 Sawed Joints:** If electing to saw the contraction joints, cut a slot approximately 3/16 inch wide and not less than 1-1/2 inches deep with a concrete saw after the concrete has set, and within the following periods of time:

Joints at not more than 30 feet intervals

.....within 12 hours after finishing.

Remaining joints .....within 96 hours after finishing.

### 522-6 Placing Concrete.

Place the concrete as specified in 520-5.

### 522-7 Finishing.

**522-7.1 Screeding:** Strike-off the concrete by means of a wood or metal screed, used perpendicular to the forms, to obtain the required grade and remove surplus water and laitance.

**522-7.2 Surface Requirements:** Imprint concrete as detailed in the Plans, otherwise provide a broom finish. Ensure that the surface variations are not more than 1/4 inch under a 10 foot straightedge or more than 1/8 inch on a 5 foot transverse section. Finish the edge of the sidewalk with an edging tool having a radius of 1/2 inch.



**522-8 Curing.**

Cure the concrete as specified in 520-8.

**522-9 Method of Measurement.**

The quantity to be paid will be plan quantity, in square yards, completed and accepted. Ramps, reconstructed sidewalks, walk around sidewalks, sidewalk landings, sidewalk curb, and driveways will be included in the area to be paid.

**522-10 Basis of Payment.**

Price and payment will be full compensation for all work specified in this Section. Excavation for new installations will be paid for under the items for the grading work on the project. For repairs and replacements, removal of the existing sidewalk or driveway will be included in the cost of new sidewalks and driveways.

Payment will be made under:

Item No. 522-                      Concrete Sidewalks and Driveways- per square yard.

## SECTION 971 PAVEMENT MARKING MATERIALS

### 971-1 General Requirements.

**971-1.1 Packaging and Labeling:** The name and address of the manufacturer shall be shown on the label. The label must also show the color, date of manufacturer, lot number and APL number. The label shall warn the user of any special handling or precautions of the material, as recommended by the manufacturer. Any packaging and labeling not so marked will not be accepted.

**971-1.2 Storage:** All materials must have a container storage life of one year from date of manufacture. Any pavement marking materials, which although inspected and approved at the point of manufacture, hardens or livers in the containers will be rejected even though it conforms to these Specifications in all other respects.

**971-1.3 Mixing:** All paints shall be delivered to the project completely mixed, and ready to be used without additional oil or thinner. Thinners shall not be used under any circumstances.

**971-1.4 Approved Product List (APL):** All pavement marking materials shall be one of the products listed on the Department's Approved Product List (APL). Manufacturers seeking evaluation of their product shall submit an application in accordance with Section 6 accompanied by a copy of the infrared identification curve (2.5 to 15  $\mu\text{m}$ ) for the vehicle component. The Department will test all pavement marking materials in accordance with FM5-541, Part B. A notation of the number of coats and the thickness of each coat at which the product passes testing may be placed on the APL. When listed, this will be the minimum criteria for application of the pavement marking material.

**971-1.5 Samples:** Field samples will be obtained in accordance with the Department's Sampling, Testing and Reporting Guide Schedule.

**971-1.6 Color:** Materials other than white and yellow shall meet the color requirements as identified in 23 CFR 665 Table 5 Appendix to Part 655, Subpart F. White colored materials will only be required to meet the initial daytime chromaticity requirements.

Yellow materials for pavement markings shall meet the following performance requirements. The initial daytime chromaticity for yellow materials shall fall within the box created by the following coordinates:

Initial Daytime Chromaticity Coordinates (Corner Points)				
	1	2	3	4
x	0.530	0.510	0.455	0.472
y	0.456	0.485	0.444	0.400

The nighttime chromaticity for yellow materials shall fall within the box created by the following coordinates:

Nighttime Chromaticity Coordinates (Corner Points)				
	1	2	3	4
x	0.575	0.508	0.473	0.510
y	0.425	0.415	0.453	0.490

**971-1.7 Additional Requirements:** Pavement marking materials shall be characterized as non-hazardous as defined by Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Provide supporting independent analytical data or product material safety data sheets (SDS) identifying any components listed in Table 1 of 40 CFR 261.24.

Additionally, retroreflective elements shall contain no more than 200 ppm by weight of lead or arsenic when tested in accordance with the Environmental Protection Agency (EPA) Testing Methods 3052, 6010B, and 6010C.

## 971-2 Glass Spheres.

**971-2.1 General Requirements:** Glass spheres shall be of a composition designed to be highly resistant to traffic wear and to the effects of weathering for the production of a reflective surface, without altering day visibility of the marking. The general requirements of 971-1 apply to glass spheres.

**971-2.2 Specific Properties:** The large (Type 3 or larger) glass spheres used for drop on beads shall have an adhesion coating. Type 1 glass spheres used for drop on beads shall have a dual coating. Beads used in the intermix of materials are not required to be coated.

The following physical requirements apply:

Property	Test Method	Specification
Roundness*	ASTM D1155	Min: 70 % by weight
Roundness**	ASTM D1155	Min: 80% by weight
Refractive Index*	Becke Line Method (25+/-5C)	1.5 minimum
Refractive Index**	Becke Line Method (25+/-5C)	1.9 minimum
*Type 1, 3, 4 and 5 beads		
**High Index beads		

Sieve Size	Percent by Mass Passing Designated Sieve (ASTM D1214)				
	Grading Designation				
	Type 1 (AASHTO)	Type 3 (FP 96)	Type 4 (FP 96)	Type 5 (FP 96)	High Index
No. 8				100	
No. 10			100	95 - 100	
No. 12		100	95 - 100	80 - 95	
No. 14		95 - 100	80 - 95	10 - 40	
No. 16	100	80 - 95	10 - 40	0 - 5	100
No. 18		10 - 40	0 - 5	0 - 2	
No. 20	95 - 100	0 - 5	0 - 2		95 - 100
No. 25		0 - 2			
No. 30	75 - 95				55 - 85
No. 40					15 - 45
No. 50	15 - 35				0 - 5
No. 80					
No. 100	0 - 5				

**971-2.3 Sampling:** A random 50 pound sample of glass spheres shall be obtained for each 50,000 pound shipped. Send each 50 pound sample to the State Materials Office.

**971-2.4 Containers:** The spheres shall be furnished in new 50 pound moisture-proof bags or 2000 pound triwall boxes. All containers shall meet Interstate Commerce Commission requirements for strength and type.

### **971-3 Standard Paint.**

**971-3.1 General:** Standard paints shall include water reducible products that are single packaged and ready mixed. The paint shall have the capability of being cleaned and flushed from the pavement marking machines using regular tap water and any required rust inhibitors. The manufacturer shall have the option of formulating the paint according to his own specifications. However, the requirements delineated in this Specification and Section 710 shall apply regardless of the type of formulation used. The paint shall be free from all skins, dirt and foreign objects.

#### **971-3.2 Composition:**

Component	Test Method	Criteria
Total Solids, by weight	ASTM D2369	minimum 75%
Pigments, by weight	ASTM D3723	minimum 57%
Vehicle Solids % of Vehicle*		minimum 40%
TiO <sub>2</sub> , Type II Rutile (white paint only)	ASTM D476	minimum 1.0 lb/gal
Volatile Organic Content, (VOC)	ASTM D3960	maximum 150 g/L
*Vehicle Solids % of Vehicle = $\frac{\% \text{ total solids} - \% \text{ pigment}}{100 - \% \text{ pigment}}$		

**971-3.3 Physical Requirements:** Test laboratory samples in accordance with ASTM E811 and E1349 and also meet the following criteria:

Property	Test Method	Minimum	Maximum
Density	ASTM D1475	13.5 ± 1.4 lb/gal	-
Viscosity at 77°F	ASTM D562	80 KU	100 KU
Fineness of Grind	ASTM D1210	3(HS)	
Dry Opacity at 5 mils WFT	ASTM D2805	0.92	-
Bleed Ratio	ASTM D969	0.95	-
Flexibility	ASTM D522 Method B	Pass	-
Abrasion Resistance	ASTM D4060	Pass	-

**971-3.3.1 Set To Bear Traffic Time:** The paint shall set to bear traffic in not more than two minutes.

**971-3.3.2 Abrasion Resistance:** Test four samples using a Taber Abrader. The paint shall be applied to specimen plates using a drawdown blade having a clearance of 20 mils. Clean with a soft brush and weigh each sample. Abrade samples for 1,000 cycles with a combined load of 500 g (arm plus auxiliary weight) on each arm and CS-10 wheels. Clean the

samples with a soft brush and weigh again. The average weight loss for the four plates shall not exceed 75 mg per plate.

**971-3.3.3 Retroreflectivity:** The white and yellow pavement markings shall attain an initial retroreflectance of not less than 300 mcd/lx·m<sup>2</sup> and 250 mcd/lx·m<sup>2</sup>, respectively. The retroreflectance of the white and yellow pavement markings at the end of the six month period shall not be less than 150 mcd/lx·m<sup>2</sup>.

**971-3.4 Application Properties:** Meet the requirements of Section 710 for application properties.

**971-3.5 Packaging and Labeling:** The paint shall be placed in 55 gallon open-end steel drums with a re-usable multi-seal sponge gasket or 275 gallon Intermediate Bulk Container (IBC). No more than 50 gallons of paint shall be placed in any drum or 250 gallons in any IBC to allow for expansion during transport and storage. Clearly mark the containers with the weight in pounds per gallon, the volume of materials in units of gallons.

#### **971-4 Durable Paint.**

**971-4.1 General:** Durable paints shall include water reducible products that are single packaged and ready mixed. The paint shall have the capability of being cleaned and flushed from the pavement marking machines using regular tap water and any required rust inhibitors. The manufacturer shall have the option of formulating the material according to his own specifications. However, the requirements delineated in this Specification and Section 710 shall apply regardless of the type of formulation used. The paint shall be free from all skins, dirt and foreign objects. The manufacturer shall provide the recommended thickness prior to installation.

#### **971-4.2 Composition:**

Component	Test Method	Criteria
Total Solids, by weight	ASTM D2369	75% minimum
Pigments, by weight	ASTM D3723	57% minimum
Vehicle Solids, % on Vehicle*		40% minimum
TiO <sub>2</sub> , Type II Rutile (white paint only)	ASTM D476	1.0 lb/gal minimum
Volatile Organic Content, (VOC)	ASTM D3960	150 g/L maximum
*Vehicle Solids % of Vehicle = $\frac{\% \text{ total solids} - \% \text{ pigment}}{100 - \% \text{ pigment}}$ Vehicle solids shall be 100% acrylic emulsion polymer.		

**971-4.3 Physical Requirements:** Test laboratory samples in accordance with ASTM E811 and E1349 and also meet the following criteria:

Property	Test Method	Minimum	Maximum
Density	ASTM D1475	13.5 ± 1.4 lb/gal	N/A
Viscosity at 77°F	ASTM D562	80 KU	100 KU
Fineness of Grind	ASTM D1210	3(HS)	
Dry Opacity at 5 mils WFT	ASTM D2805	0.92	-
Bleed Ratio	ASTM D969	0.95	-
Flexibility	ASTM D522 Method B	Pass	-
Abrasion Resistance	ASTM D4060	Pass	-

**971-4.3.1 Set To Bear Traffic Time:** The paint shall set to bear traffic in not more than ten minutes.

**971-4.3.2 Abrasion Resistance:** Test four samples using a Taber Abrader. The paint shall be applied to specimen plates using a drawdown blade having a clearance of 20 mils. Air dry each sample until fully cured based on the manufacturers product recommendation. Clean with a soft brush and weigh each sample. Abrade samples for 1,000 cycles with a combined load of 500 g (arm plus auxiliary weight) on each arm and CS-10 wheels. Clean the samples with a soft brush and weigh again. The average weight loss for the four plates shall not exceed 75 mg per plate.

**971-4.3.3 Retroreflectivity:** The white and yellow pavement markings shall attain an initial retroreflectance of not less than 450 mcd/lx·m<sup>2</sup> and 300 mcd/lx·m<sup>2</sup>, respectively. The retroreflectance of the white and yellow pavement markings at the end of the 18 month period shall not be less than 150 mcd/lx·m<sup>2</sup>.

**971-4.4 Application Properties:** Application properties shall meet the requirements of Section 710.

**971-4.5 Packaging and Labeling:** The paint shall be placed in 55 gallon open-end steel drums with a re-usable multi-seal sponge gasket or 275 gallon Intermediate Bulk Container (IBC). No more than 50 gallons of paint shall be placed in any drum or 250 gallons in any IBC to allow for expansion during transport and storage. Clearly mark the containers with the weight in pounds per gallon, the volume of materials in units of gallons.

#### **971-5 Standard Thermoplastic Material.**

**971-5.1 General:** The manufacturer shall utilize alkyd based materials only and shall have the option of formulating the material according to his own specifications. However, the requirements delineated in this Specification and Section 711 shall apply regardless of the type of formulation used. The pigment, glass spheres, and filler shall be well dispersed in the resin.

##### **971-5.2 Composition:**



Component	Test Method	White	Yellow
Binder		20.0% minimum	20.0% minimum
TiO <sub>2</sub> , Type II Rutile	ASTM D476	10.0% minimum	-
Glass Spheres	AASHTO T250	40.0% minimum	40.0% minimum
Yellow Pigment		-	% minimum per manufacturer
Calcium Carbonate and Inert Filler (-200 mesh sieve)		30.0% maximum	37.5% maximum
Percentages are by weight.			

The alkyd/maleic binder must consist of a mixture of synthetic resins (at least one synthetic resin must be solid at room temperature) and high boiling point plasticizers. At least one-half of the binder composition must be 100% maleic-modified glycerol of rosin and be no less than 15% by weight of the entire material formulation.

**971-5.3 Glass Spheres:** The glass spheres in the intermix shall consist of 50% Type 1 and 50% Type 3 and meeting the requirements of this Section.

**971-5.4 Sharp Silica Sand:** Sharp silica sand used for bicycle markings and pedestrian crosswalk lines shall meet the following gradation requirements:

Sieve Size	Percent by Mass Passing Designated Sieve (ASTM D1214)
20	100
50	0 to 10

**971-5.5 Physical Requirements:** Laboratory samples shall be tested in accordance with ASTM D4960 and shall meet the following criteria:

Property	Test Method	Minimum	Maximum
Water Absorption	ASTM D570	-	0.5%
Softening Point	ASTM D36	195°F	-
Low Temperature Stress Resistance	AASHTO T250	Pass	-
Specific Gravity	Water displacement	1.9	2.3
Indentation Resistance	ASTM D7735* Type A Durometer	40	75
Impact Resistance	ASTM D256, Method A	1.0 N·m	-
Flash Point	ASTM D92	475°F	-

\* The durometer and panel shall be at 115°F with a 1000 g load applied. Instrument measurement shall be taken after 15 seconds.

**971-5.5.1 Set To Bear Traffic Time:** The thermoplastic shall set to bear traffic in not more than two minutes.

**971-5.5.2 Retroreflectivity:** The white and yellow pavement markings shall attain an initial retroreflectance of not less than 450 mcd/lx·m<sup>2</sup> and not less than 350 mcd/lx·m<sup>2</sup>, respectively. The retroreflectance of the white and yellow pavement markings at the end of the three year APL testing period shall not be less than 250 mcd/lx·m<sup>2</sup>.

**971-5.6 Application Properties:** Application properties shall meet the requirements of Section 711.

**971-5.7 Packing and Labeling:** The thermoplastic material shall be packaged in suitable biodegradable or thermo-degradable containers which will not adhere to the product during shipment and storage. The container of thermoplastic material shall weigh approximately 50 pounds. The label shall also warn the user that the material shall be heated in the range as recommended by the manufacturer.

**971-6 Preformed Thermoplastic Material.**

**971-6.1 General:** The manufacturer shall have the option of formulating the material according to his own specifications. However, the requirements delineated in this Specification and Section 711 shall apply regardless of the type of formulation used. The pigment, glass spheres, and filler shall be well dispersed in the resin.

**971-6.2 Composition:** The preformed thermoplastic shall consist of high quality materials, pigments and glass spheres or other reflective material uniformly distributed throughout their cross-sectional area, with a reflective layer of spheres or other reflective material embedded in the top surface.

**971-6.3 Glass Spheres:** Material shall contain no less than 30% glass spheres by weight.

**971-6.4 Color:** Materials shall meet the performance requirements specified in 971-1.6 and the following additional requirements. The initial luminance factor, Cap Y, shall not be less than 55.

**971-6.5 Physical Requirements:** Laboratory samples shall be tested in accordance with ASTM D4960 and shall meet the following criteria:

Property	Test Method	Minimum	Maximum
Softening Point	ASTM D36	195°F	-
Low Temperature Stress Resistance	AASHTO T250	Pass	-
Indentation Resistance	ASTM D7735* Type A Durometer	40	75
Impact Resistance	ASTM D256, Method A**	1.0 N·m	-

\*The durometer and panel shall be at 115°F with a 1000 g load applied. Instrument measurement shall be taken after 15 seconds.  
\*\*The test specimen for ASTM D256 shall be 1 in. x 1 in. x 6 in. and shall not be notched.

**971-6.5.1 Retroreflectivity:** The white pavement markings other than crosswalks and bicycle markings shall attain an initial retroreflectance of not less than 300 mcd/lx·m<sup>2</sup>. Crosswalks and bicycle markings shall attain initial retroreflectivity of not less than 275 mcd/lx·m<sup>2</sup>. The retroreflectance of the white pavement markings at the end of the three year period shall not be less than 150 mcd/lx·m<sup>2</sup>.

**971-6.5.2 Skid Resistance:** The surface of the pavement markings shall provide a minimum skid resistance value of 35 BPN (British Pendulum Number) when tested according to ASTM E303. Bicycle markings and pedestrian crosswalks shall provide a minimum skid resistance value of 55 BPN.

**971-6.6 Application Properties:** Application properties shall meet the requirements of Section 711.

**971-6.7 Packing and Labeling:** The thermoplastic material shall be packaged in suitable biodegradable or thermo-degradable containers which will not adhere to the product during

shipment and storage. Clearly mark each container with the thickness of the preformed material in units of inches.

#### **971-7 Permanent Tape Materials.**

**971-7.1 General:** The materials for permanent tape pavement markings shall consist of white or yellow weather-resistant reflective film as specified herein. The pigment, glass spheres, and filler shall be well dispersed in the resin. However, the requirements delineated in this Specification and Section 713 shall apply.

**971-7.2 Composition:** Permanent tape pavement markings shall consist of high-quality plastic materials, pigments, and glass spheres uniformly distributed throughout their cross-sectional area, with a reflective layer of spheres embedded in the top surface.

**971-7.3 Skid Resistance:** The surface of the pavement markings shall provide a minimum skid resistance value of 35 BPN when tested according to ASTM E303. Bicycle markings and pedestrian crosswalks shall provide a minimum skid resistance value of 55 BPN.

**971-7.4 Thickness:** The APL will list the specified thickness of each approved product.

**971-7.5 Durability and Wear Resistance:** The film shall be weather resistant and, through normal wear, shall show no significant tearing, rollback or other signs of poor adhesion.

**971-7.6 Conformability and Resealing:** The pavement markings shall be capable of conforming to pavement contours, breaks and faults under traffic at pavement temperatures recommended by the manufacturer. The film shall be capable of use for patching worn areas of the same types of film in accordance with the manufacturer's recommendations.

**971-7.7 Tensile Strength:** The pavement markings shall have a minimum tensile strength of 40 psi when tested according to ASTM D638. A rectangular test specimen 6 inches by 1 inch by 0.05 inches minimum thickness shall be tested at a temperature range of 40 to 80°F using a jaw speed of 0.25 inch/min.

**971-7.8 Pigmentation:** The pigment shall be selected and blended to provide a material which is white or yellow conforming to standard highway colors through the expected life of the pavement markings. Test laboratory samples in accordance with ASTM E811 and E1349.

**971-7.9 Glass Spheres:** The pavement markings shall have glass retention qualities such that, when at room temperature a 2 inches by 6 inches specimen is bent over a 0.5 inch diameter mandrel axis, a microscopic examination of the area on the mandrel shall show no more than 10% of the spheres with entrapment by the material of less than 40%. The bead adhesion shall be such that spheres are not easily removed when the film surface is scratched firmly with a thumbnail.

**971-7.10 Retroreflectivity:** The materials shall attain an initial retroreflectance of not less than 450 mcd/lx·m<sup>2</sup> for white markings and not less than 350 mcd/lx·m<sup>2</sup> for yellow markings. The pavement markings shall retain a minimum retroreflectance for two years of not less than 300 mcd/lx·m<sup>2</sup> for white markings and not less than 250 mcd/lx·m<sup>2</sup> for yellow markings. The retroreflectance of the white, yellow and contrast pavement markings at the end of the five year APL testing period shall not be less than 150 mcd/lx·m<sup>2</sup>.

**971-7.11 Packaging and Labeling:** Ship all permanent tape materials in containers which will not adhere to the product during shipment and storage. Clearly mark each container with the thickness of the preformed material in units of inches.

## **971-8 Two Reactive Component Material.**

**971-8.1 General:** Two reactive component materials intended for use under this Specification shall include, but not be limited to, epoxies, polyesters and urethanes. The manufacturer shall have the option of formulating the material according to his own specifications. However, the criteria outlined in this Specification and Section 709 shall apply regardless of the type of formulation used. The material shall be free from all skins, dirt and foreign objects.

### **971-8.2 Composition:**

Component	Test Method	Criteria
TiO <sub>2</sub> , Type II Rutile (white material only)	ASTM D476	minimum 10% by weight
Volatile Organic Content, (VOC)	ASTM D3960	maximum 150 g/L

**971-8.3 Physical Requirements:** Test laboratory samples in accordance with ASTM and also meet the following criteria:

Property	Test Method	Minimum	Maximum
Adhesion to Concrete	ASTM D4541, ASTM D7234 or ACI 503	Concrete Failure	-
Hardness	ASTM D7735, Type D	75	-
Abrasion Resistance	ASTM D4060	Pass	-

**971-8.3.1 Set To Bear Traffic Time:** The material shall set to bear traffic in not more than two minutes.

**971-8.3.2 Abrasion Resistance:** Test four samples using a Taber Abrader. The material shall be applied to specimen plates using a drawdown blade having a clearance of 15 mils. Clean with a soft brush and weigh each sample. Abrade samples for 1,000 cycles with a combined load of 500 g (arm plus auxiliary weight) on each arm and CS-10 wheels. Clean the samples with a soft brush and weigh again. The average weight loss for the four plates shall not exceed 60 mg per plate.

**971-8.3.3 Retroreflectivity:** The white and yellow pavement markings shall attain an initial retroreflectance of not less than 450 mcd/lx·m<sup>2</sup> and not less than 350 mcd/lx·m<sup>2</sup>, respectively. The retroreflectance of the white and yellow pavement markings at the end of the three year period shall not be less than 150 mcd/lx·m<sup>2</sup>.

**971-8.4 Application Properties:** Application properties shall meet the requirements of Section 709.

**971-8.5 Packaging and Labeling:** The two reactive component material shall be placed in 55 gallon open-end steel drums with a re-usable multi-seal sponge gasket or 275 gallon Intermediate Bulk Container (IBC). No more than 50 gallons of material shall be placed in any drum or 250 gallons in any IBC to allow for expansion during transport and storage. Clearly mark the containers with the volume of materials in units of gallons and the product name.

## **971-9 Profiled Thermoplastic Material.**

**971-9.1 General:** The manufacturer shall utilize alkyd based materials only and shall have the option of formulating the material according to his own specifications. However, the

requirements delineated in this Specification shall apply regardless of the type of formulation used. The pigment, reflective elements, and filler shall be well dispersed in the resin.

**971-9.2 Composition:**

Component	Test Method	White	Yellow
Binder		20.0% minimum	20.0% minimum
TiO <sub>2</sub> , Type II Rutile	ASTM D476	10.0% minimum	-
Reflective Elements	AASHTO T250	% minimum per manufacturer	% minimum per manufacturer
Yellow Pigment		-	% minimum per manufacturer
Calcium Carbonate and Inert Filler (-200 mesh sieve)		% minimum per manufacturer	% minimum per manufacturer

Note: Percentages are by weight.

The alkyd/maleic binder must consist of a mixture of synthetic resins (at least one synthetic resin must be solid at room temperature) and high boiling point plasticizers. At least one-half of the binder composition must be 100% maleic-modified glycerol of rosin and be no less than 15% by weight of the entire material formulation.

**971-9.3 Retroreflective Elements:** The reflective elements in the intermix shall be determined by the manufacturer and identified for the APL.

**971-9.4 Physical Requirements:** Laboratory samples shall be tested in accordance with ASTM D4960 and shall meet the following criteria:

Property	Test Method	Minimum	Maximum
Water Absorption	ASTM D570	-	0.5%
Softening Point	ASTM D36	210°F	-
Low Temperature Stress Resistance	AASHTO T250	Pass	-
Specific Gravity	Water displacement	1.9	2.3
Indentation Resistance	ASTM D7735* Type A Durometer	65	-
Impact Resistance	ASTM D256, Method A	1.0 N·m	-
Flash Point	ASTM D92	475°F	-

\*The durometer and panel shall be at 80°F, with a 1000 g load applied. Instrument measurement shall be taken after 15 seconds.

**971-9.4.1 Set To Bear Traffic Time:** When applied at the temperatures and thickness specified by Section 701, the baseline material shall set to bear traffic in not more than two minutes. The bumps shall set to bear traffic in not more than 10 minutes at ambient air temperatures of 80°F or less and in not more than 15 minutes for ambient air temperatures exceeding 80°F.

**971-9.4.2 Retroreflectivity:** The white and yellow pavement markings shall attain an initial retroreflectance of not less than 300 mcd/lx·m<sup>2</sup> and not less than 250 mcd/lx·m<sup>2</sup>, respectively. The retroreflectance of the white and yellow pavement markings at the end of the three year period shall not be less than 150 mcd/lx·m<sup>2</sup>.

**971-9.4.3 Durability:** Durability shall include flattening of the profile or raised portions of the line. The flattening of the profile or raised portion of the line shall not exceed 25% at the end of the three year period.

**971-9.5 Application Properties:** Application properties shall meet the requirements of Section 701.

**971-9.6 Packing and Labeling:** The thermoplastic material shall be packaged in suitable biodegradable or thermo-degradable containers which will not adhere to the product during shipment and storage. The container of thermoplastic material shall weigh approximately 50 pounds. The label shall warn the user that the material shall be heated in the range as recommended by the manufacturer.





**INVITATION TO BID (ITB) PRICE FORM – BID 23-10**

By signing this bid, the bidder agrees that this bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and that this bid is in all respects fair and without collusion or fraud. Unsigned bids will be considered incomplete and subject to rejection.

It is agreed by the undersigned bidder that the signing and delivery of the bid represents the bidder's acceptance of the terms and conditions of the foregoing specifications and provisions, and if awarded the bid by Authority, will represent the agreement between the parties. The undersigned has attended the mandatory pre-bid conference, if applicable to this bid, examined all documents within this bid for the above titled project and agrees to furnish all materials and services required under the specifications/requirements of this bid.

The Proposer, in submitting this bid, guarantees the following pricing for forty-five (45) days unless an extension of time agreement is reached between the Proposer and the Authority:

The following are submitted by the bidder for the purpose of:

1. Arriving at an estimated total bid price.
2. Establishing price factors to be utilized in adjusting the estimated total price resulting from modification.

**NAME OF BIDDER** \_\_\_\_\_

**PROJECT BID**

\_\_\_\_\_ Dollars \$ \_\_\_\_\_  
Total Price in words Price in Figures

**GUARANTEE OF BID PROPOSAL**

.....

Name of Company: \_\_\_\_\_

Street  
Address: \_\_\_\_\_

\_\_\_\_\_  
City State Zip

Mailing  
Address: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Business is licensed (unless exempt by applicable law), permitted, and certified to do business in the

State of Florida: ☐ Yes ☐ No If yes, License #: \_\_\_\_\_

State of Florida Corporation ID # (From Secretary of State): \_\_\_\_\_

Federal Employer Identification Number (FEIN): \_\_\_\_\_

**IN WITNESS WHEREOF, this Bid Proposal is hereby signed and sealed as of the date indicated.**

\_\_\_\_\_  
Witness

\_\_\_\_\_  
(Authorized Signature in Ink)

\_\_\_\_\_  
(Printed Name of Above Signer)

Corporate Seal (Where appropriate)

\_\_\_\_\_  
(Printed Title of Above Signer)

\_\_\_\_\_  
(Date Signed)

*By signing above, I attest that all the information listed herein is correct, to the best of my knowledge, and agree to be bound by the terms, conditions, and my company's submitted pricing with regards to this bid agreement.*

## Bid Bond

(Attach any additional forms from Surety Company)

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned \_\_\_\_\_  
as Principal, hereinafter called the Principal, and

\_\_\_\_\_, a corporation duly organized under the laws of the State of \_\_\_\_\_ as (Surety), hereinafter called the Surety, are held and firmly bound unto \_\_\_\_\_ As OWNER, hereinafter, called the OWNER, in the sum of \_\_\_\_\_ Dollars (\$) ) for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for \_\_\_\_\_

NOW, THEREFORE, if the OWNER shall accept the bid of the Principal and the Principal shall enter into a Contract with the OWNER in accordance with the terms of such bid, and give such bond or bonds as may be specified in the Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the OWNER the differences not-to-exceed the penalty hereof between the amount specified in said bid and such larger amount for which the OWNER may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

\_\_\_\_\_  
(Principal Signature)

(Witness)

\_\_\_\_\_  
(Witness) \_\_\_\_\_ (Title)

(Surety)

\_\_\_\_\_  
(Surety) \_\_\_\_\_ (Title)

(SEAL)

ACKNOWLEDGMENT OF ADDENDA (If applicable)

.....

I, \_\_\_\_\_, on this \_\_\_\_\_, day of \_\_\_\_\_, 2024 hereby  
acknowledge receipt of any and all Addenda Notices hereby issued regarding **this Bid #23-10 for Raymond James Stadium Repaving Project.**

Addenda Numbers Received:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

AUTHORIZED SIGNATURE: \_\_\_\_\_  
PRINTED NAME OF ABOVE: \_\_\_\_\_  
TITLE OF ABOVE: \_\_\_\_\_  
COMPANY NAME: \_\_\_\_\_

**(ACKNOWLEDGMENT OF BIDDER, IF A CORPORATION)**

STATE OF \_\_\_\_\_)

SS

COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned authority, personally appeared \_\_\_\_\_, to me known to be the individual described in and who executed the foregoing instrument as \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_ corporation, and who severally and duly acknowledged the execution of such instrument as such an officer aforesaid, for and on behalf of and as the act and deed of said corporation, pursuant to the powers conferred upon said officer by the corporation's Board of Directors or other appropriate authority of said corporation, and who, having knowledge of the several matters in said foregoing instrument, certified the same to be true in all respects.

Signature of Company Representative \_\_\_\_\_

WITNESS my hand and official seal the date aforesaid.

\_\_\_\_\_(Signature of Notary Public)

\_\_\_\_\_(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally known \_\_\_\_\_ or product identification \_\_\_\_\_

Type of identification produced \_\_\_\_\_ **(NOTARY'S SEAL)**

**(ACKNOWLEDGMENT OF BIDDER, IF A PARTNERSHIP OR INDIVIDUAL)**

STATE OF \_\_\_\_\_)

SS

COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned authority, personally appeared \_\_\_\_\_, to me known to be the individual described in and who executed the foregoing instrument as a member of the firm of \_\_\_\_\_ (if applicable) and acknowledged the execution of same, for and on behalf of and as the act and deed of said firm, for the uses and purposes therein expressed.

Signature of Company Representative \_\_\_\_\_

WITNESS my hand and official seal the date aforesaid.

\_\_\_\_\_(Signature of Notary Public)

\_\_\_\_\_(Print, Type, or Stamp Commissioned Name of Notary Public)

Personally known \_\_\_\_\_ or produced identification \_\_\_\_\_

Type of identification produced \_\_\_\_\_ **(NOTARY'S SEAL)**

**ACKNOWLEDGMENT OF PRINCIPAL, IF CORPORATION**

.....

(STATE OF \_\_\_\_\_)

(COUNTY OF \_\_\_\_\_)

(CITY OF \_\_\_\_\_)

The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,

by \_\_\_\_\_ of \_\_\_\_\_  
(Name and Title of Officer) (Name of Principal)

\_\_\_\_\_ corporation, on behalf of said corporation. He/She is  
(State of Corporation)

personally known to me or has produced \_\_\_\_\_ as identification.  
(Type of Identification)

He/She warrants that he/she is authorized by the Board of Directors of said corporation to execute the foregoing instrument.

Signature of company representative: \_\_\_\_\_

**NOTARY PUBLIC:**

**NOTARY SEAL:**

SIGN: \_\_\_\_\_

PRINT: \_\_\_\_\_

Notary Public, State at large

My Commission Expires: \_\_\_\_\_

**LEGAL STATUS OF BIDDER**

.....

This Proposal is submitted in the name of: \_\_\_\_\_  
(Print)

The undersigned hereby designated below his business address to which all notices, directions or other communications may be served or mailed:

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

The undersigned hereby declares that he/she has legal status checked below:

- ( ) INDIVIDUAL
- ( ) INDIVIDUAL DOING BUSINESS UNDER AN ASSUMED NAME
- ( ) CO-PARTNERSHIP  
*The Assumed Name of the Co-Partnership is registered in the County of \_\_\_\_\_  
Florida*
- ( ) CORPORATION INCORPORATED UNDER THE LAW OF THE STATE OF \_\_\_\_\_  
*The Corporation is:*
- ( ) LICENSED TO DO BUSINESS IN FLORIDA
- ( ) NOT NOW LICENSED TO DO BUSINESS IN FLORIDA

The name, titles, and home address of all persons who are officers or Partners in the organization are as follows:

NAME AND TITLE	HOME ADDRESS
_____	_____
_____	_____
_____	_____
_____	_____

Signed and Sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

### **BIDDER REFERENCES**

The bidder shall submit the following minimum information as reference for three (3) similar projects that have been completed successfully by the bidder in the Southeastern United States within the last five (5) years. Three projects are required to qualify the firm to bid. References will be contacted; projects will be reviewed for quality of workmanship. Information supplied will be considered in the award of this contract.

.....

**1. PROJECT:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**LOCATION:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**OWNER REPRESENTATIVE:** **Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Email:** \_\_\_\_\_

.....

**2. PROJECT:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**LOCATION:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**OWNER REPRESENTATIVE:** **Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Email:** \_\_\_\_\_

.....

**3. PROJECT:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**LOCATION:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**OWNER REPRESENTATIVE:** **Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

**Email:** \_\_\_\_\_



**SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(a),**  
**FLORIDA STATUTES - PUBLIC ENTITY CRIMES**

.....  
THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER  
AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to \_\_\_\_\_  
(Print name of the public entity)  
by \_\_\_\_\_  
(Print individual's name and title)  
for \_\_\_\_\_  
(Print name of entity submitting sworn statement)

whose business address is \_\_\_\_\_  
and (if applicable) its Federal Employer Identification Number (FEIN) is: \_\_\_\_\_  
(If the entity has no FEIN, include the Social Security Number of the Individual signing this sworn  
statement): \_\_\_\_\_).

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision or any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
- a. A predecessor or successor of a person convicted of a public entity crime; or
  - b. An entity under the control any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
  - c. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
  - d. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Indicate which statement applies.)

\_\_\_\_\_ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THOROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

\_\_\_\_\_  
(Signature)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ Day of \_\_\_\_\_, 20\_\_\_\_, by

\_\_\_\_\_, who is personally known to me or

who has produced \_\_\_\_\_ as identification.

**NOTARY PUBLIC:**

**NOTARY SEAL**

SIGN: \_\_\_\_\_

PRINT: \_\_\_\_\_

Notary Public, State at large

My Commission Expires: \_\_\_\_\_

**SWORN STATEMENT UNDER SECTION 105.08,**  
**TAMPA SPORTS AUTHORITY - DISCLOSURE OF RELATIONSHIPS**

.....

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid, Proposal or Contract No. \_\_\_\_\_  
for \_\_\_\_\_

2. This sworn statement is submitted by: \_\_\_\_\_

\_\_\_\_\_  
(Name of entity submitting Statement)

whose business address is: \_\_\_\_\_

\_\_\_\_\_  
and (if applicable) its Federal Employer Identification Number (FEIN) is \_\_\_\_\_  
(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement \_\_\_\_\_).

3. My name is \_\_\_\_\_  
(Please print name of individual signing)

and my relationship to the entity named above is \_\_\_\_\_

4. I understand that an "affiliate" as defined in Section 105.08, Tampa Sports Authority rules, means:

The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of the entity.

5. I understand that the relationship with a TSA Commissioner or TSA employee that must be disclosed as follows:

Father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, daughter-in-law, son-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half-brother, half-sister, grandparent, or grandchild.

6. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. [Please indicate which statement applies.

\_\_\_\_\_ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, have any relationships as defined in section 105.08, Tampa Sports Authority rules, with any TSA Commissioner or TSA employee.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents, who are active in management of the entity, have the following relationships with a TSA Commissioner or TSA employee:

Name of Affiliate  
or entity

Name of TSA Commissioner  
or employee

Relationship

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ Day of \_\_\_\_\_, 20\_\_\_\_, by  
\_\_\_\_\_, who is personally known to me or  
who has produced \_\_\_\_\_ as identification.

**NOTARY PUBLIC:**

**NOTARY SEAL:**

SIGN: \_\_\_\_\_

PRINT: \_\_\_\_\_  
Notary Public, State at large  
My Commission Expires: \_\_\_\_\_

**PREFERENCE TO BUSINESSES WITH DRUG-FREE WORKPLACE PROGRAMS**  
**UNDER SECTION 287.087, FLORIDA STATUTES**

1. This statement is submitted with **Invitation to Bid #23-10 for Raymond James Stadium Repaving Project.**
2. Preference shall be given to businesses with drug-free workplace programs. Whenever two or more Proposals which are equal with respect to price, quality, and service are received by the Authority for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie Proposals will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:
  - a. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for specifying the actions that will be taken against employees for violations of such prohibition.
  - b. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
  - c. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (A).
  - d. In the statement specified in subsection (A), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, violation of Chapter 893 or of any controlled substance law of the United States or any state for a violation occurring in the workplace no later than five (5) days after such conviction.
  - e. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program, if such is available in the employee's community, by any employee who is so convicted.
  - f. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

**AS THE PERSON AUTHORIZED TO SIGN THE STATEMENT, I CERTIFY THAT THIS COMPANY COMPLIES FULLY WITH THE ABOVE REQUIREMENTS.**

BIDDER/PROPOSER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

COMPANY NAME: \_\_\_\_\_

**E-VERIFY AFFIDAVIT**

.....

**Obligation for State-Funded Contracts:**

Florida Statutes Sections 288.061 and 448.095 require all State of Florida agencies to verify the employment eligibility of all new agency employees through the U.S. Department of Homeland Security E-Verify system. Further, agencies are directed to include as a condition of all contracts for the provision of goods and services to the state in excess of nominal value, an express requirement that contractors utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the contractor during the contract term, and an express requirement that contractors include in such contracts the requirement that subcontractors performing work or providing services pursuant to the state contract utilize the E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

In accordance with Fla. Stat. §§ 288.061 and 448.095(2), Tampa Sports Authority ("TSA") requires all vendors doing business with TSA who are awarded state-funded contracts to verify employee eligibility using the E-Verify system. It is the responsibility of the awarded vendor to ensure compliance with E-Verify requirements. To enroll in E-Verify, vendors should visit the E-Verify website at <http://www.e-verify.gov> and follow the instructions to register. The vendor must also retain the I-9 Forms for inspection, per usual.

By affixing your signature below, you hereby affirm that you will comply with the E-Verify system requirements.

Federal Employer Identification Number (FEIN): \_\_\_\_\_

\_\_\_\_\_  
Printed Name of Affiant

\_\_\_\_\_  
Printed Title of Affiant

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Date

\_\_\_\_\_  
Address of Firm

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Zip Code

**Notary Public Information**

Notary Public - State of \_\_\_\_\_ County of \_\_\_\_\_

Subscribed and sworn to (or affirmed) before me this \_\_\_\_\_ day of \_\_\_\_\_, 2024

By \_\_\_\_\_. He/she is personally known to me \_\_\_\_\_ or has  
produced identification \_\_\_\_\_.  
(Type of Identification Produced)

\_\_\_\_\_  
Signature of Notary Public

\_\_\_\_\_  
Serial Number

\_\_\_\_\_  
(Print or Stamped name of Notary Public)

\_\_\_\_\_  
(Expiration Date)

*Affix Notary Seal Here:*

**STATEMENT OF NO BID**

.....

**Bid Number:**     23-10

**Title:**             Raymond James Stadium Repaving Project

.....

**IMPORTANT NOTICE TO VENDORS:** If you do not intend to submit a bid/proposal and wish to continue to receive notice of Tampa Sports Authority procurements, please return this "Statement of No Bid" via fax, email, or U.S. Mail on the day of or prior to the bid opening. If you elect not to submit a bid/proposal, please indicate the reason below and either email this form to: [djones@tampasportsauthority.com](mailto:djones@tampasportsauthority.com) or mail this for to the address above.

.....

- ☐ We do not offer this product/service or an equivalent.
- ☐ Our schedule would not permit us to perform.
- ☐ Insufficient time to respond to solicitation.
- ☐ Unable to meet specifications.
- ☐ Specifications not clear.
- ☐ Unable to meet bond and/or insurance requirements.
- ☐ Specifications "too tight"/restrictive (i.e., geared to a specific brand or manufacturer).
- ☐ Sub-Contractor (submitted bid to General Contractor).
- ☐ Other (please explain below):
- .....

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

.....

We understand that if the "No Bid" letter is not executed and returned, our name may be deleted from the list of qualified bidders for the Tampa Sports Authority.

SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME (PRINTED): \_\_\_\_\_

COMPANY: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_ EMAIL: \_\_\_\_\_

## BID CHECKLIST

.....  
Please use this Bid Checklist form to mark off all forms within this bid package as signed and/or acknowledged.  
.....

<input type="checkbox"/>	General Terms, Conditions, & Provisions Acknowledgment.....	15
<input type="checkbox"/>	Invitation To Bid (ITB) Form .....	24
<input type="checkbox"/>	Guarantee of Bid Proposal .....	25
<input type="checkbox"/>	Bid Bond Form .....	26
<input type="checkbox"/>	Acknowledgment Of Addenda (If Applicable) .....	27
<input type="checkbox"/>	Acknowledgment Of Bidder, If a (Corporation, Partnership Or Individual) .....	28
<input type="checkbox"/>	Acknowledgment Of Principal if a Corporation .....	29
<input type="checkbox"/>	Legal Status of Bidder .....	30
<input type="checkbox"/>	Bidder References .....	31
<input type="checkbox"/>	Sworn Statement – Public Entity Crimes.....	32
<input type="checkbox"/>	Sworn Statement – Disclosure Of Relationships .....	34
<input type="checkbox"/>	Drug-Free Workplace Acknowledgment .....	36
<input type="checkbox"/>	E-Verify Affidavit .....	37
<input type="checkbox"/>	Statement Of No Bid .....	38
<input type="checkbox"/>	Bid Checklist .....	39

\_\_\_\_\_  
*I acknowledge by my signature above that all the above forms  
(If applicable) have been included in my bid to the Authority.*

\_\_\_\_\_  
*Date*



## GOVERNMENT PURCHASING COUNCIL LIST

---

### **City of Plant City**

Buddy Storey, Purchasing Manager  
Drawer C  
Plant City, FL 33563  
813-659-4270 – Telephone  
813-659-4216 – Fax  
[Wstorey@plantcitygov.com](mailto:Wstorey@plantcitygov.com)

### **City of Temple Terrace**

Judy Crutcher, Asst. Purchasing Agt.  
PO Box 16930  
Temple Terrace, FL 33687  
813-506-6420 – Telephone  
813-989-7185 – Fax  
[jcrutcher@templeterrace.com](mailto:jcrutcher@templeterrace.com)

### **Clerk of Circuit Court**

601 E. Kennedy Blvd., - 13<sup>th</sup> Floor  
PO Box 1110  
Tampa, FL 33601  
813-276-8100 Ext. 7721 - Telephone  
813-272-5521 – Fax  
[www.hillsclerk.com](http://www.hillsclerk.com)

### **Tampa-Hillsborough County Expressway Authority**

1104 E. Twiggs St., Suite #300  
Tampa, FL 33602  
813-272-6740 – Telephone  
813-276-2492 – Fax  
[Man.le@tampa-xway.com](mailto:Man.le@tampa-xway.com)

### **Hillsborough Area Regional Transit Authority**

Melissa Smiley  
4305 E. 21<sup>st</sup> Street  
Tampa, FL 33605  
813-623-5835 – Telephone  
813-664-1119 – Fax  
[smileym@gohart.org](mailto:smileym@gohart.org)

### **Hillsborough County Aviation Authority**

Tampa International Airport  
PO Box 22287  
Tampa, FL 33622-2287  
813-870-8730 – Telephone  
813-875-6670 – Fax  
[www.tampairport.com](http://www.tampairport.com)

### **Hillsborough County School Board**

PO Box 3408  
Tampa, FL 33601-3408  
813-272-4329 – Telephone  
813-272-4007 – Fax  
[www.sdhc.k12.fl.us](http://www.sdhc.k12.fl.us)

### **Hillsborough Community College**

Vonda Melchior, Director of Purchasing  
39 Columbia Drive  
Tampa, FL 33606  
813-253-7060 – Telephone  
813-253-7561 – Fax  
[vmelchoir@hcc.fl.edu](mailto:vmelchoir@hcc.fl.edu)

### **Hillsborough County Board of County Commissioners**

Scott Stromer, Director  
601 E. Kennedy Blvd., 26<sup>th</sup> Floor  
Tampa, FL 33601  
813-272-5790 – Telephone  
813-272-6290 – Fax  
[procurementservices@hillsboroughcounty.org](mailto:procurementservices@hillsboroughcounty.org)

### **Hillsborough County Sheriff's Office**

Christina R. Porter, CFO  
PO Box 3371  
Tampa, FL 33601  
813-247-8032 – Telephone  
813-242-1825 – Fax  
[CRPorter@hcsotampa.fl.us](mailto:CRPorter@hcsotampa.fl.us)

### **State Attorney's Office**

Mark Ober, State Attorney  
800 E. Kennedy Blvd., 5<sup>th</sup> Floor  
Tampa, FL 33602  
813-272-5400 – Telephone  
813-272-7014 – Fax  
[Ober\\_M@SAO13th.com](mailto:Ober_M@SAO13th.com)

### **Tampa Port Authority**

Donna Casey, Procurement Analyst  
PO Box 2192  
Tampa, FL 33601  
813-905-5164 – Telephone  
813-905-5109 – Fax  
[dwebb@tampaport.com](mailto:dwebb@tampaport.com)

### **Supervisor of Elections**

601 E. Kennedy Blvd., 16<sup>th</sup> Floor  
Tampa, FL 33602  
813-276-8274 – Telephone  
813-272-7043 – Fax  
[www.votehillsborough.org](http://www.votehillsborough.org)

### **City of Tampa Housing Authority**

Jerome Ryans, President/CEO  
1514 Union Street  
Tampa, FL 33607  
813-253-0551 – Telephone  
[irenew@thaf.com](mailto:irenew@thaf.com)

### **Tampa Sports Authority**

Delticia Jones, Procurement Manager  
4201 N. Dale Mabry Hwy.  
Tampa, FL 33607  
813-350-6500 Ext. 6511 – Telephone  
[djones@tampasportsauthority.com](mailto:djones@tampasportsauthority.com)

### **Tax Collector**

601 E. Kennedy Blvd., 14<sup>th</sup> Floor  
Tampa, FL 33602  
813-307-6222 – Telephone  
813-307-6521 – Fax  
[www.hillstax.org](http://www.hillstax.org)

### **The Children's Board of Hillsborough County**

1002 E. Palm Avenue  
Tampa, FL 33605  
813-229-2884 – Telephone  
813-228-8122 – Fax  
[www.childrensboard.org](http://www.childrensboard.org)

### **University of South Florida**

George Cotter,  
Director of Purchasing Services  
4202 E. Fowler Avenue, SVC-1072  
Tampa, FL 33620  
813-971-3340 – Telephone  
[gcotter@admin.usf.edu](mailto:gcotter@admin.usf.edu)

### **Property Appraiser**

601 E. Kennedy Blvd., 16<sup>th</sup> Floor  
Tampa, FL 33602  
813-272-6100 – Telephone  
813-272-5519 – Fax  
[www.hcpafl.org](http://www.hcpafl.org)

### **Tampa Palms Community Dev. Dist.**

16311 Tampa Palms Blvd. W.  
Tampa, FL 33647  
813-977-3933 – Telephone  
813-977-6571 – Fax  
[www.tpoa.net](http://www.tpoa.net)