

Resolution No. 3093

A Resolution of the City of Sanford, Florida, amending the City's annual operating budget for the fiscal year beginning October 1, 2022 and ending September 30, 2023 for the purchase of electrical services from Chinchor Electric, Inc.; providing for implementing administrative actions; providing for a savings provision; providing for conflicts; providing for severability and providing for an effective date.

Whereas, the Commission of the City of Sanford, Florida has adopted an annual operating budget for the fiscal year beginning October 1, 2022 and terminating on September 30, 2023 specifying certain projected revenues and expenditures for the operations of Sanford municipal government; and

Whereas, the City's budget presumes that each department generally will, to the best of their ability, maintain its expenditures within its allocated budgeted level and exercise prudence in expending funds during the course of the City's fiscal year; and

Whereas, from time-to-time circumstances and events may require that the original City budget may need revision such as for the purchase of electrical services for the Sanford Municipal Cemetery from Chinchor Electric, Inc.; and

Whereas, the City Commission, in its judgment and discretion, has the authority to adjust the budget to more closely coincide with actual and expected events.

Now, therefore, be it adopted and resolved by the City Commission of the City of Sanford, Florida as follows:

Section 1. Adoption of Budget Amendment; Chinchor Electric, Inc.

The annual operating budget of the City of Sanford for the fiscal year beginning October 1, 2022 and terminating on September 30, 2023 is hereby revised and

amended by Attachment "A" that relates to the purchase of electrical services from Chinchor Electric, Inc. The Attachment is hereby incorporated into this Resolution as if fully set forth herein verbatim. Except as amended herein, the annual operating budget for the City of Sanford for fiscal year beginning October 1, 2022 and terminating on September 30, 2023 shall remain in full force and effect.

Section 2. Implementing administrative actions.

The City Manager, or designee, is hereby authorized and directed to implement the provisions of this Resolution by means of such administrative actions as may be deemed necessary and appropriate in order to procure the purchase of electrical services from Chinchor Electric, Inc.

Section 3. Savings.

The prior actions of the City of Sanford relating to the adoption of the City budget and related activities are hereby ratified and affirmed.

Section 4. Conflicts.

All resolutions or parts of resolutions in conflict with this Resolution are hereby repealed.

Section 5. Severability.

If any section, sentence, phrase, word, or portion of this Resolution is determined to be invalid, unlawful or unconstitutional, said determination shall not be held to invalidate or impair the validity, force or effect of any other section, sentence, phrase, word, or portion of this Resolution not otherwise determined to be invalid, unlawful, or unconstitutional.


Section 6. Effective Date.

This Resolution shall become effective immediately upon enactment.


Passed and adopted this 12th day of December 2022.

Attest:

**City Commission of the City of
Sanford**


Traci Houchin, MMC, FCRM
City Clerk




Art Woodruff
Mayor

For use and reliance of the Sanford
City Commission only.
Approved as to form and legality.


William Colbert, City Attorney

REQUEST FOR BUDGET AMENDMENT

Fiscal Year 2023

Department: Parks and Recreation

Division: Parks & Grounds

Date: 11/29/2022

CHANGES IN REVENUES

REVENUE ACCOUNT NUMBER					Current Budget	Current Unrealized (Budget)	Amount of Change	Adjusted Unrealized	
Fund	Revenue	Act Cd	Ele	Project #	Revenue Account Title				
630	0000	381	01	00	Transfer from General Fund	\$ 38,936	\$ 38,936	\$ 20,426	\$ 59,362
001	0000	389	98	00	Use of Reserves	155,866	155,866	20,426	176,292
TOTAL CHANGES IN REVENUES								\$ 40,852	

CHANGES IN EXPENDITURES

EXPENDITURE ACCOUNT NUMBER					Current Budget	Current Balance	Amount of Change	Remaining Balance		
Fund	Dpt/Div	Activity	Obj	Ele	Project #	Expenditure Account Title				
630	5508	572	46	00		Repair & Maintenance	\$ 152,378	\$ (12,550)	\$ 20,426	\$ 7,876
001	7979	581	91	63		Transfer to Cemetery Fund	38,936	38,936	20,426	59,362
TOTAL CHANGES IN EXPENDITURES								\$ 40,852		

REASON FOR AMENDMENT: New power line for the Cemetery

DIRECTOR APPROVAL: *K. Beal* Nov 29, 2022 *Lisa Jones* Nov 29, 2022
Robert Beal (Nov 29, 2022 2:05:53) Lisa Jones (Nov 29, 2022 14:03:53)

FINANCE APPROVAL: *Cynthia Lindsay* DATE: 11/29/22

CITY MANAGER APPROVAL: *[Signature]* DATE: 12/7/2022

CITY COMMISSION AGENDA DATE: 12.12.22 APPROVED? Y

FOR FINANCE USE

Entry Date: 12/20/2022
S. Posey

Batch Number: B# 1072

Document #: BA 03-100

Res# 3093
 CCM# 22-292

Chinchor Electric Inc. Piggyback Contract (PBA 20/21-28)

The City of Sanford ("City") enters this "Piggyback" Contract with Chinchor Electric Inc., a Florida corporation (hereinafter referred to as the "Vendor"), whose address is 1440 South Leavitt Avenue, Orange City, Florida 32763, under the terms and conditions hereinafter provided. The City and the Vendor agree as follows:

(1). The Purchasing Policy for the City of Sanford allows for "piggybacking" contracts. Pursuant to this procedure, the City is allowed to piggyback an existing government contract, and there is no need to obtain formal or informal quotations, proposals or bids. The parties agree that the Vendor has entered a contract with the Seminole County, said contract being identified as "Term Contract For Traffic Signal Construction And System Communication Equipment" relating to "IFB-603865-20/CAR", in order for the Vendor to provide products and services relative to traffic signal construction and system communication equipment (said original contract being referred to as the "original government contract").

(2). The original government contract documents are incorporated herein by reference and is attached as Exhibit "A" to this contract. All of the terms and conditions set out in the original government contract are fully binding on the parties and said terms and conditions are incorporated herein; provided, however, that the City will negotiate and enter work orders/purchase orders with the Vendor in accordance with City policies and procedures for particular goods and services.

(3). Notwithstanding the requirement that the original government contract is fully binding on the parties, the parties have agreed to modify certain technical

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(3). Notwithstanding the requirement that the original government contract is fully binding on the parties, the parties have agreed to modify certain technical

provisions of the original government contract as applied to this Contract between the Vendor and the City, as follows:

(a). Time Period ("Term") of this Contract: (state N/A if this is not applicable). N/A.

(b). Insurance Requirements of this Contract: (state N/A if this is not applicable). N/A.

(c). Any other provisions of the original government contract that will be modified: (state N/A if this is not applicable). N/A.

(d). Address change for the City: Notwithstanding the address and contact information for the government entity as set out in the original government contract, the Vendor agrees that he/she/it shall send notices, invoices and shall conduct all business with the City to the attention of City Manager, at: City of Sanford, 300 North Park Avenue; Sanford, Florida 32771. The City Manager's designated representative for this Contract is Marisol Ordonez, Purchasing Manager, Finance-Purchasing Division, 300 North Park Avenue; Sanford, Florida 32771, telephone number (407) 688-5028 and whose e-mail address is Marisol.ordonez@sanfordfl.gov.

(e). Notwithstanding anything in the original government contract to the contrary, the venue of any dispute will be in Seminole County, Florida. Litigation between the parties arising out of this Contract shall be in Seminole County, Florida in the Court of appropriate jurisdiction. The law of Florida shall control any dispute between the parties arising out of or related to this Contract, the performance thereof or any products or services delivered pursuant to such Contract.

(f). Notwithstanding any other provision in the original government contract to the contrary, there shall be no arbitration with respect to any dispute between the parties arising out of this Contract. Dispute resolution shall be through voluntary and non-binding mediation, negotiation or litigation in the court of appropriate jurisdiction in Seminole County, Florida, with the parties bearing the costs of their own legal fees with respect to any dispute resolution, including litigation.

(g). Notwithstanding any other provision in the original government contract to the contrary, the Vendor shall provide the City with most favored nation pricing

(h). All the services to be provided or performed shall be in conformance with commonly accepted industry and professional codes and standards, standards of the City, and the laws of any Federal, State or local regulatory agency.

(i).

(I). IF THE CONTRACTOR/VENDOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S (VENDOR'S) DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (407) 688-5012, TRACI HOUCHIN, CITY CLERK, , MMC, FCRM, CITY OF SANFORD, CITY HALL, 300 NORTH PARK AVENUE, SANFORD, FLORIDA 32771, TRACI.HOUCHIN@SANFORDFL.GOV.

(II). In order to comply with Section 119.0701, *Florida Statutes*, public records laws, the Vendor must:

(A). Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the service.

(B). Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Chapter 119, *Florida Statutes*, or as otherwise provided by law.

(C). Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

(D). Meet all requirements for retaining public records and transfer, at no cost, to the City all public records in possession of the Vendor upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City.


(III). If the Vendor does not comply with a public records request, the City shall enforce the contract provisions in accordance with this Agreement.

(IV). Failure by the Vendor to grant such public access and comply with public records requests shall be grounds for immediate unilateral cancellation of this Agreement by the City. The Vendor shall promptly provide the City with a copy of any request to inspect or copy public records in possession of the Vendor and shall promptly provide the City with a copy of the Vendor's response to each such request.


(j). All other provisions in the original government contract are fully binding on the parties and will represent the agreement between the City and the Vendor.

Entered this 25th day of February, 2021.


Attest:


Marian Anselmo
Secretary

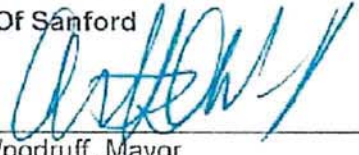
Chinchor Electric Inc., a Florida corporation.

By: 
Timothy J. Chinchor
President
Date: 2/11/2021

Attest:


Traci Houchin, MMC, FCRM, City Clerk
Cathy Lotempio, Deputy City Clerk
Approved as to form and legal sufficiency.

City Of Sanford

By: 
Art Woodruff, Mayor
Date: 2-25-21



William L. Colbert City Attorney
LONNIE N. GROOT
ALA



Exhibit "A"

[Attach original government contract]

**TERM CONTRACT FOR TRAFFIC SIGNAL CONSTRUCTION
AND SYSTEM COMMUNICATION EQUIPMENT
(IFB-603865-20/CAR)**

THIS AGREEMENT is dated as of the 30th day of SEPTEMBER 20 00, by and between **CHINCHOR ELECTRIC, INC.**, duly authorized to conduct business in the State of Florida, whose address is 1460 S. Leavitt Avenue, Orange City, Florida 32763, in this Agreement referred to as "CONTRACTOR", and **SEMINOLE COUNTY**, a charter county and political subdivision of the State of Florida, whose address is Seminole County Services Building, 1101 E. 1st Street, Sanford, Florida 32771, in this Agreement referred to as "COUNTY".

WITNESSETH:

WHEREAS, COUNTY desires to retain the services of a competent and qualified contractor to provide traffic signal construction and system communication equipment to Seminole County; and

WHEREAS, COUNTY has requested and received expressions of interest for the retention of services of contractors; and

WHEREAS, CONTRACTOR is competent and qualified to provide services and materials to COUNTY and desires to provide materials and services according to the terms and conditions stated in this Agreement,

NOW, THEREFORE, in consideration of the mutual understandings and covenants set forth in this Agreement, COUNTY and CONTRACTOR agree as follows:

Section 1. Materials and Services. COUNTY hereby retains CONTRACTOR to provide materials and services as further described in the Scope of Services attached as Exhibit A and made a part of this Agreement. CONTRACTOR is also bound by all requirements as contained in the solicitation package, all addenda to this package, and CONTRACTOR's submission in response to



this solicitation. Required materials and services will be specifically enumerated, described, and depicted in the Purchase Orders authorizing purchase of specific materials and services. This Agreement standing alone does not authorize the purchase of materials and services or require COUNTY to place any orders for work.

Section 2. Term. This Agreement takes effect on the date of its execution by COUNTY and continues for a period of three (3) years. At the sole option of COUNTY, this Agreement may be renewed for two (2) successive periods not to exceed one (1) year each. Expiration of the term of this Agreement will have no effect upon Purchase Orders issued pursuant to this Agreement and prior to the expiration date. Obligations entered by both parties under such Purchase Orders will remain in effect until delivery and acceptance of the materials authorized by the respective Purchase Order. The first three (3) months of the initial term are considered probationary. During the probationary period, COUNTY may immediately terminate this Agreement at any time, with or without cause, upon written notice to CONTRACTOR.

Section 3. Authorization for Materials and Services. Authorization for provision of materials and services by CONTRACTOR under this Agreement must be in the form of written Purchase Orders issued and executed by COUNTY. A sample Purchase Order is attached as Exhibit B. Each Purchase Order will describe the materials and services required, state the dates for delivery of materials and services, and establish the amount and method of payment. The Purchase Orders must be issued under and incorporate the terms of this Agreement. COUNTY makes no covenant or promise as to the number of available Purchase Orders or that CONTRACTOR will perform any Purchase Order for COUNTY during the life of this Agreement. COUNTY reserves the right to contract with other parties for the services contemplated by this Agreement when it is determined by COUNTY to be in the best interest of COUNTY to do so.

Section 4. Time for Completion. The materials and services to be provided by CONTRACTOR will be delivered, as specified in such Purchase Orders as may be issued under this Agreement, within the time specified in the Purchase Order.

Section 5. Compensation. COUNTY shall compensate CONTRACTOR for the materials and services provided for under this Agreement on a Fixed Fee basis at the rates as outlined in Exhibit C. When a Purchase Order is issued on a Fixed Fee basis, then the applicable Purchase Order Fixed Fee amount will include any and all reimbursable expenses and will be based on the unit pricing attached to this Agreement, or as reduced in the quoting process leading to specific Purchase Orders.

Section 6. Payment and Billing.

(a) CONTRACTOR shall supply all materials and services required by the Purchase Order, but in no event will CONTRACTOR be paid more than the negotiated Fixed Fee amount stated within each Purchase Order.

(b) For Purchase Orders issued on a Fixed Fee basis, CONTRACTOR may invoice the amount due based on the percentage of total Purchase Order materials and services actually provided, but in no event may the invoice amount exceed a percentage of the Fixed Fee amount equal to a percentage of the total services actually completed.

(c) COUNTY shall make payments to CONTRACTOR when requested as materials and services are provided, but not more than once monthly. Each Purchase Order must be invoiced separately. At the close of each calendar month, CONTRACTOR shall render to COUNTY an itemized invoice, properly dated, describing any materials and services provided, the cost of the materials and services provided, the name and address of CONTRACTOR, Purchase Order Number, Contract Number, and any other information required by this Agreement.

(d) The original invoice must be sent to:

Director of County Comptroller's Office
Seminole County Board of County Commissioners
Post Office Box 8080
Sanford, FL 32772-8080

A copy of the invoice must be sent to:

Seminole County Traffic Engineering Division
140 Bush Loop
Sanford, FL 32773

(e) Upon review and approval of CONTRACTOR's invoice, COUNTY shall pay CONTRACTOR the approved amount in accordance with the terms as set forth in Chapter 218, Part VII, Florida Statutes.

Section 7. General Terms of Payment and Billing.

(a) Upon satisfactory delivery of materials and services required under this Agreement and upon acceptance of the materials and services by COUNTY, CONTRACTOR may invoice COUNTY for the full amount of compensation provided for under the terms of this Agreement less any amount already paid by COUNTY. Upon review and approval of CONTRACTOR's invoice, COUNTY will, in accordance with the terms as set forth in Chapter 218, Part VII, Florida Statutes, pay CONTRACTOR the approved amount.

(b) COUNTY may perform or have performed an audit of the records of CONTRACTOR at any time during the term of this Agreement and after final payment to support final payment under this Agreement. Audits may be performed at a time mutually agreeable to CONTRACTOR and COUNTY. Total compensation to CONTRACTOR may be determined subsequent to an audit as provided for in this Section and the total compensation so determined will be used to calculate final payment to CONTRACTOR. Performance of this audit will not delay final payment as provided by subsection (a) of this Section.

(c) CONTRACTOR shall maintain all books, documents, papers, accounting records, and other evidence pertaining to materials and services provided under this Agreement in such a manner as will readily conform to the terms of this Agreement. CONTRACTOR shall make such materials available at CONTRACTOR's office at all reasonable times during the term of this Agreement and for five (5) years from the date of final payment under the contract for audit or inspection as provided for in subsection (b) of this Section.

(d) In the event any audit or inspection conducted after final payment but within the period provided in paragraph (c) of this Section reveals any overpayment by COUNTY under the terms of the Agreement, CONTRACTOR shall refund such overpayment to COUNTY within thirty (30) days of notice by COUNTY.

Section 8. No Waiver by Forbearance. COUNTY's review of, approval and acceptance of, or payment for the materials or services required under this Agreement does not operate as a waiver of any rights under this Agreement, or of any cause of action arising out of the performance of this Agreement. CONTRACTOR is and will always remain liable to COUNTY in accordance with applicable law for any and all damages to COUNTY caused by CONTRACTOR's negligent or wrongful provision of any of the materials or services provided under this Agreement.

Section 9. Termination.

(a) COUNTY may, by written notice to CONTRACTOR, terminate this Agreement or any Purchase Order issued under this Agreement, in whole or in part, at any time, either for COUNTY's convenience or because of the failure of CONTRACTOR to fulfill its obligations under this Agreement. Upon receipt of such notice, CONTRACTOR shall immediately discontinue all services affected, unless the notice directs otherwise, and deliver to COUNTY all data, drawings, specifications, reports, estimates, summaries, and any and all such other

information and materials of whatever type or nature as may have been accumulated by CONTRACTOR in performing this Agreement, whether completed or in process.

(b) If the termination is for the convenience of COUNTY, CONTRACTOR will be paid compensation for services performed to the date of termination.

(c) If the termination is due to the failure of CONTRACTOR to fulfill its obligations under this Agreement, COUNTY may take over the work and carry it to completion by other agreements or otherwise. In such case, CONTRACTOR will be liable to COUNTY for all reasonable additional costs associated with CONTRACTOR's failure to fulfill its obligations under this Agreement.

(d) CONTRACTOR will not be liable for such additional costs if the failure to perform the Agreement arises without any fault or negligence of CONTRACTOR, but CONTRACTOR will be responsible and liable for the actions by its subcontractors, agents, employees, persons, and entities of a similar type or nature. Matters beyond the fault or negligence of CONTRACTOR include acts of God or of the public enemy, acts of COUNTY in its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather, but in every case the failure to perform must be beyond the control and without any fault or negligence of CONTRACTOR.

(e) If after notice of termination for CONTRACTOR's failure to fulfill its obligations under this Agreement it is determined that CONTRACTOR had not so failed, the termination will be conclusively deemed to have been effected for the convenience of COUNTY. In such event, adjustment in the Agreement price will be made as provided in subsection (b) of this Section.

(f) The rights and remedies of COUNTY provided for in this Section are in addition and supplemental to any and all other rights and remedies provided by law or under this Agreement.

Section 10. Conflict with Contract Documents. Wherever the terms of this Agreement conflict with any Purchase Order issued pursuant to it or any other contract documents, including proposals submitted by CONTRACTOR, this Agreement will prevail. For the avoidance of doubt, proposals and any other documents submitted by CONTRACTOR are not incorporated into this Agreement, unless expressly stated otherwise.

Section 11. Equal Opportunity Employment. CONTRACTOR shall not discriminate against any employee or applicant for employment for work under this Agreement because of race, color, religion, sex, age, disability, or national origin. CONTRACTOR shall take steps to ensure that applicants are employed and employees are treated during employment without regard to race, color, religion, sex, age, disability, or national origin. This provision includes, but is not limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship.

Section 12. No Contingent Fees. CONTRACTOR warrants that it has not employed or retained any company or person other than a bona fide employee working solely for CONTRACTOR to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for CONTRACTOR, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from award or making of this Agreement. For the breach or violation of this provision, COUNTY will have the right to terminate the Agreement at its sole discretion without liability and to deduct from the Agreement price or otherwise recover the full amount of such fee, commission, percentage, gift, or consideration.

Section 13. Conflict of Interest.

(a) CONTRACTOR shall not engage in any action that would create a conflict of interest in the performance of its obligations pursuant to this Agreement with COUNTY or violate or cause others to violate the provisions of Chapter 112, Part III, Florida Statutes, relating to ethics in government.

(b) CONTRACTOR hereby certifies that no officer, agent, or employee of COUNTY has any material interest (as defined in Section 112.312(15), Florida Statutes, as over 5%), either directly or indirectly, in the business of CONTRACTOR to be conducted under this Agreement and that no such person will have any such interest at any time during the term of this Agreement.

Section 14. Assignment. Neither this Agreement nor any interest in it may be assigned, transferred, or otherwise encumbered under any circumstances by either party without prior written consent of the other party and in such cases only by a document of equal dignity with this Agreement.

Section 15. Subcontractors. CONTRACTOR shall first secure the prior written approval of COUNTY before engaging or contracting for the services of any subcontractors under this Agreement. CONTRACTOR will remain fully responsible to COUNTY for the services of any subcontractors under this Agreement.

Section 16. Indemnification of COUNTY. To the fullest extent permitted by law, CONTRACTOR shall hold harmless, release, and indemnify COUNTY, its commissioners, officers, employees, and agents from any and all claims, losses, damages, costs, attorney fees, and lawsuits for damages arising from, allegedly arising from, or related to CONTRACTOR's provision of materials or services under this Agreement caused by CONTRACTOR's act or omission in the performance of this Agreement.

Section 17. Insurance.

(a) General. CONTRACTOR shall procure and maintain insurance required under this Section at CONTRACTOR's own cost.

(1) CONTRACTOR shall provide COUNTY with a Certificate of Insurance on a current ACORD Form signed by an authorized representative of the insurer evidencing the insurance required by this Section (Professional Liability, Workers' Compensation/Employer's Liability, Commercial General Liability, and Business Auto). **The Certificate must have the Agreement number for this Agreement clearly marked on its face.** COUNTY, its officials, officers, and employees must be named additional insureds under the Commercial General Liability, Umbrella Liability and Business Auto policies. If the policy provides for a blanket additional insured coverage, CONTRACTOR shall provide a copy of the section of the policy along with the Certificate of Insurance. If the coverage does not exist, the policy must be endorsed to include the named additional insureds as described in this subsection. The Certificate of Insurance must provide that COUNTY will be provided, by policy endorsement, not less than thirty (30) days written notice prior to the cancellation or non-renewal, or by a method acceptable to COUNTY. Until such time as the insurance is no longer required to be maintained by CONTRACTOR, CONTRACTOR shall provide COUNTY with a renewal or replacement Certificate of Insurance before expiration or replacement of the insurance for which a previous Certificate of Insurance has been provided.

(2) In addition to providing the Certificate of Insurance on a current ACORD Form, upon request as required by COUNTY, CONTRACTOR shall provide COUNTY with a certified copy of each of the policies of insurance providing the coverage required by this Section within thirty (30) days after receipt of the request. Certified copies of policies may only be provided by the insurer, not the agent or broker.

(3) Neither approval by COUNTY nor failure to disapprove the insurance provided by CONTRACTOR will relieve CONTRACTOR of its full responsibility for performance of any obligation, including its indemnification of COUNTY, under this Agreement.

(b) Insurance Company Requirements. Insurance companies providing the insurance under this Agreement must meet the following requirements:

(1) Companies issuing policies must be authorized to conduct business in the State of Florida and prove such authorization by maintaining Certificates of Authority or Letters of Eligibility issued to the companies by the Florida Office of Insurance Regulation. Alternatively, policies required by this Agreement for Workers' Compensation/Employer's Liability, may be those authorized as a group self-insurer by Section 624.4621, Florida Statutes.

(2) In addition, such companies must have and maintain, at a minimum, a Best's Rating of "A-" and a minimum Financial Size Category of "VII" according to A.M. Best Company.

(3) If, during the period that an insurance company is providing the insurance coverage required by this Agreement, an insurance company (i) loses its Certificate of Authority, or (ii) fails to maintain the requisite Best's Rating and Financial Size Category, the CONTRACTOR shall immediately notify COUNTY as soon as CONTRACTOR has knowledge of any such circumstance and immediately replace the insurance coverage provided by the insurance company with a different insurance company meeting the requirements of this Agreement. Until such time as CONTRACTOR has replaced the unacceptable insurer with an insurer acceptable to COUNTY, CONTRACTOR will be deemed to be in default of this Agreement.

(c) Specifications. Without limiting any of the other obligations or liability of CONTRACTOR, CONTRACTOR shall procure, maintain, and keep in force amounts and types of insurance conforming to the minimum requirements set forth in this subsection, at

CONTRACTOR's sole expense. Except as otherwise specified in this Agreement, the insurance will become effective upon execution of this Agreement by CONTRACTOR and must be maintained in force until the expiration of this Agreement's term or the expiration of all Orders issued under this Agreement, whichever comes last. Failure by CONTRACTOR to maintain this required insurance coverage within the stated period will constitute a material breach of this Agreement, for which COUNTY may immediately terminate this Agreement. The amounts and types of insurance must conform to the following minimum requirements:

(1) Workers' Compensation/Employer's Liability.

(A) CONTRACTOR's insurance must cover it for liability that would be covered by the latest edition of the standard Workers' Compensation policy as filed for use in Florida by the National Council on Compensation Insurance without restrictive endorsements. CONTRACTOR is also responsible for procuring proper proof of coverage from its subcontractors of every tier for liability that is a result of a Workers' Compensation injury to the subcontractor's employees. The minimum required limits to be provided by both CONTRACTOR and its subcontractors are outlined in subsection (C) below. In addition to coverage for the Florida Workers' Compensation Act, where appropriate, coverage must be included for the United States Longshoremen and Harbor Worker's Compensation Act, Federal Employee's Liability Act, and any other applicable Federal or State law.

(B) Subject to the restrictions of coverage found in the standard Workers' Compensation policy, there will be no maximum limit on the amount of coverage for liability imposed by the Florida Workers' Compensation Act, the United States Longshoremen's and Harbor Worker's Compensation Act, or any other coverage customarily insured under Part One of the standard Workers' Compensation policy.

(C) The minimum amount of coverage under Part Two of the standard Workers' Compensation policy is required to be the following:

\$500,000.00 (Each Accident)
\$500,000.00 (Disease-Policy Limit)
\$500,000.00 (Disease-Each Employee)

(2) Commercial General Liability.

(A) CONTRACTOR's insurance must cover it for those sources of liability that would be covered by the latest edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01), as filed for use in the State of Florida by the Insurance Services Office. Coverage must not contain any endorsements excluding or limiting Products/Completed Operations, Contractual Liability, or Separation of Insureds.

(B) CONTRACTOR shall maintain these minimum insurance limits:

General Aggregate	Two Times (2x) the Each Occurrence Limit
Personal & Advertising Injury Limit	\$1,000,000.00
Each Occurrence Limit	\$1,000,000.00
Pollution Liability	\$1,000,000.00

(3) Professional Liability Insurance. CONTRACTOR shall carry Professional Liability Insurance with limits of not less than One Million and No/100 Dollars (\$1,000,000.00).

(4) Business Auto Policy.

(A) CONTRACTOR's insurance must cover CONTRACTOR for those sources of liability which would be covered by Section II of the latest edition of the standard Business Auto Policy (ISO Form CA 00 01), as filed for use in the State of Florida by the Insurance Services Office. Coverage must include owned, non-owned, and hired autos or any auto used by CONTRACTOR. In the event CONTRACTOR does not own automobiles, CONTRACTOR shall maintain coverage for hired and non-owned auto liability for autos used by CONTRACTOR, which may be satisfied by way of endorsement to the Commercial General

Liability policy or separate Business Auto Liability policy. If the contract involves operations governed by Sections 29 or 30 of the Motor Carrier Act of 1980, endorsement MCS-90 is required.

(B) The minimum limits to be maintained by CONTRACTOR must be per-accident combined single limit for bodily injury liability and property damage liability.

(C) The minimum amount of coverage under the Business Auto Policy is required to be the following:

Combined Single Limit	\$1,000,000.00
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(d) Coverage. The insurance provided by CONTRACTOR pursuant to this Agreement must apply on a primary and non-contributory basis, and any other insurance or self-insurance maintained by COUNTY or COUNTY's officials, officers, or employees must be in excess of and not contributing to the insurance provided by or on behalf of CONTRACTOR.

(e) Occurrence Basis. The Workers' Compensation policy, the Commercial General Liability, and the Umbrella policy required by this Agreement must be provided on an occurrence rather than a claims-made basis. The Professional Liability insurance policy may be on an occurrence basis or claims-made basis. If a claims-made basis, the coverage must respond to all claims reported within three (3) years following the period for which coverage is required and which would have been covered had the coverage been on an occurrence basis.

(f) Obligations. Compliance with the foregoing insurance requirements will not relieve CONTRACTOR, its employees, or its agents of liability from any obligation under this Section or any other Section of this Agreement.

Section 18. Dispute Resolution.

(a) In the event of a dispute related to any performance or payment obligation arising under this Agreement, the parties shall exhaust COUNTY administrative dispute resolution procedures prior to filing a lawsuit or otherwise pursuing legal remedies. COUNTY administrative

dispute resolution procedures for proper invoice and payment disputes are set forth in Section 22.15, "Prompt Payment Procedures", Seminole County Administrative Code. COUNTY administrative dispute resolution procedures for contract claims related to this Agreement, other than for proper invoice and payment disputes, are set forth in Section 3.5540, "Contract Claims", Seminole County Administrative Code.

(b) In any lawsuit or legal proceeding arising under this Agreement, CONTRACTOR hereby waives any claim or defense based on facts or evidentiary materials that were not presented for consideration in COUNTY administrative dispute resolution procedures set forth in subsection (a) above of which CONTRACTOR had knowledge and failed to present during COUNTY administrative dispute resolution procedures.

(c) In the event that COUNTY administrative dispute resolution procedures are exhausted and a lawsuit or legal proceeding is filed, the parties shall exercise best efforts to resolve disputes through voluntary mediation and to select a mutually acceptable mediator. The parties participating in the voluntary mediation shall share the costs of mediation equally.

Section 19. Representatives of COUNTY and CONTRACTOR.

(a) It is recognized that questions in the day to day conduct of performance pursuant to this Agreement may arise. Upon request by CONTRACTOR, COUNTY shall designate and advise CONTRACTOR in writing of one or more of its employees to whom to address all communications pertaining to the day to day conduct of this Agreement. The designated representative will have the authority to transmit instructions, receive information, and interpret and define COUNTY's policy and decisions pertinent to the work covered by this Agreement.

(b) At all times during the normal work week, CONTRACTOR shall designate or appoint one or more representatives who are authorized to act on behalf of CONTRACTOR and bind CONTRACTOR regarding all matters involving the conduct of the performance pursuant to

this Agreement, and who will keep COUNTY continually and effectively advised of such designation.

Section 20. All Prior Agreements Superseded. This Agreement incorporates and includes all prior negotiations, correspondence, conversations, agreements, or understandings applicable to the matters contained in this Agreement and the parties agree that there are no commitments, agreements, or understandings concerning the subject matter of this Agreement that are not contained or referred to in this document. Accordingly, it is agreed that no deviation from the terms of this Agreement may be predicated upon any prior representations or agreements, whether oral or written.

Section 21. Modifications, Amendments, or Alterations. No modification, amendment, or alteration in the terms or conditions contained in this Agreement will be effective unless contained in a written amendment executed with the same formality and of equal dignity with this Agreement.

Section 22. Independent Contractor. Nothing in this Agreement is intended or may be construed as in any manner creating or establishing a relationship of co-partners between the parties, or as constituting CONTRACTOR (including its officers, employees, and agents) as an agent, representative, or employee of COUNTY for any purpose or in any manner whatsoever. CONTRACTOR is and will remain forever an independent contractor with respect to all services performed under this Agreement.

Section 23. Employee Status. Persons employed by CONTRACTOR in the performance of services and functions pursuant to this Agreement have no claim to pension, workers' compensation, unemployment compensation, civil service, or other employee rights or privileges granted to COUNTY's officers and employees, either by operation of law or by COUNTY.

Section 24. Services Not Provided For. No claim for services provided by CONTRACTOR not specifically provided for in this Agreement will be honored by COUNTY.

Section 25. Public Records Law.

(a) CONTRACTOR acknowledges COUNTY's obligations under Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, to release public records to members of the public upon request. CONTRACTOR acknowledges that COUNTY is required to comply with Article 1, Section 24, Florida Constitution and Chapter 119, Florida Statutes, in the handling of the materials created under this Agreement and this statute controls over the terms of this Agreement. Upon COUNTY's request, CONTRACTOR shall provide COUNTY with all requested public records in CONTRACTOR's possession, or shall allow COUNTY to inspect or copy the requested records within a reasonable time and at a cost that does not exceed costs as provided under Chapter 119, Florida Statutes.

(b) CONTRACTOR specifically acknowledges its obligations to comply with Section 119.0701, Florida Statutes, with regard to public records and shall perform the following:

(1) CONTRACTOR shall keep and maintain public records that ordinarily and necessarily would be required by COUNTY in order to perform the services required under this Agreement,

(2) CONTRACTOR shall provide the public with access to public records on the same terms and conditions that COUNTY would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(3) CONTRACTOR shall ensure public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law.

(c) Upon termination of this Agreement, CONTRACTOR shall transfer, at no cost to COUNTY, all public records in possession of CONTRACTOR, or keep and maintain public records required by COUNTY under this Agreement. If CONTRACTOR transfers all public records to COUNTY upon completion of this Agreement, CONTRACTOR shall destroy any duplicate public records that are exempt or confidential from public records disclosure requirements. If CONTRACTOR keeps and maintains the public records upon completion of this Agreement, CONTRACTOR shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to COUNTY, upon request of COUNTY, in a format that is compatible with the information technology systems of COUNTY.

(d) Failure to comply with this Section will be deemed a material breach of this Agreement for which COUNTY may terminate this Agreement immediately upon written notice to CONTRACTOR. CONTRACTOR may also be subject to statutory penalties as set forth in Section 119.10, Florida Statutes.

(e) IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTRACTOR MAY CONTACT THE CUSTODIAN OF PUBLIC RECORDS, THE SEMINOLE COUNTY PURCHASING AND CONTRACTS MANAGER, AT 407-665-7116, PURCH@SEMINOLECOUNTYFL.GOV, PURCHASING AND CONTRACTS DIVISION, 1301 E. SECOND STREET, SANFORD, FL 32771.

Section 26. Governing Law, Jurisdiction, and Venue. The laws of the State of Florida govern the validity, enforcement, and interpretation of this Agreement. The sole jurisdiction and venue for any legal action in connection with this Agreement will be in the courts of Seminole County, Florida.

Section 27. Compliance with Laws and Regulations. In providing all services pursuant to this Agreement, CONTRACTOR shall abide by all statutes, ordinances, rules, and regulations pertaining to or regulating the provision of such services, including those now in effect and subsequently adopted. Any violation of these statutes, ordinances, rules, or regulations will constitute a material breach of this Agreement and will entitle COUNTY to terminate this Agreement immediately upon delivery of written notice of termination to CONTRACTOR.

Section 28. Patents and Royalties. Unless otherwise provided, CONTRACTOR is solely responsible for obtaining the right to use any patented or copyrighted materials in the performance of this Agreement. CONTRACTOR, without exception, shall indemnify and save harmless COUNTY and its employees from liability of any nature or kind, including costs and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or supplied by CONTRACTOR. In the event of any claim against COUNTY of copyright or patent infringement, COUNTY shall promptly provide written notification to CONTRACTOR. If such a claim is made, CONTRACTOR shall use its best efforts to promptly purchase for COUNTY any infringing products or services or procure a license at no cost to COUNTY that will allow continued use of the service or product. If none of the alternatives are reasonably available, COUNTY shall return the article on request to CONTRACTOR and receive reimbursement, if any, as may be determined by a court of competent jurisdiction.

Section 29. Notices. Whenever either party desires to give notice to the other, it must be given by written notice, sent by registered or certified United States mail, return receipt requested,

addressed to the party for whom it is intended at the place last specified. The place for giving of notice will remain such until it has been changed by written notice in compliance with the provisions of this Section. For the present, the parties designate the following as the respective places for giving of notice:

For COUNTY:

Seminole County Traffic Engineering Division
140 Bush Loop
Sanford, FL 32773

With a copy to:

Seminole County Purchasing & Contracts Division
1301 E. Second Street
Sanford, Florida 32771

For CONTRACTOR:

Chinchor Electric, Inc.
1460 S. Leavitt Avenue
Orange City, Florida 32763

Section 30. Rights At Law Retained. The rights and remedies of COUNTY provided for under this Agreement are in addition and supplemental to any other rights and remedies provided by law.

Section 31. Headings and Captions. All headings and captions contained in this Agreement are provided for convenience only, do not constitute a part of this Agreement, and may not be used to define, describe, interpret or construe any provision of this Agreement.


Section 32. E-Verify System Registration.

(a) CONTRACTOR must register with and use the E-Verify system to verify the work authorization status of all new employees prior to entering into this Agreement with COUNTY. If COUNTY provides written approval to CONTRACTOR for engaging with or contracting for the services of any subcontractors under this Agreement, CONTRACTOR must require certification

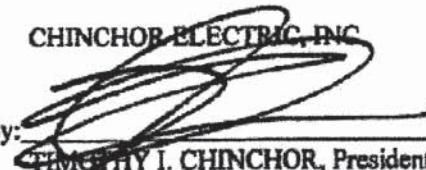
from the subcontractor that at the time of certification, the subcontractor does not employ, contract, or subcontract with an unauthorized alien. CONTRACTOR must maintain a copy of the foregoing certification from the subcontractor for the duration of the agreement with the subcontractor.

(b) If COUNTY has a good faith belief that CONTRACTOR has knowingly violated this Section, COUNTY shall terminate this Agreement. If COUNTY terminates this Agreement with CONTRACTOR, CONTRACTOR may not be awarded a public contract for at least one (1) year after the date on which this Agreement is terminated. If COUNTY has a good faith belief that a subcontractor knowingly violated this Section, but CONTRACTOR otherwise complied with this Section, COUNTY must promptly notify CONTRACTOR and order CONTRACTOR to immediately terminate its agreement with the subcontractor.

IN WITNESS WHEREOF, the parties have made and executed this Agreement for the purposes stated above.

ATTEST:


MARIAH ANSELMO, Secretary
(CORPORATE SEAL)

CHINCHOR ELECTRIC, INC

By: _____
TIMOTHY I. CHINCHOR, President
Date: 9/29/2020

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SEMINOLE COUNTY, FLORIDA

Cassandra Reyes
Witness
CASSANDRA REYES
Print Name

Leticia Figueroa
Witness
Leticia Figueroa
Print Name

By: Betsy Cohen
BETSY COHEN, Interim Purchasing and
Contracts Manager

Date: 9/30/2020

For the use and reliance of
Seminole County only.

As authorized for execution by the Board of
County Commissioners at its SEPT 23RD
20 20, regular meeting.

Approved as to form and
legal sufficiency.

AGENDA ITEM # 2020-0327

David A. Shultz
County Attorney

BP/tp/DGS
6/17/20 8/17/20
T:\Users\Legal Secretary CSB\Purchasing 2020\IFB-603865 (Chinchor).docx

Attachments:

- Exhibit A – Scope of Services
- Exhibit B – Sample Purchase Order
- Exhibit C – Contract Pricing

Exhibit A
Scope of Services
Part 1
General Scope

Seminole County is looking for a competent Contractor(s) to furnish traffic signal construction and system communication as indicated in the solicitation.

SECTION I.

GENERAL REQUIREMENTS

1. Purpose:

This contract is intended to enable Seminole County Traffic Engineering to construct traffic signals in their entirety or individual components of signals and systems, including such items as conduit, cable, mast arms, pre-emption and detection equipment, fiber and street lighting.

2. Performance Period

Because of the public safety implications, the response time is an essential element of the services for tasks included in this contract. The specific performance periods for various categories are listed below.

A. Traffic Signals

Traffic signals shall be constructed in a timely manner after the purchase order is issued. The Contractor(s) shall plan accordingly to avoid undo delay when ordering mast arms.

B. Emergency Construction

- 1) **Loop sensors** shall have a construction period of 21 days from the date of the issuance of the purchase order.
- 2) During incidents or emergencies, the County may depend on the Contractor to assist them in restoration or repair work. In these cases, the Contractor must be able to respond within a minimum of two (2) hours, but preferably sooner, with IMSA certified Level 2 Signal Technicians and any necessary equipment.

3. Inspection & Acceptance

County shall inspect all work upon completion and formally accept the work. It shall be the contractor's responsibility to schedule and hold preliminary and final acceptance meetings. Failure of County staff to detect discrepancies and poor workmanship and material shall not relieve the contractor of the responsibility for completion of the task and successful operation as required. The contractor shall warranty all work for a period of two (2) years for workmanship and for a period equal to the manufacturer's warranty period for material.

4. Required Specifications and Standards

All work and material shall be in accordance with the **latest applicable Florida Department of Transportation specifications as required by the pay item designation, latest Roadway and Traffic Design Standards, and as modified by Seminole County.** Special Seminole County specifications for modified pay items and/or components and material are included within this document. Contractor must refer to the FDOT's Basis of Estimates Manual for additional item descriptions. Each project must have an IMSA Level 2 Signal Technician on site and all Contractor personnel shall be certified in MOT training as required by the FDOT.

5. Project Release Orders and Costs

The County will issue Release Orders to the contractor on an as needed basis. There are no minimums or maximums established. The quantities indicated in this document are intended to provide a uniform base for bidding purposes only.

Each individual release order under non-emergency conditions shall contain the project plans, a breakdown of the pay items, estimated total costs and the performance period required. The executed release order will serve as Notice to Proceed (N.T.P.) for the project. Under emergency conditions, the requests shall be made verbally by the County's project manager and followed by a fax or email containing the details. The time for the Release Order will begin immediately after the telephone request.

6. Project Billing

For projects with a performance period equal to or less than 90 days, the contractor shall issue only one invoice to the County for the total project amount. This invoice shall be issued at the project's completion and following acceptance of the work by the County. For projects with a performance period greater than 90 days, the contractor shall issue only one invoice to the County for that work completed within the first 90 days and may subsequently issue monthly invoices until the project's completion. The final invoice shall be issued at the project's completion and following acceptance of the work by the County.

7. Project Management

Contractor shall identify a project manager (both prime and sub-contractor when applicable) for the project and provide emergency and non-emergency telephone numbers (office, home and cellular) to the County at the award of the contract. The project manager shall remain with the project for the life of the contract unless requested in writing by the contractor and approved by the County Traffic Engineer.

Contractor shall identify all sub-contractors participating in the contract with the bid document. The sub-contractor(s) shall remain the same for the life of the contract unless requested in writing by the prime contractor and approved by the County Traffic Engineer.

8. Work Schedules & Maintenance of Traffic

Contractor shall schedule work to minimize impact on the peak traffic periods. Peak periods are defined as 7:00 to 9:00 AM and 4:00 to 6:00 PM Monday through Friday. No lane closures shall be permitted during the peak periods.

The contractor shall provide maintenance of traffic in accordance with the latest FDOT Standards 600 series for the project. Failure to comply with this requirement will result in complete shutdown by the County Traffic Engineer with no additional compensation to the Contractor.

9. Maintenance of Traffic (MOT)

Compensation for MOT shall be one percent (1%) of the actual total project cost upon final project completion. This item will be automatically added to each work order by the County and does not require a bid price by the contractor. This pay item is intended as lump sum compensation to the Contractor for the maintenance of traffic set up in accordance with the latest FDOT and Seminole County requirements for the life of the project.

10. **Mobilization**

Compensation for Mobilization shall be five percent (5%) of the actual total project cost upon final project completion. This item will be automatically added to each work order by the County and does not require a bid price by the Contractor.

SECTION II.

PROJECT SPECIFICATIONS

The Contract Documents and specifications comprise the entire agreement between County and Contractor concerning the Work. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be governed by the laws of the State of Florida and venue shall be in Seminole County for state actions and the Middle District of Florida for federal actions.

The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to Contractor for the Work. All duties, responsibilities, risks of every nature, and obligations assigned or undertaken by Contractor shall be at Contractor's sole expense without change in the Contract Price or Contract Time.

Where the Contract Documents provide for Unit Price Work, the Contract Price stated in the Agreement will include an amount equal to the sum of the Unit Prices for each item of Unit Price Work times the estimated quantity of each item as indicated in the Contract Documents. Each Unit Price will be deemed to include an amount considered by Contractor to be adequate to cover all costs, including supplemental and administrative costs, and profit.

County reserves the right to notify Contractor of any variation in quantities meeting the criteria established in this subsection.

Contractor shall promptly, after becoming aware of, and before proceeding with any significant quantities of affected Work, notify County of any additional or reduced quantities for an item of Unit Price Work which will require an adjustment in Contract Price.

Pay item numbers not provided shall be in accordance with the latest FDOT and Seminole County specification. Please refer to this agreement and the latest FDOT's Basis of Estimates Manual for pay item descriptions. The numbers in the contract were intended to match FDOT's numbers as close as possible, but differences and unique numbers do exist. **Specifications for these items shall conform to the latest applicable FDOT specifications as required by the pay item designation, latest Roadway and Traffic Design Standards, and as modified by Seminole County.**

Seminole County Public Work Traffic Engineering Signalization General Notes and any future updates are included as a part of the Project Specifications. The current version has been included within this solicitation.

102-14 - Police Officer during MOT

This item shall be used to hire one (1) off-duty police officer, whether Seminole County Sheriff, FHP or local municipality, for traffic control per hour.

102-104-002 - Adjust Existing Signal Head (MOT)

This pay item is intended to compensation for signal head adjustment requirements during the maintenance of traffic for lane shifts and other conditions. Compensation is for complete work including signal cable and all necessary hardware.

575-1-8 & 4 - Sodding (Bahia & St. Augustine)

This pay item is intended for restoration of disturbed work areas to a condition equal to or better than the preconstruction condition

580-332-97 - Tree Removal / Trimming

This pay item is intended to be used for trimming branches and tree limbs that are interfering with the installation of aerial communication cable. Payment shall be made based on the contractor clearing a 4 foot radial path for 25 feet horizontally along the proposed cable route. If this item is used for tree removal than multiples of this pay item will be negotiated based on the size of the tree.

620-1-1

All poles, foundations, AC service, and cabinet assemblies shall have 50' of ground rod and shall be bonded with a six (6) gauge wire in the signal pull box closest to the traffic signal cabinet. A six (6) gauge Green wire shall be pulled around the intersection for grounding. Grounding will not be included within other items. All required grounding will be paid using this item. Pay item 620-1-1A shall be used for ITS VMS sign array

630-2-14 - Conduit Aboveground

All aboveground conduit shall be rigid 2" galvanized steel.

630-2-11 - Conduit Underground

All underground conduits shall be schedule 40, 2" buried at depth of 36". Furnish and install locate wire in accordance with FDOT specification.

630-2-11 - Conduit Underground/for Fiber Optic Cable

All underground conduit for the purpose of Fiber Optic shall be schedule 40 two inch (2"), buried at a minimum 36". A 14 AWG insulated wire shall be installed inside the conduit for locating purposes. This wire shall be continuous between pull boxes.

630-2-12- Conduit Directional Bore

The number of required conduits will be provided within a site specific intersection plan set. Payment for underground conduit 630-2-11 will be made per each run. Payment for directional bore conduit will be paid as the 1st conduit run per bore length, the remaining conduits will be paid as underground. For example, a bored underground road crossing of 100' and 3 conduits will be paid as 1 length (100') directional bore and 2 lengths (200') underground.

630-2-13-Conduit, Jacked

6" rigid metal carrier casing including three (3) 2" PVC conduit.

630-2-15-Conduit Bridge Mounted

2" rigid galvanized metal conduit using industry standard FDOT approved straps and anchors.

632-6-1 - Signal Cable, LF

Signal Cable as needed and intended for a complete installation with 3 spare conductors.

632-7-1 - Signal Cable, PI

This item includes a minimum of two 16 conductor cables per intersection with 3 spare wires per cable, one 10 gauge 2 conductor for street lights (14AWG/2 wire, IMSA 50-2 cable is not an acceptable substitute for 10AWG/2 wire), Loop Beldon and pedestrian feature cabling. This item also includes all associated cable for complete Opticom systems. Cable shall not be stepped down to fewer conductors in overhead nor shall conductor colors be mismatched. A six (6) gauge green grounding wire shall be pulled around intersection. This item includes total intersection replacement.

Wiring for mast arm intersections shall have a minimum of 3 spares for each assembly. Wiring shall include Pedestrian features, street lighting, Opticom, loop beldons, illuminated street signs, and a #14 gauge locate wire. Wiring shall be in accordance with IMSA cable specifications.

633-1-121 or 122 or 123 or 123A - Fiber Optic Cable

Only fiber optic communication cable shall be used unless otherwise specified in plans.

All 12,24,72,96 Strand Single mode Fiber Optic Cable shall be Loose Tube, All-Dielectric, Dry Blocked, 8.3/125 um This pay item includes the locate wire. (12 AWG solid copper per FDOT specification).

633-1-121 - Fiber Optic Cable 12 SM

Loose Tube, All-Dielectric, Dry Blocked, 12 Strand Single-Mode, 8.3/125 um. This pay item includes the locate wire. (12 AWG solid copper per FDOT specification).

633-1-122 - Fiber Optic Cable 24 SM

Loose Tube, All-Dielectric, Dry Blocked, 24 Strand Single-Mode, 8.3/125 um. This pay item includes the locate wire. (12 AWG solid copper per FDOT specification).

633-1-123 - Fiber Optic Cable 72 SM

Loose Tube, All-Dielectric, Dry Blocked, 72 Strand Single-Mode, 8.3/125 um. This pay item includes the locate wire. (12 AWG solid copper per FDOT specification).

633-1-123A - Fiber Optic Cable 96 SM

Loose Tube, All-Dielectric, Dry Blocked, 96 Strand Single-Mode, 8.3/125 um. This pay item includes the locate wire. (12 AWG solid copper per FDOT specification).

633-1-300 - Fiber Optic Cable. Install Only

This pay item will be used when the fiber optic cable is furnished to the contractor for installation. This includes the installation of a locate wire. The locate wire will also be furnished to the contractor for installation.

633-2-31 - Fiber Optic Connection. Splice

This pay item is intended to be used to fusion splice fiber optic cables. The fusion splicer to be used shall have either a core alignment or LID system for splice loss estimation. During splicing operations all splices with an attenuation reading greater than .12 db shall be broken and re-spliced. All fusion splices, when tested with an OTDR, shall be less than .15 db when bi-directionally averaged. All fusion splices shall be heat shrink protected and stored within a splice tray.

633-2-32 - Fiber Optic Connection. Termination

This pay item is intended to be used to terminate a fiber optic strand by splicing on a pre-terminated pigtail. The pay item shall include the fusion splice with heat shrink protection and the pigtail with the required connector type. (ST, SC, or LC) The fiber optic pigtail shall be single mode 8.3/900 um and shall be color coded to match the strand color coating.

633-3-11 - Fiber Optic Splice Enclosure 72

Dome type fiber optic splice enclosure suitable to house (6) splice trays. As per Corning SCF-6C22-02 or Preformed Line Products (Coyote 6.5 X 22)

633-3-11A - Fiber Optic Splice Enclosure 96

Dome type fiber optic splice enclosure suitable to house (8) splice trays. As per Corning SCF-6C28-02 or Preformed Line Products (Coyote 9.5 X 28)

633-3-12 - Fiber Optic Splice Tray

Fiber optic splice tray suitable for installation in recommended enclosure. The splice tray shall be able to

house a minimum of 12 splices with heat shrink protection sleeves for Corning enclosures. The LGSTS72 trays for Preformed Enclosures.

633-3-14 - Fiber Optic Buffer Tube Fan Out

12 strand buffer tube fan out kit with 900 um tubing. The tubing shall be color coded to match strand color. The tubing shall be a minimum of 24 inches long.

633-3-16 - Fiber Optic Patch Panel

Wall mounted or 19" rack mounted fiber optic patch panel. The patch panel shall include necessary connector modules (ST or SC as required). The patch panel shall be capable of housing 24 ST or SC connectors. As per Corning WIC-02P or CCH-03U patch panels pre-loaded with connector plate modules.

633-3-18 - Fiber Optic Connector

Fiber optic termination "ST" or "SC" connector. This pay item is intended to be used with the fiber optic fan out kit to terminate a fiber optic strand. Fiber terminations can be accomplished with either hand polished or crimp type connectors. As per Corning "Unicam" connectors.

633-3-19 - Fiber Optic Pigtail

Fiber optic "Pigtail" used to terminate a fiber optic strand. This pay item will be used with a fiber optic fusion splice to terminate a fiber optic strand. The pigtail shall be 900 um and color coded to match fiber strand. ST, SC, or LC as required.

633-3-20 - Fiber Optic OTDR Testing, Terminated Fiber

This pay item is intended for fiber optic testing. The testing shall be done a terminated fiber strand at two wavelengths (1310 nm / 1550 nm). Each test shall be averaged for 30 seconds. The test results shall be submitted in hard copy and electronic versions. This pay item will be used on a per strand basis.

633-3-20A - Fiber Optic OTDR Testing, Bare Fiber

This pay item is intended for fiber optic testing. The testing shall be done a non-terminated bare fiber strand at one wavelength (1310 nm). Each test shall be averaged for 15 seconds. The test results shall be submitted in hard copy and electronic versions. This pay item will be used on a per strand basis. The common use of this pay item will be for reel testing.

634-4-152, 153, 113, 113A - Span-wire Assembly

FDOT Roadway 3/8" Centenary and 7/16" messenger spans, EHS. Seminole County Roadway 3/8" Centenary and 3/8" Messenger spans, EHS

634-4-112B - Temporary Span Greater than 200 ft. Diagonal

This item shall consist construction, maintenance, and removal of a temporary span which shall include 2 (up to 3 poles where there is an existing median) wood or concrete strain poles, single span, all necessary hardware and cabling, and up to 4 light weight signal heads, one of which may be a 5-section head. This item shall also include all required power service requirements and guying of the poles.

634-6-1 - Messenger Wire Assembly

This item is intended for support for aerial Fiber Optic communication cabling and shall be 1/4" diameter, EHS. All required pole hardware and materials needed for the messenger installation shall be included in this pay item.

635-2-11 - Pull and Junction Box, Ground Mounted

All pull boxes are to be composite 13"x 24" with a non-conductive 20K rated lids (quasite type or approved equivalent), located a minimum of 5 feet from radius and 10' from edge of pavement. Lids shall be marked Traffic Signal. With a 1' x 4" concrete apron. Includes removal of old pull box.

635-2-12 - Pull and Splice Box, Ground Mounted

All pull boxes are to be composite, 24"x36" with a non-conductive 20K lid (CDR Systems Corporation product or approved equivalent). Lids shall be marked Seminole County Fiber Optic Cable. A one foot by

one foot by 4 inch concrete apron shall be poured around junction box. Includes removal of old pull box.

635-2-13- Fiber Junction Box

Round Vault Box shall be 48" Diameter with 6" extension marked Seminole County fiber optic and shall be 20K rated CDR Systems Corporation product or approved equivalent. A one foot by one foot by 4 inch concrete apron shall be poured around junction box.

635-3-11 - Pull and Junction Box Aerial

Shall 18"x18" NEMA Enclosure PVC. A 25 pair 66m style punch down block shall be installed inside box.

639-1-112.122 &113.123 - Electrical Services

Duke Energy Power Service 120v with meter FPL Power Service 120V no meter Electrical service for mast arm Intersections shall be 125amp, 8 space, NEMA 3R rainproof enclosure.

641-2-xxx - Pre-stressed Concrete Pole

Pole schedule shall have hand-hole placed 4 feet above grade. A 2 inch knock out shall be placed opposite of the hand-hole. A 2 inch wire entrance nipple shall be located 1 foot below messenger wire attachment point. A 6 AWG ground wire shall be included for pole grounding. Per FDOT Spec.

641-2-11 - Concrete Pedestal Type II

Shall meet FDOT Specifications 12' pole

643-1 - Strain Poles Guving Wood

Down guy installation on a wood or concrete pole.

646-1-11 - Aluminum Signal Pole & Pedestal

4 inch Diameter Aluminum Post 12ft long, with Pelco Pedestal or Approved equivalent. Pay item shall include all items needed for proper Installation.

646-1-11B- Breakaway pedestal and base

Pelco base or equivalent with bolts and concrete base only.

646-1-12 - Aluminum Signal Pole Pedestrian Detector Post

Pedestrian pole mounted base, Pelco Brand PB-5335 Aluminum or approved equivalent. Pay item shall include all items needed for proper Installation.

647- B. C. D.E.F - Design Tasks

All required geotechnical testing shall be performed under 647-B. Item D shall consist of a pre-dig for a Mast Arm base or strain pole where utilities may be a conflict. Item F shall be used for a FDOT qualified CEI to perform slump test and inspections on concrete foundations to satisfy FDOT requirements. All shop drawings and geotechnical reports must be signed and sealed by a professional engineer in the State of Florida.

647-G - Signal Technician (per hour)

This is to furnish a signal technician (minimum IMSA Level 1 Signals Certified, preferably Level 2 Certified) for various tasks.

648-1A. B. C - Foundation

This item shall include all required conduits, anchor bolts, steel rebars and concrete foundation for 48" diameter for Seminole County Standard mast arms and strain poles. The compensation shall be per foot of depth as stated in the plans.

648 - Mast Arms (Seminole County Standard)

These are mast arms constructed according to the latest Seminole County Standard Mast Arm Drawings. At the time of this bid letting, the latest Standards are 2017/2018.

IMPORTANT FOR PRICING. All mast arms listed, both fluted and non-fluted and both single and double, assume a short upright (22' to 24' per the latest Standards). Items 648-1F through 648-1I are price add-ons for use when a tall upright (32') is requested. Items 715-11-111 through 715-99 are the add-ons for luminaires. For example, if furnish and install 50' non-fluted arm with a tall upright and shoe box luminaire is requested, the following 3 items needed would be 648-11-50NF, 648-1E, and 715-11-114. Below is the assumed loading for the base arms. For arms with requested loadings more than this, use items 648-99L for the 1st additional item (signal head or sign) and item 648-99M for each additional item (signal head or sign). Items 648-99L and 648-99M are given in percent and represent the percent increase over the base mast arm price for each item. These mast arm items DO NOT include the price for foundations (items 648-1B and 648-1C).

Mast Arm Loading Specifications

Single Mast Arms

Assemblies with single arms 25 to 40 ft in length:

It shall be assumed that arms within this range will be loaded with one (1) 4-section head located two (2) feet from the end of the arm, one (1) 3 section signal head located fourteen (14) feet from the end of the arm and one (1) 3 section signal head located fourteen (14) feet from the end of the arm eight and one (1) (8) foot illuminated street sign located eight (8) from the end of the arm.

Assemblies with single arms 45 to 65 ft in length:

It shall be assumed that arms within this range will be loaded with one (1) 4-section head located two (2) feet from the end of the arm, one (1) 3 section signal head located fourteen (14) feet from the end, one (1) 3 section signal head located twenty-six (26) feet from the end of the arm and one (1) eight (8) foot illuminated street sign located twenty (20) from the end of the arm.

Assemblies with single arms 70 to 90 ft in length:

It shall be assumed that arms within this range will be loaded with four (4) 3-section heads located at two (2) feet, fourteen (14) feet, twenty-six (26) feet and thirty-eight (38) feet from the end of the arm, plus one (1) eight (8) foot illuminated street sign located thirty-two (32) from the end of the arm.

Double Mast Arms

Double assemblies with arms totaling 60 to 90 ft in length:

It shall be assumed that assemblies within this range will have two (2) arms of equal length each with one (1) 5-section head located two (2) feet from the end of the arm, one (1) 3 section signal head located fourteen (14) feet from the end of the arm and one (1) eight (8) foot illuminated street sign located eight (8) from the end of the arm.

Double assemblies with arms totaling 95 to 125 ft in length:

It shall be assumed that assemblies within this range will have two (2) arms of equal length each with one (1) 5-section head located two (2) feet from the end of the arm, one (1) 3 section signal head located fourteen (14) feet from the end, one (1) 3 section signal head located twenty-six (26) feet from the end of the arm and one (1) eight (8) foot illuminated street sign located twenty (20) from the end of the arm.

Double assemblies with arms totaling 130 to 160 ft in length:

It shall be assumed that assemblies within this range will have two (2) arms of equal length each with four (4) 3-section heads located at two (2) feet, fourteen (14) feet, twenty-six (26) feet and thirty-eight (38) feet from the end of the arm, plus one (1) eight (8) foot illuminated street sign located thirty-two (32) from the end of the arm.

649 - Mast Arms (FDOT standard)

These are mast arms constructed according to the latest FDOT standards. These mast arms DO INCLUDE the foundation as is typical with these FDOT items.

649-40A and 649-40B - Steel Mast Arm Re-Coating (singles and doubles)

Re-coating of mast arms shall be in accordance with FDOT Specifications Section 560, including all associated Sections. Reminder that there is a five (5) year warranty on all re-coating.

650 - Traffic Signal Assembly

All disconnects shall be full size (12"w x 6"h x 4 1/2"D) with hinged doors and 18 position terminal strip, no Jones plugs will be accepted. All unused wires shall be terminated on the terminal strip. No wire nuts on unused conductors. All disconnects & hanging hardware shall be Engineered Casting or approved equivalent.

All signals must meet the latest FDOT Specification for vehicular traffic signal assembly in accordance with Section A650 FDOT standard specifications and shall be Engineered Casting or an approved equivalent. The inside face of each door will have 4 lens gasket clamps and stainless steel screws for securing the lens to door. Only tunnel visors will be accepted. All signals will have FDOT Approved Backplates w/ reflective border. All LED Signals shall be FDOT approved. All LED balls and arrows (items 650-1-111B through 650-1-111S) shall be lenses only; no housings.

653 - Pedestrian Signal Head LED Countdown

These items shall be FDOT approved and meet the latest FDOT Specifications for pedestrian signal assembly Section A653. The items provided shall be ICC Brand or approved equivalent. Only LED international symbol will be accepted. Each head assembly shall include all necessary mounting hardware.

All LED Pedestrian Heads shall be one unit with Hand/Man, Countdown and must be FDOT approved.

660 - Loop Sensors & Loop Detectors

Naztec menu driven LCD detector, dual channel, rack mount or an approved equivalent. All Type F loops shall be 6x40, front of loop shall be cut 5ft in front of stop bar except in a Traffic Responsive System 6x20 loops shall be placed 1ft behind stop bar and one in each lane. Homerun shall be cut from the back of the loop to the window, no loop windows or homeruns shall be cut in radius.

660-2-102 and 660-2-106 - Loop assemblies

Price to include all items necessary for an acceptable installation back to the cabinet including all required lead in cable.

660-2-102A and 660-2-106A Loops

Price to be for the loop installation only and does not include lead in cable.

663-1-111 through 663-1-111 A.B.C. - OPTICOM Vehicle Detectors

This pay item number is intended to install a complete Global Traffic Technologies OPTICOM emergency pre-emption system. This item shall include 700 series controller Phase selector unit, 4 optical detectors, and required cabling.

Items 663-410E through 663-410L are intended to relocate existing single or dual channel, span or mast arm mounted OPTICOM detectors. These pay item numbers shall be used in conjunction with overhead rebuilds/modifications. Mast arm intersections may have to have detectors separated when switching from span to mast arm. Detector not included in this pay item.

660-4-11 & 660-4-10A thru 663-4-10 - Video Vehicle Detection

This item shall consist of a vehicle detection system by processing of video images and provide detector outputs to the signal controller via TS2 SDLC. Under this item the contractor is to provide a system that detects vehicles on a roadway via processing of video images and provides detector outputs to the traffic signal controller. The system shall consist of four Thermal cameras. The unit shall have the ability to be programmed / setup without the need for a laptop computer.

The camera and lens assembly shall be housed in a light-colored environmental IP67 enclosure with a sun shield. The enclosure shall be watertight, and dust proof. The connection between the cameras and the video interface panel shall be coaxial cable suitable for outdoor installation, System shall include all necessary camera mounting hardware and other related materials. Traficon w/FLIR or approved equivalent.

Item 660-4-11 is for the video control unit in the cabinet capable of managing 1 to 4 directions. The remaining items are for the video detectors per number of directions and either furnish and install or install only.

660-3-10 through 660-3-32 - Microwave Vehicle Detection

This system will be used for presence/pulse detection. Vehicular counting and other related functions are not required. The system provided under this item shall be completely compatible with all Seminole County control equipment. Microwave Detectors shall be Microwave Sensors Model TC26B or approved equivalent, item shall include all associated cabling and hardware for a complete working installation.

665-1-11 thru 665-1-11A - Pedestrian Detector (Detector With Sign Only)

Polara Engineering "Bulldog" Brand vandal resistant push button or approved equivalent.

670-110A - Cabinet, Base Only

This pay item is intended as lump sum compensation to the contractor for the installation of FDOT standard controller pad and service slab for a type 6 signal cabinet. The base shall have (6) 2 inch, (2) 3 inch, and (1) 1 inch PVC conduits. All conduits shall be stubbed out in the closest pull box i.e. (no stub outs of spare conduits below grade).

670-110B - Cabinet, Install Only

This pay item is intended as lump sum compensation to the contractor for the installation of TS 2 type 1 traffic signal controller cabinet on an existing base.

670-110C - Cabinet, Base Only

This pay item is intended as lump sum compensation to the contractor for the installation of 60 inch x 60 inch x 6 inch pad for a communication hub cabinet. The base shall have (5) 2 inch, (2) 4 inch, and (2) 1 inch PVC conduits. All conduits shall be stubbed out in the closest pull box i.e. (no stub outs of spare conduits below grade).

671-2-11 - Nema Controller Only

All Controllers to be Naztec ATC (type 1 or type 2). Controller shall have internal Ethernet capabilities. Naztec or approved equivalent.

670-5-112 - Type VI Cabinet / Naztec TS2 Type 1

Cabinets shall consist of 1 Naztec TS2 type 1 ATC Controller, 68 inch Cabinet Assembly 70006- TS2/FL (68 inch, type 6, Rear Door, UPS ready w/ aux relay), NaztecTS2 MMU Model 516L w/ Ethernet, 4 Naztec TS2 BIU Model 130, 16 Nema Load Switches w/I/O, 1 Nema flasher, 8 Transfer Relays, Luminaire Interface on Power supply, Naztec TS2 Cabinet power supply, 32 Channel Detector rack, 4 Channel Opticom Rack & Field Panel, 32 Loop Detector panel w/ 32 SRA-6LC surge arrestors, Ped isolator card, all loop detectors to be Naztec menu driven LCD detectors, set of FLDOT Spec load resistors for back panel, one ball bearing roller drawer.

682-1-133 - CCTV Camera, IP, HD, non-pressurized

High definition IP dome type camera with 30X zoom, day/night mode, internal H.264 encoder, and NTCIP. As per Bosch "7000" series 1080P camera. This pay item includes all mounting hardware and shielded cabling necessary to install the camera on a mast arm or concrete pole.

682-1-333 - CCTV Camera, Install Only

This pay item will be used to install High definition IP dome type camera that will be furnished to the contractor for installation. All of the material necessary for the installation will be included to install the camera on a mast arm or concrete pole.

682-1-400 - CCTV Camera, Relocate

This pay item will be used to relocate a High definition IP dome type camera. The contractor shall provide any necessary cabling and connectors needed to install the camera on a mast arm or concrete pole.

685-106.206 - System Auxiliary - UPS

Traffic Signal Uninterruptible Power Source as per Alpha model FXM 1100 w/ SNMP capabilities. System shall include 4 batteries (Alpha HP4.0) and power interface module. This system will be used in conjunction with LED technology. Additional battery cabinet, if required, will not be included in this pay item.

690 - Removal Items

All signal items and equipment removed by the contractor are property of Seminole County. This equipment may or may not be required to be returned to Seminole County depending on its condition.

Item 690-30, Remove Concrete Strain Pole shall include cutting pole 18' below grade and disposal in accordance with all local, state, and federal laws. Item 690-31 shall include removal of the foundation for concrete strain poles and mast-arms, disposal of the foundation in accordance with all local, state, and federal laws, and back-fill and return of the disturbed areas to their original grade and condition. All mast arm assembly shall remain property of Seminole County and shall be delivered to County yard. 690-90 Fiber optic cable removal. Pay item is intended for the removal of aerial fiber optic cable and span wire. 690-95 Item is intended for sidewalk removal per square yard.

700-10-123 thru 700-10-124B - Dynamic Message Sign Support Structure

These items are for the cantilever sign structures necessary to support our County standard Dynamic Message Signs, which are currently Daktronics Vanguard VF-2420-80x240-20-RGB. Structures shall be designed to be consistent with FDOT Index 18300.

700-46-25 - Relocate Existing Overhead Sign

This item is intended for compensation for relocation of overhead sign panels on trusses, mast-arms, span-wire, etc.

700-5-22 - L.E.D. Illuminated Street I.D.'s & Hanging Arm Assembly

This item is intended for compensation for addition of hanging arms for installation of internally illuminated or regular street signs up to 24"x 96". The installation shall include for concrete strain poles and mast-arms. The strain pole mounted arm shall be aluminum and must be adjustable 5 degree in either direction. Illuminated Street I.D.'s shall be LED type, with winged type screw-in door latch. Southern Manufacturing or approved equivalent.

700-89-02A, B, C, D, E, F, G, H - Fiber Optic Blank-out Signs

This item is intended for compensation for BLANK-OUT signs with 2 messages. One way, two message aluminum fiber optic blank out sign. Sign to be painted black. Sign shall be arranged to accommodate astro bracket and/or span wire mounting. As per National Sign & Signal brand. 24"x24" and 30"x30" or an approved equivalent L.E.D. Retrofit Kit shall be on FDOT APL List.

700-90-14 - Sign Flashing Beacon (Overhead) Assembly

This item is intended for overhead school flasher assembly in accordance with FDOT specifications.

715-11-111 - Cobra Head Luminaire and Bracket Arm

Cobra head 250w high pressure sodium with arm for concrete pole installation

715-11-111A - Cobra Head Luminaire and Bracket Arm

Cobra head L.E.D. equivalent to 250w high pressure sodium with arm for concrete pole installation

715-11-114 - Luminaire Shoe box Type

Shoe Box Type 250w HPS for Mast Arm installation

715-11-114A - Luminaire Shoe box Type

Shoe Box Type L.E.D. equivalent to a 250w HPS for Mast Arms

715-113 - Luminaire Decorative Acorn Style

Luminaire Decorative Acorn Style 250w for Mast Arm installations

**SEMINOLE COUNTY PUBLIC WORKS / TRAFFIC
ENGINEERING SIGNALIZATION GENERAL NOTES**

Revised 2018

1. Traffic shall be maintained in accordance with the latest FDOT "Roadway and Traffic Design Standards". Attention is directed to the 600 Index.
2. For traffic signal installations information see the most current FDOT roadway and Traffic Design Standards. All installations shall also be in accordance with the most current Seminole County Standards.
3. The Contractor shall notify all utilities at least 48 hours in advance of any operation that may conflict with overhead, underground, or area utilities.
4. The contractor shall coordinate and seek any necessary approval, from other utilities, prior to working on or installing joint-use poles, span wire assemblies, or signal poles adjacent to their facilities or power lines.
5. The contractor shall be responsible for locating and working near and around any and all utilities within the construction area. In addition, the Contractor shall be solely and directly responsible to the owners and operators of such properties for any damage, injury, expense, loss, inconvenience, or delay, caused by the Contractor's operations.
6. The contractor shall notify Seminole County Traffic Engineering Tony Mozick (407) 665-5588 24 hours prior to destroying existing roadway sensors. Existing loops or sensors damaged by the Contractor during construction shall be replaced by the Contractor at their expense. At no time is the Contractor to change any signal timings without communication with Seminole County Traffic Engineering. If loops (not temporary detection) are functioning, recalls may be removed by the contractor with approval from Seminole County Traffic Engineering.
7. The maintenance responsibility for all signals within the construction limits shall remain the full responsibility of the Contractor, from the time contract work begins until final acceptance by Seminole County Traffic Engineering, on a by intersection basis. The Contractor shall have an I.M.S.A. Level 2 Signal Technician on site through all phases of construction and on call with a 2 hour maximum response time.
8. It is the Contractors responsibility to coordinate, schedule, and pay for law enforcement officer assistance, when deemed necessary, while working on signals within the intersection.
9. No lane closures will be permitted during peak traffic hours, usually between the hours of 6:00 am and 9:00 am and 4:00 pm and 7:00 pm. Approved lane closures, may be permitted only during active working periods, when required. No long term lane closures will be permitted.
10. A clearance of no less than 17'-6" shall be maintained between the signal heads and the roadway. Maximum signal head height and spacing shall be in accordance with the MUTCD and FDOT standards.
11. The Contractor shall verify all elevations and attachment heights prior to ordering and fabrication of poles. Also. The Contractor shall locate all utilities and clear the location of pole foundations (through sot digs) prior to ordering and fabrication of poles.

12. A terminal block with a minimum of a 6mm wire insertion orifice shall be used to connect cables at the signal pole had hole with a maximum of three 14 gauge conductors per lug. At least 6' of slack cable shall be available for troubleshooting.
13. Signal cable and loop wire are not to be in the same pull box.
14. Individual pedestrian poles shall be installed per index 17764 pedestal mounted signal.
15. All vehicle and pedestrian displays, street ID's and blank out signs shall be L.E.D. All pedestrian signal heads shall be countdown type Luminaires should be L.E.D.
16. The Luminaries/Illuminated street ID/s shall be powered from a separate breaker located in the breaker box not the signal cabinet. All photocells shall be mounted on the breaker box and be 15 ampere capacity minimum. All illuminated street ID's shall be mounted perpendicular to the roadway on diagonal mast arms, swivel brackets should be used and shall be a minimum height of 17' over roadway.
17. All cables will have three spare conductors.
18. All signal heads, pedestrian heads and pedestrian buttons shall have weep holes.
19. All poles, foundations, and cabinet assemblies shall have 50' of ground rod and shall be bonded in the signal pull box next to the traffic signal cabinet.
20. Seminole County has unique phasing. All intersections shall be built to Seminole County standards. Call Chad Dickson Traffic Signal Shop at 407-865-5585 for further information.
21. All equipment and material shall be approved by Seminole County Traffic Engineering.
22. All signal heads to be Die Cast Aluminum or Poly with tunnel visors.
23. Contractor is to insure that all ADA requirements met.
24. Conduit shall be installed on all 4 sides of the intersection, conduit that starts on the cabinet corner shall have four each, 2" inch conduit for each crossing bore. Conduit for electrical power service shall be 1 1/2" inch rigid galvanized. All other conduit to be 2" (minimum) schedule 40 P.V.C, payment shall include the cost of trenching and all conduit in trench. It shall be noted that no test borings were made where conduit runs are to be installed.
25. Before ordering signal cable, the Contractor shall verify color codes with Seminole County Traffic Engineering. All wiring to be per Seminole County specifications.
26. Pull boxes shall be non-metallic 20K rated, and installed per index 17700 Specifications Section and standard spec section 630. Pull boxes shall be installed at intervals of not more than 200 feet and shall not be placed on any driveways. Pull box covers shall be FDOT approved of non-metallic construction with recessed cover logo "Traffic Signal" or "Fiber Optic" as appropriate.
27. Electrical service for mast arm intersections is to be mounted on a type P-II service pole with underground conduit to closest power source. The load center shall be 125amp, 8 space, NEMA 3R rainproof enclosure.

28. Adaptive loops if shown on plans shall be 6'x20' and shall stop 1' before the stop bar. Loop window shall be installed in concrete curb. All loop lead in's shall be cut from the back of the loop to a pull box away from the road radius and trenched, not saw cut, to the cabinet. All loop splices shall be soldered and covered with a waterproof seal.
29. Contractor shall completely relocate all existing Opticom systems when required. Cost to be included within the mobilization. If new install the assembly and included equipment shall be compatible with the responsible agencies Fire Department Standards for a complete IR /GPS dual mode system.
30. Existing controller cabinet shall be returned to Seminole County Traffic Engineering. Controller shall be Naztec ATC Type 1 Ethernet and shall be compatible with Seminole County advanced Traffic Management System. All cabinet assemblies shall be 70006-TS2/FL (68 inch, type 6, rear door, Alpha UPS w/aux relay and two fans) with 16 load bay positions that are capable of handling signal, Ped or overlap phasing, Naztec TS2 MMU Model 516L W/Ethernet, 4 Naztec TS2 BIU Model 130, 16 NEMA Load Switches, 1 NEMA flasher, 8 Transfer Relays, spare interface panel wired to power panel, Naztec TS2 Cabinet power supply, 32 channel Detector rack, 4 Channel Opticom Rack & Field Panel with Suppression, 32 Loop Detector panel w/32 SRA-6LC surge arrestors, Ped isolator card, all loop detectors shall be Naztec menu driven LCD detectors, set of FDOT Spec load resistors for back panel, one ball bearing roller drawer. Includes the relocation of all interconnect/communication equipment and fiber optic cable. The controller shall revert to fully actuated operations upon disconnecting the coordination unit, includes cost for re-installing and re-splicing of all existing fiber optic cable as required for a complete installation. The clock shall be programmable from the front panel.
31. Fiber Optic Cable/Interconnect: Seminole County Traffic Engineering Fiber Optic Cable spec in 96sm fiber or 72sm fiber for new fiber installations (Coming Cable, all-dielectric, loose tube, Dry block or approved equivalent). Contact Seminole County Traffic Engineering John Brown (407) 665-5644 for exact fiber counts and splice detail for locations where existing fiber is being replaced. There shall be a separate 12 gauge solid copper locate wire, locate wire shall be one continuous piece & grounded in the pull box. Fiber Optic Cable shall not be broken, one continuous piece from start of the job to the end of the job or a splice point outside of the job limits. Each signal cabinet shall have a 24"x36" pull box in front of cabinet with 100ft of slack. Connection to the signal cabinet shall be a 12 fiber single-mode drop with ST connectors and a mid-entry splice into the backbone cable. No fiber strand shall be left un-terminated or un-spliced unless otherwise specified. Fiber Optic Cable is considered "Critical Communications" and shall be in service at all times, cut over to new fiber shall be done during off peak hours and coordinated with Seminole County Traffic Engineering (407-665-5677).
32. Field Tests: The Contractor shall have a qualified representative present at all inspections. For FDOT signals, a signal inspection is to be scheduled with Mr. Ray Marlin at (386) 943-5336, of Traffic Operations, 10 days prior to the signal being placed into operation. Should the Contractor request an inspection and the Contractor is not prepared for the inspection, the Contractor will be back charged for the consultant inspector's time. The Contractor will be required to provide a 90 day warranty period as outlined in FDOT Standard Specifications for Road and Bridge Construction.
33. Existing detection shall be maintained for all actuated movements. If temporary overhead detection is used, the Contractor shall wire isolation panels between the controller assembly and overhead detection within 48 hours of compromising existing detection.
34. Existing 3M Opticom shall remain operational during construction. All Opticom detectors on mast arms shall be mounted in an upright position. If new Opticom is installed all the existing equipment

shall be turned over to Seminole County.

35. Existing red light confirmation lights shall remain at the intersection, and be relocated to the new intersection during the changeover to new signals.
36. Prior to final inspection, the Contractor shall furnish Seminole County and FDOT of applicable, one set each of construction as-built plans.
37. High definition IP dome type camera with 30X zoom, day/night mode, internal H.264 encoder, and NTCIP. As per Bosch "7000" series 1080P camera. This pay item includes all mounting hardware and shielded cabling necessary to install the camera on a mast arm or concrete pole.

FLORIDA SALES: 85-6013708974C-0
 FEDERAL SALES/USE: 59-6000656

Board of County Commissioners
PURCHASE ORDER

ORDER NUMBER:

ALL PACKING SLIPS INVOICES AND CORRESPONDENCE
 MUST REFER TO THIS ORDER NUMBER

S H I P	
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ORDER DATE	
REQUISITION	
REQUESTOR	
VENDOR #	

V E N D O R	
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EXHIBIT B

ORDER INQUIRIES
 PURCHASING AND CONTRACT DIVISION
 1301 EAST SECOND STREET
 SANFORD FLORIDA 32771
 PHONE (407) 665-7116 / FAX (407) 665-7968
 ANALYST

DELIVERY	
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ITEM #	QTY	UNIT	ITEM DESCRIPTION	UNIT PRICE	EXTENDED PRICE

THIS ORDER IS SUBJECT TO THE TERMS & CONDITIONS ON THE REVERSE SIDE OF THIS ORDER.		TOTAL AMOUNT	
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SUBMIT ALL INVOICES IN DUPLICATE TO:
 CLERK - B.C.C. FINANCE DIVISION
 POST OFFICE BOX 8080
 SANFORD, FL 32772
 Accts. Payable Inquiries - Phone (407) 665 7656

Purchase Order Terms and Conditions

1. **Acceptance/Entire Agreement.** This Purchase Order ("PO") is entered into between Seminole County, Florida ("County") and the Supplier referenced herein (individually, referred to as "Party," and collectively, "Parties"). By accepting this PO, Supplier accepts all Terms and Conditions contained herein. This PO, including specifications and drawings, if any, and referenced documents, such as solicitations and responses constitutes the entire agreement between the Parties. Whenever terms and conditions of Main Agreement, if any, conflict with any PO issued pursuant to Main Agreement, Main Agreement will control.
2. **Inspection.** Notwithstanding any prior payment or inspection, all goods/services are subject to inspection/rejection by County at any time, including during manufacture, construction or preparation. To the extent a PO requires a series of performances by Supplier, County reserves right to cancel remainder of PO if goods/services provided during the term of PO are non-conforming or otherwise rejected. Without limiting any rights County may have, County, at its sole option, may require Supplier, at Supplier's expense to: (a) promptly repair or replace any or all rejected goods, or to cure or re-perform any or all rejected services; or (b) refund price of any or all rejected goods or services. All rejected goods will be held for Supplier's prompt inspection at Supplier's risk. Nothing contained in PO will relieve Supplier's obligation of testing, inspection and quality control.
3. **Packing & Shipping.** Unless otherwise specified, all goods must be packed, packaged, marked and prepared for shipment in a manner that is: (a) in accordance with good commercial practice; (b) acceptable to common carriers for shipment at the lowest rate for the particular good; (c) in accordance with local, state, and federal regulations; and (d) protected against weather. Supplier must mark all containers with necessary lifting, handling, shipping information, PO number, date of shipment and the name of the consignee and consignor. An itemized packing sheet must accompany each shipment.
4. **Delivery; Risk of Loss.** All goods are FOB destination, and risk of loss will remain with Supplier until delivery by Supplier and acceptance by County. Goods delivered by Supplier that are damaged, defective, or otherwise fail to conform to PO may be rejected by County or held by County at Supplier's risk and expense. County may charge Supplier for cost(s) to inspect, unpack, repack, store and re-ship rejected goods.
5. **Delivery of Excess Quantities.** If Supplier delivers excess quantities of goods without prior written authorization from County, excess quantities of goods may be returned to Supplier at Supplier's expense.
6. **Time is of the Essence.** Time is of the essence for delivery of goods /services under PO. Failure to meet delivery schedules or deliver within a reasonable time, as determined by County, entitles County to seek all remedies available at law or in equity. County reserves right to cancel any PO and procure goods/services elsewhere if delivery is not timely. Supplier agrees to reimburse County for all costs incurred in enforcing its rights. Failure of County to cancel PO, acceptance, or payment will not be deemed a waiver of County's right to cancel remainder of PO. Delivery date or time in PO may be extended if Supplier provides a written request in advance of originally scheduled delivery date and time and County agrees to delayed delivery in writing prior to originally scheduled delivery date and time.
7. **Warranties.** Supplier warrants to County that all goods/services covered by PO conform strictly to specifications, drawings or samples specified or furnished by County, and are free from: (a) defects in title; and (b) latent or patent defects in material or workmanship. If no quality is specified by County, Supplier warrants to County that goods/services are of the best grade of their respective kinds, meet or exceed applicable standards for industry represented, are merchantable (as to goods) and are fit for County's particular purpose. Supplier warrants that at the time County accepts the goods/services, the goods/services will have been produced, sold, delivered and furnished in strict compliance with all applicable federal and state laws, regulations, ordinances, rules, labor agreements and working conditions to which goods/services are subject. Supplier warrants the title to goods furnished under PO is valid, transfer of such title to County is rightful and goods are free of any claims or liens of any nature whatsoever, whether rightful or otherwise, of any person, corporation, partnership or association. All applicable manufacturers' warranties must be furnished to County at time of delivery of goods or completion of service. All warranties are cumulative and are in addition to any other express or implied warranties provided by law.
8. **Indemnification.** To the fullest extent permitted by law, Supplier assumes any and all liability for damages, breach of PO, loss or injury of any kind or nature whatsoever to persons or property caused by, resulting from or related to the goods/services provided under PO. To the fullest extent permitted by law, Supplier shall indemnify and hold harmless County, its commissioners, officers, employees and agents from and against any and all claims, damages, demands, lawsuits, losses, costs and expenses, including attorneys' fees, patent, copyright or trademark infringement, judgments, decrees of whatsoever nature which County may incur as a result of claims, demands, lawsuits or causes of action of any kind or nature arising from, caused by or related to goods/services furnished by Supplier, its officers, employees, agents, partners, principals or subcontractors. Remedies afforded to County by this section are cumulative with and in no way affect any other legal remedy County may have under PO or at law. Supplier's obligations under PO must not be limited by any insurance coverage or by any provision in or exclusion or omission from any policy of insurance.
9. **Insurance.** Supplier, at its sole expense, shall maintain insurance coverage acceptable to County. All policies must name County as an additional insured. All Insurance Certificates must be provided to the Purchasing and Contracts Division within ten (10) days of request. Supplier shall notify County, in writing, of any cancellation, material change, or alteration to Supplier's Certificate of Insurance.
10. **Modifications.** PO may be modified or rescinded in writing by County.
11. **Material Safety Data Sheets.** At time of delivery, Supplier agrees to provide County with a current Material Safety Data Sheet for any hazardous chemicals or toxic substances, as required by law.
12. **Pricing.** Supplier agrees that pricing included on PO shall remain firm through and until delivery of goods and/or completion of services, unless otherwise agreed to by the Parties in writing.
13. **Invoicing & Payment.** After delivery of goods/services by Supplier and acceptance by County, Supplier shall submit a properly certified invoice to: Seminole County Clerk of Court and Comptroller, P.O. Box 8060, Sanford, Florida 32772. Invoices must be billed at pricing stipulated on PO and must include County's Order Number. Thereafter, all payments and interest on any late payments will be paid in compliance with Florida Prompt Payment Act, §218.70, Florida Statutes.
14. **Taxes.** County is exempt from Florida sales tax, federal taxes on transportation charges and any federal excise tax. County will not reimburse Supplier for taxes paid.
15. **Termination.** County may terminate PO, in whole or in part, at any time, either for County's convenience or because of Supplier's failure to fulfill its obligations under PO, by written notice to Supplier. Upon receipt of written notice, Supplier must discontinue all deliveries affected unless written notice directs otherwise. In the event of termination, County will be liable only for materials procured, work completed or services rendered or supplies partially fabricated, within the authorization of PO. In no event will County be liable for incidental or consequential damages by reason of such termination.
16. **Equal Opportunity Employer.** County is an Equal Employment Opportunity ("EEO") employer, and as such, requires all Suppliers to comply with EEO regulations with regards to race, color, religion, sex, national origin, age, disability or genetic information, as may be applicable to Supplier. Any subcontracts entered into, as authorized by County, must make reference to this clause with the same degree of application being encouraged.
17. **Assignment.** Supplier may not assign, transfer, or subcontract PO or any right or obligation under it without County's written consent. Any purported assignment, transfer, or subcontract will be null and void.
18. **Venue & Applicable Law.** The laws of the State of Florida govern validity, enforcement, and interpretation of PO. The sole jurisdiction and venue for any legal action in connection with PO will be in the courts of Seminole County, Florida.
19. **Fiscal Non-Funding.** In the event sufficient budgeted funds are not available for payment to Supplier for a new fiscal period, County shall notify Supplier of such occurrence and PO will terminate on the last day of the current fiscal period without penalty or expense to County.
20. **Public Records.** Supplier acknowledges that PO and any related financial records, audits, reports, plans, correspondence and other documents may be subject to disclosure to members of the public pursuant to Chapter 119, Florida Statutes. Supplier shall maintain all public records and, upon request, provide a copy of requested records or allow records to be inspected within a reasonable time. Supplier shall also ensure that any public records that are exempt or confidential from disclosure are not disclosed except as authorized by law. In event Supplier fails to abide by provisions of Chapter 119, Florida Statutes, County may, without prejudice to any other right or remedy and after giving Supplier seven (7) days written notice, during which period Supplier still fails to allow access to such documents, terminate PO. IF SUPPLIER HAS QUESTIONS REGARDING APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO SUPPLIER'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO PO, CONTACT CUSTODIAN OF PUBLIC RECORDS AT: 407-666-7116, PURCH@SEMINOLECOUNTYFL.GOV, PURCHASING AND CONTRACTS DIVISION, 1301 E. SECOND STREET, SANFORD, FL 32771.
21. **Right to Audit Records.** County will be entitled to audit the books and records of Supplier to the extent that the books and records relate to this PO. Supplier must maintain books and records relating to this PO for a period of three (3) years from the date of final payment under the PO, unless the County authorizes otherwise in writing.
22. **Severability.** If any section, sentence, clause, phrase or portion of PO are, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion will be deemed separate, distinct, and independent and such holding will not affect validity of remaining portion of PO.
23. **Headings & Captions.** All headings and captions contained in PO are provided for convenience only, do not constitute a part of PO, and may not be used to define, describe, interpret or construe any provision of PO.

**Part 4
Price Submittal**

IFB-603865-20/CAR - Term Contract for Traffic Signal Construction and System Communication Equipment

Name of Bidder: Chinchor Electric, Inc.

Mailing Address: 1460 S Leavitt Ave, Orange City, FL 32763

Street Address: 1460 S Leavitt Ave

City/State/Zip: Orange City, FL 32763

Phone Number: (386) 774-1020 FAX Number: (386) 774-7223

E-Mail Address: estimating@chinchoelectric.com

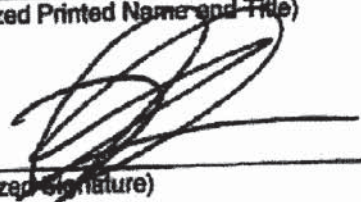
Pursuant to and in compliance with the IFB Documents, the undersigned Bidder agrees to provide and furnish any and all of the labor, material, and tools, equipment, incidentals and transportation services necessary to complete all of the Work required in connection with the required services/commodities all in strict conformity Bid Documents for the amount hereinafter set forth.

The undersigned, as Bidder, declares that the only persons or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any person, firm or corporation; and he proposes and agrees, if the bid is accepted, that he/she will execute a Term Contract with the COUNTY in the form set forth in the Contract Documents; that he/she will furnish the Insurance Certificates.

The cost of the materials/equipment shall include all costs, including but not limited to:

- General Administrative Overhead, fringe and benefits and profit, all documentation required for operation, delivery/transportation of unit(s) to the County's service delivery address, indirect costs, i.e., insurance, etc., indirect labor costs.

Timothy I. Chinchor, President
(Authorized Printed Name and Title)


(Authorized Signature)

Item #	Description		Quantity	Units	Unit Cost	Total
1 102-14	Police Officer during MOT (per officer per hour)					
2 102-104-002	Adjust existing signal head	F/I	1	HR	\$96.90	\$96.90
3 520-1-10	Concrete Curb and Gutter, Type F	F/I	1	EA	\$176.86	\$176.86
4 522-1	Concrete Sidewalk, 4"	F/I	1	LF	\$102.60	\$102.60
5 522-2	Concrete Sidewalk, 6"	F/I	1	SY	\$114.00	\$114.00
6 575-1-8	Sod, Bahia	F/I	1	SY	\$148.20	\$148.20
7 575-1-4	Sod, St. Augustine	F/I	1	SY	\$18.05	\$18.05
8 580-8	Tree Removal/Trimming, per 25'	F/I	1	SY	\$20.15	\$20.15
9 620-1-1	Grounding Electrode	F/I	1	EA	\$353.72	\$353.72
10 620-1-1A	Grounding Array for ITS VMS Signs per FDOT Index	F/I	1	LF	\$13.40	\$13.40
11 630-2-14	Conduit, Above Ground	F/I	1	AS	\$1,126.39	\$1,126.39
12 630-2-11	Conduit, Underground	F/I	1	LF	\$26.06	\$26.06
13 630-2-11A	Conduit Underground 3"	F/I	1	LF	\$14.16	\$14.16
14 630-2-13	Conduit, Jacked	F/I	1	LF	\$16.35	\$16.35
15 630-2-15	Conduit, Bridge Mounted	F/I	1	LF	\$20.52	\$20.52
16 630-2-12	Conduit, Directional Bore	F/I	1	LF	\$32.05	\$32.05
17 630-2-12A	Conduit, Directional Bore 3"	F/I	1	LF	\$24.00	\$24.00
18 632-7-2	Signal Cable	F/I	1	LF	\$25.74	\$25.74
19 632-7-1	Signal Cable	F/I	1	LF	\$21.64	\$21.64
20 633-1A	Fiber Optic Technician	HR	1	HR	\$8,371.59	\$8,371.59
21 633-1-121	Fiber Optic Cable 12 SM	F/I	1	LF	\$83.22	\$83.22
22 633-1-122	Fiber Optic Cable 24 SM	F/I	1	LF	\$1.82	\$1.82
23 633-1-123	Fiber Optic Cable 72 Sm	F/I	1	LF	\$1.94	\$1.94
24 633-1-123A	Fiber Optic Cable 96 SM	F/I	1	LF	\$2.28	\$2.28
25 633-1-300	Fiber Optic Cable, Install Only	F/I	1	LF	\$2.39	\$2.39
26 633-2-31	Fiber Optic Connection, Splice	F/I	1	EA	\$1.25	\$1.25
27 633-2-32	Fiber Optic Connection, Termination	F/I	1	EA	\$39.90	\$39.90
28 633-3-11	Fiber Optic Splice Enclosure 72	F/I	1	EA	\$45.60	\$45.60
29 633-3-11A	Fiber Optic Splice Enclosure 96	F/I	1	EA	\$1,140.00	\$1,140.00
30 633-3-12	Fiber Optic Splice Tray	F/I	1	EA	\$1,151.40	\$1,151.40
31 633-3-14	Fiber Optic Buffer Tube Fan Out	F/I	1	EA	\$51.30	\$51.30
32 633-3-16	Fiber Optic Patch Panel	F/I	1	EA	\$114.00	\$114.00
33 633-3-18	Fiber Optic Connector ST or SC	F/I	1	EA	\$969.00	\$969.00
34 633-3-19	Fiber Optic Pigtail	F/I	1	EA	\$102.60	\$102.60
35 633-3-20	Fiber Optic OTDR Testing, Terminated Strand	F/I	1	EA	\$34.20	\$34.20
36 633-3-30A	Fiber Optic OTDR Testing, Bar Fiber	F/I	1	EA	\$11.40	\$11.40
					\$13.68	\$13.68

Item #	Description		Quantity	Units	Unit Cost	Total	
37	633-8-3	Multi-conductor communication cable.	1	LF	\$5.70	\$5.70	
38	634-4-152	Span Wire Assembly, Diagonal	F/I	1	PI	\$3,147.84	\$3,147.84
39	634-4-112B	Temp. Span, Each Direction (Including poles)	F/I	1	AS	\$11,271.29	\$11,271.29
40	634-4-153	Span Wire Assembly, Box	F/I	1	PI	\$6,409.99	\$6,409.99
41	634-5-1	Fiberglass Insulator	F/I	1	LF	\$42.09	\$42.09
42	634-6-1	Messenger Wire 1/4"	F/I	1	LF	\$2.97	\$2.97
43	634-6-1A	Messenger Wire 3/8"	F/I	1	LF	\$3.56	\$3.56
44	635-2-11	Pull & Junction Box, Ground Mounted w/ Apron	F/I	1	EA	\$710.13	\$710.13
45	635-2-11A	Adjust Pull Box to grade level, Pour Concrete Apron	F/I	1	EA	\$1,018.66	\$1,018.66
46	635-2-12	Pull & Splice Box, 24"x36" Cover Size	F/I	1	EA	\$1,841.90	\$1,841.90
47	635-2-13	Pull & Splice Box, 30"x60" Round Cover	F/I	1	EA	\$3,121.95	\$3,121.95
48	635-3-11	Junction Box, Aerial	F/I	1	EA	\$178.20	\$178.20
49	639-1-112	Electrical Power serv., overhead	F/I	1	AS	\$1,839.21	\$1,839.21
50	639-1-122	Electrical power serv., underground	F/I	1	AS	\$2,018.76	\$2,018.76
51	639-1-113	Electrical power serv., overhead no meter - FPL Area	F/I	1	AS	\$1,719.51	\$1,719.51
52	639-1-123	Electrical power serv., underground no meter - FPL Area	F/I	1	AS	\$1,899.06	\$1,899.06
53	639-2-1	Electrical service wire	F/I	1	LF	\$7.70	\$7.70
54	641-1	Guying Concrete Strain Pole	F/I	1	EA	\$802.59	\$802.59
55	641-2-11	Prestressed Concrete pole, F&I, Type P-II Service Pole	F/I	1	EA	\$1,131.77	\$1,131.77
56	641-2-12	Prestressed Concrete pole, F&I, Type P-II Service Pole	F/I	1	EA	\$1,131.77	\$1,131.77
57	641-2-14	Prestressed Concrete pole 36' Type N IV	F/I	1	EA	\$1,431.02	\$1,431.02
58	641-2-14A	Prestressed Concrete pole 36' Type N IV	IO	1	EA	\$593.12	\$593.12
59	641-2-14B	Prestressed Concrete pole 36' Type N IV	F	1	EA	\$1,077.30	\$1,077.30
60	641-2-14C	Prestressed Concrete pole 40' Type N IV	F/I	1	EA	\$1,502.84	\$1,502.84
61	641-2-14D	Prestressed Concrete pole 40' Type N IV	IO	1	EA	\$593.12	\$593.12
62	641-2-14E	Prestressed Concrete pole 40' Type N IV	F	1	EA	\$1,149.12	\$1,149.12
63	641-2-15	Prestressed Concrete pole 36' Type N V	F/I	1	EA	\$1,628.52	\$1,628.52
64	641-2-15A	Prestressed Concrete pole 36' Type N V	IO	1	EA	\$593.12	\$593.12
65	641-2-15B	Prestressed Concrete pole 36' Type N V	F	1	EA	\$1,274.81	\$1,274.81
66	641-2-15C	Prestressed Concrete pole 40' Type N V	F/I	1	EA	\$2,679.80	\$2,679.80
67	641-2-15D	Prestressed Concrete pole 40' Type N V	IO	1	EA	\$593.12	\$593.12
68	641-2-15E	Prestressed Concrete pole 40' Type N V	F	1	EA	\$1,795.50	\$1,795.50
69	641-2-15F	Prestressed Concrete pole, 44' Type N V	F/I	1	EA	\$3,944.72	\$3,944.72
70	641-2-15G	Prestressed Concrete pole, 44' Type N V	IO	1	EA	\$593.12	\$593.12
71	641-2-15H	Prestressed Concrete pole, 44' Type N V	F	1	EA	\$3,591.00	\$3,591.00
72	641-2-15I	Prestressed Concrete pole, 48' Type N V	F/I	1	EA	\$4,996.79	\$4,996.79

	Item #	Description		Quantity	Units	Unit Cost	Total
73	641-2-15J	Prestressed Concrete pole, 48' Type N V	IO	1	EA	\$593.12	\$593.12
74	641-2-15K	Prestressed Concrete pole, 48' Type N V	F	1	EA	\$1,615.95	\$1,615.95
75	641-1-16	Prestressed Concrete pole, 45' Type N VI	F/I	1	EA	\$6,910.51	\$6,910.51
76	641-2-16A	Prestressed Concrete pole, 45' Type N VI	IO	1	EA	\$593.12	\$593.12
77	641-2-16B	Prestressed Concrete pole, 45' Type N VI	F	1	EA	\$1,735.65	\$1,735.65
78	641-2-16C	Prestressed Concrete pole, 48' Type N VI	F/I	1	EA	\$6,988.31	\$6,988.31
79	641-2-16D	Prestressed Concrete pole, 48' Type N VI	IO	1	EA	\$593.12	\$593.12
80	641-2-16E	Prestressed Concrete pole, 48' Type N VI	F	1	EA	\$1,915.20	\$1,915.20
81	641-2-16F	Prestressed Concrete pole, 52' Type N VI	F/I	1	EA	\$7,155.89	\$7,155.89
82	641-2-16G	Prestressed Concrete pole, 52' Type N VI	IO	1	EA	\$593.12	\$593.12
83	641-2-16H	Prestressed Concrete pole, 52' Type N VI	F	1	EA	\$2,154.60	\$2,154.60
84	641-2-17	Prestressed Concrete pole, 46' Type N VII	F/I	1	EA	\$6,677.09	\$6,677.09
85	641-2-17A	Prestressed Concrete pole, 46' Type N VII	IO	1	EA	\$593.12	\$593.12
86	641-2-17B	Prestressed Concrete pole, 46' Type N VII	F	1	EA	\$1,879.29	\$1,879.29
87	641-2-17C	Prestressed Concrete pole, 48' Type N VII	F/I	1	EA	\$7,395.29	\$7,395.29
88	641-2-17D	Prestressed Concrete pole, 48' Type N VII	IO	1	EA	\$593.12	\$593.12
89	641-2-17E	Prestressed Concrete pole, 48' Type N VII	F	1	EA	\$1,963.08	\$1,963.08
90	641-2-17F	Prestressed Concrete pole, 52' Type N VII	F/I	1	EA	\$9,675.29	\$9,675.29
91	641-2-17G	Prestressed Concrete pole, 52' Type N VII	IO	1	EA	\$593.12	\$593.12
92	641-2-17H	Prestressed Concrete pole, 52' Type N VII	F	1	EA	\$2,549.61	\$2,549.61
93	641-2-17I	Prestressed Concrete pole, 54' Type N VII	F/I	1	EA	\$9,914.69	\$9,914.69
94	641-2-17J	Prestressed Concrete pole, 54' Type N VII	IO	1	EA	\$593.12	\$593.12
95	641-2-17K	Prestressed Concrete pole, 54' Type N VII	F	1	EA	\$2,274.30	\$2,274.30
96	641-2-17L	Prestressed Concrete pole, 56' Type N VII	F/I	1	EA	\$10,034.39	\$10,034.39
97	641-2-17M	Prestressed Concrete pole, 56' Type N VII	IO	1	EA	\$593.12	\$593.12
98	641-2-17N	Prestressed Concrete pole, 56' Type N VII	F	1	EA	\$2,274.30	\$2,274.30
99	641-2-18	Prestressed Concrete pole, 56' Type N VIII	F/I	1	EA	\$10,632.89	\$10,632.89
100	641-2-18A	Prestressed Concrete pole, 60' Type N VIII	F/I	1	EA	\$10,991.99	\$10,991.99
101	641-2-60	Prestressed Concrete pole, Complete Removal, Service pole	R	1	EA	\$176.86	\$176.86
102	641-3-263	Concrete CCTV Pole	F/I	1	EA	\$11,630.39	\$11,630.39
103	643-1	Strain poles guying wood	F/I	1	EA	\$979.45	\$979.45
104	643-130	Strain poles wood, 30'	F/I	1	EA	\$892.37	\$892.37
105	643-140	Strain poles wood, 40'	F/I	1	EA	\$1,012.07	\$1,012.07
106	643-145	Strain poles wood, 45'	F/I	1	EA	\$1,131.77	\$1,131.77
107	643-150	Strain poles wood, 50'	F/I	1	EA	\$1,371.17	\$1,371.17
108	643-600	Strain pole wood, Remove	R	1	EA	\$353.72	\$353.72

Item #	Description		Quantity	Units	Unit Cost	Total
109	646-1-11 Aluminum Signal Pole & Pedestal	F/I	1	EA	\$2,164.35	\$2,164.35
110	646-1-11A Aluminum Signal Pole & Pedestal coated black	F/I	1	EA	\$2,403.75	\$2,403.75
111	646-1-11B Breakaway Pedestal and base only	F/I	1	EA	\$1,924.95	\$1,924.95
112	646-1-12 Aluminum Signal Pole Pedestrian Detector Post	F/I	1	EA	\$2,044.65	\$2,044.65
113	646-1-12A Aluminum Signal Pole Pedestrian Detector Post coated black	F/I	1	EA	\$2,224.20	\$2,224.20
114	647-B Geotechnical Testing for foundations	F	1	PI	\$4,332.00	\$4,332.00
115	647-C Pre-Excavation (per structure)	F	1	EA	\$1,591.74	\$1,591.74
116	647-D Vacuum Excavation / Soft Dig (per structure)	F	1	EA	\$707.44	\$707.44
117	647-E Structure Adjustment (per hour)	F	1	HR	\$114.96	\$114.96
118	647-F Foundation Inspection	F	1	PI	\$4,560.00	\$4,560.00
119	647-G Signal Technician (per hour)	F	1	HR	\$132.64	\$132.64
120	647-H Inspection tube for foundations (per FDOT)	F/I	1	LF	\$47.88	\$47.88
121	648-1A 48" conc. found. For strain poles, PF	F/I	1	LF	\$624.39	\$624.39
122	648-1B 48" conc. found. For mast arms, PF	F/I	1	LF	\$1,396.32	\$1,396.32
123	648-1C 54" Concrete foundation for Mast Arms, PF	F/I	1	LF	\$1,444.20	\$1,444.20
124	648-1D 60" conc. found. For mas arms, PF	F/I	1	LF	\$1,492.08	\$1,492.08
125	648-1E Mast arm extension for 32' upright (Non-Fluted) Sem Co Std	F/I	1	EA	\$1,795.50	\$1,795.50
126	648-1F Mast arm extension for 32' upright (Fluted) Sem Co Std	F/I	1	EA	\$2,633.40	\$2,633.40
127	648-1G Mast arm extension for 32' upright (Non-Fluted) Sem Co Std	F	1	EA	\$1,795.50	\$1,795.50
128	648-1H Mast arm extension for 32' upright (Fluted) Sem Co Std	F	1	EA	\$2,633.40	\$2,633.40
129	648-11-25NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$10,603.20	\$10,603.20
130	648-21-25NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$9,276.75	\$9,276.75
131	648-11-30NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$12,769.77	\$12,769.77
132	648-21-30NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$11,443.32	\$11,443.32
133	648-11-35NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$12,099.45	\$12,099.45
134	648-21-35NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$10,773.00	\$10,773.00
135	648-11-40NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$13,296.45	\$13,296.45
136	648-21-40NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$11,970.00	\$11,970.00
137	648-11-45NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$14,815.90	\$14,815.90
138	648-21-45NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$13,047.30	\$13,047.30
139	648-11-50NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$15,773.50	\$15,773.50
140	648-21-50NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$14,004.90	\$14,004.90
141	648-11-55NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$17,808.40	\$17,808.40
142	648-21-55NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$16,039.80	\$16,039.80
143	648-14-60NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$18,766.00	\$18,766.00
144	648-21-60NF Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$16,997.40	\$16,997.40

	Item #	Description		Quantity	Units	Unit Cost	Total
145	648-11-65NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$19,484.20	\$19,484.20
146	648-21-65NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$17,715.60	\$17,715.60
147	648-11-70NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$20,920.60	\$20,920.60
148	648-21-70NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$19,152.00	\$19,152.00
149	648-11-75NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$23,326.57	\$23,326.57
150	648-21-75NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$21,557.97	\$21,557.97
151	648-11-80NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$25,708.60	\$25,708.60
152	648-21-80NF	Mast arm steel single arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$23,940.00	\$23,940.00
153	648-11-25F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$11,500.95	\$11,500.95
154	648-21-25F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$10,174.50	\$10,174.50
155	648-11-30F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$13,296.45	\$13,296.45
156	648-21-30F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$11,970.00	\$11,970.00
157	648-11-35F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$13,296.45	\$13,296.45
158	648-21-35F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$11,970.00	\$11,970.00
159	648-11-40F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$14,373.75	\$14,373.75
160	648-21-40F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$13,047.30	\$13,047.30
161	648-11-45F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$15,773.50	\$15,773.50
162	648-21-45F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$14,004.90	\$14,004.90
163	648-11-50F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$18,406.90	\$18,406.90
164	648-21-50F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$16,638.30	\$16,638.30
165	648-11-55F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$21,519.10	\$21,519.10
166	648-21-55F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$19,750.50	\$19,750.50
167	648-11-60F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$23,314.60	\$23,314.60
168	648-21-60F	Mast arm steel single arm (Fluted) Sem Co Std 150mph	F	1	EA	\$21,546.00	\$21,546.00
169	648-13-60NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$18,453.29	\$18,453.29
170	648-23-60NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$15,800.40	\$15,800.40
171	648-13-65NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$18,812.39	\$18,812.39
172	648-23-65NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$16,159.50	\$16,159.50
173	648-13-70NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$19,530.59	\$19,530.59
174	648-23-70NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$16,877.70	\$16,877.70
175	648-13-75NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$19,769.99	\$19,769.99
176	648-23-75NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$17,117.10	\$17,117.10
177	648-13-80NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$20,966.99	\$20,966.99
178	648-23-80NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$18,314.10	\$18,314.10
179	648-13-85NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$20,727.59	\$20,727.59
180	648-23-85NF	Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$18,074.70	\$18,074.70

Item #	Description		Quantity	Units	Unit Cost	Total
181	648-13-90NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$23,001.89	\$23,001.89
182	648-23-90NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$20,349.00	\$20,349.00
183	648-13-95NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$24,198.89	\$24,198.89
184	648-23-95NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$21,546.00	\$21,546.00
185	648-13-100NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$25,395.89	\$25,395.89
186	648-23-100NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$22,743.00	\$22,743.00
187	648-13-105NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$27,430.79	\$27,430.79
188	648-23-105NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$24,777.90	\$24,777.90
189	648-13-110NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$27,550.49	\$27,550.49
190	648-23-110NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$24,897.60	\$24,897.60
191	648-13-115NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$27,789.89	\$27,789.89
192	648-23-115NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$25,137.00	\$25,137.00
193	648-13-120NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$28,172.93	\$28,172.93
194	648-23-120NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$25,520.04	\$25,520.04
195	648-13-125NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$28,508.09	\$28,508.09
196	648-23-125NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$25,855.20	\$25,855.20
197	648-13-130NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$29,585.39	\$29,585.39
198	648-23-130NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$26,932.50	\$26,932.50
199	648-13-135NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$29,824.79	\$29,824.79
200	648-23-135NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$27,171.90	\$27,171.90
201	648-13-140NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$32,577.89	\$32,577.89
202	648-23-140NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$29,925.00	\$29,925.00
203	648-13-145NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$36,168.89	\$36,168.89
204	648-23-145NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$33,516.00	\$33,516.00
205	648-13-150NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$36,887.09	\$36,887.09
206	648-23-150NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$34,234.20	\$34,234.20
207	648-13-155NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$38,562.89	\$38,562.89
208	648-23-155NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$35,910.00	\$35,910.00
209	648-13-160NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F/I	1	EA	\$39,759.89	\$39,759.89
210	648-23-160NF Mast arm steel double arm (Non-Fluted) Sem Co Std 150mph	F	1	EA	\$37,107.00	\$37,107.00
211	648-13-60F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$20,847.29	\$20,847.29
212	648-23-60F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	\$18,194.40	\$18,194.40
213	648-13-65F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$22,283.69	\$22,283.69
214	648-23-65F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	\$19,630.80	\$19,630.80
215	648-13-70F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$22,403.39	\$22,403.39
216	648-23-70F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	\$19,750.50	\$19,750.50

Item #	Description		Quantity	Units	Unit Cost	Total
217	648-13-75F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$24,917.09	\$24,917.09
218	648-23-75F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	\$22,264.20	\$22,264.20
219	648-13-80F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	\$25,635.29	\$25,635.29
220	648-23-80F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	\$22,982.40	\$22,982.40
221	648-13-85F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
222	648-23-85F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
223	648-13-90F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
224	648-23-90F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
225	648-13-95F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
226	648-23-95F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
227	648-13-100F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
228	648-23-100F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
229	648-13-105F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
230	648-23-105F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
231	648-13-110F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
232	648-23-110F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
233	648-13-115F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
234	648-23-115F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
235	648-13-120F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F/I	1	EA	No Bid	No Bid
236	648-23-120F Mast arm steel double arm (Fluted) Sem Co Std 150mph	F	1	EA	No Bid	No Bid
237	648-99A Mast arm install only (single arm under 60')	IO	1	EA	\$1,768.60	\$1,768.60
238	648-99B Mast arm install only (single arm 60' and over)	IO	1	EA	\$1,768.60	\$1,768.60
239	648-99C Mast arm install only (double arm all sizes)	IO	1	EA	\$2,652.89	\$2,652.89
240	648-99D Mast arm decorative base (single arm under 60')	F/I	1	EA	\$9,086.44	\$9,086.44
241	648-99E Mast arm decorative base (single arm under 60')	F	1	EA	\$7,182.00	\$7,182.00
242	648-99F Mast arm dec. base (single arm 60' and over)	F/I	1	EA	\$10,283.44	\$10,283.44
243	648-99G Mast arm dec. base (single arm 60' and over)	F	1	EA	\$7,182.00	\$7,182.00
244	648-99H Mast arm dec. base (double arm all sizes)	F/I	1	EA	\$10,881.94	\$10,881.94
245	648-99I Mast arm dec. base (double arm all sizes)	F	1	EA	\$7,182.00	\$7,182.00
246	648-99J Mast arm banner attachment type 1	F	1	EA	\$1,197.00	\$1,197.00
247	648-99K Mast arm banner attachment type 2	F	1	EA	\$897.75	\$897.75
248	648-99L Mast arm add-on factor (1st Additional Item on Mast Arm)	F	1	%	0.00%	\$0.00
249	648-99M Mast arm add-on factor (Each Additional Item on Mast Arm)	F	1	%	0.00%	\$0.00
250	649-31-201 Steel mast arm assembly (36) FDOT Std	F/I	1	EA	\$29,763.58	\$29,763.58
251	649-31-202 Steel mast arm assembly (46) FDOT Std	F/I	1	EA	\$33,593.98	\$33,593.98
252	649-31-203 Steel mast arm assembly (60) FDOT Std	F/I	1	EA	\$39,938.08	\$39,938.08

	Item #	Description		Quantity	Units	Unit Cost	Total
253	649-31-204	Steel mast arm assembly (70.5) FDOT Std	F/I	1	EA	\$42,691.18	\$42,691.18
254	649-31-205	Steel mast arm assembly (78) FDOT Std	F/I	1	EA	\$46,641.28	\$46,641.28
255	649-31-206	Steel mast arm assembly (36 w/ Luminaire) FDOT Std	F/I	1	EA	\$33,833.38	\$33,833.38
256	649-31-207	Steel mast arm assembly (46 w/ Luminaire) FDOT Std	F/I	1	EA	\$37,663.78	\$37,663.78
257	649-31-208	Steel mast arm assembly (60 w/ Luminaire) FDOT Std	F/I	1	EA	\$44,127.58	\$44,127.58
258	649-31-209	Steel mast arm assembly (70.5 w/ Luminaire) FDOT Std	F/I	1	EA	\$45,563.98	\$45,563.98
259	649-31-210	Steel mast arm assembly w/o Lum (36-36) Double Arm FDOT Std	F/I	1	EA	\$37,949.57	\$37,949.57
260	649-32-211	Steel mast arm assembly w/o Lum (36-46) Double Arm FDOT Std	F/I	1	EA	\$42,617.87	\$42,617.87
261	649-32-212	Steel mast arm assembly w/o Lum (36-60) Double Arm FDOT Std	F/I	1	EA	\$48,842.27	\$48,842.27
262	649-32-213	Steel mast arm assembly w/o Lum (36-70.5) Double Arm FDOT Std	F/I	1	EA	\$53,749.97	\$53,749.97
263	649-32-214	Steel mast arm assembly w/o Lum (46-46) Double Arm FDOT Std	F/I	1	EA	\$50,278.67	\$50,278.67
264	649-32-215	Steel mast arm assembly w/o Lum (46-60) Double Arm FDOT Std	F/I	1	EA	\$54,228.77	\$54,228.77
265	649-32-216	Steel mast arm assembly w/o Lum (46-70.5) Double Arm FDOT Std	F/I	1	EA	\$56,024.27	\$56,024.27
266	649-32-217	Steel mast arm assembly w/o Lum (60-60) Double Arm FDOT Std	F/I	1	EA	\$55,784.87	\$55,784.87
267	649-32-218	Steel mast arm assembly w/o Lum (60-70.5) Double Arm FDOT Std	F/I	1	EA	\$61,530.47	\$61,530.47
268	649-32-219	Steel mast arm assembly w/o Lum (70.5-70.5) Double Arm FDOT Std	F/I	1	EA	\$62,966.87	\$62,966.87
269	649-36-300	Mast Arm Remove Shallow Foundation, Bolt on Attachment	F/I	1	EA	\$5,502.89	\$5,502.89
270	649-36-500	Mast Arm Remove Deep/Complete Foundation, Bolt on Attach	F/I	1	EA	\$6,642.89	\$6,642.89
271	649-40A	Steel Mast Arm Re-Coating (single arm and upright)	EA	1	EA	\$4,560.00	\$4,560.00
272	649-40B	Steel Mast Arm Re-Coating (double arm and upright)	EA	1	EA	\$5,130.00	\$5,130.00
273	649-40C	Re-Coating Pedestrian Signal Pole	EA	1	EA	\$1,710.00	\$1,710.00
274	650-1-11	Signal head 12" std 1 section 1 way	F/I	1	EA	\$775.36	\$775.36
275	650-2-106A	Vehicular Signal Auxiliaries - 12" red LED ball	F/I	1	EA	\$124.34	\$124.34
276	650-2-106B	Vehicular Signal Auxiliaries - 12" red LED ball	F	1	EA	\$35.91	\$35.91
277	650-2-106C	Vehicular Signal Auxiliaries - 12" yellow LED ball	F/I	1	EA	\$130.32	\$130.32
278	650-2-106D	Vehicular Signal Auxiliaries - 12" yellow LED ball	F	1	EA	\$41.90	\$41.90
279	650-2-106E	Vehicular Signal Auxiliaries - 12" green LED ball	F/I	1	EA	\$124.34	\$124.34
280	650-2-106F	Vehicular Signal Auxiliaries - 12" green LED ball	F	1	EA	\$35.91	\$35.91
281	650-2-106G	Vehicular Signal Auxiliaries - 12" red LED arrow	F/I	1	EA	\$129.13	\$129.13
282	650-2-106H	Vehicular Signal Auxiliaries - 12" red LED arrow	F	1	EA	\$40.70	\$40.70
283	650-2-106I	Vehicular Signal Auxiliaries - 12" yellow LED arrow	F/I	1	EA	\$129.13	\$129.13
284	650-2-106J	Vehicular Signal Auxiliaries - 12" yellow LED arrow	F	1	EA	\$40.70	\$40.70
285	650-2-106K	Vehicular Signal Auxiliaries - 12" green LED arrow	F/I	1	EA	\$130.32	\$130.32
286	650-2-106L	Vehicular Signal Auxiliaries - 12" green LED arrow	F	1	EA	\$41.90	\$41.90
287	650-3-106M	Install LEDs (per section)	IO	1	EA	\$88.43	\$88.43
288	650-3-106N	Install LEDs (per 3-section head)	IO	1	EA	\$176.86	\$176.86

Item #	Description		Quantity	Units	Unit Cost	Total	
289	650-3-106O	Install LEDs (per 5-section head)					
290	650-1-111P	Signal lens only - pedestrian LED	IO	1	EA	\$176.86	\$176.86
291	650-1-111Q	Signal lens only - pedestrian LED	F/I	1	EA	\$239.40	\$239.40
292	650-1-111R	Signal lens only - pedestrian LED	F	1	EA	\$239.40	\$239.40
293	650-1-111S	Signal lens only - countdown pedestrian LED	IO	1	EA	\$88.43	\$88.43
294	650-1-111T	Signal lens only - countdown pedestrian LED	F/I	1	EA	\$699.87	\$699.87
295	650-1-111U	Signal lens only - countdown pedestrian LED	F	1	EA	\$330.37	\$330.37
296	650-1-1121	Traffic Signal 12" std 1 section 2 way	IO	1	EA	\$176.86	\$176.86
297	650-1-1131	Traffic Signal 12" std 1 section 3 way	F/I	1	EA	\$878.45	\$878.45
298	650-1-1141	Traffic Signal 12" std 1 section 4 way	F/I	1	EA	\$926.33	\$926.33
299	650-1-1311	Traffic Signal 12" std 3 section 1 way	F/I	1	EA	\$1,046.03	\$1,046.03
300	650-1-1321	Traffic Signal 12" std 3 section 2 way	F/I	1	EA	\$1,191.62	\$1,191.62
301	650-1-1331	Traffic Signal 12" std 3 section 3 way	F/I	1	EA	\$1,565.01	\$1,565.01
302	650-3-111	Traffic Signal 12" std 1 section 1 way	F/I	1	EA	\$1,594.93	\$1,594.93
303	650-3-121	Traffic Signal 12" std 1 section 2 way	IO	1	EA	\$176.86	\$176.86
304	650-3-131	Traffic Signal 12" std 1 section 3 way	IO	1	EA	\$176.86	\$176.86
305	650-3-141	Traffic Signal 12" std 1 section 4 way	IO	1	EA	\$176.86	\$176.86
306	650-3-311	Traffic Signal 12" std 3 section 1 way	IO	1	EA	\$176.86	\$176.86
307	650-3-321	Traffic Signal 12" std 3 section 2 way	IO	1	EA	\$265.29	\$265.29
308	650-3-331	Traffic Signal 12" std 3 section 3 way	IO	1	EA	\$353.72	\$353.72
309	650-1-314	Traffic Signal 12" std optically programmed 3S 1W	IO	1	EA	\$353.72	\$353.72
310	650-3-314	Traffic Signal 12" std optically programmed 3S 1W	F/I	1	EA	\$2,867.42	\$2,867.42
311	650-1-411	Traffic Signal 12" std 4 section 1 way Aluminum	IO	1	EA	\$265.29	\$265.29
312	650-1-313	Signal head 12" std lit. wt. 3S, 1W	F/I	1	EA	\$1,355.53	\$1,355.53
313	650-1-323	Signal head 12" std lit. wt. 3S, 2W	F/I	1	EA	\$1,235.83	\$1,235.83
314	650-1-333	Signal head 12" std lit. wt. 3S, 3W	F/I	1	EA	\$1,475.23	\$1,475.23
315	650-3-313	Signal head 12" std lit. wt. 3S, 1W	F/I	1	EA	\$1,594.93	\$1,594.93
316	650-3-323	Signal head 12" std lit. wt. 3S, 2W	IO	1	EA	\$265.29	\$265.29
317	650-3-333	Signal head 12" std lit. wt. 3S, 3W	IO	1	EA	\$353.72	\$353.72
318	650-1-513	Signal head 12" lit. wt. 5S 1W	IO	1	EA	\$353.72	\$353.72
319	650-3-513	Signal head 12" lit. wt. 5S 1W	F/I	1	EA	\$1,639.15	\$1,639.15
320	650-1-523	Signal head 12" lit. wt. 5S 2W	IO	1	EA	\$353.72	\$353.72
321	650-3-523	Signal head 12" lit. wt. 5S 2W	F/I	1	EA	\$2,388.62	\$2,388.62
322	650-1-551	Signal head 12" Std 5S 1W	IO	1	EA	\$353.72	\$353.72
323	650-3-551	Signal head 12" Std 5S 1W	F/I	1	EA	\$1,639.15	\$1,639.15
324	650-1-552	Signal head 12" Std 5S 2W	IO	1	EA	\$353.72	\$353.72
			F/I	1	EA	\$2,388.62	\$2,388.62

	Item #	Description		Quantity	Units	Unit Cost	Total
325	650-3-552	Signal head 12" Std 5S 2W	IO	1	EA	\$353.72	\$353.72
326	650-99A	Relocate Confirmation Light	IO	1	EA	\$88.43	\$88.43
327	653-1-11	Pedestrian Signal, L.E.D. Countdown, int. sym.	F/I	1	EA	\$699.87	\$699.87
328	653-1-31	Pedestrian Signal, L.E.D. Countdown, int. sym.	IO	1	EA	\$176.86	\$176.86
329	653-1-12	Pedestrian Signal, L.E.D. Countdown, int. sym. 2W	F/I	1	EA	\$1,311.32	\$1,311.32
330	653-1-32	Pedestrian Signal, L.E.D. Countdown, int. sym. 2W	IO	1	EA	\$176.86	\$176.86
331	650-2-102	Signal back plates - Black w/Retroreflective border 3 sec head	F/I	1	EA	\$239.40	\$239.40
332	650-2-102A	Signal back plates - Black w/Retroreflective border 3 sec head	F	1	EA	\$161.60	\$161.60
333	650-2-102B	Signal back plates - Black w/Retroreflective border 4 sec head	F/I	1	EA	\$359.10	\$359.10
334	650-2-102C	Signal back plates - Black w/Retroreflective border 4 sec head	F	1	EA	\$215.46	\$215.46
335	650-2-102D	Signal back plates - Black w/Retroreflective border 5 sec head	F/I	1	EA	\$478.80	\$478.80
336	650-2-102E	Signal back plates - Black w/Retroreflective border 5 sec head	F	1	EA	\$239.40	\$239.40
337	654-2-11	Rectangular Rapid Flashing Beacon Assembly (RRFB) AC	F/I	1	EA	\$5,781.24	\$5,781.24
338	654-2-12	Rectangular Rapid Flashing Beacon Assembly (RRFB) AC	F/I	1	EA	\$6,796.00	\$6,796.00
339	654-2-21	Rectangular Rapid Flashing Beacon Assembly (RRFB) Solar	F/I	1	EA	\$6,379.74	\$6,379.74
340	654-2-22	Rectangular Rapid Flashing Beacon Assembly (RRFB) Solar	F/I	1	EA	\$7,155.10	\$7,155.10
341	654-2-30A	Rectangular Rapid Flashing Beacon Assembly (RRFB) AC	IO	1	EA	\$1,591.74	\$1,591.74
342	654-2-30B	Rectangular Rapid Flashing Beacon Assembly (RRFB) Solar	IO	1	EA	\$1,768.60	\$1,768.60
343	660-1-101	Loop detector single channel shelf mount	F/I	1	EA	\$299.25	\$299.25
344	660-1-201	Loop detector single channel shelf mount	F	1	EA	\$179.55	\$179.55
345	660-1-102	Loop detector single channel rack mount	F/I	1	EA	\$299.25	\$299.25
346	660-1-202	Loop detector single channel rack mount	F	1	EA	\$179.55	\$179.55
347	660-1-103	Loop detector dual channel shelf mount	F/I	1	EA	\$299.25	\$299.25
348	660-1-203	Loop detector dual channel shelf mount	F	1	EA	\$179.55	\$179.55
349	660-1-104	Loop detector dual channel rack mount	F/I	1	EA	\$299.25	\$299.25
350	660-1-204	Loop detector dual channel rack mount	F	1	EA	\$179.55	\$179.55
351	660-2-102	Loop assembly Type B (Includes all leadin cable)	F/I	1	EA	\$896.48	\$896.48
352	660-2-102A	Loop assembly Type B (Maintenance loop only)	F/I	1	EA	\$658.43	\$658.43
353	660-2-106	Loop assembly Type F (Includes all leadin cable)	F/I	1	EA	\$1,205.71	\$1,205.71
354	660-2-106A	Loop assembly Type F (Maintenance loop only)	F/I	1	EA	\$1,057.43	\$1,057.43
355	660-3-10	Vehicle Detection System - Microwave	F/I	1	EA	\$1,550.72	\$1,550.72
356	660-3-32	Vehicle Detection System - Microwave	I/O	1	EA	\$884.30	\$884.30
357	660-3-32A	Flir MJPEG detection cameras (temp detection)	I/O	1	EA	\$884.30	\$884.30
358	660-3-32B	Flir MJPEG detection cameras	R	1	EA	\$707.44	\$707.44
359	660-2A	AWG #14 loop lead-in cable	F/I	1	LF	\$2.97	\$2.97
360	663-1-111	Signal Priority and Preemption System - Cabinet Electronics	F/I	1	EA	\$4,537.84	\$4,537.84

Item #	Description		Quantity	Units	Unit Cost	Total
361	663-1-111A	Signal Priority and Preemption System (IR) 1 Direction			\$1,488.18	\$1,488.18
362	663-1-111B	Signal Priority and Preemption System (IR) 2 Directions	F/I	1	EA	\$2,856.66
363	663-1-111C	Signal Priority and Preemption System (IR) 3 Directions	F/I	1	EA	\$4,225.14
364	663-1-111D	Signal Priority and Preemption System (IR) 4 Directions	F/I	1	EA	\$5,833.02
365	663-1-121	Signal Priority and Preemption System (GPS) - 1 Antenna	F/I	1	EA	\$4,475.30
366	663-1-320	Signal priority and preemption system (GPS) complete system	I	1	EA	\$1,414.88
367	663-1-400	Emer. Pre-emption detector relocate- 1 direction	IO	1	EA	\$176.86
368	663-1-400A	Emer. Pre-emption detector relocate- 2 directions	IO	1	EA	\$265.29
369	663-1-400B	Emer. Pre-emption detector relocate- 3 directions	IO	1	EA	\$265.29
370	663-1-400C	Emer. Pre-emption detector relocate- 4 directions	F/I	1	EA	\$353.72
371	660-4-11	Video Vehicle Detection Controller Assembly	F/I	1	EA	\$530.58
372	660-4-10A	Video Vehicle Detector - 1 direction	F/I	1	EA	\$21,176.14
373	660-4-10B	Video Vehicle Detector - 2 directions	F/I	1	EA	\$3,640.09
374	660-4-10C	Video Vehicle Detector - 3 directions	F/I	1	EA	\$6,543.42
375	660-4-10E	Video Vehicle Detector - 4 directions	F/I	1	EA	\$9,913.58
376	660-4-10F	Video Vehicle Detector - 1 directions	F/I	1	EA	\$12,781.00
377	660-4-10G	Video Vehicle Detector - 2 directions	IO	1	EA	\$707.44
378	660-4-10H	Video Vehicle Detector - 3 directions	IO	1	EA	\$1,414.88
379	660-4-10I	Video Vehicle Detector - 4 directions	IO	1	EA	\$2,122.32
380	665-1-11	Pedestrian detector	IO	1	EA	\$2,122.32
381	665-1-11A	Pedestrian detector (det.w/sign only)	IO	1	EA	\$2,829.75
382	665-1-12	Pedestrian Detector accessible	IO	1	EA	\$2,829.75
383	670-4-1	Flashing beacon controller assembly	F/I	1	AS	\$279.95
384	670-110A	Cabinet, base only	F/I	1	AS	\$256.01
385	670-110B	Cabinet, install only	F/I	1	AS	\$2,622.64
386	670-110C	Cabinet, base only (60" by 60")	F/I	1	AS	\$1,545.34
387	671-2-11	Naztec Series 900 TS2 (controller only)	F/I	1	AS	\$2,367.10
388	670-5-112	Type VI Cabinet / Naztec TS2 Type 1	F/I	1	AS	\$2,367.10
389	682-1-133	CCTV Camera, IP, HD, non-pressurized	IO	1	EA	\$2,652.89
390	682-1-333	CCTV Camera, Install Only	IO	1	EA	\$2,367.10
391	682-1-400	CCTV Camera, Relocate	IO	1	EA	\$5,318.58
392	684-6-41	BlueTooth Data Collection Station, Relocate	F/I	1	EA	\$35,137.99
393	685-106	System Auxillary - UPS	F/I	1	AS	\$6,840.00
394	685-206	System Auxillary - UPS	F/I	1	AS	\$6,840.00
395	690-10	Signal head traffic assembly remove	IO	1	EA	\$1,368.00
396	690-20	Signal pedestrian assembly remove	RL	1	EA	\$1,710.00
			RL	1	EA	\$707.44
			F/I	1	EA	\$6,213.64
			F	1	EA	\$5,506.20
			R	1	EA	\$132.64
			R	1	EA	\$66.32

Item #	Description	Quantity	Units	Unit Cost	Total
397	690-30 Pole Removal Wood	1	EA	\$530.58	\$530.58
398	690-31 Signal pedestal remove	1	EA	\$265.29	\$265.29
399	690-32-1S Pole Removal Shallow	1	EA	\$4,647.89	\$4,647.89
400	690-32-1D Pole Removal Deep	1	EA	\$4,932.89	\$4,932.89
401	690-40 Mast arm assembly remove	1	EA	\$1,591.74	\$1,591.74
402	690-50 Controller assembly remove	1	EA	\$1,326.45	\$1,326.45
403	690-50-1 Controller assembly remove, Less foundation	1	EA	\$707.44	\$707.44
404	690-60 Detector Vehicle Assembly, Remove	1	EA	\$26.53	\$26.53
405	690-70 Detector pedestrian assembly remove	1	EA	\$35.37	\$35.37
406	690-80 Span wire assembly remove	1	EA	\$35.37	\$35.37
407	690-90 Conduit and cabling remove	1	EA	\$442.15	\$442.15
408	690-91 Signal Interconnect Cable, Remove	1	EA	\$619.01	\$619.01
409	690-95 Sidewalk removal	1	PI	\$0.80	\$0.80
410	690-100 Signal equipment misc. remove	1	LF	\$88.43	\$88.43
411	700-46-25 Sign existing relocate (aerial)	1	SY	\$530.58	\$530.58
412	700-89-1A Hanging arm assembly	1	PI	\$176.86	\$176.86
413	700-5-22 LED illuminated Street Sign - 6' by 19"	1	AS	\$2,502.94	\$2,502.94
414	700-5-22A LED illuminated Street Sign - 6' by 24"	1	AS	\$2,924.58	\$2,924.58
415	700-5-22B LED illuminated Street Sign - 8' by 19"	1	EA	\$3,403.38	\$3,403.38
416	700-5-22C LED illuminated Street Sign - 8' by 24"	1	EA	\$3,642.78	\$3,642.78
417	700-5-50 Illuminated street id - relocate	1	EA	\$3,882.18	\$3,882.18
418	700-5-60 LED illuminated Street Sign - Remove	1	EA	\$3,882.18	\$3,882.18
419	700-5-60A LED illuminated St. Sign - 6' Retrofit LED Cov. Kit w/ sign face	1	EA	\$176.86	\$176.86
420	700-5-60B LED illuminated St. Sign - 8' Retrofit LED Cov. Kit w/ sign face	1	EA	\$176.86	\$176.86
421	700-5-60C LED illuminated Street Sign - 6' Retrofit LED Conversion Kit	1	EA	\$897.75	\$897.75
422	700-5-60D LED illuminated Street Sign - 8' Retrofit LED Conversion Kit	1	EA	\$897.75	\$897.75
423	700-10-123 Dynamic Message Sign Support Structure - 40'	1	EA	\$957.60	\$957.60
424	700-10-124A Dynamic Message Sign Support Structure - 50'	1	EA	\$359.10	\$359.10
425	700-10-124B Electronic speed feedback sign with flashing beacon (A/C powered)	1	EA	\$718.20	\$718.20
426	700-11-161 Electronic speed feedback sign with flashing beacon (solar powered)	1	EA	\$40,956.89	\$40,956.89
427	700-11-261 Sign beacon/school flasher - A/C (per FDOT Index 11862 sheet 5 of 7)	1	EA	\$53,405.69	\$53,405.69
428	700-12-11 Sign beacon/school flasher - solar (per FDOT Index 11862 sheet 5 of 7)	1	EA	\$56,278.49	\$56,278.49
429	700-12-21 Sign beacon/school flasher - solar or A/C (per FDOT Index 11862 sheet 5 of 7)	1	EA	\$9,132.84	\$9,132.84
430	700-12-41 LED Blank-out sign 30" x 30"	1	EA	\$10,928.34	\$10,928.34
431	700-89-02A LED Blank-out sign 30" x 30"	1	EA	\$3,985.74	\$3,985.74
432	700-89-02B LED Blank-out sign 30" x 30"	1	EA	\$6,140.34	\$6,140.34
				\$1,326.45	\$1,326.45
				\$5,386.50	\$5,386.50
				\$5,917.08	\$5,917.08

Item #	Description	Total	Quantity	Units	Unit Cost	Total
						\$3,931,902.73



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
08/26/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Brown & Brown of Florida, Inc. P.O. Box 2412 Daytona Beach FL 32115-2415	CONTACT NAME: Denise D'Abalo PHONE (A/C, No, Ext): (386) 239-7281 E-MAIL ADDRESS: ddabato@bbdaytona.com	FAX (A/C, No): (386) 323-9121
	INSURER(S) AFFORDING COVERAGE	
INSURED CHINCHOR ELECTRIC, INC. 1460 SOUTH LEAVITT AVE. ORANGE CITY FL 32763	INSURER A: Imperium Insurance Co NAIC # 35408	
	INSURER B: XL Specialty Insurance Company 37885	
	INSURER C: Amerisure Mutual Insurance Co 23396	
	INSURER D: LLOYD'S of London	
	INSURER E: Great American Insurance Company 16691	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** 21-22 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR		POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
		INSR	WVD					
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			CON-IIC-00000475-00	08/30/2021	08/30/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPIOP AGG \$ 2,000,000	
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			CON-IIC-00000474-00	08/30/2021	08/30/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP-Basic \$ 10,000	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0			CON-IIC-00000476-00	08/30/2021	08/30/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000	
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC21060470401	08/30/2021	08/30/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000	
B	INLAND MARINE			UM00058950MA21A	08/30/2021	08/30/2022	RENTED EQUIPMENT \$100,000 INSTALLATION \$250,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
SEE NOTES FOR POLICY COVERAGE FORMS

CERTIFICATE HOLDER

CITY OF SANFORD
300 NORTH PARK AVE

SANFORD FL 32772

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____



ADDITIONAL REMARKS SCHEDULE

Page _____ of _____

AGENCY Brown & Brown of Florida, Inc.		NAMED INSURED CHINCHOR ELECTRIC, INC.	
POLICY NUMBER			
CARRIER	NAIC CODE	EFFECTIVE DATE:	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** Certificate of Liability Insurance: Notes

INSURER D - PROFESSIONAL/POLLUTION LIABILITY

POLICY NUMBER: B0621PCHIN000221
08/30/2021 TO 08/30/2022
PER OCCURENCE: \$1,000,000
AGGREGATE: \$2,000,000

INSURER- E - EXCESS LIABILITY

POLICY NUMBER: TUE 3964300 00
06/15/2021 - 08/30/2022
\$5,000,000 OCC/\$5,000,000 AGG

CURRENT BLANKET POLICY FORMS

GENERAL LIABILITY:

- 1.) HIIG CG2007 1018 - PER PROJECT AGGREGATE; CAP AMOUNT \$15M
- 2.) CG2033 1219 - ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - AUTOMATIC STATUS WHEN REQUIRED BY WRITTEN CONSTRUCTION AGREEMENT WITH YOU
- 3.) CG2037 1219 - ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - COMPLETED OPERATIONS
- 4.) CG2028 1219 - ADDITIONAL INSURED - LESSOR OF LEASED EQUIPMENT
- 5.) CG2011 1219 - ADDITIONAL INSURED - MANAGERS OR LESSORS OF PREMISES
- 6.) CG2032 1219 - ADDITIONAL INSURED - ENGINEERS, ARCHITECTS OR SURVEYORS NOT ENGAGED BY THE NAMED
- 7.) CG2404 1219 - WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US
- 8.) CG2001 1219 - PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION
- 9.) CGHIIG 2028 0614 - CANCELLATION OR NON-RENEWAL TO SPECIFIED PERSONS OR ORGANIZATIONS ENDORSEMENT

AUTO LIABILITY:

- 1.) CA2048 1013 - DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE
- 2.) CA0444 1013 - WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US
- 3.) CA0449 1116 - PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION
- 4.) CA0422 1120 - EARLIER NOTICE OF CANCELLATION PROVIDED BY US

WORKERS COMPENSATION:

- 1.) WC000313 0484-WAIVER OF OUR RIGHT TO RECOVER FROM THE OTHERS ENDORSEMENT
- 2.) WC990902 0607-NOTICE OF CANCELLATION AND NON-RENEWAL TO THIRD PARTIES

UMBRELLA LIABILITY:

- 1.) CX0001 0413 - COMMERCIAL EXCESS LIABILITY COVERAGE FORM (FOLLOW FORM FOR ADDITIONAL INSURED AND WAIVER OF SUBROGATION)
 - 2.) CX 2433 1116 -NONCONTRIBUTORY - OTHER INSURANCE CONDITION
- THE EXCESS POLICY APPLIES IN EXCESS OF THE GENERAL LIABILITY, AUTO LIABILITY AND EMPLOYERS LIABILITY. THE INSURANCE UNDER THIS POLICY WILL FOLLOW THE SAME PROVISIONS, EXCLUSIONS, CONDITIONS AND LIMITATIONS THAT ARE CONTAINED IN THE APPLICABLE CONTROLLING UNDERLYING INSURANCE, UNLESS OTHERWISE DIRECTED BY THIS POLICY.

EQUIPMENT:

- 1.)HCM050 0112-BLANKET LOSS PAYEE

POLLUTION:

- 1.)B0621PCHIN000220 - DESIGN BUILD AND CONTRACTORS PROFESSIONAL LIABILITY, CONTRACTORS POLLUTION LIABILITY, CONTRACTORS MICROBIAL CONDITION LIABILITY, TRANSPORTATION POLLUTION LIABILITY, NON-OWNED DISPOSAL SITE TECHNOLOGY BASED SERVICES, TECHNOLOGY PRODUCTS, COMPUTER NETWORK SECURITY, AND MULTIMEDIA AND ADVERTISING AND PRIVACY LIABILITY INSURANCE (ADDITIONAL INSURED, WAIVER OF SUBROGATION)



PROPOSAL FOR SERVICES

Date: 11/21/22

To: City of Sanford
Street Address: 300N Park Ave
City/State/Zip: Sanford, FL 32772
Phone: 407.688.5000
Fax:

Project Name: Sanford Cemetery Bore
Location: Sanford Cemetery

SCOPE: Chinchor Electric, Inc. proposes boring a new 2" conduit from new power pole to existing service at building. Connecting that bore pipe to the existing meter can and up new pole with riser.

Furnished & Installed by Chinchor Electric, Inc.

- Permit
- Riser drawing
- Bore under cemetery
- Replace 2" conduit at meter can from old service
- Riser on new utility pole
- Run 1/0 conductors good for 150amp service from new utility pole to existing meter

Items Excluded:

- Temporary Power. Can be added to quote if needed.
- Dewatering.
- Power Company fees.
- Maintenance of traffic.
- Bond.
- Patching and any form of painting.
- Concrete, asphalt, gravel, & sod removal, restoration, or repair. Unless specifically stated above.

We shall furnish labor and materials complete and in accordance with above specifications and in compliance with the National Electric Code, Local Code and Standard Practices for the sum of:

Total: \$ 20,425.62

Full payment of all invoices shall be due within 30 days of presentation. Any and all legal fees and costs, collection costs, and court costs which arise out of non-payment of any invoice shall be paid by Customer, regardless of whether formal legal action has been instituted. The venue for any disputes or legal actions related to this agreement shall be Volusia County, Florida. All past due amounts shall bear interest at the rate of 18% per annum or the maximum statutory rate, whichever is less.

- We retain all Florida Lien rights until final payment in full.
- Any deviation from the above specifications resulting in extra work will be executed only upon written order.
- All agreements are contingent upon accidents or delays beyond our control.

- This proposal is subject to **acceptance within ten (10) working days** and is void thereafter at the option of Chinchor Electric, Inc.

Chinchor Electric, Inc.

Contractor

Authorized Signature

Authorized Signature

Date

Date

By signing this proposal you are accepting the terms as outlined above and authorizing Chinchor Electric, Inc. to begin work. In addition you are guaranteeing that Chinchor Electric, Inc. will be paid for the work performed.



CITY OF
SANFORD
FLORIDA



WS _ RM X

Item No. 8.6

CITY COMMISSION MEMORANDUM 22-292
DECEMBER 12, 2022 AGENDA

TO: Honorable Mayor and Members of the City Commission
PREPARED BY: Robert Beall, Operations Manager
SUBMITTED BY: Norton N. Bonaparte, Jr., ICMA-CM, City Manager
SUBJECT: Budget Amendment Resolution No. 3093; Procurement Of Services;
Chinchor Electric, Inc.

STRATEGIC PRIORITIES:

- Unify Downtown & the Waterfront
- Promote the City's Distinct Culture
- Update Regulatory Framework
- Redevelop and Revitalize Disadvantaged Communities

SYNOPSIS:

Approval of Resolution No. 3093, amending the City budget and the approval to procure the services of Chinchor Electric, Inc. are requested.

FISCAL/STAFFING STATEMENT:

Funds in the amount of \$20,426 is available in the General Reserve Fund. The funds will be transferred into the Cemetery Fund account.

BACKGROUND:

Chinchor Electric, Inc. of Orange City, Florida provides electrical services to the City through a competitively bid procurement. The currently requested approval of work is to provide underground electrical service to the Sanford Municipal Cemetery. Earlier this year power was lost to the Cemetery. In order to repair the power a new underground line needs to be installed from the Florida Power and Light transformer to the existing meter box.

The services of Chinchor Electric, Inc. were procured by means of piggybacking a Seminole County contract IFB 603865-20/CAR through # PBA 20/21-28. The piggyback process is a program of cooperative bidding which may be used by public bodies, public entities and political subdivisions throughout the State and it satisfies all purchasing requirements applicable to the City. This process results in the procurement of goods and services at highly competitive pricing without the expenditure of City funds that would otherwise be directed by means of the highly time-intensive procurement processes and procedures that are necessitated by competitive bidding, etc.

The adoption of a budget amendment resolution and authorization to procure services are requested. The services will be procured in accordance with the City's Purchasing Policies and Procedures.

LEGAL REVIEW:

The Assistant City Attorney has reviewed the proposed Resolution and procurement procedure set out in this Agenda memorandum and has no legal objection.

RECOMMENDATION:

City staff recommends that the City Commission approve Resolution No. 3093, to amend the budget, and authorize procurement of needed services from Chinchor Electric, Inc., in an amount not to exceed \$20,426.

SUGGESTED MOTION:

"I move to approve Resolution No. 3093 and approve the proposed procurement of services from Chinchor Electric in an amount not to exceed \$20,426."

- Attachments: (1). Budget Amendment Resolution No. 3093
(2). Piggyback Contract (PBA # 21/22-28)
(3). IFB 603865-20/CAR
(4). Chinchor Proposal