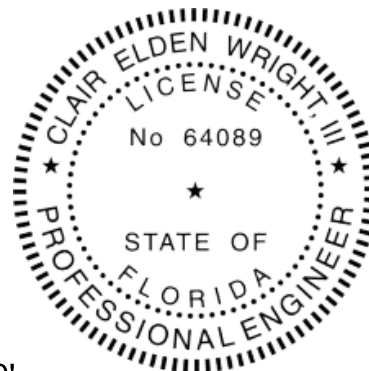


**TECHNICAL SPECIFICATIONS
FOR
Williams Road/Atlantic Gulf Boulevard
Intersection Improvements**

This item has been digitally signed and sealed by Clair E. Wright, III, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signatures must be verified on any electronic copies.

Date: 4/6/2022
Fla. License No.: 64089
Firm Name: CW3 Engineering, Inc.
Firm Address: 5783 Bayshore Road Ste.113
City, State, Zip code: North Fort Myers, FL 33917



Clair E Wright III 2022.04.06
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Technical Specifications

General Technical Specifications – Inclusion of FDOT Standard Specifications

The 2021 FDOT Edition of the Standard Specification for Road and Bridge Construction, as amended, will apply to, and form a part of the contract as is fully written herein. Where a FDOT Section/Chapter is cited that contains references to other Sections/Chapters, they will also be included as though written herein.

Where a reference is made to “Department” or “Department’s Representative” in the FDOT Standard Specifications and Technical Specifications, it shall mean “Owner” or “Owner’s Representative”, as applicable.

Where FDOT Standard specifications refer to the “Engineer”, “Engineer of Tests”, or “Division of Tests”, it shall be understood to mean the Engineer, or the Owner as stated in the Contract Documents.

Where there is overlap between the Village of Estero Specifications and FDOT Standard Specifications for roadway construction, FDOT’s Specification will govern.

Copies of the FDOT Specification Manual and Supplements can be obtained from:

<https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm>

Method of measurement and basis of payment for material and work performed in conformance with the FDOT Standard Specifications and Technical Specifications shall be as indicated in the – BID SCHEDULE. The lump sum and/or unit cost bid shall be full compensation for labor, equipment, materials, and incidentals necessary to complete the Work in conformance with the Contract Documents.

Indexes are to be referenced from the 2021 Standard Plans for Road and Bridge Construction.

A list of all applicable Chapters from the 2021 Standard Specifications for Road and Bridge Construction are:

Chapter 100 Series – General Construction Operations

Chapter 700 Series – Signing, Pavement Marking and Lighting

MEASUREMENT AND PAYMENT

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

1. GENERAL

PAYMENT

- A. Payment is to be made for the items listed on the Bid Form on the basis of the work actually performed and completed, such work including but not limited to, the furnishing and mobilization of all necessary labor, materials, equipment, transportation, clean up, restoration of disturbed areas, and all other appurtenances to complete the construction and installation of the work as shown in the Plans and described in these Specifications.

- B. Quality Control Testing for all utility work, densities, concrete, pavement, etc. (both inside and outside R/W) are to conform to the Village of Estero and FDOT Specifications. Cost for testing, logging, coordination, etc. is to be included in any pay item(s) necessary to facilitate the project. Separate payment for testing will not be made.

2. EXECUTION

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

A. PAYMENT ITEMS:

- 1. Pre-Construction Video – Payment for the Pre-Construction Video will be made as Lump Sum after the video is accepted by the Village of Estero. This item includes all labor, equipment and materials to provide color videos showing the pre-construction condition of all public and private property within the scope of the construction. The recording will not be accepted if it does not clearly show the existing features within the roadways and private properties within the scope work. The contractor shall provide the Village of Estero with 2 copies of readable digital storage devices. At the beginning of the device data files, the contractor shall specify the date, job title and location where the video was taken.

Payment will be made under:

Item No. 100-1-X

Pre Construction Video

2. Mobilization– The work specified in this Section will conform to the FDOT Specification reference below.

FDOT Standard Specification Sections 101

The Contractor shall keep and maintain one (1) copy of all project plans, drawings, specifications, addenda, written amendments, change orders, work directive orders, supplemental agreements and other written interpretations and clarifications, and shall be annotated by the Contractor to show updated construction deviations as well as design changes authorized by the Engineer during construction.

The price and payment for Mobilization includes preparing and filing a Village of Estero Right-of-Way permit as well as FDOT permitting, if required for maintenance of traffic purposes. The Contractor shall be responsible for any permit fees.

The price and payment for Mobilization includes all job site set up including signage and sanitary facilities.

The price and payment for Mobilization includes all labor and materials necessary for demobilization.

Payment will be made under:

Item No. 101-1	Mobilization – Lump Sum
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3. Maintenance of Traffic – The work specified in this Section will conform to the FDOT Specification reference below. Include any fees necessary to provide and prepare Temporary Traffic Control Plan required to implement roadway/signage improvements.

FDOT Standard Specification Section 102

Payment will be made under:

Item No. 102-1	Maintenance of Traffic – Lump Sum
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4. Highway Signing – The work specified in this Section will conform to the FDOT Specification reference below.

FDOT Standard Specification Section 700

Method of Measurement

Per Section of 700-2.3

Payment will be made under:

Item No. 700-1-11	Single Post Sign, F&I, Ground Mount, Up to 12SF
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5. Tubular Markers – The work specified in this Section will conform to the FDOT Specification reference below.

FDOT Standard Specification Section 704

Method of Measurement

Per Section of 704-4

Payment will be made under:

Item No. 704-1-1	Tubular Marker, Durable, White Post, 36"
Item No. 704-1-2	Tubular Marker, Durable, Yellow Post, 36"

6. Thermoplastic Pavement Marking – The work specified in this Section will conform to the FDOT Specification reference below.

FDOT Standard Specification Section 711

Method of Measurement

Per Section 711-9

Payment will be made under:

Item No. 711-11-201	Thermoplastic, Standard, Yellow, Solid, 6"-Lump Sum
Item No. 711-11-202	Thermoplastic, Standard, Yellow, Solid, 8"-Lump Sum

Item No. 711-11-241	Thermoplastic, Standard, Yellow, 2-4 Yellow Dotted Guide Line/ 6-10 Dotted Extension Line- Lump Sum
Item No. 711-17-1	Thermoplastic, Remove Existing Thermoplastic Pavement Markings – Surface to Remain -Lump Sum

End of Specifications