



***COLORADO DEPARTMENT OF TRANSPORTATION  
INVITATION FOR BID***

DATE: February 2, 2010

BID NUMBER HAA 10-093 SW

Return all bids to:

**ALL QUESTIONS REGARDING THIS BID MUST  
BE DIRECTED TO CDOT PURCHASING AGENT**

Colo. Dept. of Transportation  
Purchasing Office, Main Building  
606 South 9<sup>th</sup> Street  
Grand Junction, CO 81501

Purchasing Agent: Stephanie Woolley, CPPB  
Phone: 970-683-6390 Fax: 970-683-6393

***RESPONSE DELIVERY*** – Note: Vendors delivering bids in person must sign in at the CDOT Purchasing Office front desk prior to submitting bids to the Purchasing Office. Vendors, please arrive at least ten (10) minutes before the bid-opening deadline to allow time for the sign-in process.

**1. BRIEF DESCRIPTION OF GOOD OR SERVICE REQUEST** - Bids are requested for the purchase of Hot Mix Asphalt (HMA), per the included bid schedule and specifications.

***EXCEPTIONS TAKEN – NON-RESPONSIVE*** – Exceptions taken by any bidder may cause their bid to be considered non-responsive. The State will be sole judge of what constitutes an allowable exception, and then only if the basic requirements of the specification are essentially unaltered. By submitting a bid, vendor agrees that CDOT reserves the right to reject any alternate bids as non-responsive. This may also apply to any requests to amend the State's terms and conditions.

**SOLICITATION RESPONSE SUBMITTAL**

- 2. RESPONSE DEADLINE** – Responses to this solicitation **MUST** be received in the Purchasing Office no later than: **2:00 PM February 18, 2010**  
**LATE BIDS WILL NOT BE ACCEPTED.**
- 3. RESPONSE REQUIREMENTS** –
  - A. Invitation for Bid (IFB)** - Response must be submitted on this for in a sealed envelope, and signed by an individual with express authority to bind company. Fax bids will not be accepted.
  - B. All** – Responses to this solicitation require the return of the entire, completed form and shall be signed by an authorized agent of the firm.
- 4.** Read this Invitation for Bids (IFB) thoroughly before responding. Telegraphic or electronic bids (Fax, Western Union, Telex, etc.) cannot be accepted directly in CDOT's Purchasing Office as a sealed bid. Illegible responses may be rejected as non-responsive.

5. **Modifications/changes to solicitation – Any modifications or changes to this solicitation will be published on the State BIDS system. It is solely the responsibility of the bidder to monitor the BIDS system for any changes. Bidders are to acknowledge receipt of any addendum by returning a signed copy with the bid documents. Failure to acknowledge the addendum may result in your bid being non responsive.**
  - **NOTE: Deviation from these specifications during the bid process, or changes to the purchase order or contract resulting from this solicitation, will NOT be allowed unless previously authorized, in writing, ONLY by an addendum to the solicitation, or a modification to the purchase order or contract issued from the CDOT Purchasing Office.**
6. **RESPONSE ATTACHMENTS –**
  - A. Bidder is required to provide the following as an attachment to their submittal:
    - A separate pricing sheet for each plant location
    - Proof of vendors current Asphalt Cement Cost for the month of February. This will be used as a base line for future price increase requests. Failure to submit with the bid will result in no future price increases.

## **SCOPE OF WORK OR SPECIFICATIONS**

7. **SPECIFICATIONS – All road mix material must be in accordance with the CDOT Standard Specifications for Road and Bridge Construction, dated 2005 and the specifications below. Mix supplied may be price reduced according to Subsection 105.03.**

Mix must conform to section 401 and 403 and latest revisions.

<http://www.dot.state.co.us/DesignSupport/Construction/2005SpecsBook/2005index.htm>

Please use the following link to see updates to the sections

[http://www.dot.state.co.us/DesignSupport/Construction/2005SpecsBook/2005SSP/2005\\_SSP\\_Index.htm](http://www.dot.state.co.us/DesignSupport/Construction/2005SpecsBook/2005SSP/2005_SSP_Index.htm).

### REVISION OF SECTION 401 RECLAIMED ASPHALT PAVEMENT

Section 401 of the Standard Specifications is hereby revised for this project as follows:

Subsection 401.02(b) shall include the following:

Reclaimed Asphalt Pavement (RAP) is allowed in hot mix asphalt (HMA) up to a maximum of 25 percent for all lifts other than the top lift, provided all specifications for HMA are met. Fine Aggregate Angularity requirements shall apply only to the virgin fraction of the fine aggregate. The RAP shall not contain clay balls, vegetable matter, or other deleterious substances. Mixtures with more than 20 percent RAP shall not be used in the top lift of any asphalt pavement.

HMA Project Verification Testing for asphalt content and gradation will be performed at the frequencies listed in the Field Materials Manual in accordance with CP-L 5120.

The Contractor shall have an approved mix design for the amount of RAP to be used. The AC content of the RAP utilized in the Contractor RAP mix design shall be the average AC content determined in accordance with 1B or 1C, below, or alternatively, a minimum of five samples of the Contractors RAP stockpile may be sampled and the average AC content of the RAP be determined using AASHTO T-164, Method A or B, or in accordance with 1C below.

The use of RAP shall be controlled in accordance with subsections 105.05 and 106.05. If the Contractor elects to use RAP, the following additional conditions shall apply:

1. The Contractor shall have an approved Quality Control (QC) Plan that details how the RAP will be processed and controlled. The QC plan shall address the following:
  - A. RAP Processing Techniques. This requires a schematic diagram and narrative that explains the processing (crushing, screening, and rejecting) and stockpile operation for this specific project.
  - B. Control of RAP Asphalt Binder Content (AASHTO T-164, Method A or B). RAP Asphalt Binder Content may also be determined in accordance with CP-L 5120, provided an RAP AC content correction factor is determined through correlation testing with AASHTO T-164, Method A or B. The correction factor shall be determined by performing correlation testing on the first five samples of the RAP AC content, then at a frequency of one for every five AC content tests thereafter. The correction factor shall be determined by calculating the average difference in AC content between CP-L 5120 and AASHTO T-164, Method A or B, and applying the correction to the AC content determined in accordance with CP-L 5120 :  
Frequency: 1/1000 tons of processed RAP material (minimum five tests)
  - C. (Alternate) The Contractor may propose a RAP asphalt content correction factor to be used in conjunction with CP-L 5120. The proposed CP-L 5120 RAP asphalt content correction factor shall be used with all RAP asphalt contents tested for the mixture design and quality control sampling and testing. The methodology of the proposed CP-L 5120 RAP asphalt content correction factor shall be outlined in detail in the approved RAP QC Plan. At a minimum, the proposed CP-L 5120 correction factor shall identify the principal source locations of the RAP aggregate, gradation of the material tested, and specific ignition oven serial number used in all the RAP asphalt content testing. The RAP source locations, material gradation, and specific equipment used shall substantiate the CP-L 5120 asphalt content correction factor used for the testing. The substantiation must be from data gathered from historical information or specific asphalt content correction data obtained from tests performed on similar virgin aggregate sources, virgin material gradations, and the specific equipment used.

REVISION OF SECTION 401  
RECLAIMED ASPHALT PAVEMENT

- D. Control of RAP Gradation (CP31 or AASHTO T-30):  
Frequency: 1/1000 tons of processed RAP material (minimum three tests)
- E. Process Control Charts shall be maintained for binder content and each screen listed in subsection 401.02(b), during addition of any RAP material to the stockpile. The Contractor shall maintain separate control charts for each RAP stockpile. The control charts shall be displayed and shall be made available to the Engineer upon request

2. The processed RAP must be 100 percent passing the 31.5 mm (1¼ inch) sieve. The aggregate obtained from the processed RAP shall be 100 percent passing the 25.0 mm (1 inch) sieve. The aggregate and binder obtained from the processed RAP shall be uniform in all the measured parameters in accordance with the following:

**UNIFORMITY\***

Parameter	Standard Deviation
Binder Content	0.5
Percent Passing 19 mm (¾")	4.0
Percent Passing 12.5 mm (½")	4.0
Percent Passing 9.5 mm (⅜")	4.0
Percent Passing 4.75 mm (#4)	4.0
Percent Passing 2.36 mm (#8)	4.0
Percent Passing 600 µm (#30)	3.0
Percent Passing 75 µm (#200)	1.5
*Uniformity is the Maximum allowable Standard Deviation of test results of processed RAP.	

- 3. The Contractor shall supply a Performance Graded Binder which meets the AASHTO MP-1 specifications for one temperature grade lower for both the high and low end than that specified in the Contract if RAP content is greater than 20 percent. For example, if the Contract originally specified a PG 76-28, the Contractor shall supply a binder meeting the AASHTO MP-1 specifications for a PG 70-34.
- 4. If RAP millings generated are incorporated in the same project, in accordance with CPL 5145 the Contractor shall pave with a virgin mix design until sufficient amount of processed RAP has been stockpiled and tested to allow full production of a RAP HMA mix.

8. **ESTIMATED ANNUAL (OR OTHER) USAGE: 300,000 TONS STATEWIDE**

9. **SOLICITATION ATTACHMENTS** – None

## **DELIVERY REQUIREMENTS**

**DELIVERY LOCATION** – CDOT Maintenance Forces will pickup product(s) at Vendor Plant.

## **CONTRACTING PERIOD**

10. **AWARD PERIOD** – Award of this bid will result in the establishment of a CDOT price agreement/award, for the period of March 1, 2010 through December 31, 2010.

**PRICING CHANGES** – Beginning May 1, 2010 a price adjustment will be made only when the asphalt cement price increases by more than 10 percent from the asphalt cement price you are required to provide with this bid.

The vendor will be required to submit a written request of the price adjustment within the first three business days of the month. Any requests submitted after the first three days will not be approved until the next month. CDOT will issue a notice of approval listing the new price(s) with the effective dates. CDOT will issue a new purchase order if there is an approved price adjustment.

## **AWARD**

11. **BID/AWARD** - CDOT reserves the right to award bid in whole or in part and in the best interest of the State. Award of this solicitation may be supplemented from time to time by purchases from temporary, portable asphalt plants producing products for CDOT construction projects that meet the required specifications of this solicitation. When such purchases are in the best interest of CDOT, price and other factors may be considered.

12. **AWARD BASIS** – It is the intent of CDOT to have access to all available vendor plants. Therefore CDOT may make a purchase of the material(s) from any vendor plant on an as needed basis.

13. **AWARD DOCUMENT** – CDOT will award this solicitation and enter into an agreement with the winning bidders by executing the following document.

A. Purchase Order

## **PRICING & SIGNATURE PAGES**

Vendor's Plant: Vendors having more than one plant (under the same company name) and wish to include these plants in the bid process, must submit a separate price sheet for each of the plants.

**MAKE COPIES AS NEEDED OF THIS PRICING SHEET TO INDICATE EACH PLANT LOCATION BEING BID.**

PRICING SHEET  
Hot Mix Asphalt (HMA)  
BID HAA 10-093 SW

ITEM NO.	TYPE OF MATERIAL	PRICE PER TON
1	HMA, Grading _____ "S" _____	\$ _____
2	HMA, Grading _____ "SX" _____	\$ _____
3	HMA, Grading _____ "Fines" _____	\$ _____

STATE FORCES (CDOT) WILL PICK UP MATERIALS AT VENDOR'S PLANT

\_\_\_\_\_  
Name of plant if not same as company name

\_\_\_\_\_  
Location of plant

\_\_\_\_\_  
Address of Plant

\_\_\_\_\_  
Contact person at plant

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Fax Number

**14. SIGNATURE PAGE**

**Vendor must be a subscriber to the State of Colorado's BIDS system at the time of the bid opening for their bid to be considered.**

**CDOT reserves the right to reject any and all bids or parts thereof, and to waive informalities or irregularities. By submission of a bid, bidder agrees to the State of Colorado terms and conditions.**

Vendor Name \_\_\_\_\_ Signature \_\_\_\_\_

Vendor Address \_\_\_\_\_ Name (Print) \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Phone \_\_\_\_\_ FEIN/SSN \_\_\_\_\_

FAX \_\_\_\_\_

**By your signature, you are verifying that you have read and accepted this solicitation in its entirety, and are an expressly authorized to sign.**

**Results will not be given by phone or fax. For bid results, please consult the bids award section on the BIDS system.**

**Please allow one week after bid opening for posting of award notice.**