



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: DN00727
County: Jackson
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 # 0015, 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-1**.
 - 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

BC60F6E8B584403...
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 : Jackson

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	1220000000-E	545	INCIDENTAL STONE BASE	60 TON		
0003	1245000000-E	SP	SHOULDER RECONSTRUCTION	11 SMI		
0004	1330000000-E	607	INCIDENTAL MILLING	533 SY		
0005	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	7,193 TON		
0006	1520000000-E	SP	ASPHALT CONC SURFACE COURSE, TYPE S9.5B (LEVELING COURSE)	600 TON		
0007	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	522 TON		
0008	1704000000-E	SP	PATCHING EXISTING PAVEMENT	1,670 TON		
0009	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	96 SF		
0010	4413000000-E	SP	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	564 SF		
0011	4457000000-N	SP	TEMPORARY TRAFFIC CONTROL	Lump Sum	L.S.	
0012	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	200 LF		
0013	4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM (4" X 60 MIL WHITE THERMO)	59,180 LF		
0014	4890000000-E	SP	GENERIC PAVEMENT MARKING ITEM (4" X 60 MIL YELLOW THERMO)	59,180 LF		
0015	4898000000-N	1251	GENERIC PAVEMENT MARKING ITEM (NON-CAST IRON SNOWPLOWABLE PA VEMENT MARKERS)	624 EA		