



**City of North Miami Beach**  
**17011 NE 19<sup>th</sup> Avenue**  
**North Miami Beach, FL 33162**  
**305-947-7581**  
**www.citynmb.com**

**MEMORANDUM**

**TO:** Arthur H. Sorey, III, City Manager  
**FROM:** Emmanuel Adediran, Interim Director of Public Works  
**VIA:** Jamorie Depusoir, CIP Manager  
**DATE:** Thursday, May 19th, 2022  
**RE:** Ratification of 15<sup>th</sup> Avenue Bridge Spall and Joint Repairs

**BACKGROUND ANALYSIS:**

In July of 2021, the city received a call that there was a visible pot hole on the 15th Avenue Bridge. The bridge was inspected by a structural engineer, who determined that the bridge was structurally sound. However, the pot hold was an area of concern and needed to be repair. The same engineer was enlisted to develop a drawings and procedures for repair, so that the city could solicit the repairs. In conversation the engineer also mentioned that it is not best practice to lay asphalt over expansion joints and that is the reason for noticeable longitudinal surface cracks on the bridge. At some point in the development of the scope of the solicitation it was determined that the repairs to the joints would be included in the works to rendered. Consequently, the inclusion of the proper design for the remediation of the joint were not in the repair documents provided by the structural engineer. The project was solicited September, and three bids were acquired from Bridge Masters Construction LLC (\$130,000), Sun Eagle Contractors Corp. (\$230,000) and Southern Road & Bridge LLC (\$355,000). The Project was awarded to Bridge Masters Construction LLC.

Prior to providing notice to proceed, a preconstruction meeting was conducted. The representative of Bridge Masters requested a point of clarification on the proper installation specifications polymer nosing required to repair. The question was posed to the structural engineer who stated that they did not produce any drawings pertaining to the repairs of the joint as it was not part of the repair document proposal. However, at no extra cost could provide such revised plans. The revised plans were provided and the provided to awarded bidder who stated that the scope of work has changed based on new drawings. The believed there to be and asphalt thickness of 1.5 inches and the revised drawing depicted 3 in thickness. This discrepancy in not only will increase the fill material cost

but now would require rebar. The new drawings also included sealing of sidewalk joints further increasing costs. Bridge masters determined that the work could be completed for an additional \$86,000. This increased the overall total project cost to \$216,000. Finding that this price was still \$14,000 less than the second bidder, deducing that all bids would likely increase based on the new specifications and considering the possible public safety hazards of continued postponing of the repair which was almost a year old the change in cost was accepted. The contractor was authorized to proceed.

During construction phase, it was determined that the asphalt depth of 3 inches was not consistent across the bridge. The asphalt from sidewalk to sidewalk varied from 6 inches to 2.25 inches. These variations resulted in an additional 92 Cubic feet of material. However, the vendor an additional 25 cubic feet on hand, which required a purchase of 67 additional cubic feet. The cost incurred by the city for the unforeseen circumstances is \$50,250 for a total project cost of \$266,250.

**FISCAL/BUDGETARY** ARPA - \$ 225,530  
**IMPACT:** CIP - \$ 40,720  
Final cost \$266,250

**RECOMMENDATION:** The CIP Manager and Public Works Director recommend approval.

**ATTACHMENTS:** Original Drawings  
Revised Drawings  
Bid Tabulation Sheet  
Change Order Documents

**CHANGE ORDER FORM**

PROCUREMENT MANAGEMENT DIVISION

Title: ITB-21-071-MC Spall And Joint Repair; 15th Avenue over Snke Creek Canal	Contract No.: _____  Purchase Order No.: 220777 _____
Vendor: <b>Bridge Masters Construction (527168)</b>	Change Order No.: <b>1</b>
Contract Award Date: <b>2-4-2022</b>	Completion Date:
Revised Completion Date (prior to this change):	Extension(s) of Time Previously Approved:        days
Revised Completion Date (including this change):	

<b>Summary of Amount</b>	
<i>Original Amount</i>	\$ <b>130,000</b>
Change Orders Previously Approved	\$ <b>0</b>
Adjusted Value Prior to this Change Order	\$ <b>0</b>
Cost of Changes in this Change Order	\$ <b>136250</b>
<i>Adjusted Amount Including this Change</i>	\$ <b>266250</b>
Percentage Increase this Change Order	% <b>104</b>
Total Percent Increase to Date	% <b>0</b>
Extension of Time Allowed by this Change -	<b>0</b> days

Description of Change:

The development of revised plan to encompass repairs to expansion joint resulted in an increase of \$86,000 due to inclusion of new material (rebar). Unforeseen condition of asphalt depth inconsistency resulted in the need for additional polymer at increase cost of \$50,250

Project Financials

Source	Amount	Account
ARPA -	\$225,530	145860-539630
CIP -	\$ 40,720	010860-539630
<b>Total-</b>	<b>\$266,250</b>	

Account Number: 010860-539630 and 145860-539630

Code of Ordinances – Chapter III Purchasing, 3-3.20 Change Orders

The City Manager may approve any change orders so long as the total sum of all change orders does not exceed the total amount awarded by the City Commission by more than either ten percent of the contract cost or \$50,000.00, whichever is less. The scope of any project may not be changed without prior approval of the City Commission. No increase in contract price shall be approved unless there are sufficient funds available for such purpose

This change order is hereby incorporated into and becomes a part of the Contract.

RECOMMENDED:

Jamorie Depusoir

(Project Manager)

By: [Signature] 05/19/22  
(Signature) (Date)

CIP Manager  
(Title)

By: [Signature] 5/19/22  
(Department Head) (Date)

APPROVED:

By: Approved in Munis by Sandria Barrett Lee 5-19-22  
(Finance Division) (Date)

By: DocuSigned by: Phillip Ford 5/31/2022  
231DA3BA713E4A0...  
(Procurement Division) (Date)

By: DocuSigned by: A. Sorey 6/6/2022  
7C6554BD55C1455...  
(Arthur H. Sorey, III, City Manager) (Date)

3/29/2022

**NE 15<sup>th</sup> Ave Bridge Over Snake Creek Canal**  
**Project# ITB-21-071-MC**

This project initially was bid for \$130,000.00 and included the creation of polymer nosing headers on 8 joints (depth of 1 ½") and the repair of a spall next to joint #5.

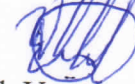
We signed a contract on the 27<sup>th</sup> of January 2022 and a Purchase Order (#PO #220777) was created on February 17<sup>th</sup> for the same amount, \$130,000.00

On March 18, 2022 we received a new set of plans revising the work to the following changes/additions:

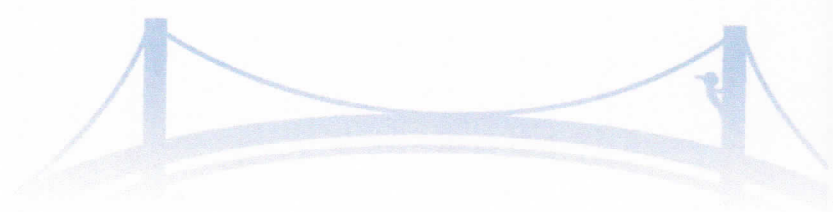
- Depth of the polymer nosing changed from 1 ½" to 3"
- Rebars to be installed on all 8 joints
- Sidewalk expansion joints to be sealed

We had to increase our bid price to include those changes for \$86,000.00 changing the total of the bid to \$216,000.00

Thank you,

A handwritten signature in blue ink, appearing to read "Nick Vezyropoulos", is written over a circular blue stamp or seal.

Nick Vezyropoulos



4/26/2022

**NE 15<sup>th</sup> Ave Bridge Over Snake Creek Canal**  
**Project# ITB-21-071-MC**

This project initially was bid for \$130,000.00 and included the creation of polymer nosing headers on 8 joints (depth of 1 ½") and the repair of a spall next to joint #5.

We signed a contract on the 27<sup>th</sup> of January 2022 and a Purchase Order (#PO #220777) was created on February 17<sup>th</sup> for the same amount, \$130,000.00

On March 18, 2022 we received a new set of plans revising the work to the following changes/additions:

- Depth of the polymer nosing changed from 1 ½" to 3"
- Rebars to be installed on all 8 joints
- Sidewalk expansion joints to be sealed

We had to increase our bid price to include those changes for \$86,000.00 changing the total of the bid to \$216,000.00. This change order was approved the week of March 28, 2022

When we started the job, and actually started saw-cutting and chipping the asphalt, we encountered depths that varied between 3" and 6". I'm attaching some pictures proving this fact. Because of this increase in depth, we had to use more materials and/or more cubic feet.

We brought with us 25 cubic feet from some leftovers that we had from a previous job, and we bought 280 cubic feet of materials (56 pairs of 5cf each).

The price that we had given of \$216,000 was for a depth of 3" or 213 cubic feet. The extra cubic feet that we ended up using were 92. Since my only proof to you guys are the invoices that are attached, then the extra cubic feet that we are accounting for are 67. So, 67 x \$750 (per contract) would be \$50,250.00 and that would be the Change Order amount for a final total of \$266,250.00



Thank you,

Nick Vezyropoulos  
727-504-4480