



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

June 5, 2023
Subject: Curb and Rail Replacement
State WIN: 026572.00
Location: **North Haven**
Amendment No. 1

Dear Sir/Ms:

The Bid Opening date for this contract has been changed to **June 14, 2023**. Any Bidders that have previously submitted Bids may choose **to** revise or **not to** revise their Bids. If the Bidder chooses to revise their Bid, they must resubmit a complete Bid Package which shall include a Bid and all other documents required in the Bid Documents. If requested, bids will be returned to bidders otherwise they will be thrown away if bidders resubmit a new bid. The Bid Package with the latest (newest) date shall replace all previously submitted packages.

Please make the following changes to the Bid Documents:

In the Bid Book:

CHANGE on page 11, in the “**NOTICE TO CONTRACTORS**”, the bid opening date in the first paragraph from “June 7, 2023” to read “**June 14, 2023**”. Make this change in pen and ink.

INSERT, “**SPECIAL PROVISION, SECTION 502, STRUCTURAL CONCRETE, (Hydration Stabilizing Admixture)**”, 1 page, dated June 5, 2023.

INSERT, “**SPECIAL PROVISION, SECTION 502, STRUCTURAL CONCRETE, (QC/QC Acceptance Methods)**”, 1 page, dated June 5, 2023.

INSERT, “**SPECIAL PROVISION, SECTION 703, AGGREGATES, (Combined Aggregate Grading for Concrete)**”, 1 page, dated June 5, 2023.

ADD on page 47, “**SPECIAL PROVISIONS, SECTION 502, Structural Concrete Curbs**”, at the end of the first paragraph in Basis of Payment, the following.

“Protective Coating for Concrete Surfaces shall be incidental to Item 502.2355.”
Make this change in pen and ink.

Consider this change and information prior to submitting your bid on **June 14, 2023**.

Sincerely,



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

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(Hydration Stabilizing Admixture)

502.07 Mixing and Delivery Replace the last sentence in paragraph “A” with the following:

“An approved hydration stabilizing admixture may be used to increase the discharge time. Justification for the need for a hydration stabilizing admixture shall be provided in the QC Plan. When a hydration stabilizing admixture is used, the manufacturer, dosage rate and discharge time, from the time cement is added to the aggregate, shall be documented in the approved QC Plan. The proposed discharge time(s) shall be based on the manufacturer’s written recommendations, the anticipated concrete temperatures and anticipated ambient conditions at the time of placement(s). Discharge time(s) shall be adjusted when conditions change or are not as anticipated as outlined in the approved QC Plan. The discharge time(s) approved by the Department shall be subject to change at any time, and discharge of concrete into the permanent Work shall cease immediately if the concrete is determined to have attained Accelerated Hydration Gain. Accelerated Hydration Gain being the condition where the fresh concrete has hydrated to the point where the workability and finishability is detrimental to the quality of the final product. Determination of when concrete has attained Accelerated Hydration Gain shall be made by the Contractor’s Quality Control Technician(s) and shall be based on parameters proposed by the Contractor in the QC Plan, such as, but not limited to, loss of slump, plasticity, or workability, an increase in concrete temperature, or a change in the percentage of entrained air.”

502.1701 Quality Control, Method A and B Under the list with the heading, “The QCP shall address all elements that affect the quality of the structural concrete including, but not limited to, the following:”:

Revise “F” to read: “Mix and Transportation, including Time from Batching to Completion of Delivery, as well as manufacturer, product name, proposed dosage(s) and discharge time(s) if a hydration stabilizing admixture is used.”

Revise “H” to read: “Process QC Testing, including monitoring for attainment of Accelerated Hydration Gain when a hydration stabilizing admixture is used.”

502.1702 Quality Control, Method C Revise to read:

“The Contractor shall submit a QCP listing the mix design(s) to be used, the name and location of the production facility, a brief description of the placement and curing process and the name and qualifications of any QCT to be used. **When a hydration stabilizing admixture is proposed for use, the manufacturer, product name, dosage rate and discharge time, from the time cement is added to the aggregate, shall be included, as well as procedures for monitoring attainment of Accelerated Hydration Gain.** A QCT will be required. The Contractor shall provide a Certificate of Compliance for each truckload of concrete to the Department at the time of the load placement.”

SPECIAL PROVISION
SECTION 502
STRUCTURAL CONCRETE
(QC/QA Acceptance Methods)

CLASS OF CONCRETE	ITEM NUMBER	DESCRIPTION	P	METHOD
A	502.2355	Structural Concrete, Curbs	N/A	C

SPECIAL PROVISION
SECTION 703
AGGREGATES
(Combined Aggregate Grading for Concrete)

SECTION 703 – AGGREGATES Add the following:

703.03 Combined Aggregate Grading for Concrete The combined gradation of the fine and coarse aggregates when mathematically blended using the mix design percentages shall conform to the requirements of the following table for the size or sizes designated and shall be well graded between the limits specified.

Sieve Designation	Percentage by Weight Passing Square Mesh Sieves			
	A	AA	S	LATEX
Grading				
Aggregate Size	1 inch	$\frac{3}{4}$ inch	1½ inch	$\frac{1}{2}$ inch
2 inch			100	
1½ inch	100		95-100	
1 inch	95-100	100	85-100	
$\frac{3}{4}$ inch	90-100	93 - 100	55-90	100
$\frac{1}{2}$ inch	55-78	60 - 90	45-75	90-100
$\frac{3}{4}$ inch	40-65	50 - 75	40-65	55-85
No. 4	35-50	35 - 50	35-55	30-60
No. 8	28-45	30 - 47	25-50	25-55
No. 16	18-35	19 - 37	15-40	18-50
No. 30	9-25	10 - 26	7-25	8-30
No. 50	4-14	4 - 14	3-14	3-15
No. 100	0-5	1 - 6	0-5	0-6
No. 200	0-3.0*	0 - 3.0*	0-3.0*	0 - 3.0*

*The percent passing the No. 200 sieve shall not exceed 5.0 percent for any fine aggregate. The percent passing the No. 200 sieve shall not exceed 1.5 percent for any single coarse aggregate.