



Paul R. LePage
GOVERNOR

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

David Bernhardt
COMMISSIONER

March 21, 2016
Subject: Full Depth Pavement,
Milling/Overlay, Drainage & Safety
Improvements
State WIN: 018289.00 & 022574.00
Location: **Sebec, Milo, Dover &
Foxcroft**
Amendment No. 1

Dear Sir/Ms:

Make the following change to the Bid Documents:

INSERT attached "SPECIAL PROVISION, SECTION 609 – CURB, STRUCTURAL CONCRETE (Slipform Concrete Curb)", 2 pages, dated 2/22/2016 after page 94.

The following question has been received:

Question: Would slipform curb be an acceptable alternative to Curb type 3?

Response: Concrete slipform curb will be considered an acceptable alternative to type 3 bituminous curb for runs that are being replaced in their entirety only. Any sections of curb that are partial replacements shall be bituminous. The Concrete slipform curb shall meet the requirements of the attached Special Provision Section 609 Curb, Structural Concrete (Slipform Concrete Curb dated 2/22/2016 and will be paid under Item #609.31 Type 3 Curb.

Consider this change and information prior to submitting your bid on **March 30, 2016**.

Sincerely,

George M. A. Macdougall P.E.
Contracts & Specifications Engineer



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SPECIAL PROVISION
SECTION 609 – CURB
STRUCTURAL CONCRETE
(Slipform Concrete Curb)

609.01-Description

This work shall consist of furnishing and placing Slipform Concrete Curb as a replacement or substitute for bituminous curb in close conformity with the plans, or as authorized by the Resident.

609.02 Materials

Except as provided below, the materials used shall meet the requirements specified in Section 700 – Materials:

Portland Cement and Portland Pozzolan Cement	701.01
Water	701.02
Fine Aggregate for Concrete	703.01
Coarse Aggregate for Concrete	703.02

The aggregate shall conform to the requirements of Subsections 703.01 and 703.02, with the exception that the aggregate gradation of the Portland Cement Concrete may be sized, graded, and combined in a composite blend that will produce a stable durable curb with an acceptable texture.

A mix design for the Portland Cement Concrete shall be submitted to the Resident, with a minimum designed compressive strength of 4000 psi for the concrete used for the Slipform curb.

609.03-General

a. Preparation of Base

Before placing the curb, the foundation course shall be thoroughly cleaned of all foreign and objectionable material. The Contractor shall not place Slipform Concrete Curb on a wet or frozen base. String or chalk lines shall be positioned on the prepared base to provide guide lines. For HMA or PCC base the foundation shall be uniformly painted with an epoxy resin adhesive that meets AASHTO 235, Type II

b. Placing:

Concrete shall be placed with an approved Slipform machine that will produce a finished product according to the design specified in the plans, and will meet the same standards set for cast-in-place curb. For cold weather Slipforming, the outside temperature must be at least 36°F (2.2°C) and rising. The curb shall be placed on a firm, uniform bearing surface, shall conform to the section profile specified in the plans, and shall match the appropriate grade. Expansion joints will be provided at ends of curve radii, or wherever the curb meets rigid structures such as building foundations or fire hydrants. Contraction joints will be placed at 10 foot (3 m) intervals using sawing methods, which shall cut 1-3" into the concrete. Joints shall be constructed perpendicular to the subgrade and match other joints in roadways, sidewalks or other structures when applicable.

c. Curing and Sealing

Proper curing shall be insured through the use of either a combination curing/sealing compound spray that meets ASTM 1315 Type 1-Class A, or a curing compound spray that meets ASTM 309 type 1-D – Class A. Curing may also be accomplished by the methods specified in Section 502.15 of the Specifications.

If a combination curing/sealing compound spray is not used, a separate sealing compound from the MDOT Approved Products List for a Type 2 sealer shall be applied after the concrete has cured.

d. Protection:

Slipform curb must be adequately protected after placement. The concrete shall be allowed to cure for at least 72 hours. During cold weather conditions, when temperatures drop below the required temperature of 36°F (2.2°C) after placement, curbing shall be protected by concrete blankets or a combination of plastic sheeting and straw. After any placement of Slipform curb, regardless of weather conditions, the placed curb shall be adequately protected by traffic control devices as necessary.

e. Marking

When required, the curb shall be painted and coated with glass beads in accordance with Section 627 - Pavement Marking. Curb designated to be painted shall not be sealed unless a combination curing/sealing compound is used.

f. Acceptance

Curb shall be accepted or rejected based on appearance concerning texture, alignment, or both. All damaged curb shall be removed and replaced at the Contractor's expense.

609.04-Method of Measurement

Concrete Slipform curb will be measured by the linear foot along the front face of the curb at the elevation of the finished pavement, complete in place and accepted.

609.05 Basis of Payment

The accepted quantities of curb will be paid for at the contract unit price per linear foot as specified.

There will be no separate payment for concrete, sealing, incidental materials, or labor needed to install the curb, but these will be considered included in the work of the related curb.

Removal of existing curb and necessary excavation for installing curb will not be paid for directly, but shall be considered to be included in the curb pay item. Base and Subbase material will be paid for under Section 304 - Aggregate Base and Subbase Course. Backing up machine laid curb is incidental to the curb items. Loam, as directed, will be paid under 615 – Loam.

Section 609.06-Basis of Payment

Pay Item	Pay Unit
609.19 Vertical Curb - Type 2 – Slipform Concrete	Linear Foot
609.16 Concrete Slipform Curb – Sloped	Linear Foot