



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION


ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

October 23, 2020

ADDENDUM # 1

To: Plan Holders

From: Jeffrey E. Alspaugh 
Proposal Engineer

RE: **Revised Pavement Marker Special Provision and Supplemental Pay Item Description**
Contract ID: DN00721
County: Graham and Swain
Letting Date: November 10, 2020

The above contract has experienced the following revision:

1. Proposal pages **PM-2, PM-3, and PM-4** have been revised to reflect **Non-Cast Iron Snowplowable Pavement Markers**. See the attached revised pages.
2. The supplemental description for **Line # 0019, Item Number 4898000000-N, Sec # 1251, GENERIC PAVEMENT MARKING ITEM** has change from (NON-METALIC HOUSING SNOWPLOWABLE MARKERS) to **NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS**. The quantity did not change.
 - a. See the attached proposal page **T-2**.
 - b. The ebsx addendum file is accessible on Bid Express® (bidx.com website).

Thank you for your attention to this matter.



DocuSigned by:

Matthew V. Springer

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7/24/2019

NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS:

(07-23-19)

DESCRIPTION

Furnish, install, and maintain non-cast iron snowplowable pavement markers in accordance with the contract.

MATERIALS

Revise the *2018 Standard Specifications* as follows:

Pages 10-177 and 10-178, Subarticle 1086-3 SNOWPLOWABLE PAVEMENT MARKERS, delete items (A), (B) and (C)(1) and replace with the following:

(A) General

Use non-cast iron snowplowable pavement markers evaluated by NTPEP. The non-cast iron snowplowable pavement marker shall consist of a housing with one or more glass or plastic face lens type reflective lenses to provide the required color designation. The marker shall be designed or installed in a manner that minimizes damage from snowplow blades. Plastic lens faces shall use an abrasion resistant coating.

(B) Housings

(1) Dimensions

The dimension, slope and minimum area of reflecting surface shall conform to dimensions as shown in the plans. The minimum area of each reflecting surface shall be 1.44 sq.in.

(2) Materials

Use non-cast iron snowplowable pavement markers that are on the NCDOT Approved Products List.

(3) Surface

PM-3

The surface of the housing shall be free of scale, dirt, rust, oil, grease or any other contaminant which might reduce its bond to the epoxy adhesive.

(4) Identification

Mark the housing with the manufacturer's name and model number of marker.

(C) Reflectors

(1) General

Laminate the reflector to an elastomeric pad and attach with adhesive to the housing. The thickness of the elastomeric pad shall be 0.04".

Pages 12-14, Subarticle 1250-3(C) Removal of Existing Pavement Markers, lines 19-29, delete and replace with the following:

Remove the existing raised pavement markers or the snowplowable pavement markers including the housings, before overlaying an existing roadway with pavement. Repair the pavement by filling holes as directed by the Engineer.

When traffic patterns are changed in work zones due to construction or reconstruction, remove all raised pavement markers or snowplowable markers including housings that conflict with the new traffic pattern before switching traffic to the new traffic pattern. Lens removal in lieu of total housing removal is not an acceptable practice for snowplowable markers.

Properly dispose of the removed pavement markers. No direct payment will be made for removal or disposal of existing pavement markers or repair of pavement, as such work will be incidental to other items in the contract.

CONSTRUCTION METHODS

Pages 12-16 and 12-17, Subarticle 1253-3 CONSTRUCTION METHODS, delete items (A), (B) and (C) and replace with the following:

(A) General

Bond marker housings to the pavement with epoxy adhesive. Mechanically mix and dispense epoxy adhesives as required by the manufacturer's specifications. Place the markers immediately after the adhesive has been mixed and dispensed.

If saw cutting, milling, or grooving operations are used, promptly remove all resulting debris from the pavement surface. Install the marker housings within 7 calendar days after saw cutting, milling, or grooving the pavement. Remove and dispose of loose material from the slots by brushing, blow cleaning, or vacuuming. Dry the slots before applying the epoxy adhesive. Install non-cast iron snowplowable pavement markers according to the manufacturer's recommendations.

PM-4

Protect the non-cast iron snowplowable pavement markers until the epoxy has initially cured and is track free.

(B) Reflector Replacement

In the event that a reflector is damaged, replace the damaged reflector by using adhesives and methods recommended by the manufacturer of the markers and approved by the Engineer. This work is considered incidental if damage occurs during the initial installation of the marker housings and maintenance of initial non-cast iron snowplowable markers specified in this section. This work will be paid for under the pay item for the type of reflector replacement if the damage occurred after the initial installation of the non-cast iron snowplowable pavement marker.

Missing housings shall be replaced. Broken housings shall be removed and replaced. In both cases the slot for the housings shall be properly prepared prior to installing the new housing. Removal of broken housings and preparation of slots will be considered incidental to the work of replacing housings.

MAINTENANCE

Maintain all installed non-cast iron snowplowable pavement markers until acceptance.

MEASUREMENT AND PAYMENT

Non-Cast Iron Snowplowable Pavement Markers will be measured and paid as the actual number of non-cast iron snowplowable pavement markers satisfactorily placed and accepted by the Engineer.

Payment will be made under:

Pay Item	Pay Unit
Non-Cast Iron Snowplowable Pavement Marker	Each

County : Graham, Swain

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM (4" X 60 MIL YELLOW THERMO)	54,976	LF	
0019	4898000000-N	1251	GENERIC PAVEMENT MARKING ITEM (NON-METALIC HOUSING SNOWPLOWABLE MARKERS)	810	EA	
1529/Oct23/Q219475.0/D55724240000/E19			Total Amount Of Bid For Entire Project :			