



Legislation Text

File #: 24-1818, **Version:** 1

Interoffice Memorandum

DATE: November 25, 2024

TO: Mayor Jerry L. Demings and County Commissioners

THROUGH: N/A

FROM: Joseph C. Kunkel, P.E., Director, Public Works Department

CONTACT: Humberto L. Castellero, P.E., PTOE, Manager

PHONE: (407) 836-7891

DIVISION: Traffic Engineering Division

ACTION REQUESTED:

Approval and execution of Interlocal Agreement between Orange County, Florida and the City of Ocoee, Florida regarding Signalization and Transfer of Impact Fees for the Intersection of West Road at the Fountains West Boulevard Intersection. The total amount of impact fees collected are \$132,636.21. District 2. **(Traffic Engineering Division)**

PROJECT: N/A

PURPOSE:

Submitted for approval and execution is the interlocal agreement between Orange County and the City of Ocoee regarding signalization and transfer of impact fees for the intersection of Clarcona-Ocoee Road at the Fountain West Road Intersection to include mast arm signal, signal interconnect, turn lane, sidewalk, curb ramps, signing, and pavement markings.

Due to growth in the City of Ocoee and increased traffic at the intersection of Clarcona Ocoee Road at the Fountain West Road, Orange County has designed a set of plans to signalize the intersection to improve safety and operations. The City of Ocoee has collected \$132,636.21 in impact fees to go towards improvements to the intersection. This agreement is for the transfer of these impact fees to Orange County for the construction of the signalization project. Orange County has paid for the design and will cover the rest of the construction costs through the Accelerated Transportation Safety Program.

The County Attorney's Office and the Public Works Traffic Engineering Division have reviewed the

interlocal agreement and found it acceptable.

BUDGET: N/A

INTERLOCAL AGREEMENT

between

ORANGE COUNTY, FLORIDA

and the

CITY of OCOEE, FLORIDA

regarding

SIGNALIZATION and TRANSFER OF IMPACT FEES

for the INTERSECTION of

WEST ROAD at the FOUNTAINS

WEST BOULEVARD

INTERSECTION

Approved by the Orange County
Board of County Commissioners
December 17, 2024

Approved by the City of Ocoee
City Commission
November 19, 2024

INTERLOCAL AGREEMENT
between
ORANGE COUNTY, FLORIDA
and the
CITY of OCOEE, FLORIDA
regarding
SIGNALIZATION AND TRANSFER OF IMPACT FEES
for the INTERSECTION of WEST ROAD at the
FOUNTAINS WEST BOULEVARD INTERSECTION

THIS INTERLOCAL AGREEMENT (the “Agreement”), effective as of the latest date of execution (“Effective Date” is made and entered into by and between **Orange County**, a charter county and political subdivision of the State of Florida ("County") with a mailing address of P.O. Box 1393, Orlando, Florida 32802-1393, and the **City of Ocoee**, a Florida municipal corporation (“City”) located at 150 North Lakeshore Drive, Ocoee, Florida 34761. County and City may occasionally be referred to herein individually as “Party” and collectively as “Parties.”

WITNESSETH:

WHEREAS, County has authority pursuant to Section 125.01(1)(p), Florida Statutes, to enter into agreements with another governmental entity or agency for joint performance, or performance by one unit on behalf of the other, of any of either entity’s or agency’s authorized functions;

WHEREAS, City has authority pursuant to Section 166.021, Florida Statutes, to enter into agreements;

WHEREAS, all roads that are open and available for use by the public and dedicated to public use, according to law or by prescription, are declared to be and established as, pursuant to Section 335.01(1), Florida Statutes, public roads;

WHEREAS, a “road” is defined by Section 334.03(22), Florida Statutes, as “a way open to travel by the public, including, but not limited to, a street, highway, or alley, including, but not limited to, associated sidewalks, the roadbed, the right-of-way, and all culverts, drains, sluices, ditches, water storage areas, waterways, embankments, slopes, retaining walls, bridges [and] tunnels . . .”;

WHEREAS, the term “road” as defined by Section 334.03(22), Florida Statutes, also implicitly includes, but is not limited to, curbs, guardrails, landscaping, and traffic control devices (such as signals and signs);

WHEREAS, according to Section 335.01(2), Florida Statutes, public roads are divided into four systems: (1) the “county road system”; (2) the “city street system”; (3) the “State Highway System”; and (4) the “State Park Road System”;

WHEREAS, the “county road system” is defined by Section 334.03(8), Florida Statutes, as “all collector roads in the unincorporated areas of a county and all extensions of such collector roads into and through any incorporated areas, all local roads in the unincorporated areas, and all urban minor arterial roads not in the State Highway System”;

WHEREAS, the “city street system” is defined by Section 334.03(3), Florida Statutes, as “all local roads within a municipality, and all collector roads inside that municipality, which are not in the county road system”;

WHEREAS, pursuant to Section 335.0415(1), Florida Statutes, the jurisdiction of public roads and the responsibility for operation and maintenance within the right-of-way of any road within the State, county, and municipal road systems shall be that which existed on June 10, 1995;

WHEREAS, under Section 335.04(2), Florida Statutes, the predecessor statute to Section 335.0415, Florida Statutes, each local government’s responsibilities were expressly described

therein, and the responsibility of a county for the operation and maintenance of any roads under its jurisdiction that extended into and through a municipality was limited to the roadbed, curbs, culverts and drains, but did not include sidewalks, embankments and slopes;

WHEREAS, pursuant to Section 335.0415(2), Florida Statutes, any change of the jurisdiction of a public road after July 1, 1995, that is a part of a county road system or a city street system is governed by Section 335.0415(3), Florida Statutes;

WHEREAS, pursuant to Section 335.0415(3), Florida Statutes, subsequent to July 1, 1995, public roads within the respective road systems of a county or a city may be transferred between those jurisdictions only by mutual agreement of those local governmental entities;

WHEREAS, the intersection of Fountains West Boulevard and West Road, is currently operated and maintained by County;

WHEREAS, County and City have determined that the construction of certain traffic signalization improvements at the intersection (the "Improvements") will provide improved safety and intersection operations based on the conducted signal warrant analysis;

WHEREAS, County and City desire to cooperate in funding the Improvements for the mutual benefit of the citizens, property owners, and businesses of both City and County, according to the terms and conditions of this Agreement;

WHEREAS, County and City concur that the Improvements will be most efficiently and expeditiously completed if County and City partner to fund such Improvements, and if one party, in this case County, designs, permits, bids, and constructs the Improvements, according to the terms and conditions set forth herein; and

WHEREAS, however, this Interlocal Agreement is not intended to apply and shall not be construed as applying to the subject of which law enforcement authority (the City's Police

Department or the Orange County Sheriff's Office) has jurisdiction to enforce traffic laws at the intersection, pursuant to Section 316.640, Florida Statutes.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged and agreed, the County and the City agree as follows:

Section 1. Recitals.

The foregoing recitals are true and correct and form a material part of this Agreement.

Section 2. "Intersection" defined.

The "Intersection" is defined in this Agreement as the general area of convergence of the rights-of-way of West Road with Fountains West Boulevard, all as generally depicted and described in **Appendix "A"** attached hereto and incorporated herein by reference.

Section 3. Intersection Project; Intersection Project Costs; Good Faith Estimate; Parties' Shares of Costs.

(a) **Intersection Project.** County and City agree to modify the Intersection in accordance with the results of County's warrant study and design, permit, bid, construct, and install and a new mast arm traffic signal system at the Intersection ("Intersection Project"), all as generally depicted and described in **Appendix "B"**, attached hereto and incorporated herein by reference.

(b) **Intersection Project Costs.** All actual design, permitting, construction, and related costs for the Intersection Project shall be deemed "Intersection Project Costs."

(c) **Good Faith Estimate.** The parties' good faith estimate of the Intersection Project Costs is Eight Hundred Eight thousand and One Hundred Thirty Six 81/100 dollars (\$808,136.81). The itemization of those estimated costs is set forth in **Appendix "C"** attached hereto and incorporated herein by reference.

(d) **Parties' Shares of Costs.** City shall be responsible for One Hundred Thirty Two thousand and Six Hundred Thirty Six 21/100 dollars (\$132,636.21). The County shall be responsible for the remainder of the Intersection Project costs.

Section 4. County's Responsibilities for the Intersection Project.

(a) **Project Management.** County shall be responsible for managing, designing, obtaining necessary permits, bidding, and constructing the Intersection Project.

(b) **Completion of Intersection Project.** County shall make reasonable efforts to ensure that the Intersection Project is completed pursuant to the approved final design plans, as may be modified. Upon completion of the Intersection Project, County's Public Works Director shall promptly so notify City's Public Works Director.

Section 5. City's Responsibilities for Intersection Project.

(a) **Payment.** Upon execution of this agreement the City shall make full payment in the amount of One Hundred Thirty Two thousand and Six Hundred Thirty Six 21/100 dollars (\$132,636.21) directly to the County.

(b) **Permits.** At no cost to County, City shall, upon request by County and compliance with the City of Ocoee Code of Ordinances and all other rules, requirements and procedures of City, grant to County all City permits and authorizations appropriate or necessary for the County to construct the Intersection Project, including but not limited to right-of-entry and right-of-way use permits. City hereby waives all fees associated with such permits and authorizations.

(c) **City Review of Estimates, Costs, Payments, and Plans.** To the extent City disapproves or objects to any estimates, costs, payments, or plans, as and where authorized to do so under this Agreement, the parties shall attempt to reach agreement on such issue within thirty

(30) days of City's disapproval or objection, or within such other time as may be agreed upon by City's and the County's representatives.

Section 6. Assignment of Responsibility for Traffic Control for Intersection; Liability for Torts.

(a) **Responsibility for Traffic Control.** Orange County hereby acknowledges and accepts the responsibility for traffic control for the Intersection and associated costs for signal operation and maintenance as of the Effective Date.

(b) **Liability for Torts.** The City shall be liable for torts arising from events occurring on or after the Effective Date of this agreement; however, nothing in this Agreement waives or is intended to waive the sovereign immunity of City (or County for events occurring before the Effective Date) or of the provisions of Section 768.28, Florida Statutes.

Section 7. Traffic Control at Intersection.

As of the Effective Date and upon completion of the Intersection Project, Orange County shall be responsible for regulating, warning, guiding, and controlling traffic of both vehicles and pedestrians in the Intersection, as authorized under Section 316.006(2), Florida Statutes, regardless of any future alteration, realignment, construction, extension, or widening of the Intersection.

Section 8. General Provisions.

(a) **Validity.** County and City each represents, warrants, and covenants to and with the other its respective authority and power under Florida law to enter into this Agreement, acknowledges the validity and enforceability of this Agreement, and waives any future right or defense based on any claim of illegality, invalidity or unenforceability of any nature.

(b) **Governing Law; Venue; Attorney's Fees and Costs.**

(1) **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of Florida.

(2) **Venue.** Venue for any action arising out of or related to this Agreement shall be in the Circuit Court of the Ninth Judicial Circuit in and for Orange County, Florida.

(3) **Attorney Fees and Costs.** In the event a party deems it necessary to take legal action to enforce any provision of this Agreement, each party shall bear its own attorney fees and costs.

(c) **Remedies.** Upon any failure of either party to perform its obligations under this Agreement, the aggrieved party shall have the right to pursue any remedy available in law, equity, or otherwise, but before a court action is maintained, such party must comply with Chapter 164, Florida Statutes, incorporated herein by reference.

(d) **Entire Agreement.** This Agreement, including its appendixes, constitutes the entire agreement of the parties with respect to the subject matters of this Agreement. Any previous oral or written communications or understandings of the parties with respect to the subject matters hereof are null and void and pre-empted by this Agreement.

(e) **Amendments.** Any amendments to this Agreement shall be deemed enforceable only if in writing, approved by the Board of County Commissioners and the City Commission, and signed by the parties hereto.

(f) **Waivers.** No waiver of any provision of this Agreement shall be effective unless in writing and signed by the party against whom it is asserted. A waiver shall be applicable only to the specified instance to which it relates and shall not be deemed a continuing or future waiver unless expressly deemed otherwise in writing.

(g) **Notices.** All notices required to be given hereunder shall be in writing and shall be deemed given and received in the following circumstances: (1) when personally delivered by hand; (2) three business days after being deposited in the United States Mail, postage prepaid, certified

or registered; (3) the next business day after being deposited with a recognized overnight mail courier delivery service; (4) when sent by electronic mail; or (5) when transmitted by facsimile or telecopy transmission, with receipt acknowledged upon transmission. All notices hereunder shall be addressed as follows (or to such other official or as such other address, of which either party hereto shall subsequently give written notice as provided herein):

If to the County: Director
Orange County Public Works Department
4200 S. John Young Parkway
Orlando, Florida 32839-9205
Phone: (407) 836-7900
Telecopy: (407) 836-7716

With a copy to: County Administrator
Post Office Box 1393
Orlando, Florida 32802-1393
Phone: (407) 836-7370
Telecopy: (407) 836-7399

If to the City: Craig Shadrix
City Manager City of Ocoee
1 North Bluford Avenue
Ocoee, Florida 34761
Phone: (407) 905-3111
Telecopy: (407) 905-3118

With a copy to: Richard Geller
City Attorney
Fishback Dominick
1947 Lee Road
Winter Park, Florida 32789
Phone: (407) 262-8400

In all cases, notices shall be deemed delivered to a party only upon delivery of copies to the persons indicated above in the same manner as for the party being notified. Either party may change its address or official for notice purposes by giving the other party notice as provided herein.

(h) **Ambiguities.** Both parties have been allowed equal input regarding the terms and wording of this Agreement and have had the benefit of consultation with their respective legal counsel prior to its execution, such that all language and wording herein shall be construed equally for and against the parties.

(i) **Headings.** The headings or captions of sections or subsections used in this Agreement are merely for the convenience of the parties for reference only and are not intended to define or limit their contents, and are not intended to affect the construction of or to be taken into consideration in interpreting this Agreement.

(j) **Indemnification.** Each party agrees to defend, indemnify, and hold harmless the other party, its officials, and employees from all claims, actions, losses, suits, judgments, fines, liabilities, costs, and expenses (including attorney's fees) attributable to its negligent acts or omissions, or those of its officials and employees acting within the scope of their employment, or arising out of or resulting from the indemnifying party's negligent performance under this agreement. Nothing contained herein shall constitute a waiver of sovereign immunity or of the provisions of Section 768.28, Florida Statutes. The foregoing shall not constitute an agreement by either party to assume any liability for the acts, omissions, and/or negligence of the other party.

IN WITNESS WHEREOF, County and City have executed this Agreement as of the dates written below.



ORANGE COUNTY, FLORIDA

By: Board of County Commissioners

By: Jeremy L. Demings
Jeremy L. Demings
Orange County Mayor

Date: 17 December, 2024

ATTEST: Phil Diamond, CPA, County
Comptroller, as Clerk of the Board of County
Commissioners

By: Jennifer Lara-Klimetz
Deputy Clerk

Print Name: Jennifer Lara-Klimetz

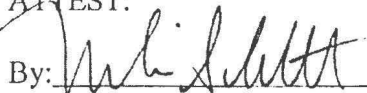
CITY OF OCOEE, FLORIDA

By: City Commission

By: 
Rusty Johnson, Mayor


Date: November 19, 2024

ATTEST:

By: 
Melanie Sibbitt, City Clerk

Print Name: Melanie Sibbitt

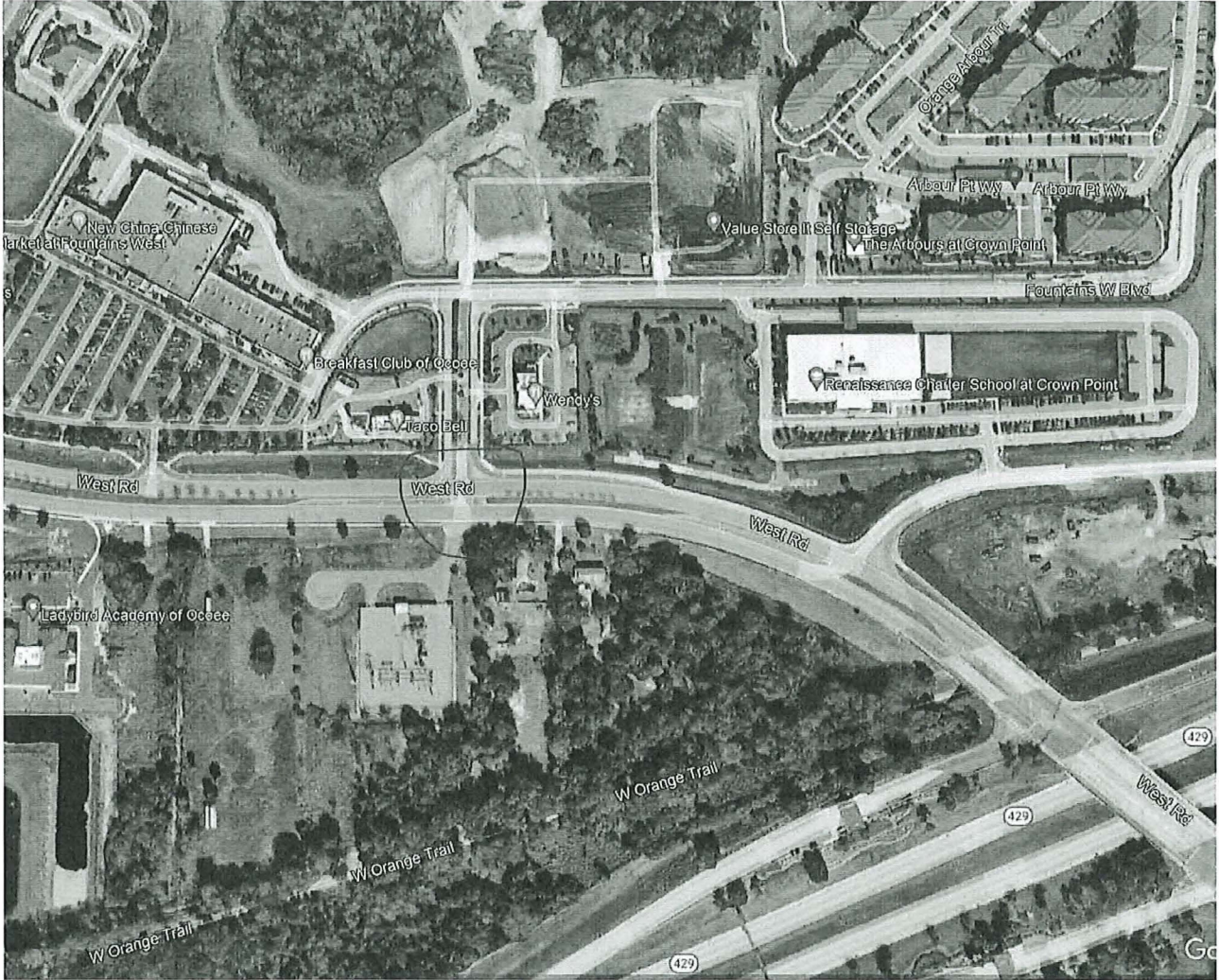
FOR THE USE AND RELIANCE
ONLY OF THE CITY OF OCOEE, FLORIDA:
APPROVED AS TO FORM AND LEGALITY
this 19th day of November, 2024

By: 
Richard Geller, City Attorney

APPROVED BY THE OCOEE
CITY COMMISSION AT A MEETING
HELD ON November 19, 2024
UNDER AGENDA ITEM NO. 2

Appendix "A"

General Depiction of Intersection



Appendix “B”

General Description of Intersection Project

Orange County Traffic Engineering requires professional engineering services from VHB, Inc to provide construction plans for a new signal at the intersection of Clarcona Ocoee Road and Fountains W Boulevard.

All work performed under this task shall comply with the most recent edition of the Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD) and the most recent edition of the Florida Department of Transportation (FDOT) Design Standards, and Traffic Engineering Manual (TEM). Specific tasks may include, but are not limited to, the following:

1.0 Engineering Services

Roadway

ADA Ramps will be modified to include crosswalks across Clarcona Ocoee Road that currently do not exist.

Roadway plans to include but not be limited to:

- Typical section
- Roadway Plan Sheets
- Roadway Cross sections
- Temporary Traffic Control Plans
- Utility Verification Sheets

Traffic Signal and Interconnect Design

Includes the design and preparation of construction plans for the addition of four mast arm signals (one per approach), as well as specifications and an engineer’s estimate of construction costs. The signal will be connected to Orange County’s network via fiber interconnect to the signalized intersection of Ocoee Apopka Road and Clarcona Ocoee Road.

a. Traffic Signal Design shall include the following:

- I. Structural Engineering - VHB will provide structural engineering services for five proposed mast arm designs. The services are limited to analyzing the loading to determine compliance with the FDOT standard mast arm assemblies and to provide special drilled shaft foundation designs should the standard loading be exceeded, or should geotechnical recommendations not meet minimum standard FDOT criteria. VHB will communicate with Nadic, the geotechnical engineer, to determine the appropriate soil characteristics for use in the foundation design calculations.

Utility Coordination

VHB will contract with ECHO UES, Inc (ECHO) to provide professional utility coordination services for both locations. The scope shall include initial contact, follow up contact, utility design meeting and project documentation to confirm no conflicts or utility relocations.

Environmental

VHB will prepare and submit a Request for Verification of an Exemption (Form 62-330.050) to the St Johns River Water Management District (SJRWMD). Due to the nature of the work, the project is anticipated to be exempt under FAC 62-330.051(4)(c) Minor roadway safety construction, alteration, maintenance, and operation. VHB assumes there will be no additional impervious area, no additional travel lanes, no work in wetlands and no reduction in capacity to the existing drainage system. VHB, will also respond to one RFI from SJRWMD.

Signing and Pavement Markings

VHB will prepare signing and pavement marking plans for the proposed roadway improvements.

Lighting

VHB will prepare the photometrics and coordinate with the power company, Duke Energy, for the installation of any additional lighting necessary to meet the required light levels for the new signalized intersection at Fountains W Blvd.

Survey and Subsurface Utility Engineering (SUE)

VHB will contract with ECHO UES, Inc (ECHO) to provide professional surveying and SUE services.

Survey services to include:

- Identification and marking of existing utilities.
- Verification of utility location and characteristics.
- SUE services will be completed at the proposed mast arm locations at Fountains W Blvd. The purpose of the SUE work is to locate and identify conflicts between the proposed foundation and existing underground utilities. VHB will provide an alternate location, should conflicts be found during the process until a clear hole is located; if conflicts are unavoidable due to the density of underground utilities, VHB will communicate with the utility companies for a feasible conflict resolution.

Geotechnical Engineering

VHB will contract with Nadic Engineering Services, Inc. (Nadic) to explore subsurface conditions for the proposed improvements. The geotechnical engineer will conduct the soil borings at the proposed mast arm pole foundations at Fountains W Blvd. Once the soil is analyzed, the subconsultant will provide a soils report for the project. The subconsultant's report will characterize the subsurface soil conditions which will then be used to compare with FDOT standard design soil conditions. Sub-standard soil conditions will require a special foundation design. The subconsultant will provide foundation design and construction recommendations based on the properties encountered.

2.0 Contract Documents

Final Engineering Plans

VHB will develop the engineering design plans detailing the improvements to Clarcona Ocoee Road at Fountains W Blvd. The contract documents will provide roadway, signalization, signing and pavement markings, utility adjustment sheets (if necessary), and maintenance of traffic plans for the proposed improvements.

The design plans will be prepared on 11" x 17" half size sheets.

Deliverables:

- 30% Plans Submittal
- 75% Plans Submittal
- 90% Plans Submittal
- Final Signed and Sealed Plans Submittal

SCHEDULE

VHB will begin performance of the above services on the date written authorization to proceed is received.

VHB will complete the tasks described above and provide final contract documents within 6 months of notice to proceed.

Appendix "C"

Good Faith Estimate and Itemization of Intersection Project Costs

CLARCONA OCOEE RD
SIGNAL IMPROVEMENTS
CONTRACT: Y21-908B
DISTRICT NO: 2

90% PHASE
COST ESTIMATE

FOUNTAINS WEST BLVD - SIGNAL

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST*	COST
101-1	MOBILIZATION	LS	1	10%	\$ 57,123.92
102-1	MAINTENANCE OF TRAFFIC	LS	1	10%	\$ 57,123.92
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	110	\$ 17.31	\$ 1,904.10
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	525	\$ 37.92	\$ 19,908.00
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	20	\$ 41.19	\$ 823.80
632-7-1	SIGNAL CABLE- NEW INTERSECTION, FURNISH & INSTALL	PI	1	\$ 10,374.78	\$ 10,374.78
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS	LF	0	\$ 4.32	\$ -
633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND, 49-96 FIBERS	LF	0	\$ 4.53	\$ -
633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	0	\$ 54.65	\$ -
633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	0	\$ 1,437.15	\$ -
633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	0	\$ 60.57	\$ -
633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	0	\$ 1,756.34	\$ -
635-2-11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA	15	\$ 1,591.53	\$ 23,872.95
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	0	\$ 2,798.53	\$ -
635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	0	\$ 5,507.79	\$ -
639-1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1	\$ 5,216.64	\$ 5,216.64
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	430	\$ 15.45	\$ 6,643.50
639-3-11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1	\$ 2,182.25	\$ 2,182.25
641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-11 SERVICE POLE	EA	2	\$ 2,291.31	\$ 4,582.62
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	3	\$ 2,782.18	\$ 8,346.54
646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	1	\$ 2,066.29	\$ 2,066.29
649-21-2	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 30'-30'	EA	0	\$ 132,994.34	\$ -
649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	2	\$ 73,138.15	\$ 146,276.30
649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1	\$ 81,538.98	\$ 81,538.98
649-21-10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1	\$ 91,722.28	\$ 91,722.28
650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	8	\$ 1,787.44	\$ 14,299.52
650-1-16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2	\$ 2,155.21	\$ 4,310.42
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	4	\$ 1,095.24	\$ 4,380.96
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAY	AS	1	\$ 2,019.69	\$ 2,019.69
654-9-10	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, FURNISH & INSTALL COMPLETE ASSEMBLY	AS	0	\$ 2,101.61	\$ -
660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	\$ 15,946.71	\$ 15,946.71
660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	4	\$ 7,078.46	\$ 28,313.84
663-1-111	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS	EA	1	\$ 8,692.52	\$ 8,692.52
663-1-112	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR	EA	2	\$ 2,546.30	\$ 5,092.60
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	6	\$ 468.00	\$ 2,808.00
670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	0	\$ 46,752.42	\$ -
670-5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1	\$ 41,875.72	\$ 41,875.72
682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1	\$ 7,922.55	\$ 7,922.55
684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1	\$ 5,456.11	\$ 5,456.11
685-1-13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	1	\$ 11,565.39	\$ 11,565.39
700-1-111	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, LESS THAN 12 SF	EA	2	\$ 532.65	\$ 1,065.30
700-1-112	SINGLE COLUMN GROUND SIGN ASSEMBLY, F&I GROUND MOUNT, 12.0-20.0 SF	EA	0	\$ 1,080.00	\$ -
700-1-600	SINGLE COLUMN GROUND SIGN ASSEMBLY, REMOVE	EA	2	\$ 52.54	\$ 105.08
700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	0	\$ 1,013.21	\$ -
700-5-21	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	0	\$ 4,934.34	\$ -
700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	0	\$ 5,499.96	\$ -
705-11-1	DELINEATOR, FLEXIBLE TUBULAR	EA	0	\$ 112.62	\$ -
706-1-3	RAISED PAVEMENT MARKER, TYPE B	EA	22	\$ 4.79	\$ 105.38
710-90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS	0	\$ 35,474.52	\$ -
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	455	\$ 3.80	\$ 1,729.00
711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF	0	\$ 5.27	\$ -
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	114	\$ 6.86	\$ 782.04
711-11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.016	\$ 2,882.34	\$ 46.40
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	2	\$ 91.08	\$ 182.16
711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON	LF	0	\$ 5.59	\$ -
711-11-241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE / 6-10 DOTTED EXTENSION LINE, 6"	GM	0.000	\$ 3,259.85	\$ -
711-14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK	LF	390	\$ 17.31	\$ 6,750.90
711-14-160	THERMOPLASTIC, PREFORMED, WHITE, MESSAGE	EA	3	\$ 326.31	\$ 978.93
711-14-170	THERMOPLASTIC, PREFORMED, WHITE, ARROW	EA	3	\$ 183.35	\$ 550.05
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.081	\$ 5,701.93	\$ 464.36
711-16-102	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"	GM	0.000	\$ 7,316.19	\$ -
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.040	\$ 5,738.01	\$ 228.22
711-17-1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	55	\$ 1.97	\$ 108.35
TOTAL					\$ 685,487.08

*UNIT COST ARE BASED ON FDOT AVERAGE ITEM UNIT COST FROM 2023/02/01 TO 2024/01/31

Good Faith Estimate and Itemization of Intersection Project Costs (cont.)

CLARCONA OCOEE RD
SIGNAL IMPROVEMENTS
CONTRACT: Y21-908B
DISTRICT NO: 2

90% PHASE
COST ESTIMATE

FOUNTAINS WEST BLVD - ROADWAY

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST*	COST
101-1	MOBILIZATION	LS	1	10%	\$ 10,220.81
102-1	MAINTENANCE OF TRAFFIC	LS	1	10%	\$ 10,220.81
104-18	INLET PROTECTION SYSTEM	EA	3	\$ 193.73	\$ 581.19
107-1	LITTER REMOVAL	AC	0.096	\$ 48.24	\$ 4.63
107-2	MOWING	AC	0.096	\$ 67.32	\$ 6.46
110-1-1	CLEARING & GRUBBING	AC	0.162	\$ 55,666.47	\$ 9,017.97
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	198	\$ 39.41	\$ 7,803.18
120-1	REGULAR EXCAVATION	CY	247	\$ 13.37	\$ 3,299.45
120-6	EMBANKMENT	CY	508	\$ 23.33	\$ 11,842.31
160-4	TYPE B STABILIZATION	SY	393	\$ 7.31	\$ 2,876.27
285-709	OPTIONAL BASE, BASE GROUP 09	SY	331	\$ 41.78	\$ 13,846.31
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	36	\$ 159.89	\$ 5,829.59
337-7-81	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC B, FC-12.5, PG 76-22	TN	27	\$ 171.53	\$ 4,689.63
425-1351	INLETS, CURB, TYPE P-5, <10'	EA	1	\$ 8,712.08	\$ 8,712.08
430-175-1	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	LF	4	\$ 142.83	\$ 571.32
520-1-7	CONCRETE CURB & GUTTER, TYPE E	LF	277	\$ 40.59	\$ 11,249.92
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	214	\$ 46.48	\$ 9,940.68
520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	0	\$ 170.99	\$ -
522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	0	\$ 73.12	\$ -
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	82	\$ 97.37	\$ 7,998.95
527-2	DETECTABLE WARNINGS	SY	51	\$ 42.62	\$ 2,185.13
570-1-2	PERFORMANCE TURF, SOD	SY	403	\$ 4.35	\$ 1,753.05
TOTAL					\$ 122,649.73

*UNIT COST ARE BASED ON FDOT AVERAGE ITEM UNIT COST FROM 2023/02/01 TO 2024/01/31