



STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
16 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0016

Paul R. LePage  
GOVERNOR

David Bernhardt  
COMMISSIONER

May 17, 2011  
Subject: **Mount Desert**  
State PIN: 016718.00  
**Amendment No. 3**

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 89 and 90), **REMOVE** the "SPECIAL PROVISION, SECTION 525, GRANITE MASONRY, (Dry-Laid Stone Masonry Wall)," 2 pages dated April 15, 2011 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 525, GRANITE MASONRY, (Dry-Laid Stone Masonry Wall)," 3 pages dated May 16, 2011.

In the Bid Book (page 91), **REMOVE** the "SPECIAL PROVISION, SECTION 525, GRANITE MASONRY, (Granite Masonry Facing)," 1 page dated April 15, 2011 and **REPLACE** with the attached new "SPECIAL PROVISION, SECTION 525, GRANITE MASONRY, (Granite Masonry Facing)," 1 page dated May 16, 2011.

The following question has been received:

**Question:** Bid amendment #2 allows pink granite for heavy and plain riprap, but does not change the requirement of Jonesboro Red for the granite masonry items. Can pink granite be utilized for the granite masonry items §25 as well?

**Response:** Please refer to the attached updated Special Provisions, Granite Masonry, Dry-Laid Stone Masonry Wall and Granite Masonry Facing.

Consider these changes and information prior to submitting your bid on May 18, 2011.

Sincerely,

FOR

Scott Bickford  
Contracts & Specifications Engineer



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**SPECIAL PROVISION**  
**SECTION 525**  
**GRANITE MASONRY**  
(Dry-Laid Stone Masonry Wall)

Description This work shall consist of supplying material for and constructing a Dry-Laid Stone Masonry Wall in accordance with these Specifications and in reasonably close conformity with the lines, grades, and dimensions shown on the Plans or as directed by the Resident.

The Dry-Laid Stone Masonry Wall consists of the following components:

- Leveling pad - a 12 inch thick bed of crushed stone used to provide a level surface to place wall stones.
- Wall stones - Stones shall be granite blocks that are dense, sound, durable, and free from seams, cracks, starts and other structural defects. Granite shall be either of the following:
  1. Jonesboro Red granite per the National Building Granite Quarries Association color classification.
  2. Pink granite per the National Building Granite Quarries Association color classification from Mount Desert Island.

All granite stones shall have a split face finish with exposed surfaces free from tool marks. All stones shall be so finished that no holes or portions of holes shall show on surfaces that will be exposed in the finished work. Stone dimensions shall be a minimum of 12 inches tall by 12 inches deep by 4 feet long.

- Filter Fabric - drainage geotextile meeting the requirements of Section 722.
- Backfill - soil is placed behind the wall and leveling pad (below aggregate subbase course)

Terminology:

- Split faced - stone on which the face has been broken to an approximate plane.
- Seam - a crack or fissure in a rough quarry block.
- Start - the beginning of a crack, caused by quarrying, fabrication or handling.

Construction Requirements The top of the leveling pad shall be placed so that the embedment depth of the wall is adequate to maintain stability. The minimum embedment depth to the top of the pad shall be 9 inches.

The Dry-Laid Stone Masonry Wall shall be built by a skilled mason thoroughly experienced in this type of wall construction.

1. The foundation shall have sufficient strength to maintain global stability of the wall. The in-situ soils may be used at the direction of the Resident.
2. The leveling pad shall be placed to the lines and grades as shown on the construction drawings, and shall have a minimum thickness of 12 inches. The leveling pad shall extend at least 3 in beyond the wall stones in all directions. Steps in the leveling pad shall have a minimum overlap of 8 in.
3. The backfill used behind the wall shall meet the requirements of Granular Borrow, Section 703.19 - Material for Embankment Construction. Backfill shall be placed, spread, and compacted from the back of the stone wall toward the limits of the excavation. Backfill shall be placed in lifts not to exceed 8 in and compacted with lightweight, hand operated compaction equipment. Backfill beyond 3 ft from the back of the stone wall shall be compacted to 95% of the maximum density as determined by AASHTO T-180, Method C or D. The moisture content of the backfill material prior to and during compaction shall be uniformly distributed throughout each layer and shall be within 2 percentage points dry of optimum.
4. The filter fabric shall be a geotextile meeting the requirements of Section 722.02, Drainage Geotextile. It shall be placed between the stone wall/leveling pad and the backfill.
5. The wall stones shall be placed in running bond with adequate chinking to resist frost action.
6. Joints shall be level and horizontal; only short vertical joints will be allowed and no more than two vertical joints may be stacked above each other. Stones shall be stacked in a manner such that diagonal joints are kept to a minimum. Joint size in the face of the wall should be kept to a minimum and should not exceed 1.5 in.

Method of Measurement Dry-Laid Stone Masonry Wall will be measured by the square foot of front surface not to exceed the measurements shown on the plans or as authorized by the Resident. Vertical dimension limits will be from the top of the leveling pad to the top of the wall. Horizontal dimension limits will be from each end of the wall.

Basis of Payment The accepted quantity of Dry-Laid Stone Masonry Wall will be paid for at the contract unit price per square foot, complete, cleaned of debris and accepted in place. The unit price shall be full compensation for excavation, leveling pad, filter fabric, backfill, and grading beyond the face of the wall and furnishing all materials, labor, equipment, and other incidentals necessary to complete the work.

Payment will be made under:

Mount Desert  
Stanley Brook Bridge  
PIN 016718.00  
May 16, 2011

Pay Item

Pay Unit

525.325 Dry-Laid Stone Masonry Wall

Square foot

**SPECIAL PROVISION**  
**SECTION 525**  
**GRANITE MASONRY**  
**(Granite Masonry Facing)**

Description This work shall consist of furnishing and placing granite facing in accordance with these Specifications and as shown on the Plans. Unless otherwise modified herein and on the Plans, requirements of Standard Specification Section 525 shall apply.

Materials Granite shall be either of the following:

- 1.) Jonesboro Red granite per the National Building Granite Quarries Association color classification.
- 2.) Pink granite per the National Building Granite Quarries Association color classification from Mount Desert Island.

All granite stones shall have a split face finish.

Stone heights shall be a minimum of 8 inches. A minimum of three courses, including the capstone, shall be placed.

Method of Measurement Granite Masonry Facing will be measured for payment by the number of square feet of exposed granite masonry, including joints, in the completed work and measured from the pitch lines as shown on the Plans.

Basis of Payment Granite Masonry Facing will be paid for at the Contract unit price per square foot complete in place and accepted. This price shall include all materials, labor and incidentals necessary to complete the work. The cost of the anchors and dowels for the masonry shall be included in the Contract unit price of this item.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
525.34 Granite Masonry Facing	Square foot