

Contract Number: E-5R02
I-95 Widening from the Indian River County Line to South of Malabar Road,
Brevard County, Florida
Design/Build Contract
Financial Projects Number: 413072-1-52-01
Federal Aid Project Number(s): 0951 638 I
Addendum No. 5 to the Request for Proposal

The RFP is modified as shown below:

Section VI - Design and Construction Criteria, B – Geotechnical Services, Driven Pile Foundations for Bridges and Major Structures on Page 30 of 70:

Driven Pile Foundations for Bridges and Major Structures

For bridge and major structure deep foundations, at least one boring at each foundation unit shall extend a minimum of 20 feet below the deepest pile or drilled shaft.

A minimum Tip Elevation at each Foundation Unit, where applicable must be shown in the “Pile Data Table” of The Structural Foundations Plans of Bridges over Fellsmere Canal, C54 Canal, and Sottile Canal to compensate for the Lateral Stability in each Foundation Unit.

~~Do not tip deep foundations above the elevations in the following table, unless refusal conditions are encountered:~~

~~SR-9 (I-95) Over Fellsmere Canal:~~

- ~~● Station 1013+23.00 And Station 1015+61.00 ————— 10.00 NAVD88~~
- ~~● Station 1014+02.33 To Station 1014+81.66 ————— 25.00 NAVD88~~

~~SR-9 (I-95) Over C-54 Canal:~~

- ~~● Station 1018+22.00 And Station 1021+74.00 ————— 15.00 NAVD88~~
- ~~● Station 1019+10.00 To Station 1020+86.00 ————— 27.00 NAVD88~~

~~SR-9 (I-95) Over Sottile Canal:~~

- ~~● Station 1279+58.21 And Station 1280+88.21 ————— 15.00 NAVD88~~
- ~~● Station 1280+01.55 To Station 1280+44.88 ————— 35.00 NAVD88~~

The Department reserves the right to observe construction and perform verification procedures on any geotechnical elements during any phase of the construction operation. Verification that the design intent has been met will be achieved by either over-the-shoulder review or independent testing, at the discretion of the Department.

The Design/Build Firm shall determine if the resistance factors used for pile design will be based on load testing. Before the resistance factors for load testing may be used for pile foundations a minimum of two (2) successful load tests must be performed in representative areas of the project approved by the District Geotechnical Engineer.

If piles are driven to the Nominal Bearing Resistance at the End Of Initial Drive (EOID), compute the Nominal Bearing Resistance using the appropriate Resistance Factor from Table 3.5.6-1 of the Structures Design Guidelines and Structures Design Bulletin C10-02/DCE Memorandum 05-10 Dated March 17, 2010.

Production Piles driven to less than the Nominal Bearing Resistance and accepted based on a set check performed more than 72 hours after initial drive, calculate the Nominal Bearing Resistance using the appropriate Resistance Factor from the table below titled “Resistance Factors for Pile Installation Using Soil Setup (all structures)”.

On the other hand, Production Piles that are driven to less than the Nominal Bearing Resistance may be accepted based on the anticipated soil setup (without set-checks on every pile) if and only if the following criteria are met:

1. Pile tip is deeper than the Minimum Penetration Elevation stated in ~~this RFP~~ [the Structural Foundation Plans](#).
2. EOID resistance exceeds 1.10 times the Factored Design Load for the pile bent/pier.
3. The Resistance Factor for computing Nominal Bearing Resistance is taken from the following table:

Posted: August 17, 2011, 9:00 a.m.

By: Lisa Hightower

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes.