



FLORIDA DEPARTMENT OF Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, FL 32399

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

November 8, 2021

NOTICE TO APPLICANTS ADDENDUM NO. TWO (2)

**Earl Gilbert City Park - Oakshore Drive Fishing Pier
DEP Bid NO. BDC14-21/22**

TO BIDDERS AND PLAN HOLDERS ON THE ABOVE REFERENCED PROJECT: PLEASE NOTE CONTENTS HEREIN AND INCLUDE WITH YOUR BID SUBMISSION.

NOTICE

It will be required that this addendum be signed in acknowledgment of receipt and that it be included with your Bid when same is submitted to Alyssa Skehan, Government Operations Consultant II, Bureau of Design and Construction, 3900 Commonwealth Blvd. MS520, Tallahassee, Florida 32399-3000. Failure to do so may be grounds for rejection of the Bid.

Signature of Contractor and Date

The Following statements supersede & supplement the corresponding items in the specifications & drawings:

The attached Requirements for Concrete letter hereby incorporated into the bid package and supersede those originally posted with the bid documents. Please contact the Bureau of Design and Construction's Contracts Section at Alyssa.Skehan@FloridaDEP.gov with any questions.

In all other respects, the contract documents of which this is an Addendum, and attachments relative thereto, shall remain in full force and effect.

FDEP Bid BDC14-21/22

Earl Gilbert City Park - Oakshore Drive Fishing Pier

FDEP received indication from a potential bidder(s) that prestressed concrete manufacturers expressed concern regarding the acceptance criteria for cracking of concrete products (Bid Drawings, Sheet C-2, Concrete General Specification 26). Specifically, their concern appeared to be related to the requirement for absence of structural cracking and **plastic** shrinkage cracks (Sheet C-2, Concrete General Specification 26[B]).

Concrete containing silica fume is especially subject to plastic shrinkage cracking. The Contractor shall take extra precautions as necessary during installation, finishing, and curing of the concrete to prevent **plastic** shrinkage cracking. Concrete Curing Requirements for Silica Fume Concrete (Sheet C-2, C-3) are provided to reduce potential for development of plastic shrinkage cracks. Taylor Engineering has used very similar specifications for procurement of prestressed and precast concrete members for many years. Many prestressed and precast concrete manufacturers will be well equipped to meet these minimum specifications. **Plastic** shrinkage cracking is not typical for concrete members properly cured in controlled manufacturing (i.e., factory) environments.

To alleviate concerns expressed by concrete suppliers within the local region, Sheet C-2, Concrete General Specification 26 will be revised as follows (changes are in bold underline).

1. ACCEPTANCE OF THE CONCRETE SHALL BE DETERMINED SOLELY BY THE ENGINEER AND SHALL BE BASED ON THE FOLLOWING CRITERIA:
 - A. CONCRETE MEETING THE SPECIFIED MINIMUM STRENGTH CRITERIA.
 - B. THE ABSENCE OF STRUCTURAL CRACKING AND/OR PLASTIC SHRINKAGE CRACKS. **THE ENGINEER WILL EVALUATE THE ACCEPTANCE OF CRACKING IN ACCORDANCE WITH FDOT SPECIFICATION 450-12. IF REQUIRED, REPAIR OF CONCRETE PRODUCTS WILL FOLLOW FDOT SPECIFICATION 450-13 TO THE SATISFACTION OF THE ENGINEER.**
 - C. GOOD WORKMANSHIP AND CONCRETE MEETING PLACEMENT TOLERANCES.
 - D. PROPER FINISHING INCLUDING THE GROUTING OF FORMWORK MOUNTING HOLES, FORM-TIE HOLES, ETC.
 - E. PROPER CURING AND FORMWORK REMOVAL.
 - F. PROPER INSTALLATION OF EXPANSION AND CONSTRUCTION JOINTS.
 - G. INSTALLATION IN ACCORDANCE WITH THESE SPECIFICATIONS.