



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

JOHN ELIAS BALDACCIO  
GOVERNOR

DAVID A. COLE  
COMMISSIONER

May 25, 2007  
Subject: **Bethel-Gilead**  
Project No. NH-9184(400)E  
Pin No. 9184.40  
**Amendment No. 2**

Dear Sir/Ms:

The following question has been received.

**Question:** In regards to Item 610.21 River Stones-Riffles, what size stones will be required on the project?

**Response:** The recommended mix of stones should be as follows:

- D90: 13.5 inches (90% of the stone is 13.5 inches in diameter or less)
- D84: 12.0 inches (84% of the stone is 12.0 inches in diameter or less)
- D50: 8.0 inches (50% of the stone is 8.0 inches in diameter or less)
- D35: 6.5 inches (35% of the stone is 6.5 inches in diameter or less)

An additional 15% (approx) of the volume is to be made up with Pit Run (a mix of gravels and sands) to fill the voids of the stone mix to limit the amount of through flow in the riffle feature. This may be increased or decreased as part of the "field fit" process.

All stones shown above are expected to be rounded to sub-rounded in nature.

The maximum size of the cobbles/boulders being proposed is approximately 14 to 15 inches. These stones are generally used as keystones, which assist in anchoring the riffle feature in place. The bulk of the stone in the mix ranges from 8 to 12 inches in diameter.

Consider this information prior to submitting your bid on May 30, 2007.

Sincerely,

Scott Bickford  
Contracts & Specifications Engineer



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