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Solicitation Addendum

Addendum No.: 1
Solicitation No.: 22-TA004105SAM
Project No.: 6107960
Solicitation Title: Lockwood Ridge Rebase & Resurface
Addendum Date: May 24, 2022
Procurement Contact: Sherri Meier

IFBC No. 22-TA004105SAM is amended as set forth herein. Responses to questions posed by prospective bidders are provided below. This Addendum is hereby incorporated in and made a part of IFBC No. 22-TA004105SAM.

The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this IFBC was May 16, 2022.

ADD:

TABLE OF CONTENTS, SECTION C, BID ATTACHMENTS

Add Bid Attachment 8, Green Colored Pavement Markings, as attached to this Addendum 1 and hereby incorporated into the IFBC.

QUESTIONS AND RESPONSES:

- Q1. There are pay items on the pay item list and in the plans that have blank quantities. What is the intention of these?**
- R1. No quantities are needed if quantities are blank.
- Q2. Green payment marking with FDOT are under a developmental spec. Owner has ended the pay item with SP, contractor making the assumption this stands for “Supplemental Provision”, yet project manual provides no specification for these green pavement markings.**
- R2. SP was referring to Developmental Specifications. Refer to Pay Items 70 and 71. See Developmental Specifications, Section 714 (attached).

- Q3. The ITB states “no road closures will be allowed between the hours of 6AM to 7PM.” Does the owner mean “no LANE closures will be allowed between the hour of 6am to 7 pm”?**
- R3. Road is the correct word; it may not be closed in its entirety in either direction.
- Q4. “Temporary by-pass lanes may be constructed at all tie-in locations during the MOT phasing” is a vague statement. Please expand on what this means.**
- R4. If a temporary lane is needed to route traffic for MOT crossover.
- Q5. There appears to be loop detectors at the intersection of Lockwood and Lockwood Ridge. Are these being abandoned?**
- R5. Yes
- Q6. We see no pay item for adjustment of manholes or valve boxes within the roadway.**
- R6. The valve adjustments are paid under U1 to U5, provided by a separate document.
- Q7. What is the engineer’s estimate for this project?**
- R7. The engineer’s estimate is \$7,482,504 for roadway, \$69,000 for utility adjustments.
- Q8. General notes for striping plan state removal of delineator posts are incidental to Clearing and Grubbing item. There is no clearing and grubbing item. Can one please be provided?**
- R8. Clearing & Grubbing is not needed as the work is covered by milling.
- Q9. There is no item for account for removal of existing concrete. Can one please be provided?**
- R9. The removal of existing concrete sidewalk or driveway is to be paid under Items 25, 27 and 28, concrete sidewalk or driveway.
- Q10. Are the calendar days 93/155 days to substantial completion, with an additional amount of time for Final Completion?**
- R10. Yes, calendar days of 93/155 are to substantial completion.
- Q11. Preliminary scheduling of this project shows finishing this job in 93 days (even to just substantial completion) would be impossible. Will the owner please consider increasing contract time?**
- R11. The other bidding option is 155 calendar days.
- Q12. Will an extension of time be granted for material delays? Concrete and cement are hard to come by in the quantities we are used to receiving.**
- R12. A conversation can be had with the successful bidder should circumstances warrant.
- Q13. Traffic Signals are expected to be 4-9 months out at the moment. Will extensions be issued for the delay of these items?**
- R13. A conversation can be had with the successful bidder should circumstances warrant; note signal improvements are upgrading equipment and should not involve ordering any new mast arms.

- Q14. Is there any core data for the roadway?**
R14. No
- Q15. Will there be an AC adjustment or Emulsion escalation clause allowed?**
R15. Yes. Follow FDOT current specification for the asphalt mix design.
- Q16. Currently there is a Portland Cement supply issue. Will the County make any allowances in the amount of time to complete the project?**
R16. A conversation can be had with the successful bidder should circumstances warrant.
- Q17. Are there any lane closure requirements?**
R17. Due to high traffic volumes, lane closures are ONLY permitted from 7 AM – 4 PM.
- Q18. Will night work be permitted?**
R18. Night work may be considered given Manatee County review & approval.
- Q19. Will temporary stripping be required?**
R19. Temporary striping is required as per FDOT current specifications.
- Q20. Are there any restrictions as to the length of Milling allowed?**
R20. Repave all milled surfaces no later than the day after the surface was milled.
Consideration needs to be given for maintaining traffic flow.
- Q21. Are there any restrictions as to the length of Cold-In-Place Recycling allowed?**
R21. At all times maintain safe drivable surface.
- Q22. How long can traffic be kept off, of the recycled pavement layer?**
R22. Refer to the specifications for cold-in-place recycling for the requirement of Return of Traffic.
- Q23. How long can traffic be permitted on the recycled material before paving with HMA?**
R23. Refer to the specifications for cold-in-place recycling for the requirements of Return of Traffic, Protection and Damage.
- Q24. How many 2” HDPE conduits are required for new directional bores?**
R24. Unless called out differently on plans, two (2) 2” conduits.
- Q25. It does not appear that the engineer has provided enough underground conduit for the specified. (sheet T-8 asking for 1200’ of conduit in three directions but only providing 1200’ total for that sheet)**
R25. 1200 ft of conduit is for each MVDS site. Sheet T-6 has one (1) MVDS site, Sheet T-7 has two (2) MVDS sites Sheet 8 has three (3) MVDS. In addition, each signalized intersection also has three conduit runs (2) 2” conduits across three legs of the intersection with associated pull boxes, as shown in the plan view.

Q26. It does not appear the engineer has provided enough quality for the number required click units for the 660 3 11 pay item. Some of the intersections with 8 detectors will require 2 each click 650 detectors.

R26. 0660 3 11 Shall include all necessary Wavetronix Clicks Units for a complete and operational setup.

Q27. The bid schedule has a zero quantity for pay item 670 5 11, if you are trying to establish a unit price for just in case, we will need cabinet requirements.

R27. There is zero quantity for this item and not required

NOTE:

Deleted items will be ~~struck through~~, added or modified items will be underlined. All other terms and conditions remain as stated in the IFBC.

INSTRUCTIONS:

Receipt of this Addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

END OF ADDENDUM

AUTHORIZED FOR RELEASE

GREEN-COLORED PAVEMENT MARKINGS.
(REV 6-10-21)

The following new Section is added after Section 713:

SECTION 714
GREEN-COLORED PAVEMENT MARKINGS

714-1 Description.

Apply new green-colored pavement markings in accordance with the Contract Documents.

714-2 Materials.

Use only materials listed on the Innovative Product List (IPL) and meeting the following requirements:

Green-Colored Pavement Marking Materials..... Section 976

714-3 Equipment.

Use equipment in accordance with the manufacturer's installation instructions.

714-4 Application.

714-4.1 General: Remove existing pavement markings using a method approved by the Engineer such that pavement surface scars or traces of the removed pavement markings will not conflict with new pavement markings. Do not use paint to blackout, hide, or disguise existing pavement markings.

For installation on new asphalt roadways, apply pavement markings a minimum of 14 days after placement of the final asphalt surface course.

Before applying pavement markings, remove any material that would adversely affect the bond of the pavement markings by a method approved by the Engineer. Follow the manufacturer's recommendations for surface preparation.

For each green-colored pavement marking location, produce and provide a video record of the pavement before and after installations. Video records with timestamp will be provided to the Department within one week after installation. Provide video files via digital media (DVD, flash drive, or other) or by online digital distribution with a minimum standard resolution of 720 x 480 and at a speed not greater than 6 feet per second. The video image shall be clear, focused, and relatively free from roll, static, or other image distortion qualities that would prevent the reviewer from evaluating the condition of the roadway surface.

714-4.2 Preformed Thermoplastic:

Apply a primer, sealer, or surface preparation adhesive as recommended by the manufacturer's recommendations prior to installation.

Apply markings to dry surfaces only and when ambient air temperature is at least 32°F. Prior to installation, follow the manufacturer's recommendations for pre-heating. Apply 0.125 inch or 125 mils of preformed thermoplastic material. Apply skid resistant material in accordance with the manufacturer's instructions.

714-4.3 Two Reactive Component Pavement Markings: Install two reactive component pavement markings in accordance with manufacturer's recommendations.

Install two reactive component pavement markings in areas subject to vehicular traffic to a thickness meeting manufacturer recommended thickness requirements.

714-5 Contractor's Responsibility for Notification.

Notify the Engineer prior to the placement of the materials. At the time of notification, submit a certification to the Engineer with the Product name and the batch or Lot numbers of the preformed thermoplastic or two component reactive pavement markings to be used.

714-6 Protection of Newly Applied Pavement Markings.

Do not allow traffic onto or permit vehicles to cross newly applied pavement markings until they are sufficiently dry. Remove and replace any portion of the pavement markings damaged by passing traffic or from any other cause, at no additional cost to the Department.

714-7 Method of Measurement.

The quantity to be paid for will be the plan quantity area, in square feet, of green-colored pavement markings acceptably applied, subject to 9-1.3.2.

714-8 Basis of Payment.

Prices and payments will be full compensation for all work specified in this Section, including, all cleaning and preparing of surfaces, furnishing of all materials, application, curing and protection of all items, protection of traffic, furnishing of all tools, machines and equipment, and all incidentals necessary to complete the work. Final payment will be withheld until all deficiencies are corrected.

Payment will be made under:

Item No. 920- 714- Green-Colored Pavement Markings – per square foot.

**GREEN-COLORED PAVEMENT MARKING MATERIALS.
(REV 8-24-21)**

The following new Section is added after Section 975:

**SECTION 976
GREEN-COLORED
PAVEMENT MARKING MATERIALS**

976-1 General Requirements.

976-1.1 Innovative Products List Requirements: To qualify for the Innovative Products List (IPL), manufacturers will submit products to the Department for evaluation. The Department will test all green-colored pavement marking materials in accordance with FM 5-622. Manufacturers must identify the materials for all components of the green-colored pavement marking materials system and submit samples to State Material Office for Fourier Transform Infrared Spectroscopy (FTIR) analysis.

976-1.2 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 manufacture, and lot 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.

976-1.2.1 Two Reactive Components: The two reactive component material containers shall be clearly marked with the volume of materials in units of gallons and the product name.

976-1.2.2 Preformed Thermoplastic: 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.

976-1.3 Storage: All materials must have a shelf life in accordance with the manufacturer's recommendations.

976-1.4 Initial Performance Requirements: The green-colored pavement marking materials shall meet the following performance requirements and will be tested in accordance with FM5 622 – Part A.

976-1.4.1 Friction Resistance: The surface of the pavement markings shall provide a Dynamic Friction Test (DFT40) value of 50 or greater.

976-1.4.2 Color: The daytime luminance factor (Y) must be greater than or equal to 15. The daytime chromaticity (x, y) must fall within the box created by the following coordinates:

Table 976-1				
Daytime Chromaticity Coordinates for Green-Colored Pavement Marking Materials (Corner Points)				
	1	2	3	4
x	0.230	0.266	0.367	0.444
y	0.754	0.460	0.480	0.583

976-1.5 In-Service Performance Requirements: Green-colored pavement marking materials shall maintain the following performance requirements at the end of the three-year period and will be tested in accordance with FM5-622 – Part B.

976-1.5.1 Friction Resistance: The surface of the pavement markings shall provide a Dynamic Friction Test (DFT40) value of 40 or greater.

976-1.5.2 Wear: Wearing of the material coating shall not expose more than 15% of the underlying surface area.

976-1.5.3 Pavement Distress: Pavement distress occurring after installation of green-colored pavement marking materials may result in removal from the IPL, and require the manufacturer to mill, resurface, replace, and install with a product on the IPL at no additional cost to the Department.

976-1.6 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 976-1 of 40 CFR 261.24. Additionally, glass 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.

Submit installation instructions including the number of coats and the thickness of each coat, if applicable.

976-2 Composition.

The product installed shall consist of high-quality materials, producing an adherent, weather-resistant, friction-resistant, wear-resistant surface, and shall be uniformly distributed throughout the cross-sectional area. Color shall be integral and consistent throughout the installation.

976-3 Manufacturer's Warranty.

The manufacturer must provide a three-year manufacturer's warranty to the Department. At a minimum the warranty must include that the product is warranted by the manufacturer for this specification intended use, meets stated minimum requirements and conditions of this specification, and is unchanged from materials, formulation, installation methods, and performance and test values as submitted to the Department. The manufacturer's warranty shall be satisfactory to the Department and requires the manufacturer to provide and maintain a listing of projects/locations where the product has been installed.