

ADDENDUM NO. 3

June 3, 2020

BIDDING AND CONTRACT DOCUMENTS

FOR

BOYD DEEP CANYON- ROAD REPAIR

PROJECT NO. 950515

CONTRACT NO. 950515-MF-2020-103



The following changes, additions, or deletions shall be made to the following documents as indicated for this Project; and all other terms and conditions shall remain the same. Each bidder is responsible for transmitting this information to all affected subcontractors and suppliers before the Bid Deadline.

1. **ADVERTISEMENT FOR BIDS**

Delete existing Advertisement for Bids and replace it with the one issued in this Addendum.

2. **SPECIFICATIONS**

Delete existing Specifications Table of Contents and replace with the one issued in this Addendum.

Delete existing Specification 32 12 16 Asphalt Paving and replace it with the one issued in this Addendum.

Add Specification 32 12 16.10, Pulverize and Compact.

3. **REQUEST FOR INFORMATION**

BID RFI No.	QUESTIONS / ANSWERS
1-6	<p>Question: The Asphalt Pavement Section 32 12 16 refers to several repairs not specifically shown on the plans, such as Chip Seal (3.4), Slurry Seal (3.5), Sealing Cracks In Asphalt Pavement (3.4 & 3.5) and Cement Stabilized Pulverized Base CSPB (3.6). Please confirm whether or not these items are required?</p> <p>Answer: Not required. <i>The CSPB, slurry seal, and chip seal in 32.12.16 are not required and have been removed. A new specification for Pulverize and Compact per Alternate 3 is provided.</i></p>

END OF ADDENDUM

ADVERTISEMENT FOR BIDS

Subject to conditions prescribed by the University of California, Riverside, bids for a lump sum Contract are requested for the following work:

BOYD DEEP CANYON- ROAD REPAIR
Project Number 950515
CONTRACT NO.: 950515-MF-2020-103
UNIVERSITY OF CALIFORNIA, Riverside
RIVERSIDE, CALIFORNIA

DESCRIPTION OF WORK: The access road, which services the Boyd Deep Canyon Desert Research Center, is a three-mile stretch of asphalt, which begins in the foothills of the Santa Rosa Mountains and stretches down through the wash to the levee, which serves to protect the southern edge of the Reserve and Ironwood private communities. The University intends to perform some level of maintenance on the stretch of road with all work being completed before June 30, 2020. Since this is a singular access to the research buildings, it will be necessary to coordinate some level of access for the users who work and live at the Research Center.

Estimated construction cost: **\$160,000.00**

Bidding and Contract Documents will be available upon request by sending an email to kara.longtin@ucr.edu. Interested parties must use the following in the subject header:

950515 Boyd Deep Canyon Road Repair – Request for Bid Documents

MANDATORY PRE-BID CONFERENCE:

A mandatory Pre-Bid Zoom conference call will take place on **THURSDAY, MAY 21ST, 2020** beginning promptly at **2:30 PM**. Only bidders who participate in the Pre-Bid conference will be allowed to bid on the Project as prime contractors. For further information, including the Zoom Meeting ID, interested bidders must contact the Project's Contract Administrator, **Kara Longtin** via email, at kara.longtin@ucr.edu. And must use the project's number and name in the subject header to request the Zoom information.

BID DEADLINE

Bids must be received at or before ~~2:00 PM, FRIDAY, JUNE 5TH, 2020~~ **11:00 AM, Tuesday, June 9th** for furnishing all labor, materials, services, and equipment to complete the Work described below in accordance with the enclosed Bidding Documents. Due to COVID-19 restrictions, all bids will be received electronically only at the email address above; the low bidder must produce the original bid, bid bond, notary acknowledgement and surety notice within 24 hours of making an announcement of who the low bidder is.

Bids are to be submitted to The Regents of the University of California ("University") **via email only** at:

Email: kara.longtin@ucr.edu

Immediately following the Bid Deadline, bids will be opened and posted on the University's website. Bids will be made available to be reviewed by bidders shortly after bids have been validated. Efforts will be made to accommodate and observe all typical procedures during COVID-19 restrictions.

Bid Security in the amount of 10% of the Lump Sum Base Bid shall accompany each Bid. The Surety issuing the Bid Bond shall be, on the Bid Deadline, an admitted surety insurer (as defined in California Code of Civil Procedure Section 995.120).

The successful Bidder and its subcontractors will be required to follow the nondiscrimination requirements

set forth in the Bidding and Contract Documents and to pay prevailing wage rates at the location of the Work.

Every effort will be made to ensure that all persons have equal access to contracts and other business opportunities with the University within the limits imposed by law or University policy. Each Bidder may be required to show evidence of its equal employment opportunity policy. The successful Bidder and its subcontractors will be required to follow the nondiscrimination requirements set forth in the Bidding Documents and to pay prevailing wage at the location of the work.

LICENSE REQUIREMENTS: The successful Bidder will be required to have the following State of California Contractor's License current at the time of submission of the Bid: **A- General Engineering**

The work described in the contract is a public work subject to section 1771 of the California Labor Code.

No contractor or subcontractor may be listed on a Bid for this project (submitted on or after March 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].

No contractor or subcontractor may be awarded any portion of this project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The successful Bidder shall pay all persons providing construction services and/or any labor on site, including any University location, no less than the UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) and shall comply with all applicable federal, state and local working condition requirements.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Advertisement Dates: May 7, 2020 – May 20, 2020

SPECIFICATIONS

INDEX TO SPECIFICATIONS

DIVISION 1 – GENERAL REQUIREMENTS

Section 01010 General Requirements
Section 01 25 00 Material/Product Substitution Request
Section 01 2613 Request For Information
Section 01 3329.08 Buy Clean California Reporting
Section 01 4300 Inspection Request
Section 01 4300 Non-Conforming Work Notice
Section 01 7700 Special Warranty

DIVISION 2 – SITE CONSTRUCTION

DIVISION 3 – CONCRETE

Revised Addendum 2 Section 03 30 00 Cast-in-Place Concrete

DIVISION 32 – EXTERIOR IMPROVEMENTS

Added Addendum 3 Section 32 16 10 Pulverize and Compact
Revised Addendum 3 Section 32 12 16 Asphalt Paving
Revised Addendum 2 Section 32 16 13 Asphalt Paving Curbs and Gutters
Revised Addendum 2 Section 32 17 23 Pavement Markings

SECTION 32 12 16

ASPHALT PAVING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. This section specifies preparation of the project site asphalt paving, including asphalt berm.

B. Related Requirements:

1. Section 01 23 00_ALTERNATES.
2. Section 01 74 19 CONSTRUCTION WASTE MANAGEMENT.
3. ~~Section 32 01 17.61 SEALING CRACKS IN ASPHALT PAVEMENT.~~
4. Section 32 16 13 CURBS AND GUTTERS.
5. Section 32 17 23 PAVEMENT MARKINGS.
6. Completely coordinate with work of other trades.

1.2 REFERENCES:

- A. Standard Specifications for Public Works Construction (SSPWC), ~~2015~~ **2018** edition, and supplements for rock materials. The Standard Specifications apply only to performance and materials and how they are to be incorporated into the Work. The legal/contractual relationship, measurement and payment sections of the SSPWC do not apply to this document.
- B. California Department of Transportation Maintenance Technical Advisory Guide (MTAG) Volume I - Flexible Pavement Preservation, Second Edition.

1.3 SUBMITTALS

- A. Product data for materials and products.
- B. Mix Design.
- C. Aggregate Test Report.
- D. Compaction Test Report.

1.4 QUALITY ASSURANCE

- A. Where a particular type of material or method is specified, no other type of material or method will be permitted, except as described in Section 00 26 00, but balance of Specifications shall apply.
- B. Field inspection and testing will be performed under provisions of Section 01 45 23.

1.5 SUSTAINABLE DESIGN REQUIREMENTS

A. Local/Regional Materials:

Use materials or products extracted, harvested, or recovered, as well as manufactured, within a 500 mile radius from the project site, if available. Submit documentation indicating distance between manufacturing facility and the project site. Indicate distance of raw material origin from the project site.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Materials shall conform to relevant provisions of Section 203 - Bituminous Materials of the SSPWC.

~~B. Cement Stabilized Pulverized Base (CSPB) materials shall conform to Section 301-3.4 .2 of the SSPWC.~~

C. Asphalt Concrete Pavement shall be a class and grade B-PG 70-10.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify compacted subgrade is dry and ready to support paving and imposed loads.

B. Verify surface is clean, dry, and within acceptable temperature range.

3.2 ASPHALT CONCRETE PAVEMENT

A. Perform all placement of asphalt concrete pavement as defined in Section 302-5 of the SSPWC.

B. Place paving course at least 12 hours after application of primer.

C. Place paving course to compacted thickness shown.

D. Compact pavement by rolling. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.

E. Roll with consecutive passes to achieve even and smooth finish, without roller marks. Avoid excessive rolling.

3.3 ASPHALT CONCRETE BERM

A. Apply tack coat to areas receiving asphalt berm.

B. Install extruded asphalt concrete (rolled bituminous) berm to profile shown.

~~3.4—CHIP SEAL~~

~~A. Repair per Section 32-01-17.61 SEALING CRACKS IN ASPHALT PAVEMENT.~~

~~B. Perform placement of chip seal as defined in Section 302-2 of the SSPWC.~~

~~C. Use a medium type chip seal.~~

~~D. Do not permit traffic until chip seal is fully cured.~~

~~3.5—SLURRY SEAL~~

~~A. Repair per Section 32-01-17.61 SEALING CRACKS IN ASPHALT PAVEMENT.~~

~~B. Remove dirt and organic matter from existing pavement areas to be slurry sealed. Scrape and treat oil stains, pavement markings, and other blemishes to ensure no bleed through.~~

~~C. Apply slurry seal per Section 302-4 of the SSPWC.~~

~~D. Do not permit traffic until slurry seal is fully cured.~~

~~3.6—CEMENT STABILIZED PULVERIZED BASE~~

~~A. Construct cement stabilized pulverized base (CSPB) per Section 301-3.4 of the SSPWC.~~

3.7 TOLERANCES

- A. Flatness: Maximum variation of 1/8 inch measured with 10 foot straight edge.
- B. Compacted Scheduled Thickness: Within 1/4 inch of design thickness.
- C. Variation from True Line and/or Elevation: Within 1/8 inch measured with a 10 foot straight edge.

END OF SECTION

SECTION 32 12 16.10 PULVERIZE AND COMPACT

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. This section specifies preparation of the project site pulverization and compaction.

B. Related Requirements:

1. Section 01010 ALTERNATES.
2. Section 01010 WASTE MANAGEMENT.
3. Section 32 16 13 CURBS AND GUTTERS.
4. Section 32 17 23 PAVEMENT MARKINGS.
5. Completely coordinate with work of other trades.

1.2 REFERENCES:

- A. Standard Specifications for Public Works Construction (SSPWC), 2018 edition, and supplements for rock materials. The Standard Specifications apply only to performance and materials and how they are to be incorporated into the Work. The legal/contractual relationship, measurement and payment sections of the SSPWC do not apply to this document.

1.3 SUBMITTALS

- A. Pulverized material sieve analysis.
B. Compaction test report.

1.4 QUALITY ASSURANCE

- A. Where a particular type of material or method is specified, no other type of material or method will be permitted, except as described in Section 00 26 00, but balance of Specifications shall apply.
B. Field inspection and testing will be performed under provisions of Section 01 45 23.

1.5 SUSTAINABLE DESIGN REQUIREMENTS

A. Local/Regional Materials:

Use materials or products extracted, harvested, or recovered, as well as manufactured, within a 500 mile radius from the project site, if available. Submit documentation indicating distance between manufacturing facility and the project site. Indicate distance of raw material origin from the project site.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Pulverized Material – Pulverized material shall consist of existing asphalt, base course (if any), and subgrade soil pulverized and mixed by a reclaimer conforming to Paragraph 3.2 in this Section.

1. The resultant pulverized material shall conform to the following requirements when tested in accordance with ASTM C136:
 - a. 100 percent shall pass the 3-inch sieve.
 - b. 95-100 percent shall pass the 2-inch sieve.
 - c. Not less than 90 percent shall pass the 1-1/2-inch sieve.
 - d. 35-60 percent shall pass the No. 4 sieve.
 - e. The material shall be uniformly graded.

B. Water shall conform to SSPWC 201-1.2.3.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify compacted subgrade is dry and ready to support paving and imposed loads.
- B. Verify surface is clean, dry, and within acceptable temperature range.

3.2 EQUIPMENT

- A. Reclaimer – Pulverizing shall be performed only by utilization and operation of a reclaimer specifically designed and constructed for, and capable of, pulverizing the in-place materials to a depth of 6 inches. The reclaimer shall be equipped with a controllable water additive and distribution system capable of attaching to and being fed from a water truck, and regulating and uniformly introducing and mixing water into the mixture as necessary for dust control and compaction.
- B. Rollers – Rollers shall be pad foot, segmented wheel, pneumatic tired, or steel drum and of sufficient weight to compact the full depth of the pulverized material.

3.3 PULVERIZING

- A. The existing asphalt, base course (if any), and subgrade soil shall be pulverized to a depth of 6 inches.

3.4 INITIAL GRADING

- A. Following the completion of pulverizing, the pulverized material shall be graded to conform to the line and grade of the existing roadway surface.

3.5 FINAL GRADING AND COMPACTION

- A. Final grading and compaction shall be performed in such a manner as to produce a smooth, dense surface, free of compaction planes, cracks, ridges or loose materials.
- B. The pulverized material shall be compacted to not less than 92 percent of the maximum wet density determined in accordance with ASTM D1557. In-place density shall be determined in accordance with ASTM D6938.
- C. Unless otherwise specified, the Contractor shall provide a minimum of 1 compaction test per 750 lineal feet of roadway.
- D. Final compaction shall be by performed by steel drum or pneumatic tired rollers.
- E. The final compacted surface shall conform to the line and grade of the existing roadway surface.

3.6 TOLERANCES

- A. Flatness: Maximum variation of 1/8 inch measured with 10 foot straight edge.

END OF SECTION