



**ADDENDUM NO. 1
Issued December 13, 2007**

TO

**“REQUEST FOR BIDS
FOR
MSW FLOOR REPAIRS AT THE
MID-CONNECTICUT WASTE PROCESSING FACILITY”
(Bid Number FY08-OP-005)
(RFB Issued November 26, 2007)**

Note: Bidders are required to acknowledge this and all Addenda in Section 5(a) of the Bid Form.

The date bids are due is unaffected by this Addendum. The date and time for bid submittal remains December 20, 2007 by 3:00 P.M.

This Addendum consists of the following components:

Section 1 – Pre-Bid Meeting Notes and Submitted Written Questions

Section 2 – Clarification/Additions to the Contract Documents – Drawings

Section 3 – Attachments

1. PRE-BID CONFERENCE NOTES AND SUBMITTED WRITTEN QUESTIONS

This part of the Addendum summarizes the discussion at the Pre-Bid Conference held at the Waste Processing Facility (WPF) on December 4, 2007. The clarifications requested at the meeting by the attendees provide further details or address items not specifically found in the Contract Documents.

The following questions were asked either during the Pre-Bid Conference or in writing subsequent to the meeting. A response is provided for each question.

	Question	At what time during the weekend will the floor be available to the contractor?
	Answer	MDC, the entity that operates the WPF under contract to CRRA, stops all floor activities on Saturday, at 3:00 P.M. The floor will be available to the contractor from 3:00 P.M. on Saturday until Sunday night. MDC will resume processing on Monday morning, starting at 6:00 A.M.
	Question	Can the bituminous overlay be installed only in one weekend?
	Answer	No. The contractor must plan on doing the overlaying phase of the project in two or three weekends. This is due to the fact that portions of the floor area of the facility will be occupied by unprocessed waste.
	Question	Who will be responsible for cleaning the floor prior to the installation of the bituminous overlay?
	Answer	MDC will be responsible for removing all of the unprocessed waste from the floor areas scheduled to be overlaid. The contractor will be responsible for preparing the floor to accommodate the overlay.
	Question	The MSW floor, due to the solid waste lying on top, must be considered contaminated. What method must be used for cleaning the floor to obtain a satisfactory binding between the existing floor, the tack coat, and the bituminous overlay? It was suggested to reduce the flexibility of the Class I Bituminous Concrete by revising the Performance Grade (PG) binder from the standard ConnDOT PG 64-28 to PG 64-26. This suggestion was offered to improve the resistance of the overlay to the very short curing time allowed before the floor is opened to truck and loader traffic.
	Answer	The floor, prior to the application of the tack coat, shall be cleaned of any remaining debris and/or waste and then milled to a 1/4" prior to the installation of the bituminous overlay. CRRA contacted a prominent local manufacturer of bituminous to investigate the possibility of reducing the flexibility of the bituminous overlay. The manufacturer

		will not change the Performance Grade (PG) established by the Director of Research and Materials (DRM) of the ConnDOT.
	Question	What is the tolerance expected for the finish of the concrete surface?
	Answer	The tolerance expected for the finished concrete floor is 1/2" for every 10' max.
	Question	Are the estimated quantities for concrete areas and for the bituminous overlay shown on the RFB correct estimates?
	Answer	The estimated quantities of 7,000 SF of concrete repairs and 43,000 SF of bituminous overlay are approximate. These quantities were provided to establish a uniform baseline upon which the bid of this project must be based.
	Question	What type of equipment can be utilized to demolish the existing concrete floor?
	Answer	No heavy excavators will be allowed to demolish the floor. Remove existing concrete by means of hand operated mechanical chipping or jack hammers.
	Question	When is the approximate start date for this project?
	Answer	It is anticipated that the start date for this project will be during March, 2008.
	Question	Is CRRA a tax exempt organization?
	Answer	CRRA is exempt from all State of Connecticut taxes and assessments. Contractor shall not include any State of Connecticut taxes or assessments in any rates, costs, prices or other charges in connection with this project.
	Question	Does the reinforcing in the damaged outlined areas need to be replaced and estimated in the preparation of the lump sum bid?
	Answer	Yes. The damaged exposed reinforcing steel bars must be replaced and therefore included in the preparation of the bid.
	Question	Is there an issue with dust caused by the demolition?
	Answer	Ambient air conditions in the WPF MSW maneuvering and storage halls are controlled by the CRRA's MCAPS (Mid Conn. Air Processing System) and 13 roof fans. The MSW storage space has continuous ambient air quality monitors that provide instantaneous feedback into

		<p>the control room MCAPS monitor. The space is monitored for CO, CO₂, temperature and humidity. All associated OSHA Permissible Exposure Levels (PEL) are met for this space using the combined air movement of the MCAPS and roof fans. However, it is CRRA's experience that, during major floor repair demolishing, heavy dusting can occur in localized areas in the MSW storage and maneuvering areas. Contractor should provide the construction crews with the proper protective equipment respirators to guard against this.</p> <p>It has also been CRRA's experience that, to help lift and move the dust out of the work space (note: all MCAPS pick-up trunks and roof fans are located on roof line), the contractor can use high volume/high velocity air movers down at the local work area which will push the dust up towards the roof line for quicker extraction into the MCAPS and roof fans.</p>
	Question	Can mechanical splices be used with the steel reinforcement?
	Answer	The detail shown on sheet S-401 indicates reinforcing steel splice. However contractor may submit mechanical splice as an alternative.
	Question	The Work is scheduled to be complete within 75 days: Calendar days or work days?
	Answer	The project must be complete within 75 working days.
	Question	Demo of existing concrete floor is specified to be done by hand. Is it your intent that weekends or multiple shifts be employed in order to meet the time deadline?
	Answer	It is the contractor's option. The area scheduled for repairs must be protected with the detailed Temporary Construction Barrier. This will allow the contractor to do the floor repairs without being impacted by the daily operation. The Contractor, prior to the beginning of the construction activity, is required to submit a sequence of construction to be approved, and coordinated with CRRA and the Operator (MDC).
	Question	Do we include obtaining & paying for a City building permit? Or is CRRA exempt?
	Answer	All the permit fees are the contractor's responsibility. CRRA is not exempt from obtaining City building permits.
	Question	Are there any working restrictions for working within the area (wetting down, cutting, welding, open flame, etc.)?
	Answer	Wetting down the floor during the demolition of the concrete and cut-

		ting are allowed activities. Welding and open flames are allowed upon receiving permission from MDC. Power wash is not allowed.
	Question	On drawings S-301 and S-401, reference is made to detail 5/S-401 which does not exist. Please provide the information regarding Shear Pin installation.
	Answer	Section 5/S-401 detailing the installation of the Shear Pin is shown on Sketch No. SKS-1 included with this Addendum.
	Question	Plans and specifications refer to cleaning all demo debris from removed concrete areas and applying bonding agent. How do we treat the airborne debris generated by WPF operations?
	Answer	In previous floor repair operations, this has not been an issue The bonding agent will be applied on the portion of concrete upon which the new concrete must be installed. This area will be protected from any debris generated by the operation by installing protection barriers.
	Question	It was expressed that the intention of the final paving was to leave a flat, level surface. The area adjacent to the first phases is 6"+/- higher than much of the floor (at elevation 23.6') that will not be repaired. Is the contractor to assume that he will have to shim the entire floor to elevation 23.6' then add the 2" overlay?
	Answer	No. The contractor is not required to shim the entire floor to elevation 23.6'. No existing concrete floor shall be demolished to accommodate the overlay. However the contractor is expected to fill small depressions to provide smooth flat surface. The intent of the overlay is to provide a sacrificial layer to protect the concrete floor.
	Question	In the concrete floor repair areas, the existing concrete has been worn away by heavy equipment blades and is not at all deteriorated, therefore keeping its original design strength. Is the existing concrete the same 8,000 psi concrete that the specifications call for, or has any testing been performed to determine the actual strength of the floor?
	Answer	The contractor may assume that the underlying concrete has 8,000 PSI strength.

	Question	If the top floor of the existing floor is milled to provide a clean surface to pave on, will the milled material be considered controlled, and can the material be disposed of at a CRRA facility locally?
	Answer	Yes. The milled material may be disposed of at a CRRA facility. The contractor shall be responsible for loading the milled material into roll off boxes designated by CRRA. Then CRRA will be responsible for hauling the roll off boxes to the final destination of disposal.
	Question	What are the hours of operation of the facility and are these hours available to the contractor to work?
	Answer	The hours of operation at the tipping floor of the Waste Processing Facility are: <p style="text-align: center;">Monday through Friday 5:00 AM to 5:00 PM Saturday 5:00 AM to 2:00 PM</p> Waste material is processed every night until Midnight except Sunday. Maintenance is done every night between Midnight and 5:00 AM. Yes, the contractor may work during the hours of operation of the facility as long he confines the construction activities within the staged area.
	Question	Drawing S-003 shows different staging than that shown on S-101 and S-102. Which one is correct?
	Answer	The intent of sheet S-003 is to show the area of the concrete floor to be repaired. Sheets S-101 and S-102 show the demolition stages. The demolition and repair of this area will be done in conformance with the staging shown on sheets S-101 and S-102.
	Question	On Sheet S-401, the Typical Construction Joint Details show “Thread Splicer with Thread Dowels” to match slab reinforcement shown on S-301. Are these splicers intended to connect the top reinforcing mat through the Construction Joint? If so, should the quantity and size of the reinforcing be the same on both sides of the joint?
	Answer	Yes; these splicers are intended to connect the top reinforcing mat through the Construction Joint. Yes; the quantity and size of the reinforcing will be the same on both sides of the joint.
	Question	Will there be a location available for the contractor to stockpile demolition debris before its final disposal? This includes the milled material.
	Answer	Yes, on a temporary basis, the contractor can stockpile demolished material and all debris, “ except the milled material ”, at the southeast cor-

		ner of the MSW tipping floor. The contractor MUST utilize roll off boxes that, once filled, will be hauled to the final destination of disposal in conformance with all existing applicable laws and regulations.
	Question	What is the size and gage of the WWF for the new slab work? Confirm if it is epoxy mesh.
	Answer	The size and gage of the WWF is: 6X6–W2.9X2.9. The wire mesh is epoxy coated.

2. CLARIFICATIONS/ADDITIONS TO THE CONTRACT DOCUMENTS - DRAWINGS

2.1 SHEET S-003 - MSW Floor Repair Plan

Revise the dimensions identifying the limits of the 1” Thick Bituminous Concrete to match the cross section 3/S-402, as follows: **Change 9’-0” to 8’-0”+/-; Change 5’-0” to 7’-6”; Change 10’-3” to 7’-7”**

2.2 SECTION 02500 – BITUMINOUS CONCRETE PAVEMENT

Add the following to Section 02500, “Bituminous Concrete Pavement,” Part 3, “Execution,” Subsection 3.1, “Constructions:”

- B. Milling of the Concrete Surface shall be required prior to placement of Bituminous Concrete Pavement. The Concrete surface shall be milled to a ¼” depth. The Contractor shall sweep and clean up any and all debris from the milling operation. The Sweeper should be equipped with a water tank and spray assembly to help control dust.

3. ATTACHMENTS

Incorporate into the Contract Documents the following attachments:

- (a) Section 5 of the Request For Bids, “Bid Price Form (Revised)”
- (b) Sketch No. SKS-1, Section 5/S-401 (Date 12/03/07)
- (c) Sketch No. SKS-02, 8/SKS-2. “Full Depth Concrete Repair Detail (Date 12/05/07)
- (d) Pre-Bid Conference attendance sign-in sheet.

END OF ADDENDUM