



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

January 9, 2014

CALL NO. 300
CONTRACT ID NO. 142073
ADDENDUM # 1

Subject: Russell County, CPTL 104 556K
Letting January 24, 2014

(1) Revised - Notes - Pages 12-16 of 50

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Acting Director
Division of Construction Procurement

RG:ks
Enclosures



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**Commonwealth of Kentucky
Transportation Cabinet
Department of Highways**

CONSTRUCT BULK SALT STORAGE STRUCTURE

**Kentucky Department of Highways
District Eight
867 Voils Road
Russell Springs, Russell County, Kentucky 42642**

ABBREVIATIONS

KYTC Specs = Kentucky Transportation Cabinet - Department of Highways Standard Specifications for Road and Bridge Construction, current edition.

PMCS = Pre-Engineered Department = Department of Highways

Membrane Covered (Roof) Structure

State Forces = Employees of the Kentucky Department of Highways

KYDOH = Kentucky Department of Highways

PROJECT DESCRIPTION

This project is for the construction of a 120'-3" long X 80' wide X 10' high reinforced concrete building for the storage of bulk roadway deicing salt. Shallow, reinforced concrete spread footings will be constructed partly in an existing asphalt paved area and partly in soil outside the paved area. Walls will be 10' high, 12" thick and will be constructed on the footing and will support a pre-engineered, membrane covered (roof) structure (PMCS). The roof structure is to be furnished and installed by Bulk Storage, Inc., per their Master Agreement upon completion of the footing and walls. See Scope of Work for additional information. See Cover Sheet of the Construction Plans for the approximate material quantities on this project.

SPECIFICATIONS

All foundation and wall construction on this project shall be in accordance with the Kentucky Transportation Cabinet-Department of Highways Standard Specifications for Road and Bridge Construction, current edition (KYTC Specs) unless noted otherwise herein or on the attached plans. These specifications are available on-line at the Kentucky Transportation Website:

<http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications>

Copies may also be purchased at the Transportation Cabinet Office of Personnel Management, Policy Support Branch, 200 Mero Street, 6th Floor, Frankfort, KY 40622 (502) 564-4610.

The PMCS shall be constructed, by others, in accordance with the plans and specifications contained or referenced in the Master Agreement.

KYDOH will inspect all work during construction. If any portion of the materials or installation does not meet the required specifications, the Contractor shall immediately remove and/or replace the materials at his expense. The Contractor shall be responsible for all damages incurred to the building and/or property until Final Completion. All work is to be done in strict conformance with all state and local codes and regulations.

SCOPE OF WORK – (See Attached Construction Plans)

1. This project consists of constructing a 120'-3" long, 80'-0" wide building with 10' high walls. The footing and walls will be reinforced concrete. All walls will be 12 inches thick. Concrete Class 'A'- Fiber Reinforced and epoxy coated reinforcement steel is used throughout.
2. The new salt structure will be constructed partially in an existing asphalt paved area and partly in a soil. It should be noted that the pad slopes slightly, therefore, the excavation for the footing will vary slightly in depth. KYDOH will furnish crushed stone for this project.

The Contractor shall prepare the footing base by excavating to the required depth and then line the area with Geotextile Fabric Type 3. Perforated pipe drains shall also be installed under the footing. Crushed stone #3 shall be placed on the geotextile fabric. The concrete footing will be constructed monolithically on the prepared stone base and backfilled as shown on plans. All costs associated with these activities shall be included in bid item for Site Preparation.

KYDOH will provide the following materials on this project:

- Type 3 and Type 4 Geotextile Fabric
- 4" Perforated Drain Pipe
- # 57 Crushed Stone, #3 Crushed Stone, and Dense Graded Aggregate Base.

3. The Contractor is responsible for all grading and paving inside the structure as well as the asphalt apron at the exterior of the doorway as shown on the plans. Asphalt material will be required to level and wedge the existing asphalt paved area in preparation for the base and surface courses. The Contractor shall provide all bituminous paving materials and shall construct pavement in accordance with KYTC Specs to elevations shown in plans.

Except for the paved apron at the doorway, State Forces will backfill the exposed footing, as well as final grading on the exterior of the structure.

4. A pre-engineered membrane covered (roof) structure (PMCS) will be utilized on this project. This roof structure has been designed specifically for this structure and is to be furnished and installed by Bulk Storage, Inc. per their Master Agreement 785 1100000604 2. The contact person for Bulk Storage is Ted Deery, 28101 South Yates Avenue, Beecher, IL. 60401; (708) 946-9595. Bulk Storage, Inc. will construct the roof structure upon completion of the footing and walls.

The Contractor shall verify all critical dimensions in the plans with Bulk Storage, Inc., prior to placement of concrete, to ensure the PMCS will fit correctly.

5. The Contractor shall adhere strictly to the KYTC Specs regarding concrete cure time requirements for footing constructing prior to constructing the walls. Additionally, adequate concrete cure time must be allowed for the walls, prior to erecting the PMCS (see KYTC Specs.).
6. The Contractor is responsible for all construction staking including locating the proposed structure from the Control Points and elevating the structure from the established Benchmark, all of which are shown in the plans. It is imperative that the structure be square, plumb, and level.

Contrary to the KYTC Specs, construction staking by a licensed Land Surveyor is not required on this project.

7. Concrete, Class 'A'-Fiber Reinforced and epoxy coated steel reinforcement is to be used throughout. $\frac{3}{4}$ " monofilament polypropylene fibers, Durafiber or equivalent equal, will be added to the concrete at a rate of 1-1/2 pounds per cubic yard.

Sampling and testing of the concrete and steel will be performed by KYDOH. The Contractor can arrange for sampling and testing by contacting Project Engineer for the KYDOH at least three business days prior to placing any concrete.

8. The Contractor for the PMCS roof structure, Bulk Storage, Inc. has asked to be notified at least five days prior to placing concrete in the walls. Bulk Storage, Inc may inspect the wall forms to ensure that they are plumb, level, square and the correct dimensions for the PMCS. The contractor shall contact Ted Deary at (708) 946-9595.
9. Due to the reinforcement steel layout, the use of a concrete tremie may not be possible; therefore requirements for the use of a tremie on this project are hereby waived.
10. A staging area for the Contractor will be designated by KYDOH and will be discussed further at the mandatory pre-bid meeting.
11. The Contractor shall exercise care not to pollute the ground or water and shall clean the area of waste each day. All waste and debris shall be disposed of properly.

12. KYDOH will install the culvert pipe under the proposed paved apron area as well as final grading on the exterior of the structure.

VISIT TO THE SITE

Contractors shall visit the site and thoroughly familiarize themselves with all existing conditions likely to be encountered in the work area before submitting a bid. A mandatory Pre-Bid meeting with all interested Contractors will be held on the site. A Pre-Construction meeting will also be held with the successful bidder.

TIME OF COMPLETION AND LIQUIDATED DAMAGES

See Special Notes for Completion Date and Liquidated Damages. Following Substantial Completion, the contractor shall have Fifteen (15) calendar days to complete all remaining work, including the work on the punch list. If, in the Department's judgment the Contractor has not successfully completed all work items described in the Substantial Completion Punch List within the allotted 15 day period, Liquidated Damages, in accordance with KYTC Specifications, will be assessed.

CONTACT INFORMATION
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