



BOARD OF COUNTY COMMISSIONERS

Public Works Department  
2725 Judge Fran Jamieson Way  
Building A, Room 201  
Viera Florida 32940

## Change Order #1

**Contract Number:** 10590

**Originating Department:** Public Works Department

**Project Title:** Sea Ray Bridge Replacement Project #2020014

**Original Contract Amount:** \$9,670,000.00

**List Previous Contract Modifications by Number and Price:** \$0.00

**Proposed Contract Change Order Cost:** \$245,700.00

Proposed New Contract Total \$9,915,700

RFI #02 was generated by the County asking SEMA (the Contractor) to reevaluate the unit cost for production piles. A sizable increase in the quantity of piling needed to effectively construct the substructure of the bridge occurred. After considering this request, the Contractor declined to reduce the Contract unit cost for this project for a variety of reasons.

The length of pile needed is determined at two times, once during design and then again after the test piles are driven. Data from the test pile process, which is analyzed by a 3<sup>rd</sup>-party Geotech firm, provides a better understanding of soil bearing deep beneath the surface vs. criteria used during design. For the Sea Ray Bridge, the 4 test pile lengths were 130' to 135' as determined by the design team. The Geotech team analyzed the test pile results and determined that 12 of the production piles in the Sykes Creek channel should be 130' in length; 6 of 12 production piles in the creek's shoreline should be 90' in length, and the remaining 6 of 12 should be 89' long. The design team calculated production pile length at 99' long in the channel; 62' at the shoreline, hence the sizable difference in quantity.

The Contractor's unit cost at \$350/LF is below the 6-month FDOT average pile cost of \$388/LF and was further below the 2<sup>nd</sup> bidder's proposed pile cost of \$414/LF. The added weight (nearly 20,000 lbs.) of the 130' piles driven in the channel (the furthest reach) necessitated use of a costly appropriate-sized crane.

**In consideration of this Change Order being executed by the Parties, the Contractor hereby waives any claims against the County arising from or relating to the subject matter of this Change Order, including, but not limited to, any time delays not specifically addressed herein and any damages of whatever kind that are incurred by the Contractor. The Contractor acknowledges that specific consideration has been given and received for this waiver. The terms and conditions of the Contract, and any other amendments or modifications made thereto, incorporated herein by this reference, shall remain in full force and effect, unless otherwise modified herein.**

This Contract Change Order #1 will result in a net increase of \$245,700.00 to the contract amount. The Parties agree that the Contract time remains the same.

Signature page for Change Order #1, Contract Number 10590

*Velvet Bridges*

Velvet Bridges, P.E.  
Jacobs Engineering Group, Inc.

Rachel Gerena, P.E.  
Engineering Program Manager

Attest:

Brevard County, Florida

\_\_\_\_\_  
Rachel Sadoff, Clerk

By: \_\_\_\_\_  
Jason Steele, Chair  
As approved by Board on: \_\_\_\_\_

Reviewed for legal form solely  
for Brevard County:

SEMA Construction, Inc.  
CONTRACTOR

Deputy County Attorney

By:   
Justin Oakes, Southeast Vice President  
Sema Construction, Inc.

ACKNOWLEDGMENT

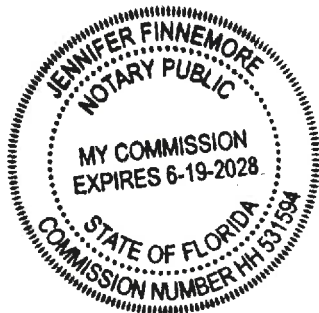
STATE OF Florida

COUNTY OF Orange

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization, this 7th day of October, 2024 by Justin Oakes, Southeast Vice President of SEMA Construction, Inc., a corporation authorized to conduct business in Florida, on behalf of the corporation. He is personally known to me or has produced \_\_\_\_\_ as identification.

Notary Public Signature

Jennifer Finnemore  
Name, typed, printed or stamped



My Commission Expires: \_\_\_\_\_