

**AGREEMENT BETWEEN
LAKE COUNTY, FLORIDA AND
HALFF ASSOCIATES, INC.
FOR ENGINEERING AND DESIGN SERVICES FOR CR44 FROM US441 TO SR 19
SAFETY IMPROVEMENT
RSQ #24-934**

This is an Agreement between Lake County, Florida, a political subdivision of the State of Florida ("COUNTY"), and Halff Associates, Inc., its successors and assigns ("CONSULTANT").

WITNESSETH:

WHEREAS, County publicly submitted a Request for Engineering and Design Services for CR44 from US 441 to SR19 Safety Improvement (RSQ #24-934); and

WHEREAS, CONSULTANT desires to perform such services subject to the terms of this Agreement.

NOW, THEREFORE, IN CONSIDERATION of the mutual terms, understandings, conditions, promises, covenants and payment set forth in this Agreement, and intending to be legally bound, the parties hereby agree as follows:

Article 1. Recitals

1.1 The above recitals are true and correct and incorporated in this Agreement.

Article 2. Scope of Professional Services

2.1 On the terms and conditions set forth in this Agreement, COUNTY hereby engages CONSULTANT to provide engineering and design services for CR44 from US441 to SR19 Safety Improvement. (the "Project"), in accordance with the Scope of Work attached as **Attachment A**. The Project will be funded through a Florida Department of Transportation ("FDOT") Local Agency Program ("LAP") Agreement. All Federal Highway Administration regulation and guidelines for use of federal funds will apply to the Project.

2.2 CONSULTANT agrees and acknowledges that time is of the essence in completing the Scope of Work identified in this Agreement. All services must be completed no later than **600 days** after the Notice to Proceed is issued, unless a written change order has been duly executed by both parties. Continuation of the performance period beyond the initial period is a COUNTY prerogative, and not a right of CONSULTANT. This prerogative may only be exercised when such continuation is clearly in the best interest of COUNTY.

2.3 This Agreement will commence upon the date of the purchase order or related Notice to Proceed from COUNTY and will remain in effect until the Project is completed and accepted by COUNTY's authorized representative and until completion of any express or implied warranty periods. CONSULTANT shall maintain, for the entirety of this Agreement, if any, the same prices, terms, and conditions included within this Agreement.

2.4 CONSULTANT shall coordinate, cooperate, and work with any other consultants retained by COUNTY. CONSULTANT acknowledges that nothing in this Agreement will be deemed to preclude COUNTY from retaining the services of other persons or entities undertaking the same

or similar services as those undertaken by CONSULTANT or from independently developing or acquiring materials or programs that are similar to, or competitive with, the services provided under this Agreement.

Article 3. Payment

3.1 The parties agree the total cost of the Project shall not exceed the amount of **\$764,718.44**. COUNTY shall pay CONSULTANT to complete the Scope of Work pursuant to the Pricing Schedule attached as **Attachment B (Lump Sum)**.

3.2 CONSULTANT shall submit monthly invoices to County addressed to Lake County Board of County Commissioners, P.O. Box 7800, Tavares, Florida 32778, unless CONSULTANT is notified in writing by COUNTY of a different address and location of COUNTY's office. Each invoice must contain the Request for Statement of Qualifications (RSQ) number, a detailed description of services and fees, dates and locations of services, and confirmation of acceptance of the goods or services by the appropriate COUNTY representative. CONSULTANT shall keep a travel log indicating all dates of travel, mileage, and other pertinent information.

CONSULTANT may receive periodic payments on a thirty (30) day interval for Project tasks completed during that period by CONSULTANT and approved by COUNTY. Payment will be specific rates of compensation based upon the Pricing Scheduled, attached as Attachment B, but not to exceed the amount listed in paragraph 3.1 above. Retention of funds will be held in accordance with Florida Prompt Payment Act. In order for COUNTY to provide payment, CONSULTANT shall submit a fully documented invoice that provides the basic information set forth above.

3.3 COUNTY shall make payment on all invoices in accordance with the Florida Prompt Payment Act, Chapter 218, Part VII, Florida Statutes. Failure to submit invoices in the prescribed manner will delay payment, and CONSULTANT may be considered in default of contract and the contract may be terminated.

3.4 CONSULTANT hereby agrees and acknowledges that this Agreement is funded through a State of Florida, Department of Transportation, Local Agency Program Agreement (LAP), FPN: 453449-1-38-01. CONSULTANT hereby agrees to comply with all requirements of the funding entity applicable to the use of the monies. CONSULTANT shall additionally comply with all requirements imposed by applicable federal, state or local laws and regulations, including the "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions," in 49 C.F.R., Part 29, when applicable. COUNTY will make a determination of allowable costs in accordance with Federal cost principles. CONSULTANT is advised that payments under this Agreement may be withheld pending completion and submission of all required forms and documents required of CONSULTANT pursuant to the grant funding requirements. A copy of the requirements will be supplied to CONSULTANT upon request.

Article 4. COUNTY's Responsibilities

4.1 COUNTY shall promptly review the deliverables and other materials submitted by CONSULTANT and provide direction to CONSULTANT as needed. COUNTY shall designate one COUNTY staff member to act as COUNTY's Project Manager.

4.2 COUNTY shall reimburse CONSULTANT, in accordance with the provisions of Article 3 above for required services timely submitted and approved by COUNTY in accordance with the terms of this Agreement.

4.3 COUNTY will provide to CONSULTANT all necessary and available data, photos, and documents COUNTY possesses that would be useful to CONSULTANT in the completion of the required services.

Article 5. Special Terms and Conditions

5.1 Qualifications. CONSULTANT shall, during the entire duration including any renewals of this Agreement, be registered with the State of Florida and have obtained at least the minimum thresholds of education and professional experience required by Florida law to perform the services contained in this Agreement. CONSULTANT shall be registered with the Florida Department of State in accordance with Florida law.

5.2 Key Personnel. CONSULTANT agrees that each person listed or referenced in the qualifications package will be available to perform the services described in this Agreement for COUNTY barring illness, accident, or other unforeseeable events of a similar nature in which case CONSULTANT must be able to promptly provide a qualified replacement. In the event CONSULTANT desires to substitute personnel, CONSULTANT shall propose a person with equal or higher qualifications and each replacement person is subject to prior written approval of COUNTY. In the event the requested substitute is not satisfactory to COUNTY and the matter cannot be resolved to the satisfaction of COUNTY, COUNTY reserves the right to terminate this Agreement.

5.3 Termination.

A. **Termination for Convenience:** COUNTY, at its sole discretion, reserves the right to terminate this Agreement upon thirty (30) days written notice. Upon receipt of such notice, CONSULTANT shall not incur any additional costs under this Agreement. COUNTY will be liable only for reasonable costs incurred by the vendor prior to notice of termination. COUNTY will be the sole judge of "reasonable costs."

B. **Termination Due to Unavailability of Continuing Funding:** When funds are not appropriated or otherwise made available to support continuation of performance in a current or subsequent fiscal year, this Agreement will be cancelled and CONSULTANT will be reimbursed for the reasonable value of any non-recurring costs incurred amortized in the price of the supplies or services/tasks delivered under this Agreement.

C. **Termination for Default:** COUNTY reserves the right to terminate this Agreement, in part or in whole, or effect other appropriate remedy in the event CONSULTANT fails to perform in accordance with the terms and conditions stated in this Agreement. COUNTY further reserves the right to suspend or debar CONSULTANT in accordance with COUNTY ordinances, resolutions and administrative orders. CONSULTANT will be notified by letter of COUNTY's intent to terminate. In the event of termination for default, COUNTY may procure the required goods or services from any source and use any method deemed in its best interest. All re-procurement cost will be borne by CONSULTANT.

5.4 Assignment of Agreement. This Agreement may not be assigned or sublet except with the written consent of Lake County's Procurement Services Director on behalf of COUNTY. No such consent will be construed as making COUNTY a party to the assignment or subcontract or subjecting COUNTY to liability of any kind to any assignee, subconsultant or subcontractor. No assignment or subcontract will under any circumstances relieve CONSULTANT of liability and obligations under this Agreement and all transactions with COUNTY must be through CONSULTANT. In the event CONSULTANT is acquired in whole or in part by another entity, including any takeovers effectuated by a stock buyout, or similar acquisition process, CONSULTANT shall notify COUNTY immediately. COUNTY may terminate this Agreement in the event the acquiring entity does not meet with COUNTY's approval.

5.5 Insurance. CONSULTANT shall provide and maintain at all times during the term of this Agreement, without cost or expense to COUNTY, policies of insurance, with a company or companies authorized to do business in the State of Florida, and which are acceptable to COUNTY, insuring CONSULTANT against any and all claims, demands or causes of action whatsoever, for injuries received or damage to property relating to the performance of duties, services and obligations of CONSULTANT under the terms and provisions of this Agreement. CONSULTANT is

responsible for timely provision of all certificates of insurance to COUNTY at the certificate holder address evidencing conformance with the contract requirements at all times throughout the term of the Agreement. policies of insurance, and confirming certificates of insurance, must insure CONSULTANT in accordance with the following minimum limits:

General Liability insurance on forms no more restrictive than the latest edition of the Occurrence Form Commercial General Liability policy (CG 00 01) of the Insurance Services Office or equivalent without restrictive endorsements, with the following minimum limits and coverage:

Each Occurrence/General Aggregate	\$1,000,000/2,000,000
Products-Completed Operations	\$2,000,000
Personal & Adv. Injury	\$1,000,000
Fire Damage	\$50,000
Medical Expense	\$5,000
Contractual Liability	Included

Automobile liability insurance, including owned, non-owned, and hired autos with the following minimum limits and coverage:

Combined Single Limit	\$1,000,000
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Workers' compensation insurance based on proper reporting of classification codes and payroll amounts in accordance with Chapter 440, Florida Statutes, and any other applicable law requiring workers' compensation (Federal, maritime, etc.). If not required by law to maintain workers' compensation insurance, the vendor must provide a notarized statement that if he or she is injured; he or she will not hold County responsible for any payment or compensation.

Employers Liability insurance with the following minimum limits and coverage:

Each Accident	\$1,000,000
Disease-Each Employee	\$1,000,000
Disease-Policy Limit	\$1,000,000

Professional liability and specialty insurance (medical malpractice, engineers, architect, consultant, environmental, pollution, errors and omissions, etc.) insurance as applicable, with minimum limits of \$1,000,000 and annual aggregate of \$2,000,000.

Lake County, a Political Subdivision of the State of Florida, and the Board of County Commissioners, and the Florida Department of Transportation must be named as additional insured as their interest may appear on all applicable liability insurance policies.

All certificates of insurance must provide for a minimum of thirty (30) days prior written notice to COUNTY of any change, cancellation, or nonrenewal of the provided insurance. It is CONSULTANT's specific responsibility to ensure that any such notice is provided within the stated timeframe to the certificate holder.

CONSULTANT shall provide a copy of all policy endorsements, reflecting the required coverage, with COUNTY and the Florida Department of Transportation listed as an additional insured along with all required provisions to include waiver of subrogation. Contracts cannot be completed without this required insurance documentation. *(Note: A simple COI WILL NOT be accepted in lieu of the policy endorsements).*

All certificates of insurance must identify the applicable solicitation number in the Description of Operations section of the Certificate.

Certificate holder must be:

LAKE COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF
FLORIDA, THE BOARD OF COUNTY COMMISSIONERS, AND FLORIDA
DEPARTMENT OF TRANSPORTATION.

P.O. BOX 7800

TAVARES, FL 32778-7800

Certificates of insurance must evidence a waiver of subrogation in favor of COUNTY, that coverage will be primary and noncontributory, and that each evidenced policy includes a Cross Liability or Severability of Interests provision, with no requirement of premium payment by COUNTY.

CONSULTANT shall be responsible for subconsultants and their insurance. Subconsultants are to provide certificates of insurance to CONSULTANT evidencing coverage and terms in accordance with CONSULTANT's requirements. Self-insured retentions are not acceptable.

COUNTY will be exempt from, and in no way liable for, any sums of money, which may represent a deductible in any insurance policy. The payment of such deductible will be the sole responsibility of CONSULTANT or subconsultant providing such insurance.

Failure to obtain and maintain such insurance as set out above will be considered a breach of contract and may result in termination of this Agreement for default.

Neither approval by COUNTY of any insurance supplied by CONSULTANT or subconsultants, nor a failure to disapprove that insurance, will relieve CONSULTANT or subconsultants of full responsibility for liability, damages, and accidents as set forth in this Agreement.

5.6 Conflict of Interest. CONSULTANT hereby certifies that no officer, agent, or employee of COUNTY has any material interest, as defined in Chapter 112, Florida Statutes, either directly or indirectly in CONSULTANT as a business entity, and that no such person will have any such interest at any time during the term of this Agreement unless approved in writing by COUNTY upon consultation with its attorney. The certifications applicable to CONSULTANT, which have been executed by CONSULTANT, are attached as **Attachment C**. County will consider CONSULTANT in default of this Agreement in the event a conflict of interest on the Project is found to exist.

Neither CONSULTANT nor any of its contractors or their subcontractors shall enter into any contract, subcontract or arrangement in connection with the Project or any property included or planned to be included in the Project in which any member, officer or employee of the CONSULTANT or COUNTY during tenure or for 2 years thereafter has any interest, direct or indirect. If any such present or former member, officer or employee involuntarily acquires or had acquired prior to the beginning of tenure any such interest, and if such interest is immediately disclosed to the CONSULTANT, the CONSULTANT, with prior approval of FDOT, may waive the prohibition contained in the paragraph provided that any such present member, officer or employee shall not participate in any action by the CONSULTANT or the COUNTY relating to such contract, subcontract or arrangement. CONSULTANT shall insert in all contracts entered

into in connection with the Project or any property included or planned to be included in any Project, and shall require its contractors to insert in each of their subcontracts, the following provision:

“No member, officer or employee of the CONSULTANT or of the COUNTY during his tenure or for 2 years thereafter shall have any interest, direct or indirect, in this Contract or the proceeds thereof.”

The provisions of this paragraph shall not be applicable to any agreement between the CONSULTANT and its fiscal depositories or to any agreement for utility services the rates for which are fixed or controlled by a governmental agency.

5.7 Public Entity Crimes. A person or affiliate who has been placed on the convicted vendor list following a conviction of a public entity crime may not be awarded or perform work as a consultant, supplier or sub-consultant under a contract with any public entity in excess of the threshold amount provided in Florida Statutes, Section 287.017 for Category Two for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

5.8 Indemnity. Recipient agrees to include the following indemnification in all contracts with contractors, subcontractors, consultants, or subconsultants (each referred to as “Entity” for the purposes of the below indemnification) who perform work in connection with this Agreement:

To the extent provided by law, CONSULTANT shall indemnify, defend, and hold harmless the COUNTY and the State of Florida, Department of Transportation, including the DEPARTMENT’s officers, agents, and employees, against any actions, claims, or damages arising out of, relating to, or resulting from negligent or wrongful act(s) of CONSULTANT, or any of its officers, agents, or employees, acting within the scope of their office or employment, in connection with the rights granted to or exercised by CONSULTANT.

The foregoing indemnification shall not constitute a waiver of the DEPARTMENT’s or COUNTY’s sovereign immunity beyond the limits set forth in Florida Statutes, Section 768.28. Nor shall the same be construed to constitute agreement by CONSULTANT to indemnify COUNTY for the negligent acts or omissions of COUNTY, its officers, agents, or employees, or third parties. Nor shall the same be construed to constitute agreement by CONSULTANT to indemnify the Department for the negligent acts or omissions of the DEPARTMENT, its officers, agents, or employees, or third parties. This indemnification shall survive the termination of this Agreement.

5.9 Independent Contractor. CONSULTANT agrees that it will be acting as an independent contractor and will not be considered or deemed to be an agent, employee, joint venturer, or partner of COUNTY. CONSULTANT will have no authority to contract for or bind COUNTY in any manner and shall not represent itself as an agent of COUNTY or as otherwise authorized to act for or on behalf of COUNTY.

5.10 Ownership of Deliverables. Upon completion of and payment for a task, CONSULTANT agrees that all tasks and deliverables under this Agreement, and other data generated or developed by CONSULTANT under this Agreement or furnished by COUNTY to CONSULTANT will be and remain the property of COUNTY. CONSULTANT shall perform any acts that may be deemed necessary or desirable by COUNTY to more fully transfer ownership of all tasks and deliverables to COUNTY, at COUNTY’s expense. Additionally, CONSULTANT hereby represents and warrants that it has full right and authority to perform its obligations specified in this Agreement. CONSULTANT and COUNTY recognize that CONSULTANT’s work product submitted in

performance of this Agreement is intended only for the Project described in this Agreement. COUNTY's alteration of CONSULTANT's work product or its use by COUNTY for any other purpose will be at COUNTY's sole risk.

5.11 Return of Materials. Upon the request of COUNTY, but in any event upon termination of this Agreement, CONSULTANT shall surrender to COUNTY all memoranda, notes, records, drawings, manuals, computer software, and other documents or materials pertaining to the services under this Agreement, that were furnished to CONSULTANT by COUNTY pursuant to this Agreement. CONSULTANT may keep copies of all work product for its records.

5.12 Delays. No claim for damages or any claim other than for an extension of time will be made or asserted against COUNTY by reason of any delays. No interruption, interference, inefficiency, suspension or delay in the commencement or progress of the work from any cause whatsoever, will relieve CONSULTANT of its duty to perform or give rise to any right to damages or additional compensation from COUNTY. CONSULTANT expressly acknowledges and agrees that CONSULTANT will receive no damages for delay. CONSULTANT's sole remedy, if any, against COUNTY will be the right to seek an extension to the contract time. However, this provision will not preclude recovery of damages by CONSULTANT for hindrances or delays due solely to fraud, bad faith, or active interference on the part of COUNTY. Otherwise, CONSULTANT will be entitled to extensions of the contract time as the sole and exclusive remedy for such resulting delay, in accordance with and to the extent specifically provided above.

The parties will exercise every reasonable effort to meet their respective obligations under this Agreement. Notwithstanding the above, the parties will not be liable for delays resulting from force majeure or other causes beyond their reasonable control, including, but not limited to, compliance with any government law or regulation, acts of nature, acts or omissions of the other party, government acts or omissions, fires, strikes, natural disasters, wars, riots, transportation problems or any cause whatsoever beyond the reasonable control of the parties. Any such cause will extend the performance of the delayed obligation to the extent of the delay so incurred.

5.13 Accuracy and Warranty. CONSULTANT is responsible for the professional quality, technical accuracy, timely completion and coordination of all the services furnished under this Agreement. CONSULTANT shall, without additional compensation, correct or revise any errors, omissions or other deficiencies in its designs, drawings, reports or other services. Any corrections must be made within thirty (30) calendar days after such deficiencies or non-conformances are verbally reported by COUNTY. CONSULTANT agrees that the products and services provided under this Agreement will be covered by the most favorable commercial warranty that CONSULTANT gives to any customer for comparable products and services.

5.14 Truth in Negotiation Certificate. By signing this Agreement, CONSULTANT represents that it has executed FDOT's truth in negotiation certification.

5.15 Codes and Regulations. All work completed under this Agreement must conform to all applicable federal, state, and local laws.

5.16 Prohibition Against Contingent Fees. CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for CONSULTANT, 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 CONSULTANT, any fee, commission, percentage, gift or other consideration contingent or resulting from the award or making of this Agreement.

5.17 Public Records/Copyrights.

A. All electronic files, audio and video recordings, and all papers pertaining to any activity performed by CONSULTANT for or on behalf of COUNTY will be the property of COUNTY and will be turned over to COUNTY upon request. In accordance with Chapter 119, Florida Statutes, each file and all papers pertaining to any activities performed for or on behalf of County are public records available for inspection by any person even if the file or paper resides in CONSULTANT's office or facility. CONSULTANT shall maintain the files and papers for not less than five (5) complete calendar years after the Project has been completed or terminated, and in accordance with any grant requirements, whichever is longer. Prior to the completion of the Project or termination of this Agreement, CONSULTANT shall appoint a records custodian to handle any records request and provide the custodian's name, mailing address, and telephone number to COUNTY.

B. Any copyright derived from this Agreement will belong to the author. The author and CONSULTANT shall expressly assign to COUNTY nonexclusive, royalty free rights to use any and all information provided by CONSULTANT in any deliverable medium for COUNTY's use which may include publishing in COUNTY documents and distribution as COUNTY deems to be in COUNTY's best interests. If anything included in any deliverable limits the rights of COUNTY to use the information, the deliverable will be considered defective and not acceptable and CONSULTANT will not be eligible for any compensation.

C. Pursuant to Section 119.0701, Florida Statutes, CONSULTANT shall comply with the Florida Public Records' laws, and shall:

1. Keep and maintain public records required by COUNTY to perform the services identified in this Agreement.
2. CONSULTANT shall retain all records pertaining to this Agreement for five (5) complete calendar years following expiration of the Agreement.
3. Upon request from COUNTY's custodian of public records, provide COUNTY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided for by law.
4. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if CONSULTANT does not transfer the records to COUNTY.
5. Upon completion of the contract, transfer, at no cost, to COUNTY all public records in possession of CONSULTANT or keep and maintain public records required by COUNTY to perform the service. If CONSULTANT transfers all public records to COUNTY upon completion of the contract, CONSULTANT shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If CONSULTANT keeps and maintains public records upon completion of the contract, CONSULTANT shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to COUNTY, upon request from COUNTY's custodian of public records, in a format that is compatible with the information technology systems of COUNTY.

IF CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS, AT P.O. BOX 7800, TAVARES, FL 32778, 352-343-9839, OR VIA EMAIL AT PURCHASING@LAKECOUNTYFL.GOV.

5.18 Right to Audit. County reserves the right to require CONSULTANT to submit to an audit, by any auditor of County's choosing. CONSULTANT shall provide access to all of its records, which relate directly or indirectly to this Agreement at its place of business during regular business hours. CONSULTANT shall retain all records pertaining to this Agreement and upon request make them available to County for five (5) complete calendar years following expiration of the Agreement. CONSULTANT agrees to provide such assistance as may be necessary to facilitate the review or audit by County to ensure compliance with applicable accounting and financial standards.

If CONSULTANT provides technology services, CONSULTANT must provide Statement of Standards for Attestations Engagements (SSAE) 16 or 18 and System and Service Organization Control (SOC) reports upon request by County. The SOC reports must be full Type II reports that include CONSULTANT's description of control processes, and the independent auditor's evaluation of the design and operating effectiveness of controls. The cost of the reports will be paid by CONSULTANT.

If an audit inspection or examination pursuant to this section discloses overpricing or overcharges of any nature by CONSULTANT to County in excess of one percent (1%) of the total contract billings, in addition to making adjustments for the overcharges, the reasonable actual cost of County's audit must be reimbursed to County by CONSULTANT. Any adjustments or payments which must be made as a result of any such audit or inspection of CONSULTANT's invoices or records must be made within a reasonable amount of time, but in no event may the time exceed ninety (90) calendar days, from presentation of County's audit findings to CONSULTANT.

This provision is hereby considered to be included within, and applicable to, any subcontractor agreement entered into by CONSULTANT in performance of any work under this Agreement.

5.19 FDOT Inspections. CONSULTANT shall provide all information and reports required by any regulations or directives issued pursuant to those regulations, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by FDOT, the Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, or the Federal Motor Carrier Safety Administration to be pertinent to ascertain compliance with such regulations, orders and instructions. Where any information required of CONSULTANT is in the exclusive possession of another who fails or refuses to furnish this information, CONSULTANT shall so certify to FDOT, the Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, or the Federal Motor Carrier Safety Administration as appropriate, and shall set forth what efforts it has made to obtain the information. If FDOT unilaterally cancels the LAP Agreement between FDOT and COUNTY for refusal of CONSULTANT to allow public access to all documents, papers, letters or other

materials subject to the provisions of Chapter 119, Florida Statutes, made or received in conjunction with this Agreement, COUNTY will have the right to unilaterally terminate this Agreement for cause. COUNTY reserves all legal rights and remedies to recover from CONSULTANT any funds paid under this Agreement that are not reimbursed through the LAP Agreement if COUNTY exercises its termination rights under this Agreement.

5.20 Terms for Federal-Aid Contracts. CONSULTANT acknowledges that this Agreement will be furnished to COUNTY, FDOT, and a federal agency in connection with this contract involving participation of Federal-Aid funds, and is subject to applicable State and Federal Laws, both criminal and civil. CONSULTANT shall comply with the Local Agency Program Federal-Aid Terms for Professional Services Contracts (375-040-84), a copy of which is attached hereto as **Attachment D** and incorporated herein, as a part of this Agreement.

5.21 Drug-Free Workplace. CONSULTANT certifies that it has and will provide a drug-free workplace program throughout the duration of providing services under this Agreement, as defined in Section 287.087, Florida Statutes.

5.22 Public Evaluation. At the end of the contract period, the parties agree that COUNTY will evaluate CONSULTANT's performance. This evaluation will consist of a meeting with CONSULTANT's authorized representative and the Lake County Public Works Department Director or designee and a review of the Project file done at the completion of the Project to determine whether the Project was completed by CONSULTANT, and any subconsultants, in accordance with this Agreement and the services completed to the satisfaction of COUNTY. This evaluation will become public record.

5.23 E-Verify. CONSULTANT shall utilize the U.S. Department of Homeland Security's E-Verify system in accordance with the terms governing use of the system to confirm the employment eligibility of all new persons hired by CONSULTANT during the term of this Agreement. CONSULTANT shall include in all contracts with subcontractors or subconsultants performing work pursuant to any contract arising from this Agreement an express requirement that the subcontractors or subconsultants utilize the U.S. Department of Homeland Security's E-Verify system in accordance with the terms governing use of the system to confirm the employment eligibility of all new employees hired by the subcontractors or subconsultants during the term of the contract.

5.24 LAP Agreement. CONSULTANT acknowledges this Project will be funded through a Florida Department of Transportation ("FDOT") Local Agency Program ("LAP") and that a LAP Agreement will/has been entered between FDOT and COUNTY. CONSULTANT may request a copy of the LAP Agreement from COUNTY.

5.25 Certification Regarding Scrutinized Companies Lists. By executing this Agreement, CONSULTANT hereby certifies that, pursuant to Section 287.135, Florida Statutes, it is not listed on the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies with Activities in Sudan List, is not listed on the Scrutinized Companies that Boycott Israel and is not participating in a boycott of Israel and is not engaged in business operations in Cuba or Syria. CONSULTANT understands that pursuant to Section 287.135, Florida Statutes, the submission of a false certification may subject it to civil penalties, attorneys' fees, and costs. CONSULTANT further understands that any contract with COUNTY for goods or services of \$1 million or more may be terminated at the option of COUNTY if CONSULTANT is found to have submitted a false certification or has been listed on the Scrutinized Companies

with activities in the Iran Petroleum Energy Sector List or the Scrutinized Companies with Activities in Sudan List, is listed on the Scrutinized Companies that Boycott Israel list or is participating in a boycott of Israel, or is engaged in business operations in Cuba or Syria.

Article 6. Miscellaneous Provisions

6.1 This Agreement is made under, and in all respects will be interpreted, construed, and governed by and in accordance with, the laws of the State of Florida. Venue for any legal action resulting from this Agreement will lie in Lake County, Florida and trial will be non-jury.

6.2 Neither party may assign any rights or obligations under this Agreement to any other party unless specific written permission from the other party is obtained.

6.3 The captions utilized in this Agreement are for the purposes of identification only and do not control or affect the meaning or construction of any of the provisions of this Agreement.

6.4 This Agreement will be binding upon and will inure to the benefit of each of the parties and of their respective successors and permitted assigns.

6.5 This Agreement may not be amended, released, discharged, rescinded or abandoned, except by a written instrument duly executed by each of the parties.

6.6 The failure of any party at any time to enforce any of the provisions of this Agreement will in no way constitute or be construed as a waiver of such provision or of any other provision of this Agreement, nor in any way affect the validity of, or the right to enforce, each and every provision of this Agreement.

6.7 Any individual, corporation, or other entity that attempts to meet its contractual obligations with COUNTY through fraud, misrepresentation or material misstatement, may be debarred for up to five (5) years. COUNTY, as a further sanction, may terminate or cancel any other contracts with such individual, corporation, or entity. Such individual or entity will be responsible for all direct or indirect costs associated with termination or cancellation, including attorneys' fees.

6.8 CONSULTANT shall act as the prime CONSULTANT for all required items and services and shall assume full responsibility for the procurement and maintenance of such items and services under this Agreement. CONSULTANT shall be considered the sole point of contact with regards to all stipulations, including payment of all charges and meeting all requirements of this Agreement. All subconsultants will be subject to advance review by COUNTY in terms of competency and security concerns. No change in subconsultants may be made without consent of COUNTY. CONSULTANT will be responsible for all insurance, permits, licenses and related matters for any and all subconsultants. COUNTY may require CONSULTANT to provide any of the subconsultant's insurance certificates required by the work to be performed.

6.9 The invalidity or unenforceability of any particular provision of this Agreement will not affect the other provisions of this Agreement, and this Agreement will be construed in all respects as if such invalid or unenforceable provisions were omitted.

6.10 Wherever provision is made in this Agreement for the giving, service or delivery of any notice, statement or other instrument, such notice must be in writing and will be deemed to have been duly given, served and delivered, if delivered by hand or mailed by United States registered or certified mail, addressed as follows:

If to CONSULTANT

Halff Associates, Inc.
902 North Sinclair Avenue
Tavares, FL 32778

If to COUNTY:

Lake County Manager
315 West Main Street
Post Office Box 7800
Tavares, Florida 32778-7800

Each party may change its mailing address by giving to the other party, by hand delivery, United States registered or certified mail notice of election to change such address.

Article 7. Scope of Agreement

7.1 This Agreement is intended by the parties to be the final expression of their Agreement, and it constitutes the full and entire understanding between the parties with respect to the subject of this Agreement, notwithstanding any representations, statements, or agreements to the contrary previously made. Any items not covered under this Agreement will need to be added via written addendum, and pricing negotiated based on final specifications.

7.2 This Agreement contains the following Attachments, all of which are incorporated in this Agreement:

Attachment A	Scope of Work
Attachment B	Pricing Schedule
Attachment C	Certifications
Attachment D	Local Agency Program Federal-Aid Terms

IN WITNESS WHEREOF, the parties have made and executed this Agreement on the respective dates under each signature: COUNTY through its Board of County Commissioners, signing by and through its Chair and by CONSULTANT through its duly authorized representative.

CONTRACTOR
HALFF ASSOCIATES, INC.



Duane K. Booth, P.E.
Vice President, Tavares Operations
Manager License: 44631
This 29th day of May, 2026.

COUNTY

LAKE COUNTY, FLORIDA, through its
BOARD OF COUNTY COMMISSIONERS

Leslie Campione for
Leslie Campione, Chairman

This 23 day of June, 2026.

ATTEST:

Gary Cooney
Gary Cooney, Clerk
Board of County Commissioners
of Lake County, Florida



Approved as to form and legality:

Melanie Marsh 6/23/26
Melanie Marsh
County Attorney

ATTACHMENT A
SCOPE OF WORK AND SPECIFIC CONTRACT
REQUIREMENTS

1. BACKGROUND

- 1.1. A qualified Engineering Firm shall provide design services for the CR 44 Road Project located in Lake County, Florida. The project is funded with federal funds under Florida Department of Transportation (FDOT) Local Agency Program (LAP) FM No. 453449-1-38-01. The CR 44 Safety project study was completed in September of 2023. The link to the final safety study can be found here: https://cdn.lakecountyfl.gov/media/npqlnxkw/cr-44-from-us-441-to-sr-19-lane-departure-safety-study-20230926_final.pdf. The scope of the project is to follow the long-term recommendations from the final FDOT safety study.
- 1.2. The project consists of the design services for safety improvements along CR 44 from US 441 to SR 19, approximately 10.9 miles in length. The design will include 8-foot shoulders (4-foot minimum paved) along both sides of the roadway along certain segments of the roadway. Additional improvements along the corridor include RRFB's and lighting at marked crosswalks at Egret Lane/Rotary Drive and Turquoise Way, a speed feedback sign at Sparrow Lane, and turn lanes at Gator Bay Bar and Grill driveway, Camellia Drive, and Durastress east driveway. Utility coordination is required. The selected firm shall be responsible for the preparation and submittal of a technical memorandum providing the supporting documentation, as well as independent reports needed, for all items on the Type 1 Categorical Exclusion (CE) Checklist. Consultant shall not be responsible for filling out the actual form. FDOT will prepare the checklist using the supplied information. All principal investigators for the archaeological, historical and architectural sections of the Type 1 CE shall meet the minimum requirements stated in Florida Administrative Code (Chapter 1A-46 and the Code of Federal Regulations, 36 C.F.R 61.
 - Surveying including topographic, above and below ground utilities and right of way will be required. The Consultant will be required to coordinate with the County's staff on plan review, as the project is being funded by FDOT LAP agreement. Consultant shall prepare Division II and III specifications, and the County will prepare Division I specifications and the bid documents based on FDOT Standard Plans and Specifications and Florida Greenbook (the edition in place at the time of bid opening). The governing Standard **Plans and Specifications** must be the edition in place at the time of bid opening when referencing FDOT Standard Specifications.

2. DEFINITIONS

The following terms or pronouns used in place of them, will have the following meanings:

- 2.1. Addendum – A modification, revision or clarification of this RSQ.
- 2.2. BCC Board of County Commissioners - The governing board for Lake County, Florida.
- 2.3. Consultant – The Professional Engineer or Engineering Firm registered in the State of Florida who performs Professional Engineering Services for County, other than County personnel. The awarded respondent.
- 2.4. County – Lake County, Florida
- 2.5. CCNA – Consultants' Competitive Negotiation Act, Florida Statute 287.055
- 2.6. FDOT - Florida Department of Transportation
- 2.7. FHWA – Federal Highway Administration
- 2.8. LAP - Local Agency Program
- 2.9. RSQ – Request for Proposal – A formal solicitation inviting proposals from qualified firms.

- 2.10. Response - The information package submitted by qualified firms.
- 2.11. Respondent, Consultant, Firm, You and Your - Consultant, person, firm, or corporation who submits a response.
- 2.12. Shall, Must or Will – Indicates a mandatory requirement or condition, the material deviation from which will not be waived by County.
- 2.13. Should or May - Are permissive in nature. Deviation from such a condition or requirement will not by itself cause automatic rejection of a qualifications package but may be a factor considered in the overall evaluation process.

3. GENERAL REQUIREMENTS

- 3.1. Consultant shall refer to County's "Expected Deliverable Guidelines" for additional expectations for completion of project milestones and deliverables.
- 3.2. Consultant shall prepare a project schedule and present to County at the project kickoff meeting.
- 3.3. Consultant shall create and prepare project deliverable Cad files utilizing AutoCAD. Microstation files converted to AutoCAD shall not be acceptable.
- 3.4. Consultant construct and maintain a web page detailing the project.
- 3.5. Consultant shall schedule, conduct, and present all public meetings according to the approved public meeting scope and public meeting checklist.
- 3.6. Consultant shall advertise and notify the public of the public meeting schedule and location according to the approved public meeting scope and public meeting checklist.
- 3.7. Consultant will attend monthly progress meetings for the life of the project at the Public Works Department facility. At the discretion of County, telephone conference calls may substitute for face-to-face meetings.

4. SURVEY REQUIREMENTS

- 4.1. Consultant shall prepare the Record Survey under the direction and supervision of a Professional Surveyor and Mapper licensed in the State of Florida. Survey shall be in accordance with the adopted "Standards of Practice" for Land Surveying as required by Chapter 5J-17, Florida Administrative Code pursuant to Section 472.027, Florida State Statutes".
- 4.2. Consultant shall submit all survey notes and computations to document the surveys. All field survey work shall be recorded and submitted to County. Field notes shall include all sketches, bench level runs and instrument set up information that supports electronic data collection methodology. Computations shall include any adjustment reports for Horizontal and Vertical control.
- 4.3. Consultant shall establish or recover Horizontal Project Control (HPC) relative to Florida State Plane Coordinate System, Florida East Zone, 1983 North American Datum, and 1990 Adjustment (NAD83/90). All Primary Control values shall be established with independent, redundant measurement methods. A report depicting residual statistics shall be submitted with the computations portion of the project report.
- 4.4. Consultant shall establish or recover Vertical Project Control (VPC) relative to North American Vertical Datum 1988 (NAVD88). Benchmarks shall be placed at intervals not to exceed 500 feet along the project route and in safe areas that minimize the possibility of the mark being lost or disturbed.

- 4.5. Prior to beginning survey, Consultant will request a copy of a Right of Way package from County Right of Way Supervisor. This package will include all the right of way information available in the County Public Works Department.
- 4.6. Consultant shall recover monumentation along existing right of way lines according to all available recorded Public Records. Establish, recover, or re-establish project alignment. Also includes analysis and processing of all field collected data, existing maps, and/or reports for identifying existing right of way lines per County maps, platted or dedicated rights of way. Survey shall show existing recorded right of way with recording information for the dedication document clearly identified (deed, plat, court order, or recorded maintenance or right of way maps). This information shall include intersecting side street right of way shown on the survey. All other evidence of right of way that is shown on the survey shall be shown in different line type, with the source clearly identified (i.e. property line per deed, State Road Department (SRD)/FDOT monument found, RW per unrecorded plat, recorded plat, etc.)
- 4.7. Consultant shall file Certified Corner Records (CCR) to Florida Department of Environmental Protection unless one already exists in the state database. Included shall be Section Corners, $\frac{1}{4}$ Section Corners or other General Land Office (G.L.O.) recognized corners.
- 4.8. Consultant shall map existing conditions to include (but not limited to) location and identification of all constructed or fixed improvements and features within the survey area, identification and location of all relevant property information such as deed lines, plat lines, designated roads, right of way lines, easements and other matters of public record or information referenced in title report. In addition, a 2-dimension location of any Jurisdictional Wetlands that fall within the scope limits will be located. A notation of the environmental agency that performed the wetlands designation shall be depicted on the survey. When required, elevation data with sufficient density and coverage to develop a Digital Terrain Model supported by determining all existing break lines and high and low points. Ground elevations shall extend a minimum of 25 feet beyond survey limits. Survey limits may change due to certain conditions and any request for deviation from the original scope must be submitted in writing and approved by County.
- 4.9. Consultant shall comply with all Right of Way Engineering Project Requirements as set forth by County Public Works / Engineering / Right of Way Section.
- 4.10. Consultant shall contact Sunshine One Call @ 811 for utility designation. Include 2-dimensional collection of existing utilities and selected 3-dimensional verification as needed for designation. Location includes non-destructive excavation to determine size, type and location of existing utility, as necessary for final 3-dimensional verification. Survey includes collection of data on points as needed for designates and locates. Includes analysis and processing of all field collected data, and delivery of all appropriate electronic files.
- 4.11. Consultant shall detail existing underground storm water and sanitary sewer structures including pipe size, type, condition, and flow direction. Included shall be at least one structure outside the scope limits and in some cases the extent of the system outfall shall be investigated and included in the mapping.
- 4.12. Consultant shall map any water bodies that fall within the scope limits. If available, the Base Flood Elevation should be determined and shown.
- 4.13. Contractors and subcontractors must have capability to work from plans in AutoCAD format. County does not provide hard copy detailed plans for the purpose of survey stakeout.

- 4.14. The Final signed and sealed survey shall be provided to the Project Manager for review by County. Upon approval, three (3) signed and sealed copies of the survey, along with an electronic file in appropriate format shall be provided to the Project Manager for distribution to County.

5. PLAN DELIVERABLES

5.1. Expected Plan sheet Divisions:

<u>NO.</u>	<u>DESCRIPTION</u>
1	COVER / KEY SHEET
2	DRAINAGE MAP
3-4	TYPICAL SECTIONS
5-6	GENERAL NOTES
7-8	PROJECT LAYOUT
9-10	REFERENCE POINTS / CONTROL
11-12	ROADWAY PLAN
13-14	ROADWAY PROFILE
15-16	SPECIAL PROFILES
17-18	DRIVEWAY DETAILS
19-20	DRAINAGE STRUCTURE DATA
21-22	CROSS SECTION PATTERN
23-24	CROSS SECTIONS
25-26	SIGNING AND MARKING PLAN
27-28	STORMWATER POLLUTION PREVENTION PLAN
29-30	EROSIONS CONTROL PLAN
31-32	TRAFFIC CONTROL PLAN
33-34	UTILITY ADJUSTMENT PLAN
35-36	SIGNALIZATION PLAN
37-38	GEOTECHNICAL PLAN

5.2. General Plan sheet requirements:

- 5.2.1. Plan production (e.g., size and scale) are to be provided in accordance with the Florida Greenbook.

5.2.1.1. Post Designs Services are not included or required.

- 5.2.2. Plans shall be printed to standard scale to size B (11"x17").

- 5.2.3. Plotting scales should typically be provided as follows:

5.2.3.1. Plan & Profile – horizontal scale of 1" = 40', vertical scale should typically be 10% of horizontal scale.

5.2.3.2. Roadway Cross Sections – horizontal scale of 1" = 20', but not smaller than 1" = 40', vertical scale should be 50% of horizontal scale.

5.2.3.3. Drainage Structure Sections – horizontal scale of 1" = 10', vertical scale 50% of horizontal scale

- 5.2.3.4. Signage & Marking – plot to scale such that details are clear and legible, but not smaller than 1" = 100'.
- 5.2.4. Plan & Profiles should typically be provided on the same sheet (i.e., plan over profile) unless right-of-way width or change in vertical elevation is too great, then separate plan and profile sheets will be acceptable.
- 5.3. Deliverables at the 30% design submittal level:
 - 5.3.1. Three (3) signed and sealed copies of the project survey, an electronic signed copy of survey in pdf format, and an electronic file in an AutoCAD format identified by County.
 - 5.3.2. A letter from Consultant to County Project Manager listing all permits that will be required for the project and what agency the permit will be sought from.
 - 5.3.3. Consultant will complete an initial threatened and endangered species survey and present a copy of the results to County Project Manager.
 - 5.3.4. Consultant will complete a phase one environmental survey (if applicable) and submit results to County Project Manager.
 - 5.3.5. Consultant will complete a planned storm water and initial pond siting report and submit to County Project Manager for review.
 - 5.3.6. Submitted plans will include "line and grade" plan view and:
 - 5.3.6.1. Exceed the construction boundaries by 300 feet running longitudinally with the travelway and show existing conditions.
 - 5.3.6.2. Include a cover page acceptable to County Project Manager.
 - 5.3.6.3. Include County typical sections.
 - 5.3.6.4. Include County general notes pages.
 - 5.3.6.5. Show centerline of proposed roadway as the baseline of project. The baseline of survey and centerline of project shall match.
 - 5.3.6.6. Show stationing with beginning and ending project station limits.
 - 5.3.6.7. Show existing pavement striping (on additional sheet if needed for legibility).
 - 5.3.6.8. Show existing conditions (grades, signalization, right-of-way, property lines, parcels, trees, driveways, fences, gates, utilities, everything relevant from the survey, etc.).
 - 5.3.6.9. Show proposed edge of pavement on plans.
 - 5.3.6.10. Show pond locations relative to roadways on plans.
 - 5.3.6.11. Signal plans are to be initiated with proposed Pole locations on plans for review.
 - 5.3.7. Submittal will include three (3) sets of review plans (11" x 17" paper to proper legible scale) and a CD with an electronic copy of submitted plans in pdf format, and an electronic file in an AutoCAD format identified by County of the submitted plans.
- 5.4. Deliverables at the 60% design submittal level:
 - 5.4.1. A copy of the transmittals for the utility companies notified within the limits of the project for "red – brown – green" markups. All utilities within the project limits shall be notified.

- 5.4.2. A copy of all permit plans, permit package (including calculations if necessary) that will be submitted to required permitting agencies, or copy of a letter of request for exemption from needing a permit that will be sent to the permitting agency.
- 5.4.3. Two (2) signed and sealed copies of the Geotechnical Report with an electronic copy of submitted report in pdf format in submitted CD.
- 5.4.4. Submitted plans shall include the elements identified for a 'Phase I' submittal as defined in the Florida Greenbook, Vol 2, section 2.3.2.1 for the Drainage Map, Typical Sections, Project Layout, Plan and Profile, and Cross Sections sheets and include all items listed under the 30% submittal and:
 - 5.4.4.1. All corrections made to the 30% reviewed plans addressing the comments made by County Project Manager.
 - 5.4.4.2. Failure to make corrections to the 30% plans as identified by County Project Manager may result in the requirement of a resubmittal of 60% plans, when deemed necessary by County Project Manager.
 - 5.4.4.3. Any problem areas that may exist with utilities noted on the plans.
 - 5.4.4.4. Plan views, profile views, and cross section views (interval to be set by County Project Manager).
 - 5.4.4.5. Show proposed stormwater management system.
 - 5.4.4.6. Show the relevant Geotechnical information on the plans.
 - 5.4.4.7. Show approximate location of listed species and/or environmental impacts.
 - 5.4.4.8. Provide preliminary signal plans.
- 5.4.5. Submittal will include 3 sets of review plans (11" x 17" paper to proper legible scale) and a CD with an electronic copy in pdf format and in an AutoCAD format identified by County of the project and submitted plans.
- 5.4.6. Submittal of a technical memorandum providing the supporting documentation, as well as any independent reports needed, for all items on the Type 1 Categorical Exclusion (CE) Checklist.
- 5.5. Submittal to include Construction/Engineer cost estimates.
- 5.6. Deliverables at the 90% design submittal level:
 - 5.6.1. A copy of all needed permits for the project approved by the permitting agency with an electronic copy in pdf format provided on the submittal CD.
 - 5.6.2. A copy of an exemption letter from needing a permit from a permitting agency (if applicable) with an electronic copy in pdf format provided on the submittal CD.
 - 5.6.3. An electronic copy (AutoCAD, pdf, etc.) of the 60% plan submittal "red – brown – green" markups from all utilities within the limits of the project shall be included on the submittal CD.
 - 5.6.4. Copies of any correspondence between a utility and Consultant shall be provided to County Project Manager with an electronic copy in pdf format provided on the submittal CD.

- 5.6.5. Submitted plans shall include the elements identified for a 'Phase II' submittal as defined in the Florida Greenbook, Vol 2, section 2.3.2.2 for the Drainage Map, Typical Sections, Project Layout, Plan and Profile, Cross Sections, Retention/Detention Pond details, Signing and Pavement Marking Plans sheets and include all items listed under the 60% submittal and:
 - 5.6.5.1. All corrections made to the 60% reviewed plans addressing the comments made by County Project Manager.
 - 5.6.5.2. All corrections made to the reviewed plans by the utilities (incorporate the information from the red – brown – green markups).
 - 5.6.5.3. Failure to make corrections to the 60% plans as identified by County Project Manager may result in the requirement of a resubmittal of 90% plans, when deemed necessary by County Project Manager.
 - 5.6.5.4. Proposed signing and pavement marking plans.
 - 5.6.5.5. Signalization plans provided in accordance with the Florida Greenbook.
- 5.6.6. Three (3) signed and sealed copies of the signal warrant (if applicable) with an electronic copy in pdf format provided on the submittal CD.
- 5.6.7. Submittal will include 3 sets of review plans (11" x 17" paper to proper legible scale) and a CD with an electronic copy in pdf format and in an AutoCAD format identified by County of the project and submitted plans
- 5.6.8. Submittal to include updated Construction/Engineer cost estimates.
- 5.6.9. Submittal to include contract duration calculation and schedule.
- 5.6.10. Submittal to include of Lane Closure Analysis (for lane closures within on-system facilities).
- 5.7. Deliverables at the 100% design submittal level:
 - 5.7.1. Submitted plans will include all items listed under the 90% submittal and:
 - 5.7.1.1. All corrections made to the 90% reviewed plans addressing the comments made by County Project Manager.
 - 5.7.1.2. All corrections made to the reviewed plans by the utilities (incorporate the information from the red – brown – green markups if any).
 - 5.7.2. Submittal will include three (3) sets of review plans (11" x 17" paper to proper legible scale) and a CD in AutoCAD format of the submitted plans
 - 5.7.3. Submittal to include updated Construction/Engineer cost estimates.
- 5.8. Deliverables at the Final submittal level:
 - 5.8.1. Two (2) copies each of all permits with pdf copy provided on submittal DVD.
 - 5.8.2. Two (2) copies each of any agency permit exemption letter with pdf copy provided on submittal DVD.
 - 5.8.3. Two (2) copies of any geotechnical reports with pdf copy all on submittal DVD.
 - 5.8.4. Two (2) copies of any environmental reports with pdf copy all on submittal DVD.

- 5.8.5. Three (3) signed and sealed project plan record sets.
- 5.8.6. Ten (10) Hard Copies of the Original Signed and Sealed Sets clearly showing the engineers signature, date, and seal.
- 5.8.7. One (1) Scanned pdf copy of the Original Signed and Sealed Set clearly showing the engineers signature, date, and seal provided on the submittal DVD.
- 5.8.8. Provide (1) GIS-ready electronic file (shapefile or file geodatabase) and (1) KMZ file on submittal DVD.

6. INVOICE REQUIREMENTS

- 6.1. Consultant is free to submit required deliverable items before the listed submittal percentage level with the approval of County Project Manager
- 6.2. Design submittals will not be considered complete until all items listed under the appropriate design submittal level are delivered and approved by County
- 6.3. Invoices will be put thru for payment by County Project Manager only when County is in possession of all deliverables for the relevant submittal.
- 6.4. Advancement to the next design submittal level shall not take place until the previous submittal is approved by County and considered complete.

7. DESIGN AREA LOCATION



ATTACHMENT B – PRICING SCHEDULE



VIA EMAIL jeff.earhart@lakecountyfl.gov

April 8, 2026

Jeff Earhart, P.E.
Engineering Director
Lake County Public Works
350 N. Sinclair Avenue
Tavares, FL 32778

**RE: PROPOSAL/AGREEMENT FOR ENGINEERING AND DESIGN SERVICES FOR
CR 44 FROM US 441 TO SR 19 DESIGN SAFETY PROJECT, LAKE COUNTY,
FLORIDA (HALFF 058078.001)
DRAFT #7
(LAKE COUNTY RSQ #24-934)**

Dear Mr. Earhart:

Enclosed please find our proposal for civil engineering services necessary to complete the above-referenced project, as requested. Please provide our office with a Purchase Order. Should you have any questions, please feel free to contact me.

Sincerely,

HALFF

Duane K. Booth, P.E.
Operations Manager, V.P.
dbooth@halff.com

DKB:ab

Enclosure



CR 44 FROM US 441 TO SR 19 DESIGN SAFETY PROJECT FDOT FN# 453449-1-38-01

Project Description

CR 44 Design Safety Project shall consist of design services for safety improvements along CR 44 from US 441 to SR 19. The design will consist of 8-foot shoulders (4-foot minimum paved) along both sides of the roadway along certain segments of the corridor. Additional improvements shall consist of RRFB's and lighting at marked pedestrian crosswalks at Egret Lane/Rotary Drive and Turquoise Way, speed feedback sign at Sparrow Lane, turn lanes at Gator Bay Bar and Grill driveway, Camellia Drive and at Dura-Stress east driveway. Utility Coordination will take place along the complete project limits. Surveying, including topographic, above and below ground utilities, and right of way will be completed. Underground utility locating will be performed for the capturing of data by the surveyors. Geotechnical borings will be completed within areas of concern as required by the Design Engineer. Environmental services will be performed including, wetland field identification (as needed) and wildlife survey.

The corridor has been divided into three segments.

Segment #1 will begin at the change in pavement located approximately 500 feet north of US 441 and proceed along CR 44 (north/east) 100 feet east past Lock Road, approximately 22,704 lf, (4.30 miles). Within this segment there are existing and under construction developments that are improving sections of CR 44 within their property per approved plans by Lake County. HALFF will coordinate with Lake County on these areas for review of proposed work meeting the requirements of this project for shoulder widening, pavement surface, pavement markings and signage.

Segment #2 will begin at the end of the Haynes Creek Bridge, where the concrete bridge decking ends and the asphalt pavement begins and proceed along CR 44 (east) to Dawn Drive, approximately 6,864 lf (1.30 miles).

Segment #3 will begin at the end of the second entrance into the Lake County Fairgrounds (east side) and proceed along CR 44 (east) to SR 19, ending where change in pavement takes place, approximately 3,168 lf (0.60 miles).

Attached are the following Scope of Services and Fee Proposals for the HALFF Team:

Appendix A; HALFF Engineering	Fee: \$441,411.84
Appendix B; HALFF Surveying	Fee: \$220,661.21
Appendix C; HALFF Environmental/Cultural Resources	Fee: \$25,987.19
Appendix D; Tierra	Fee: \$76,658.20
Total Proposed Project	Fee: \$764,718.44

APPENDIX A

HALFF ENGINEERING

SCOPE OF SERVICES AND FEE PROPOSAL

PHASE 100 HALFF ENGINEERING (DESIGN DEVELOPMENT and CONSTRUCTION PLAN PRODUCTION)

HALFF will provide the following services to assist with the development of the project:

- Coordinate directly with the Project Surveyors on project needs and review of the survey deliverable.
- Coordinate directly with the Project Environmental Engineer on the environmental assessment report and documentation.
- Coordinate directly with the Project Geotechnical Engineer on the project boring needs including pavement, shoulder and drainage areas as required.
- Conduct field review of project corridor with Design Team Members and County staff as required.
- Develop typical section designs for approval by Lake County.
- Develop horizontal design, cross section, and AutoCad files for project corridor.
- Review existing drainage patterns such that if any drainage structure modifications are required in order to maintain existing patterns, design will accommodate those changes.
- Review existing signage and pavement markings for compliance with current standards and codes.
- Coordination of documentation required for off-system (Non-SHS) LAP Projects, including Railroad Certification Memo, Utility Certification Memo, and all required Permits Memo.
- Coordinate with all franchise utility owner's within the project corridor during the design process. Obtain utility work schedules and/or letter of no impacts from franchise utility owner's.
- HALFF will prepare Division II and Division III specifications based on FDOT Standard Plans and Specifications and Florida Greenbook, latest editions. Lake County shall prepare the Division I Specifications.
- HALFF will look at most recent crash data for the entire project corridor to get a better understanding of accidents that have occurred and location of said accidents. This data will be utilized to assist with project design and safety upgrades to the existing roadway corridor.
- HALFF will investigate the and provide a memo explaining the existing condition of the pavement markings along the project corridor. Based on recommendations and approval from Lake County, HALFF will prepare design plans depicting remediations to existing pavement markings.
- HALFF will review any existing pavement condition data that Lake County has available and perform site investigations to determine the condition of the existing roadway pavement. Based on these finding, HALFF will make recommendations to Lake County for implantation into the Design Plans.
- HALFF will investigate existing signage along the project corridor for compliance with existing FDOT, MUTCD, Florida Greenbook, and Lake County standards and specifications, latest editions. This will include advance curve warning signage, curve signage, bus stop locations (Transit

- and School), side street signage, speed limit signs, speed feedback signage and other signage that will improve the safety of the project corridor.
- Design westbound left turn lane into the Gator Bay Bar and Grill property. Including verifying existing drainage patterns, site distances, and grades.
 - Design two-way left turn lane from Rhett Rd. (Dollar General) east to the existing left turn lane at Dura-Stress Drive. Including verifying existing drainage patterns, drainage structure relocation, guardrail relocation, utility relocation (power poles and facilities), coordination with Duke Energy for Transmission Easement harmonization, coordination with Florida Gas, and signage and pavement markings.
 - Design of eastbound left turn lane at the Dura-Stress east entrance into their facility. Including verifying existing drainage patterns, drainage structures, driveway modification, coordination with Duke Energy, coordination with Florida Gas, grading, and signage and pavement markings.
 - Design rectangular rapid flashing beacon signage at existing marked pedestrian crosswalks at Egret Ln./Rotary Dr. and Turquoise Way. Additionally, HALFF will investigate the possibility of additional signage and notification for the crosswalk at N. CR 19A.
 - Design modifications to the existing eastbound right turn lane at SR 19. HALFF will provide documentation and design for extending this right turn lane to go beyond the entrance into the Publix Shopping Center, connecting to the existing eastbound right turn lane into this driveway.

HALFF will prepare the following Construction Plans and submittals for the project:
Roadway Plan Sheets:

- Key Sheet
- Summary of Pay Items
- Summary of Drainage Structures
- Typical Sections
- General Notes
- Project Layout
- Roadway Plan
- Drainage Structures
- Roadway Soil Survey
- Cross Sections
- Temporary Traffic Control Plan
- Utility Adjustment Plan
- Detail Plan
- SWPPP
- Signage and Pavement Marking Detail
- Signage and Pavement Marking Plan

All design and plans will be prepared to meet the requirements and standards utilized by the FDOT, including Florida Design Manual, Florida Greenbook, Standard Plans for Road and Bridge Construction, Standard Specifications for Road and Bridge Construction,

Utility Accommodation Manual, MUTCD and Lake County Standards, all latest editions.

HALFF shall make submittals to Lake County as outlined in the RSQ# 24-934, Exhibit A. Deliverables will be made at 30%, 60%, 90%, 100%, and Final design stages. A preliminary design exhibit will be provided prior to commencing full design to verify the project limits have been accepted by Lake County. Included in these submittals HALFF will prepare starting at the 60% stage, an Engineer's Opinion of Probable Costs, that will be updated at every submittal. HALFF will also coordinate with Lake County on providing responses to and coordinating with FDOT as part of the LAP process and project reviews that will be taking place concurrently with the submittals to Lake County.

SJRWMD permitting is not anticipated as the proposed project should be exempt from permitting per 62-330-051, FAC. Additionally, the proposed project is not anticipated to impact any wetlands or surface waters as avoidance to such impacts will be designed. HALFF will prepare a permit exemption verification package and submit to SJRWMD for verification and approval.

HALFF will coordinate with Lake County and the City of Leesburg as it relates to any programmed or approved developments along the project corridor. Utilizing this information, HALFF will work with Lake County as it relates to improvements within the vicinity of these developments and properly reflect these within the Construction Plans. Lake County to provide, as capable, AutoCad files for any improvements to be made along the project corridor by a development.

HALFF shall perform utility coordination with the identified 12 Franchise Utility Owner's along the project corridor. This coordination shall take place immediately after receiving the notice to proceed and will include the verification of facilities within the project corridor and a request to obtain any existing as-built information or documents depicting facility locations. Through the course of the design development, HALFF will be providing to the UAO's plan sets and request that they utilize the RGB methodology for facility coordination. HALFF shall coordinate all conflicts, modifications, relocations, or new facilities with all UAO's. HALFF shall require all UAO's provide documentation verifying no conflicts, relocation schedules (if necessary), estimate cost for relocations (if necessary), and any potential Lake County costs for relocations if said facilities are within easements.

HALFF shall provide coordination efforts during the entire duration of the proposed project including the following:

- Attending Project Kickoff Meeting and one (1) Public Meeting, preparing for meetings, preparing agendas, and preparing minutes.
- Attending monthly project progress meetings (either in person or virtual).
- Attending four phase review meetings (either in person or virtual) at the 30%, 60%, 90%, and 100%.

HALFF Engineering

Fee: \$441,411.84

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT																	
Name of Project: CR 44 DESIGN SAFETY PROJECT																	
County: LAKE																	
FPN: 4534/09-1-38-01																	
FAP No.: D524.085 B																	
Consultant Name: HALFF, INC., ENGINEERING																	
Consultant No.: 58078.001																	
Date: 4/8/2026																	
Estimator: BDB																	
Staff Classification	Total Staff Hours From Summary - SH	Principal Engineer	Engineer 2	Engineer 1	Project Manager 1	Engineering Intern	Chief Designer	Senior Designer	CADD/Computer Technician	Secretary/Clerical	Not Used	Not Used	Not Used	SH By	Activity	Salary Cost By	Average Rate Per Task
3. Project Common and Project General Tasks	121	\$116.03	\$76.92	\$50.00	\$67.31	\$39.42	\$58.17	\$55.00	\$42.11	\$29.25	\$0.00	\$0.00	\$0.00		121	\$5,101	\$42.16
4. Roadway Analysis	1,547	15	77	310	186	263	464	77	155	0	0	0	0	1,547	\$83,803	\$54.17	
5. Roadway Plans	347	3	17	35	17	63	52	52	108	0	0	0	0	347	\$17,466	\$50.33	
6a. Drainage Analysis	52	1	2	10	8	12	16	0	3	0	0	0	0	52	\$2,838	\$54.59	
6b. Drainage Plans	72	1	4	6	6	11	4	18	22	0	0	0	0	72	\$3,710	\$51.53	
6c. Selective C&G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
7. Utilities	139	1	0	14	49	20	13	0	14	28	0	0	0	139	\$7,067	\$50.84	
8. Environmental Permits and Env. Clearances	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
9. Structures - Misc. Tasks, Dwgts. Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
19. Signing & Pavement Marking Analysis	90	1	5	18	9	26	27	4	0	0	0	0	0	90	\$4,822	\$53.58	
20. Signing & Pavement Marking Plans	182	2	9	18	27	46	9	36	35	0	0	0	0	182	\$9,432	\$51.83	
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	\$0	
Total Staff Hours	2,550	27	117	414	308	441	615	187	337	104	0	0	0	2,550			
Total Staff Cost		\$3,132.81	\$8,999.64	\$20,700.00	\$20,731.48	\$17,384.22	\$35,774.55	\$10,285.00	\$14,191.07	\$3,042.00	\$0.00	\$0.00	\$0.00		\$134,240.77	\$52.64	
Check = \$134,240.77																	
SALARY RELATED COSTS:																	
OVERHEAD: \$134,240.77																	
OPERATING MARGIN: \$260,802.97																	
FCM (Facilities Capital Cost Money): \$38,929.82																	
EXPENSES: \$2,041.80																	
Survey (Field - if by Prime) 0 2-person crew days @ \$ / day																	
SUBTOTAL ESTIMATED FEE: \$55,396.48																	
Subconsultant: HALFF SURVEY \$441,411.64																	
Subconsultant: HALFF ENVIRONMENTAL/CULTURAL RESOURCES \$220,661.21																	
Subconsultant: TERRA \$25,987.19																	
Subconsultant: Sub 1 \$76,658.20																	
Subconsultant: Sub 2 \$0.00																	
Subconsultant: Sub 3 \$0.00																	
Subconsultant: Sub 4 \$0.00																	
Subconsultant: Sub 5 \$0.00																	
Subconsultant: Sub 6 \$0.00																	
Subconsultant: Sub 7 \$0.00																	
Subconsultant: Sub 8 \$0.00																	
Subconsultant: Sub 9 \$0.00																	
SUBTOTAL ESTIMATED FEE: \$764,718.44																	
Geotechnical Field and Lab Testing \$0.00																	
SUBTOTAL ESTIMATED FEE: \$764,718.44																	
Optional Services \$0.00																	
GRAND TOTAL ESTIMATED FEE: \$764,718.44																	

Notes:

1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.

2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

- Notes:
1. This sheet to be used by Prime Consultant to calculate the Grand Total fee.
 2. Manually enter fee from each subconsultant. Unused subconsultant rows may be hidden.

Project Activity 3: General Tasks

Estimator:										CR 44 DESIGN SAFETY PROJECT 453449-1-38-01										
Representing										Signature / Date										
FDOT District																				
HALFF, INC.																				
NOTE: Signature Block is optional, per District preference																				
Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments														
3.1	Public Involvement																			
3.1.1	Community Awareness Plan	LS	1	0	0															
3.1.2	Notifications	LS	1	0	0															
3.1.3	Preparing Mailing Lists	LS	1	0	0															
3.1.4	Median Modification Letters	LS	1	0	0															
3.1.5	Driveway Modification Letters	LS	1	0	0															
3.1.6	Newsletters	LS	1	0	0															
3.1.7	Renderings and Fly Throughs	LS	1	0	0															
3.1.8	PowerPoint Presentation	LS	1	0	0															
3.1.9	Public Meeting Preparations	LS	1	2	2															
3.1.10	Public Meeting Attendance/Followup	LS	1	4	4															
3.1.11	Other Agency Meetings	LS	1	0	0															
3.1.12	Web Site	LS	1	0	0															
					3.1 Public Involvement Subtotal															6
3.2	Joint Project Agreements	EA	0	0	0															
3.3	Specifications & Estimates																			
3.3.1	Specifications Package Preparation	LS	1	16	16															
3.3.2	Estimated Quantities Report Preparation	Report	0	Calculated Hours	0															
		Components	0	0	0															
3.4	Contract Maintenance and Project Documentation	LS	1	30	30															

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	
3.6	Prime Consultant Project Manager Meetings	LS	1	39	39	See listing below
3.7	Plans Update	LS	1	0	0	

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
3.8	Post Design Services	LS	1	0	0	
3.9	Digital Delivery	LS	1	30	30	
3.10	Risk Assessment Workshop	LS	1	0	0	
3.11	Railroad, Transit, and/or Airport Coordination	LS	1	0	0	
3.11.1	Aeronautical Evaluation	LS	1	0	0	
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	
3.13	Other Project General Tasks	LS	1	0	0	
3. Project Common and Project General Tasks Total					121	
3.6 - List of Project Manager Meetings						
Roadway Analysis	EA	2	2	4		
Drainage	EA	0	0	0		
Selective C&G	EA	0	0	0		
Utilities	EA	0	0	0		
Environmental	EA	0	0	0		
Structures	EA	0	0	0		
Signing & Pavement Marking	EA	0	0	0		
Signalization	EA	0	0	0		
Lighting	EA	0	0	0		
Landscape Architecture	EA	0	0	0		
Survey	EA	1	2	2	Kickoff meeting with Survey on Project	
Photogrammetry	EA	0	0	0		
ROW & Mapping	EA	0	0	0		
Terrestrial Mobile LIDAR	EA	0	0	0		
Architecture	EA	0	0	0		
Noise Barriers	EA	0	0	0		
ITS Analysis	EA	0	0	0		
Geotechnical	EA	0	0	0		
Progress Meetings	EA	12	2	24	INCLUDES KICK OFF MEETING, MONTHLY MEETINGS INCLUDES TIME FOR AGENDA AND MINUTES	

Project Activity 3: General Tasks

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
Phase Reviews		EA	5	1	5	30%, 60%, 90%, 100%, FINAL
Field Reviews		EA	2	2	4	
Total Project Manager Meetings			22		39	Total PM Meeting Hours carries to Task 3.6 above

Notes:

- 1. If the hours per meeting vary in length (hours) enter the average in the hour/unit column.
- 2. Do not double count agency meetings between permitting agencies.
- 3. Project manager meetings are calculated in each discipline sheet and brought forward to Column D.

Estimate

CR44 DESIGN SAFETY PROJECT
6/24/25 - 3/31/26

How to Use This Form

Video Tutorials - Short Webinars for each Staff Hour Form

Representing

Print Name

Signature / Date

FOOT District

HALFF, INC.

NOTE: Signature Block is optional per District preference

Task No.

Task

Description

Units

Complexity

Calculated

Department

Consultant

Negotiated

Documentation

What is the overall project complexity? (See Roadway Guidelines)

Low

Provide documentation when negotiated hours differ from the calculated hours.

4.1

Typical Section Package

Cover

1

Low

6

0

0

6

4.2

Pavement Type Selection Report

Report & Assembly

0

Low

0

0

0

0

4.3

Pavement Design Package

Part Designs

0

Low

0

0

0

0

4.4

Cross Slope Analysis (lanes and shoulders)

Part Designs

0

Low

0

0

0

0

4.5

Safety Analysis

X-Slope Assessment

6.00

Standard

24

0

0

24

4.6

Design Analysis

X-Slope Assessment

6.00

Low

24

0

0

24

4.7

Operational Analysis

Roundabout

0

Low

0

0

0

0

4.8

Design Reports

Roundabout

0

Low

0

0

0

0

4.9

Design Variations and Exceptions

RRR

0

Low

0

0

0

0

4.10

Master Design File Setup & Maintenance, Model Management Plan

Other Reports

0

Low

0

0

0

0

4.11

3D Modeling Development

Variation Memo

0

Low

0

0

0

0

4.12

TTCIP Master Design Files

Formal Variation

0

Low

0

0

0

0

4.13

Utility Data Collection & Analysis

Design Exception

0

Low

0

0

0

0

4.14

Roadway Quarries for EQ Report

LS

1

Low

30

0

0

30

4.15

Interchanges

Mainline

6.00

Low

1050

0

0

1050

4.16

Interchanges

Side Road & Ramps

0.50

Low

88

0

0

88

4.17

Interchanges

Frontage Road

0.00

Low

0

0

0

0

4.18

Interchanges

Mainline

0.00

Low

0

0

0

0

4.19

Interchanges

Side Road & Ramps

0.00

Low

0

0

0

0

4.20

Interchanges

Frontage Road

0.00

Low

0

0

0

0

4.21

Interchanges

AMG Files

0

Low

0

0

0

0

4.22

Interchanges

LS

1

Low

20

0

0

20

4.23

Interchanges

Length (Phase-Miles)

1.00

Low

0

0

0

0

4.24

Interchanges

Pedestrian

1

Low

0

0

0

0

4.25

Interchanges

Locations

0

Low

0

0

0

0

4.26

Interchanges

LS

1

Low

6

0

0

6

4.27

Interchanges

Length (Miles)

6.00

Low

36

0

0

36

4.28

Interchanges

Interchanges

0

Low

0

0

0

0

4.29

Interchanges

Rest Areas

0

Low

0

0

0

0

1. All items in RED font are for the user to edit call.

2. All cells that are shaded in RED contain a drop down list for the user to make a selection.

3. Most "Project Parameter" cells will have a brief explanation of what should be inserted in the cell; this information is displayed by selecting a cell and hovering over that cell with your cursor.

4. All cells designed not to be edited by the user have been locked for the user. If you are unable to edit a cell, it is because it is locked. If you recognize any errors in the locked cells, please contact the Staff Hour Forms Manager listed below.

Task		Validation	0	Low	0	0	0	0	0
TTCP Quantities for EQ Report		Major Phases	2	0	0	0	0	0	0
4.15 Cost Estimate		Engineer Estimate	3	Low	30	0	0	30	0
4.16 Technical or Modified Special Provisions		LRE Updates	0	Low	0	0	0	0	0
4.17 Other Roadway Tasks		TSPs & MSPs	2		12	0	0	12	0
		Other Analysis			0	0	0	0	0
		Roadway Analysis Technical Subtotal			1363	0	0	1363	
4.18 Quality Assurance/Quality Control		LS	1	5%	69	0	0	69	
4.19 Supervision		LS	1	5%	69	0	0	69	
4.20 Roadway Meetings (listed below)		Meetings	0		0	0	0	0	
4.21 Field Reviews (listed below)		Travel Time			0	0	0	0	
		LS			0	0	0	0	
		Roadway Analysis Non-Technical Subtotal			138	0	0	138	
4.22 Coordination		LS	1	3%	46	0	0	46	
		4. Roadway Analysis Total			1547	0	0	1547	
Please contact the Staff Hour Forms Manager below for further assistance. Ryan Buck, P.E. Project Management Support Engineer ryan.buck@dot.ca.gov (859)414-3433									

Return to Summary Tab

Technical Meetings		# Meetings Onsite	Travel Time (Hours)	# Meetings P/R	Documentation
Typical Section		0	0	0	
Pavement Design		0	0	0	
Access Management / Driveways		0	0	0	
15% Line and Grade		0	0	0	
RRR / ECAR Resolution		0	0	0	
Local Governments (cities, counties, MPO)		0	0	0	
Work Zone Traffic Control		0	0	0	
300/500/100% Comment Review Meetings		0	0	0	
Utility Coordination		0	0	0	
Other Meetings		0	0	0	
Subtotal Technical Meetings		0	0	0	
Progress Meetings (if required by FDOT)		0	0	0	
Phase Review Meetings		0	0	0	
Total Roadway Meetings		0	0	0	
Field Reviews		# of Staff	Site Time (per staff)	Travel Time (per staff)	Total Hours
Field Review #1		0	0	0	0
Field Review #2		0	0	0	0
Field Review #3		0	0	0	0
Field Review #4		0	0	0	0
Plans-in-hand Field Review		0	0	0	0
Total Field Review Hours					0

Page 37 of 100

Exhibit		6a. Drainage Analysis Staff Hours										CR44 DESIGN SAFETY PROJECT 433446-08-07		How to Use This Form	
Representing		Print Name										Signature / Date		Video Tutorials - Short Webinars for each Staff Hour Form	
FOOT District															
HALFF, INC.															
NOTE: Signature Block is optional per District preference														Calculated hours represent the expected effort to complete each task based on project parameters and should be considered a starting point for staff hour negotiations. The Consultant and Department staff must jointly determine the appropriate staff hours to fully cover the effort.	
Task No.	Task	Project Parameter			Staff Hours			Documentation							
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated							
6a.1	Base Clearance Analysis	Locations	0		0	0	0	0							
6a.2	Hydrographing Analysis	Report	0		0	0	0	0							
6a.3	Existing Permit Analysis	LS	0		0	0	0	0							
6a.4	Utility Conflict Matrix (for drainage structures)	LS	0		0	0	0	0							
6a.5	Noise Barrier Drainage Analysis	Wall Length (Miles)	0.00		0	0	0	0							
6a.6	Temporary Drainage Analysis	LS	0		0	0	0	0							
6a.7	Pond Sizing Analysis and Report	Basins	0		0	0	0	0							
6a.8	Analysis of Pipe Video Inspection Report	Report	0		0	0	0	0							
6a.9	Design of Minor Cross Drains	Canal King or Ped Bridge	0		0	0	0	0							
		Bridge Hydraulic Report (Main Bridge, Non-Tidal)	0		0	0	0	0							
		Bridge Hydraulic Report (Main Bridge, Tidal)	0		0	0	0	0							
		No-Rise	0		0	0	0	0							
		Wave Modeling	0		0	0	0	0							
6a.10	Design of Major Cross Drains	Cross Drains	2	Simple	16	0	0	16							
			0	Complex	0	0	0	0							
			0	Simple	0	0	0	0							
			0	Standard	0	0	0	0							
			0	Complex	0	0	0	0							
6a.11	Design of Ditches and Side Drains	Ditches (Miles)	0.00	Simple	0	0	0	0							
			1.00	Standard	20	0	0	20							
			0.00	Complex	0	0	0	0							
		Side Drains	0		0	0	0	0							
			0	Simple	0	0	0	0							
			0	Standard	0	0	0	0							
			0	Complex	0	0	0	0							
6a.12	Design of Stormwater Management Facility	Ponds	0		0	0	0	0							
			0		0	0	0	0							
			0		0	0	0	0							
6a.13	Design of Floodplain Compensation	Cells	0		0	0	0	0							
			0		0	0	0	0							
6a.14	Design of Storm Drains	Basins	0		0	0	0	0							
			0		0	0	0	0							
			0		0	0	0	0							
6a.15	Optional Culvert Material	Drainage Structures	0		0	0	0	0							
			0		0	0	0	0							
6a.16	Design of French Drains	Non-Standard Structures	0		0	0	0	0							
			0		0	0	0	0							
6a.17	Evaluation of Existing French Drain Systems	Drainage Pipes	0		0	0	0	0							
			0		0	0	0	0							
			0		0	0	0	0							

6a.18	Design of Drainage Wells	Wells	0		0	0	0	0	0	
6a.19	Stormwater Runoff Control Concept	Length (Miles)	0.00		0	0	0	0	0	
6a.20	Other Drainage Tasks	LS			6	0	0	0	0	
6a.21	Drainage Design Documentation Report	Report	0		0	0	0	0	0	
		Exhibits	0		0	0	0	0	0	
6a.22	Drainage Quantities for EIO Report	LS	0		0	0	0	0	0	
6a.23	Cost Estimate	Engineer/Estimate	3	Simple	6	0	0	0	6	
		LIRE Updates	0		0	0	0	0	0	
6a.24	Technical or Modified Special Provisions	TSPs & MSPs	0		0	0	0	0	0	
Drainage Analysis Technical Subtotal										
6a.25	Quality Assurance/Quality Control	LS	1	5%	3	0	0	3	44	
6a.26	Supervision	LS	1	5%	3	0	0	3	0	
6a.27	Drainage Meetings (listed below)	Meetings	0		0	0	0	0	0	
		Travel Time			0	0	0	0	0	
6a.28	Field Reviews (listed below)	LS			0	0	0	0	0	
Drainage Analysis Non-Technical Subtotal										
6a.29	Coordination	%	1	3%	6	0	0	6	0	
Drainage Analysis Total										
					52	0	0	0	52	

Please contact the Staff Hour Forms Manager below for further information:

Ryan Buck, P.E.
 Project Management Support Engineer
 Ryan.Buck@dot.state.tx.us
 (850)414-4343

Technical Meetings	# Meetings Designer	Travel Time (Hours)	# Meetings PM	Documentation
Basin Clearland Water Elevation	0	0	0	
Pond Siting	0	0	0	
Agency				
Local Governments (cities, counties)	0	0	0	
FDOT Drainage	0	0	0	
Utility Coordination	0	0	0	
Other Meetings	0	0	0	
Subtotal Technical Meetings	0	0	0	
Progress Meetings (if required by FDOT)	0	0		
Phase Review Meetings				
Total Drainage Meetings	0	0		

Field Reviews	# of Staff	Site Time (per staff)	Travel Time (per staff)	Total Hours
Field Review #1	0	0	0	0
Field Review #2	0	0	0	0
Field Review #3	0	0	0	0
Field Review #4	0	0	0	0
Participant Field Review	0	0	0	0
Total Field Reviews				0

6b. Drainage Plans

6b. Drainage Plans Staff Hours												CR 44 DESIGN SAFETY PROJECT 453449-1-38-01
Estimator:		Representing				Print Name				Signature / Date		
		FDOT District										
		Consultant Name										
NOTE: Signature Block is optional, per District preference												
Task No.	Task	Project Parameter			Staff Hours				Documentation			
		Description	Units	Complexity	Calculated	Department	Consultant	Negotiated				
6b.1	Drainage Map (Including Interchanges)	Length (Miles)	6.00	Simple	60	0	0	40	Provide documentation when negotiated hours differ from the calculated hours.			
6b.2	Bridge Hydraulics Recommendation Sheets	Bridges	0		0	0	0	0				
6b.3	Drainage Structures	Drainage Structures	0		0	0	0	0				
		Details	0		0	0	0	0				
6b.4	Lateral Ditches	Ditches	3	Standard	24	0	0	24				
			0	Complex	0	0	0	0				
		Cross Section Alignments	0		0	0	0	0				
6b.5	Retention/Detention/Floodplain Compensation Ponds	Ponds	0	Standard	0	0	0	0				
			0	Complex	0	0	0	0				
		Cross Section Alignments	0		0	0	0	0				
Drainage Plans Technical Subtotal					84	0	0	64				
6b.6	Quality Assurance/Quality Control	%	1	5%	5	0	0	4				
6b.7	Supervision	%	1	5%	5	0	0	4				
Drainage Plans Total					94	0	0	72				

Project Activity 7: Utilities

Estimator:

CR 44 DESIGN SAFETY PROJECT
453449-1-38-01

Representing	Print Name	Signature / Date
FDOT District		
HALFF, INC.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
7.1	Utility Kickoff Meeting	LS	1	1	1	Meeting is listed below
7.2	Identify Existing Utility Agency Owner(s)	LS	12	1	6	12 UTILITY OWNERS X 0.5 HOURS EACH
7.3	Make Utility Contacts	LS	12	1	6	12 UTILITY OWNERS X 0.5 HOURS EACH
7.4	Exception Processing	LS	1	0	0	
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	6	6	Meetings are listed below
7.7	Collect and Review Plans and Data from UAO(s)	LS	12	1	12	12 UTILITY OWNERS X 1 HOUR EACH
7.8	Subordination of Easements Coordination	LS	1	0	0	
7.9	Utility Design Meeting	LS	1	12	12	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	12	2	24	12 UTILITY OWNERS X 2 HR EACH
7.11	Utility Coordination/Followup	LS	12	4	48	12 UTILITY OWNERS X 4 HR EACH
7.12	Utility Constructability Review	LS	12	2	24	12 UTILITY OWNERS X 2 HR EACH
7.13	Additional Utility Services	LS	1	0	0	
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	
7.15	Contract Plans to UAO(s)	LS	1	0	0	
7.16	Certification/Close-Out	LS	1	0	0	
7.17	Other Utilities	LS	1	0	0	

Project Activity 7: Utilities

7. Utilities Total							139			
Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number			
Kickoff (see 7.1)	EA	1	1	1			0			
Preliminary Meeting (see 7.5)	EA	12	0	0			0			
Individual UAO Meetings (see 7.6)	EA	12	0.5	6	12 UTILITY OWNERS 0.5 HOURS EACH		0			
Field Meetings (see 7.6)	EA	12	0	0			0			
Design Meeting (see 7.9)	EA	12	1	12	12 UTILITY OWNERS 1 HOUR EACH		0			
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0			0			
Total Meetings				19	Total Project Manager Meetings (carries to Tab 3)		0			

Carries to Tab 3

Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

CR 44 DESIGN SAFETY PROJECT
453449-1-38-01

Representing	Print Name	Signature / Date
FDOT District		
HALFF, INC.		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
19.1	Traffic Data Analysis	LS	1	0	0	
19.2	No Passing Zone Study	LS	1	0	0	
19.3	Signing and Pavement Marking Master Design File	LS	1	0	0	
19.4	Multi-Post Sign Support Calculations	EA	1	0	0	
19.5	Sign Panel Design Analysis	EA	1	0	0	
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	
19.7	S&PM Quantities for EQ Report	Length (Miles)	6.00	Calculated Hours	30	
		Complexity	Low Range			
		Interchanges Rest Areas	0	26		
19.8	Cost Estimate	LS	1	40	40	
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
19.10	Other Signing and Pavement Marking	LS	1	0	0	
Signing and Pavement Marking Analysis Technical Subtotal					70	
19.11	Field Reviews	LS	1	8	8	Meetings are listed below
19.12	Technical Meetings	LS	1	0	0	
19.13	Quality Assurance/Quality Control	LS	%	5%	4	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	4	
Signing and Pavement Marking Analysis Nontechnical Subtotal					16	
19.16	Coordination	LS	%	5%	4	
19. Signing and Pavement Marking Analysis Total					90	

Project Activity 19: Signing and Pavement Marking Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Technical Meetings						
	Sign Panel Design	EA	0	0	0	
	Queue Length Analysis	EA	0	0	0	
	Local Governments (cities, counties)	EA	0	0	0	
	Other Meetings	EA	0	0	0	
	Subtotal Technical Meetings				0	Subtotal Project Manager Meetings
	Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3
	Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3
	Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)

Carries to 19.12

Carries to Tab 3

20. Signing and Pavement Marking Plans Staff Hours										CR44 DESIGN SAFETY PROJECT 43-3446-130-01		How to Use This Form	
Representing		Print Name		Signature / Date		Video Tutorials - Short Webinars for each Staff Hour Form							
FOOT District													
HALFF, INC.													
NOTE: Signature Block is optional, per District preference													
Task No.	Task	Project Parameter		Staff Hours		Documentation		Calculated hours represent the expected effort to complete each task based on project parameters and should be considered a starting point for staff hour negotiations. The Consultant and Department staff must jointly determine the appropriate staff hours to fully cover the effort.					
		Description	Units	Complexity	Calculated	Department	Consultant					Negotiated	Provide documentation when negotiated hours differ from the calculated hours.
20.1	Key Sheet		1		4	0	0	4	1. All have a RED font size for the user to edit cell. 2. All cells that are shaded in RED contain a drop down list for the user to make a selection. 3. Most "Project Parameter" cells will have a brief explanation of what should be inserted in the cell, this information is displayed by selecting a cell and hovering over that cell with your cursor. 4. All cells designed not to be edited by the user have been locked for the users convenience to avoid accidental edits of formulas, text, etc. If you recognize any errors in the locked cells, please contact the Staff Hour Forms Manager listed below.				
20.2	Signature Sheet		1	Simple	2	0	0	2					
20.2	General Notes/Pay Item Notes		1	Simple	6	0	0	6					
20.3	Project Layout				0	0	0	0					
		Length (Miles)	6.00	Low	84	0	0	84					
20.4	Plan Sheet	Sig Intersection	32		64	0	0	64					
		Mid-Block Xing				0	0	0					
		Kilochingps Roundabout	0		0	0	0	0					
		Rest Area	0		0	0	0	0					
		Toll Facility	0		0	0	0	0					
20.5	Special Details		2	Simple	4	0	0	4					
		Details	0	Standard	0	0	0	0					
			0	Complex	0	0	0	0					
20.6	Service Point Details		0	Simple	0	0	0	0					
		Service Point	0	Standard	0	0	0	0					
20.7	Guide Sign Data		0		0	0	0	0					
		Sign Panel	0		0	0	0	0					
		Multi-post signs	0		0	0	0	0					
20.8	Cross Sections (Sign Installations)		0	Standard	0	0	0	0					
		Overhead Sign Structures	0	Complex	0	0	0	0					
		S&PM Plans Technical Hours Subtotal			164	0	0	164	Please contact the Staff Hour Forms Manager below for further assistance. Ryan Buck, P.E. Project Management Support Engineer Ryan.Buck@dot.state.tx.us (850)414-4343				
20.9	Quality Assurance/Quality Control	%	1	5%	9	0	0	9					
20.10	Supervision	%	1	5%	9	0	0	9					
		S&PM Plans Total			182	0	0	182					

APPENDIX B

HALFF SURVEYING

SCOPE OF SERVICES AND FEE PROPOSAL

PHASE 200 SURVEY

Prior to beginning survey work, HALFF shall request from Lake County Right of Way Supervisor a copy of the Right of Way package. HALFF shall recover sufficient monumentation to establish the existing right of way lines according to available Public Records. HALFF shall establish, recover, re-establish project alignment for use in design. Existing, relevant property information within the survey areas will be identified such as deed lines, plat lines, designated roads, right of way lines, easements, or other matters of public record or information referenced within title report (provided by Lake County in Right of Way Package).

HALFF shall prepare a Record Survey for the engineering design and safety improvements along CR 44 defined within the above-described roadway segments. Topographic coverage will be collected within the right of way lines for project limits of proposed improvements. The survey will include spot elevations at 100-foot stations to determine 1 foot contour intervals. Elevations will be based on North American Vertical Datum of 1988 (NAVD88). The survey will also include establishing public rights of way or lack thereof per furnished right of way package. All surface improvements will be located within the right of way including above ground utilities, driveways, sidewalks, guardrail, mailboxes, fences, and trees.

Horizontal utility locations will be completed to designate the horizontal positions for, but not limited to buried power, water, force main, sanitary sewer, gas, telephone, fiber, and CATV in the following locations:

Segment 1:

- A). CR 473 to Variety Rd. 15 feet from edge of pavement. (approx. 1,100 ft)
- B). E. Treasure Island Ave. to approximately 1,300 ft south of Treasure Island Rd. (approx. 2,450ft)
- C). N. Silver Lake Rd. to Shady Acres Rd. (approx. 3,100 ft.)

Segment 2:

Locating will begin at the end of the Haynes Creek Bridge, where the concrete bridge decking ends and the asphalt pavement begins and proceed along CR 44 (east) to Dawn Drive, approximately 6,864ft (1.30 miles).

Segment 3:

- A). Intersection of Egret Ln./Rotary Drive & CR 44. One Hundred (100) feet in each direction from the intersection.
- B). Intersection of Turquoise Way & CR 44. One Hundred (100) feet in each direction from the intersection.
- C). From 100 feet west of the intersection for the Publix Entrance (South side) 7-11 Entrance (North Side), to the beginning of the white pavement marking for the right turn lane at SR 19. (+/-450 ft).

Including in this effort will be the capturing of flagged underground utility locates. Invert elevations on any existing sewer manholes and storm structures will be measured and shown on the survey.

Any wetland flags along this segment of the project will also be surveyed and included in the survey. Location of all side streets to 50 feet beyond the existing right of way to be included. Survey will also include all existing pavement markings and signage along the corridor limits.

This Phase does not include any Right of Way Mapping or title research.

HALFF will provide a Final signed and sealed survey to Lake County. Upon final approval, HALFF will submit three (3) signed and sealed copies of the survey, along with an electronic file in AutoCad format.

HALFF Survey

Fee: \$220,661.21

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR 44 DESIGN SAFETY PROJECT LAKE County: 453449-1-38-01 FPN: D524 085 B FAP No.:										Consultant Name: HALFF SURVEYING Consultant No.: 58078.001 Date: 3/6/2026 Estimator: BDB									
Staff Classification		Total Staff Hours From "SH Summary Firm"	Chief Surveyor	Senior Surveyor 1	Survey Project Manager	SUR SUE Technician 2	Not Used	Not Used	Not Used	Not Used	Not Used	Not Used	SH By Activity	Salary Cost By Activity	Average Rate Per Task				
3. Project Common and Project General Tasks		0	\$74.52	\$63.94	\$44.23	\$23.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	\$0	#DIV/0!				
4. Roadway Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
5. Roadway Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
6a. Drainage Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
6b. Drainage Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
6c. Selective C&G		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
7. Utilities		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
8. Environmental Permits and Env. Clearances		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
9. Structures - Misc. Tasks, Dwg's, Non-Tech.		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
10. Structures - Bridge Development Report		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
11. Structures - Temporary Bridge		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
12. Structures - Short Span Concrete Bridge		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
13. Structures - Medium Span Concrete Bridge		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
14. Structures - Structural Steel Bridge		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
15. Structures - Segmental Concrete Bridge		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
16. Structures - Movable Span		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
17. Structures - Retaining Walls		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
18. Structures - Miscellaneous		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
19. Signing & Pavement Marking Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
20. Signing & Pavement Marking Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
21. Signalization Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
22. Signalization Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
23. Lighting Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
24. Lighting Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
25. Landscape Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
26. Landscape Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
27. Survey (Field & Office Support)		330	59	60	152	59	0	0	0	0	0	0	330	\$16,313	\$49.43				
28. Photogrammetry		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
29. Mapping		154	15	31	108	0	0	0	0	0	0	0	154	\$7,877	\$51.15				
30. Terrestrial Mobile LIDAR		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
31. Architecture Development		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
32. Noise Barriers Impact Design Assessment		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
33. Intelligent Transportation Systems Analysis		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
34. Intelligent Transportation Systems Plans		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
35. Geotechnical		0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!				
Total Staff Hours		484	74	91	260	59	0	0	0	0	0	0	484	\$24,189.82	\$49.88				
Total Staff Cost			\$5,514.48	\$5,818.54	\$11,499.80	\$1,357.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$24,189.82					
Check = \$24,189.82																			
SALARY RELATED COSTS:																			
OVERHEAD: \$24,189.82																			
OPERATING MARGIN: 194.28%																			
FCCM (Facilities Capital Cost Money): 29%																			
EXPENSES: 1.5210%																			
SUBTOTAL ESTIMATED FEE: 4.02%																			
Survey (Field) 98																			
Geotechnical Field and Lab Testing 2-person crew \$ 1,440.00 / day																			
SUBTOTAL ESTIMATED FEE: \$141,120.00																			
Optional Services \$0.00																			
GRAND TOTAL ESTIMATED FEE: \$220,661.21																			

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

Notes:
1. This sheet to be used by Subconsultant to calculate its fee.

Estimator:

CR 44 DESIGN SAFETY PROJECT
453449-1-38-01

Representing	Print Name	Signature / Date
FDOT District		
HALFF SURVEYING		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.1	Horizontal Project Control (HPC)									
	2-Lane Roadway	Mile	6.00	1.00	6.00	1.00	6.00	2.00	12.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.2	Vertical PC / Bench Line									
	2-Lane Roadway	Mile	6.00	1.00	6.00	1.00	6.00	2.00	12.00	
	Multi-lane Roadway	Mile			0.00		0.00		0.00	
	Interstate	Mile			0.00		0.00		0.00	
27.3	Alignment and Existing R/W Lines									
		Mile	6.00	2.00	12.00	1.00	12.00	4.00	48.00	
27.4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
27.5	Reference Points	"A"		Units/Day						
	2-Lane Roadway	EA			0.00		0.00		0.00	
	Multi-lane Roadway	EA			0.00		0.00		0.00	
	Interstate	EA			0.00		0.00		0.00	
	Reference Points	"B"		Units/Day						
	Non Alignment Points/Approximate	EA	42.00	12.00	3.50	1.00	3.50	2.00	7.00	Horizontal and Vertical Control Points, 7 points per mile, 800 ft spacing
27.6	Topography/DTM (3D)									

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
		Mile	6.00	4.50	27.00	1.00	27.00	2.00	54.00	
27.7	Planimetric (2D)									
		Mile			0.00		0.00		0.00	
27.8	Roadway Cross-Sections/Profiles									
		Mile			0.00		0.00		0.00	
27.9	Side Street Surveys									
		Mile	1.00	2.00	2.00	1.00	2.00	4.00	8.00	

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.10	Underground Utilities									
	Designates	Mile/Site	2.68	6.00	16.08		0.00		0.00	
	Locates	Point			0.00		0.00		0.00	
	Survey		100%	16.08	16.08	2.70	43.42	3.00	48.24	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	
27.12	Drainage Survey			Units/Day						
		EA			0.00		0.00		0.00	
27.13	Bridge Survey									
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	
27.15	Pond Site Survey									
		EA			0.00		0.00		0.00	
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	
27.17	Jurisdiction Line Survey									
		Mile			0.00		0.00		0.00	
27.18	Geotechnical Support			Units/Day						
		EA	214	42	5.10	1.00	5.10	1.00	5.10	
27.19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									
		Block			0.00		0.00		0.00	
27.21	Maintained ROW									
		Mile			0.00		0.00		0.00	
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
27.26	Line Cutting									
		Mile			0.00					
27.27	Work Zone Safety									
			45	0.105	4.73					
27.28	Vegetation Survey									
		LS							0	
27.29	Tree Survey									
		LS							0	
27.30	Miscellaneous Surveys									
					0.00		0.00		0.00	
Survey Subtotal										
				Crew Days	98	Field Support Hours	105	Office Support Hours	194	
27.31	Supplemental Surveys				98		0		0	THE % FOR SUPPLEMENTAL WILL BE DETERMINED AT NEGOTIATIONS. THIS ITEM CAN ONLY BE USED IF AUTHORIZED IN WRITING BY THE DISTRICT SURVEYOR
		Units								
27.32	Document Research									
		Units							0	
27.33	Field Reviews									
		Units							0	
27.34	Technical Meetings									
		LS							0	
			0.00							
27.35	Quality Assurance / Quality Control									
		LS						5%	10	
27.36	Supervision									
		LS								
								5%	15	
27.37	Coordination									
		LS								
								3%	6	
27. Survey Total										
				Crew Days	98	Field Support Hours	105	Office Support Hours	225	

SPLS =

PLS =

Office Support =

Total Hours = 330

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	PM Attendance at Meeting Required?	Number	Comments
Kickoff Meeting with FDOT	EA	0	0	0		0	

Task No.	Task	Units	No of Units	Field Crew Days/Unit	Crew Days	Field Support Hours / Crew Days	Field Support Hours	Office Support Hours / Crew Days	Office Support Hours	Comments
	Baseline Approval Review	EA	0	0	0				0	
	Network Control Review	EA	0	0	0				0	
	Vertical Control Review	EA	0	0	0				0	
	Local Governments (cities, counties)	EA	0	0	0				0	
	Final Submittal Review	EA	0	0	0				0	
	Other Meetings	EA	0	0	0				0	
	Subtotal Technical Meetings				0		Subtotal PM Meetings		0	
	Progress Meetings (if required by FDOT)	EA	0	0	0		**		--	
	Phase Review Meetings	EA	0	0	0		**		--	
	Total Meetings				0		Total PM Mtgs (carries to Tab 3)		0	

Carries to Tab 3

Carries to 27.34

** Project Manager attendance at progress, phase and field review meetings are manually entered on General Task 3

29. Mapping Staff Hours										Signature / Date		Video Tutorials - Short Webinars for each Staff Hour Form	
Representing										Print Name			
FOOT District													
HALFF SURVEYING													
NOTE: Signature Block is optional, per District preference													
Task No.	Task	Description	Units	Complexity	Calculated	Department	Consultant	Negotiated	Documentation	Calculated hours represent the expected effort to complete each task based on project parameters and should be considered a starting point for staff hour negotiations. The Consultant and the Staff Manager must jointly determine the appropriate staff hours to fully cover the effort.			
Master CAD/FI#													
29.1	Alignment	Length (Miles)	6.00	Simple	12	0	0	12		1. All items in RED font are for the user to edit cell.			
29.2	Section and 1/4 Section Lines	Section	8	Standard	16	0	0	16		2. All cells that are shaded in RED contain a drop down list for the user to select from.			
29.3	Subdivisions	Block	0		0	0	0	0		3. Most "Project Parameter" cells will have a brief explanation of what should be inserted in the cell, this information is displayed by selecting a cell and hovering over that cell with your cursor.			
29.4	Property Lines	Tract	0		0	0	0	0		4. All cells designed not to be edited by the user have been locked for the user. If you need to edit a locked cell, please contact the Staff Hour Forms Manager listed below.			
29.5	Existing RW	Length (Miles)	6.00	Simple	48	0	0	48					
29.6	Topography	Length (Miles)	6.00	Standard	12	0	0	12					
29.7	Percent Tract Properties/Existing Easements	Parcel	0		0	0	0	0					
29.8	Proposed RW Requirements	Parcel	0		0	0	0	0					
29.9	Limits of Construction	Length (Miles)	5.50		11	0	0	11					
29.10	Jurisdictional/Agency Lines	Linear Mile	0.00		0	0	0	0					
Sheet Files													
29.11	Control Survey Cover Sheet	LS	1		8	0	0	8					
29.12	Control Survey Key Sheet	Sheet (24" X 36")	3		0	0	0	22					
29.13	Control Survey Detail Sheet	Sheet (24" X 36")	0		0	0	0	0					
29.14	RW Map Cover Sheet	LS	0		0	0	0	0					
29.15	RW Map Key Sheet	Sheet (24" X 36")	0		0	0	0	0					
29.16	RW Map Detail Sheet	Sheet (24" X 36")	0		0	0	0	0					
29.17	Maintenance Map Cover Sheet	LS	0		0	0	0	0					
29.18	Maintenance Map Key Sheet	Sheet (24" X 36")	0		0	0	0	0					
29.19	Maintenance Map Detail Sheet	Sheet (24" X 36")	0		0	0	0	0					
29.20	Reference Point Sheet	EA	0		0	0	0	0					
29.21	Project Control Sheet	Sheet (24" X 36")	0		0	0	0	0					
29.22	Title of Ownership Sheet	Parcel	0		0	0	0	0					
Miscellaneous Surveys & Sketches													
29.23	Parcel Sketches	Parcel	0		0	0	0	0					
29.24	RTT Sketches	Parcel	0		0	0	0	0					
29.25	Other Specific Purpose Survey(s)	EA	0		0	0	0	0					
29.26	Boundary Survey(s) Map	EA	0		0	0	0	0					
29.27	RW Documentation Map	Sheet (24" X 36")	0		0	0	0	0					
29.28	Title Search Map	LS	0		0	0	0	0					
29.29	Title Search Report	LS	0		0	0	0	0					
29.30	Legal Descriptions	Parcel	0		0	0	0	0					
Mapping Technical Subtotal													
29.31	Quality Assurance/Quality Control	%	1	5%	6	0	0	7					
29.32	Supervision	%	1	5%	6	0	0	7					
29.33	Mapping Meetings (listed below)	Meetings	3		6	0	0	6					
29.34	Field Review (listed below)	Travel Time			0	0	0	0					
Mapping Non-Technical Subtotal													
29.35	Coordination	%	1	3%	4	0	0	5					
29.36	Supplemental Mapping	LS			0	0	0	0					
Mapping Total													
					129	0	0	154					
Please contact the Staff Hour Forms Manager below for further assistance: Ryan Buck, P.E. Project Management Support Engineer Ryan.Buck@od.state.il.us (850)414-1343													

Technical Meetings	# Meetings Designer	Travel Time (Hours)	# Meetings PM	Documentation
Local Governments (cities, counties, MPO)	0	0	0	
30%/60%/90% Comment Review Meetings	3	0	0	
Utility Coordination	0	0	0	
Other Meetings	0	0	0	
Subtotal Technical Meetings	3	0	0	
Project Meetings (if required by FDOT)	0	0	0	
Phase Review Meetings	0	0	0	
Total Meetings	3	0	0	

Field Reviews	# of Staff	Site Time (per staff)	Travel Time (per staff)	Total Hours
Field Review #1	0	0	0	0
Field Review #2	0	0	0	0
Field Review #3	0	0	0	0
Field Review #4	0	0	0	0
Grand-Total Field Review	0	0	0	0
Total Field Review Hours				0

APPENDIX C

HALFF ENVIRONMENTAL & CULTURAL RESOURCES

SCOPE OF SERVICES AND FEE PROPOSAL

PHASE 300 ENVIRONMENTAL EVALUATION & CULTURAL RESOURCES

ENVIRONMENTAL EVALUATION

Half biologists will conduct a field review of the project site for the purpose of identifying and evaluating the onsite habitat conditions, wetland limits, and the potential occurrence of any species considered Endangered, Threatened, or of Special Concern by the Florida Fish and Wildlife Conservation Commission (FWC) under Chapter 68A-27.003-005 F.A.C. or the US Fish and Wildlife Service (USFWS) under C.F.R. 17.11-12. The purpose of this task is to document the site conditions and listed species usage in support of a Type 1, Categorical Exclusion. Specific tasks included with this effort are as follows:

- A. Conduct a comprehensive desktop review of existing government and other publicly available environmental databases to determine whether occurrences of State and/or Federal listed plant or animal species may occur or have been documented in areas with similar habitat within or immediately adjacent to the study area.
- B. Review the project area to map and assess the extent and condition of the onsite habitats. Each habitat type will be mapped using the Florida Land Use, Cover, and Forms Classification System (FLUCFCS: Florida Department of Transportation, 1999).
- C. Conduct meandering pedestrian transect surveys for listed species on the project site. All habitats within the project boundary will be surveyed in general accordance with the Florida Wildlife Conservation Guide (2011) as developed by the US Fish and Wildlife Service (USFWS), Florida Fish and Wildlife Conservation Commission (FWC), and Florida Natural Area Inventory (FNAI).
- D. Locate and flag the boundaries of all wetlands and surface waters that may exist on the site per the wetland delineation methodology provided in Chapter 62-340, F.A.C., Delineation of the Landward Extent of Wetlands and Surface Waters and the 1987 Corps of Engineers Wetlands Delineation Manual.
- E. Document the results of the site evaluation in a Natural Resources Evaluation (NRE) Environmental Technical Memorandum in accordance with PD&E Manual to support a Type 1, Categorical Exclusion to meet National Environmental Policy Act (NEPA) compliance.

TYPE 1 CATEGORICAL EXCLUSION CHECKLIST

The Project development process must follow the guidance provided in the FDOT's current version of the PD&E Manual. As discussed in Part 1, Chapter 1, of the PD&E Manual, the PD&E Manual satisfies state and federal processes and incorporates the requirements of the National Environmental Policy Act (NEPA), federal law, regulations, and Executive Orders included in the FHWA Federal-Aid Policy Guide, and applicable state laws and regulations including Section 339.155 of the Florida Statutes and Rule Chapter 14 of the Florida Administrative Code. Half will assist in the collection of data and the preparation of the Type 1 Categorical Exclusion Checklist, including the review and summation of documents and reports prepared by team members.

CULTURAL RESOURCES

Desktop Review and Agency Consultation

The project requires federal funding, which is considered a federal action triggering compliance with Section 106 of the National Historic Preservation Act (Section 106). Section 106 requires that the project consider potential effects to archeological and above ground historic resources eligible for listing on the National Register of Historic Places (NRHP) through consultation with the Florida Division of Historic Resources and any other applicable federal regulatory agencies.

In compliance with Section 106, Halff will review the Florida Master Site File to determine whether any archeological sites and above ground historic resources (cultural resources) eligible for listing on the NRHP, or cemeteries are documented within or adjacent to the project's Area of Potential Effects (APE). Background research will also include a review of local soil, geologic and other physiographic data to evaluate the potential for buried and intact archeological deposits as it pertains to the horizontal and vertical footprint of the APE. Historic topographic maps and aerial photography will be reviewed to identify any potential above-ground historic resources within and adjacent to the project area. The results of the desktop review will inform a recommendation regarding the potential for the project to affect cultural resources eligible for listing in the NRHP and whether a field survey is necessary.

Halff will be responsible for preparing and submitting a technical memorandum that includes all supporting documentation required for the Type 1 Categorical Exclusion (CE) Checklist. This will include any independent reports necessary to address all items on the checklist. Halff is not responsible for completing the actual checklist form; FDOT will prepare the checklist using the information provided. Additionally, all principal investigators involved in the archaeological, historical, and architectural components of the Type 1 CE must meet the minimum qualifications as outlined in the Florida Administrative Code (Chapter 1A-46) and the Code of Federal Regulations, 36 C.F.R. 61. The results of the desktop review will be summarized in a report submitted for review by Florida Division of Historical Resources. If the desktop review and agency consultation results in the need for additional cultural resources investigations (e.g., archeological and/or historic resources field surveys), this will be considered an additional service and scoped separately.

EXCLUDED:

1. Agency coordination for wetland wildlife related matters not specifically stated in this Scope of Services. The services to obtain wetland impact authorization or approvals for the incidental take or relocation of any listed species of flora and fauna are not included in this Scope of Services.
2. This scope does not include formal, comprehensive listed species assessments in accordance with the Florida Wildlife Conservation Guide (2011). If any listed or protected species are identified on the project parcels, additional comprehensive, species-specific surveys may be required by the permitting agencies.

HALFF Environmental/Cultural Resources

Fee: \$25,987.19

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: CR 44 DESIGN SAFETY PROJECT														
County: LAKE														
FPN: 453449-1-38-01														
FAP No.: D524.085 B														
Consultant Name: HALFF ENVIRONMENTAL/CULTURAL RES.														
Consultant No.: 58078.001														
Date: 3/6/2026														
Estimator: BDB														
Staff Classification	Total Staff Hours From "SH Summary Form"	Chief Scientist	Senior Env. Specialist	Env. Specialists	GIS Specialist	Chief Planner	Senior Archaeologists	Archaeologists	Not Used	Not Used	Not Used	SH By Activity		Average Rate Per Task
												Not Used	Activity	
3. Project Common and Project General Tasks	0	0	0	0	0	0	0	0	\$0.00	\$0.00	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
6c. Selective C&G	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
7. Utilities	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
8. Environmental Permits and Env. Clearances	173	8	31	56	24	16	30	8	0	0	0	173	\$7,903	\$45.68
9. Structures - Misc. Tasks, Dwg. Non-Tech.	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
34. Intelligent Transportation Systems Plans	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	173	8	31	56	24	16	30	8	\$0.00	\$0.00	\$0.00	173	\$7,903.14	\$45.68
Total Staff Cost		\$588.48	\$1,468.16	\$1,830.64	\$933.12	\$1,476.96	\$1,298.10	\$307.68	\$0.00	\$0.00	\$0.00		\$7,903.14	\$45.68
Check = \$7,903.14														
SALARY RELATED COSTS:														
OVERHEAD:														
194.28%														
OPERATING MARGIN:														
29%														
FCM (Facilities Capital Cost Money):														
1.5210%														
EXPENSES:														
4.02%														
SUBTOTAL ESTIMATED FEE:														
Survey (Field)														
0														
4-person crew \$ / day														
\$0.00														
Geotechnical Field and Lab Testing														
SUBTOTAL ESTIMATED FEE:														
Optional Services														
\$0.00														
\$25,987.19														
\$25,987.19														

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

Project Activity 8: Environmental Permits

Estimator:

CR 44 DESIGN SAFETY PROJECT
453449-1-38-01

Representing	Print Name	Signature / Date
FDOT District		
HALFF Environmental/Cultural Resources		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances						
8.1	Preliminary Project Research	LS	1	10	10	
	Permits					
8.2	Field Work					
8.2.1	Pond Site Alternatives	per pond site	0	0	0	
8.2.2	Establish Wetland Jurisdictional Lines and Assessments	LS	1	40	40	
8.2.3	Species Surveys	LS	1	30	30	
8.3	Agency Verification of Wetland Data	LS	1	0	0	
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	0	0	
8.4.2	Complete and Submit All Required Species Permit Applications	LS	1	0	0	
8.5	Coordinate and Review Dredge and Fill Sketches	LS	1	0	0	
8.6	Complete and Submit Documentation for Coordination and/or USCG Bridge Permit Application					
8.6.1	Prepare and submit required documents for USCG coordination	LS	1	0	0	
8.6.2	Complete and submit USCG Bridge Application	LS	1	0	0	
8.7	Prepare Water Management District or Local Water Control District Right of Way Occupancy Permit Application	LS	1	0	0	
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.9	Prepare USACE Section 408 Application to Alter a Civil Works Project	LS	1	0	0	
8.10	Compensatory Mitigation Plan	LS	1	0	0	
8.11	Mitigation Coordination and Meetings	LS	1	0	0	
8.12	Regulatory Agency Support	LS	1	0	0	
8.13	Other Environmental Permits	LS	1	0	0	
	Environmental Clearances, Reevaluations, and Technical Support					
8.14	Technical support to the Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.14.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.14.2	Archaeological and Historical Resources	LS	1	0	0	
8.14.3	Section 4(f), 6(f), and ARC	LS	1	0	0	
8.14.4	Wetland Impact Analysis	LS	1	0	0	
8.14.5	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.6	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)					
8.15.1	NEPA or SEIR Reevaluation	LS	1	30	30	
8.15.2	Archaeological and Historical Resources	LS	1	38	38	
8.15.3	Section 4(f), 6(f), and ARC	LS	1	0	0	
8.15.4	Wetland Impact Analysis	LS	1	0	0	
8.15.5	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.15.6	Protected Species and Habitat Impact Analysis	LS	1	25	25	
	Contamination Analysis					
8.16	Contamination Impact Analysis	LS	1	0	0	
8.17	Asbestos Survey	LS	1	0	0	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal						
8.18	Technical Meetings	LS	1	0	0	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	0%	0	
8.20	Supervision	LS	%	0%	0	
Environmental Permits and Environmental Clearances Nontechnical Subtotal						
8.21	Coordination	LS	%	0%	0	
8. Environmental Permits and Environmental Clearances Total						
					173	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	0	0	0			0
NMFS	EA	0	0	0			0
USACE	EA	0	0	0			0
USCG	EA	0	0	0			0
USFWS	EA	0	0	0			0
FWCC	EA	0	0	0			0
FDOT	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings					Subtotal Project Manager Meetings		
					0		
Progress Meetings (if required by FDOT)					PM attendance at Progress Meetings is manually entered on General Task 3		
					0		
Phase Review Meetings					PM attendance at Phase Review Meetings is manually entered on General Task 3		
					0		
Total Meetings					Total Project Manager Meetings (carries to Tab 3)		
					0		

Carries to 8.18

Carries to Tab 3

APPENDIX D

TIERRA

SCOPE OF SERVICES AND FEE PROPOSAL



CR 44 FROM US 441 TO SR 19 DESIGN SAFETY PROJECT FDOT FN# 453449-1-38-01

Geotechnical Scope

The purpose of this geotechnical investigation and evaluation will be to assess the shallow soil and groundwater conditions and provide recommendations for site preparation and pavement section design for the proposed Safety Improvements along CR 44 from US 441 to SR 19 in Lake County, Florida.

We understand the improvement of CR 44 will be in three (3) segments. Segment #1 will be from US 441 to Lock Road, approximately 22,704 lf (4.30 miles). Segment #2 will be from Haynes Creek Bridge to Dawn Drive, approximately 6,864 lf (1.3 miles) and Segment #3 will be from Lake County Fairgrounds to SR 19, approximately 3,168 lf (0.60 miles). In order to assist with this geotechnical investigation and in consideration of the anticipated site conditions, we propose to conduct the following scope of investigation:

- Obtain Lake County authorization to drill within the right-of-way of CR 44. We assume that the Lake County authorization to drill at the boring locations along CR 44 will be arranged by Halff Associates, Inc.
- Stake the borehole locations selected in coordination with Halff Associates, Inc, using GPS based survey equipment. The locations will be finally surveyed by the project surveyor after completion of the drilling.
- Obtain Utility Clearance for the boring locations by calling Sunshine 811. If private utility clearing company is required for detailed and expeditious service, it will be arranged by Halff Associates, Inc.
- Arrange signs and cones for traffic control during our soil boring activities, as needed. FDOT Maintenance of Traffic (MOT) plan will be required for the pavement coring activities which are anticipated to consist of flagmen and Highway Patrol Officers.
- Perform a review of published soils and topographic information from the appropriate Florida Quadrangle Map published by the USGS and the Soil Survey of Lake County, Florida, published by USDA Natural Resources Conservation Service (NRCS).
- Perform a total of 164 hand auger borings, each to a depth of 5 feet below the ground surface, along CR 44 for the proposed shoulder widening.

Tierra, Inc.

591 Susan B. Britt Court • Winter Garden, Florida 34787

Phone (407) 877-1354 • Fax (407) 654-7347

Florida Certificate No. 6486



- Perform a total of 50 hand auger borings, each to a depth of 8 feet below the ground surface, (20 borings at Segment #1 and 30 borings at Segment #2) within possible unsuitable soil areas.
- Observe groundwater depths in the borings and estimate Seasonal High Groundwater Table (SHGWT).
- Classify the soil samples according to AASHTO classification system, perform laboratory tests including grain size analyses, Atterberg Limit Tests, organic content and natural moisture content on selected samples, as needed.
- Perform a total of twenty (20) pavement section core boring, at the boring locations within the existing paved roadway, in order to document the surface asphalt course thickness, base course type and thickness, and subbase type and thickness (if present). The core borings will then be advanced with hand auger, to a depth of 5 feet beneath the existing roadway surface, in order to evaluate shallow soil and groundwater conditions. Upon completion, the boreholes will be backfilled with soil cuttings and the pavement surface will be repaired with asphalt patch material.
- Prepare a geotechnical engineering report summarizing all of the results from the field data, subsurface conditions encountered, laboratory results, estimation of seasonal high groundwater level, evaluation of the existing pavement section, and provide recommendations for pavement design for the proposed roadway improvements. Included with this report will be a Roadway Soil Survey Sheet, per FDOT Standards, to be incorporated into Halff Associates Inc.'s Roadway Plan Set.

We estimate our fee to conduct this investigation including field investigation, laboratory classification, analyses and preparation of reports is estimated to be \$76,658.20.

Tierra, Inc.
Table 6 Standard Fee Schedule

CR 44 Safety Improvements
from US 441 to SR 19
Lake County, Florida

Item Description	Unit	Unit Price	Quantity	Total
Geotechnical Field Investigation				
401-Geo Auger Borings- Hand & Truck/Mud Bug	LF	\$ 15.75	1220	\$ 19,215.00
402-Geo Auger Borings- Track	LF	\$ 19.80		\$ -
403-Geo Backhoe (Owned)	Day	\$ 1,500.00		\$ -
405-Geo Barge (Owned)	Day	\$ 4,200.00		\$ -
406-Geo Barge Rental (Rental without labor)	Day	\$ 5,800.00		\$ -
407-Geo Chainsaw (Owned)	Day	\$ 145.00		\$ -
415-Geo Double Ring Infiltration ASTM D3385	Each	\$ 704.00		\$ -
416-Geo Dozer (Owned)	Day	\$ 1,800.00		\$ -
418-Geo Drill Crew Support Vehicle	Day	\$ 300.00	15	\$ 4,500.00
421-Geo Dynamic Pile Testing/Pile Driving Analyzer	Day	\$ 630.00		\$ -
422-Geo Extra SPT Samples-Barge/Track/Amphibious 000-050 Ft	Each	\$ 115.00		\$ -
423-Geo Extra SPT Samples-Barge/Track/Amphibious 050-100 Ft	Each	\$ 115.00		\$ -
424-Geo Extra SPT Samples-Barge/Track/Amphibious 100-150 Ft	Each	\$ 135.00		\$ -
425-Geo Extra SPT Samples-Barge/Track/Amphibious 150-200 Ft	Each	\$ 185.00		\$ -
427-Geo Extra SPT Samples-Truck/Mud Bug 000-050 Ft	Each	\$ 115.00		\$ -
428-Geo Extra SPT Samples-Truck/Mud Bug 050-100 Ft	Each	\$ 115.00		\$ -
429-Geo Extra SPT Samples-Truck/Mud Bug 100-150 Ft	Each	\$ 130.00		\$ -
430-Geo Extra SPT Samples-Truck/Mud Bug 150-200 Ft	Each	\$ 130.00		\$ -
432-Geo Field Permeability 0-10 Ft (Open - End Borehole Method)	Each	\$ 440.00		\$ -
434-Geo Ground Penetrating Radar (GPR)	Hour	\$ 433.00		\$ -
435-Geo Grout Boreholes- Barge/Track/Amphibious 000-050 Ft	LF	\$ 11.70		\$ -
436-Geo Grout Boreholes- Barge/Track/Amphibious 050-100 Ft	LF	\$ 13.60		\$ -
437-Geo Grout Boreholes- Barge/Track/Amphibious 100-150 Ft	LF	\$ 18.90		\$ -
438-Geo Grout Boreholes- Barge/Track/Amphibious 150-200 Ft	LF	\$ 27.00		\$ -
440-Geo Grout Boreholes- Truck/Mud Bug 000-050 Ft	LF	\$ 8.05		\$ -
441-Geo Grout Boreholes- Truck/Mud Bug 050-100 Ft	LF	\$ 9.95		\$ -
442-Geo Grout Boreholes- Truck/Mud Bug 100-150 Ft	LF	\$ 14.70		\$ -
443-Geo Grout Boreholes- Truck/Mud Bug 150-200 Ft	LF	\$ 19.95		\$ -
445-Geo Grouted Monitor Well 2" 000-050 Ft	LF	\$ 90.00		\$ -
450-Geo Piezometer 2" 000-050 Ft	LF	\$ 55.00		\$ -
453-Geo Rock Coring Barge/Track/Amphibious 000-050 Ft less than 4" ID	LF	\$ 78.80		\$ -
455-Geo Rock Coring Barge/Track/Amphibious 050-100 Ft less than 4" ID	LF	\$ 88.00		\$ -
457-Geo Rock Coring Barge/Track/Amphibious 100-150 Ft less than 4" ID	LF	\$ 98.00		\$ -
459-Geo Rock Coring Barge/Track/Amphibious 150-200 Ft less than 4" ID	LF	\$ 116.30		\$ -
463-Geo Rock Coring Truck/Mud Bug 000-050 Ft less than 4" ID	LF	\$ 55.00		\$ -
465-Geo Rock Coring Truck/Mud Bug 050-100 Ft less than 4" ID	LF	\$ 62.10		\$ -
467-Geo Rock Coring Truck/Mud Bug 100-150 Ft less than 4" ID	LF	\$ 71.45		\$ -
473-Geo SPT Barge/Track/Amphibious 000-050 Ft	LF	\$ 39.00		\$ -
474-Geo SPT Barge/Track/Amphibious 050-100 Ft	LF	\$ 38.30		\$ -
475-Geo SPT Barge/Track/Amphibious 100-150 Ft	LF	\$ 58.25		\$ -
476-Geo SPT Barge/Track/Amphibious 150-200 Ft	LF	\$ 78.45		\$ -
478-Geo SPT Truck-Mud Bug 0-50 Ft	LF	\$ 19.50		\$ -
479-Geo SPT Truck-Mud Bug 50-100 Ft	LF	\$ 22.20		\$ -
480-Geo SPT Truck-Mud Bug 100-150 Ft	LF	\$ 38.30		\$ -
481-Geo SPT Truck-Mud Bug 150-200 Ft	LF	\$ 50.50		\$ -
483-Geo Temp Casing 3" Barge/Track/Amphibious 0-050 Ft	LF	\$ 17.75		\$ -
484-Geo Temp Casing 3" Barge/Track/Amphibious 50-100 Ft	LF	\$ 22.30		\$ -
485-Geo Temp Casing 3" Barge/Track/Amphibious 100-150 Ft	LF	\$ 28.45		\$ -

Tierra, Inc.
Table 6 Standard Fee Schedule

CR 44 Safety Improvements
from US 441 to SR 19
Lake County, Florida

Item Description	Unit	Unit Price	Quantity	Total
486-Geo Temp Casing 3" Barge/Track/Amphibious 150-200 Ft	LF	\$ 35.30		\$ -
488-Geo Temp Casing 3" Truck/Mud Bug 000-050 Ft	LF	\$ 12.75		\$ -
489-Geo Temp Casing 3" Truck/Mud Bug 050-100 Ft	LF	\$ 16.60		\$ -
490-Geo Temp Casing 3" Truck/Mud Bug 100-150 Ft	LF	\$ 20.25		\$ -
491-Geo Temp Casing 3" Truck/Mud Bug 150-200 Ft	LF	\$ 24.45		\$ -
514-Geo Truck/Mud Bug Mobil (30 miles straightline distance)	Each	\$ 840.00		\$ -
515-Geo Undisturbed Samples Barge/Track/Amphibious 000-050 Ft	Each	\$ 315.00		\$ -
516-Geo Undisturbed Samples Barge/Track/Amphibious 050-100 Ft	Each	\$ 355.00		\$ -
517-Geo Undisturbed Samples Barge/Track/Amphibious 100-150 Ft	Each	\$ 445.00		\$ -
518-Geo Undisturbed Samples Barge/Track/Amphibious 150-200 Ft	Each	\$ 530.00		\$ -
519-Geo Undisturbed Samples Truck/Mud Bug 000-050 Ft	Each	\$ 225.00		\$ -
520-Geo Undisturbed Samples Truck/Mud Bug 050-100 Ft	Each	\$ 250.00		\$ -
521-Geo Undisturbed Samples Truck/Mud Bug 100-150 Ft	Each	\$ 310.00		\$ -
522-Geo Undisturbed Samples Truck/Mud Bug 150-200 Ft	Each	\$ 353.00		\$ -
525-Geo Well Development	Hour	\$ 216.00		\$ -
531-Geo Truck/Mudbug Drill Rig and Crew (2-person)	Hour	\$ 300.00		\$ -
532-Geo Truck/Mudbug Drill Rig and Crew (3-person)	Hour	\$ 375.00		\$ -
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	\$ 314.00		\$ -
534-Geo Track/Barge Drill Rig and Crew (3-person)	Hour	\$ 505.00		\$ -
535-Geo Clearing Equip- Tractor, Bush Hog Attachment	Day	\$ 1,950.00		\$ -
536-Geo Clearing Equip-Skid Steer/ASV, ForestMulching Attach	Day	\$ 1,700.00		\$ -
537-Geo Clearing Equip-Skid Steer/ASV, Brush Cutter Attach	Day	\$ 2,010.00		\$ -
538-Geo Clearing Equipment	Day	\$ 2,510.00		\$ -
539-Geo Wash Boring for Rock Cores 0-50 Ft	LF	\$ 14.00		\$ -
540-Geo Wash Boring for Rock Cores 50-100 Ft	LF	\$ 16.25		\$ -
541-Geo Wash Boring for Rock Cores 100-150 Ft	LF	\$ 24.00		\$ -
542-Geo Wash Boring for Rock Cores 150-200 Ft	LF	\$ 27.25		\$ -
602-Mobilization-Vibration Monitoring Equipment	Each	\$ 399.00		\$ -
604-Mobilization Barge Large	Each	\$ 15,400.00		\$ -
608 Mobilization Drill Rig Amphibious	Each	\$ 12,600.00		\$ -
609-Geo Mobilization Drill Rig Barge Mount	Each	\$ 13,000.00		\$ -
610-Geo Mobilization Drill Rig Track Mount	Each	\$ 3,650.00		\$ -
612-Geo Mobilization Drill Rig Truck Mount	Each	\$ 720.00		\$ -
614-Geo Mobilization Mudbug/All Terrain Vehicle	Each	\$ 1,225.00		\$ -
618-Geo Mobilization Support Boat	Each	\$ 670.00		\$ -
619-Geo Mobilization Tri-Pod	Each	\$ 1,900.00		\$ -
620-Mobilization of Clearing Equipment	Each	\$ 714.00		\$ -
701-MOT Attenuator Truck	Hour	\$ 320.00		\$ -
702-MOT Channelizing Devices - Type I, II, VP, Drum (each)	Each	\$ 5.95		\$ -
706-MOT Portable Sign	Each	\$ 64.40		\$ -
708-MOT Provide Channelizing Devices - Cone	Each	\$ 9.80		\$ -
710-MOT Shadow Vhcle w/ Adv. Warning Arrow & Attenuator	Hour	\$ 325.00		\$ -
712-MOT Support Vehicle	Hour	\$ 162.00	24	\$ 3,888.00
Asphalt and Concrete Pavement Coring				
603-Mobilization Asphalt Coring Equipment	Each	\$ 515.00	1	\$ 515.00
606-Mobilization Concrete Coring	Each	\$ 510.00		\$ -
209-Asphalt Pavement Coring - 4" dia with Base Depth Check	Each	\$ 275.00	20	\$ 5,500.00
210-Asphalt Pavement Coring - 4" dia without Base Depth Check	Each	\$ 227.00		\$ -
211-Asphalt Pavement Coring - 6" dia with Base Depth Check	Each	\$ 345.00		\$ -
212-Asphalt Pavement Coring - 6" dia without Base Depth Check	Each	\$ 270.00		\$ -
305-Concrete Pavement Coring - 4" Dia	Each	\$ 280.00		\$ -
306-Concrete Pavement Coring - 6" Dia	Each	\$ 310.00		\$ -

Tierra, Inc.
Table 6 Standard Fee Schedule

CR 44 Safety Improvements
from US 441 to SR 19
Lake County, Florida

Item Description	Unit	Unit Price	Quantity	Total
Geotechnical Soil Laboratory Testing				
800-Soils Chloride Soil or Water FM 5-552	Test	\$ 115.00		\$ -
803-Soils Consolidation - Constant Strain ASTM D4186	Test	\$ 690.00		\$ -
804-Soils Consol-Extend Load Incrmnts AASHTO T216	Day	\$ 238.00		\$ -
805-Soils Corrosion Series FM 5-550 through 5-553	Test	\$ 320.00		\$ -
806-Soils Direct Shear Consolid Drained/ Point FM 3-D3080	Test	\$ 440.00		\$ -
810-Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	\$ 464.00		\$ -
811-Soils Liquid Limit AASHTO T89	Test	\$ 76.00	8	\$ 608.00
812-Soils Materials Finer than 200 Sieve FM 1-T011	Test	\$ 65.00		\$ -
817-Soils Moisture Content Laboratory AASHTO T265	Test	\$ 23.80	18	\$ 428.40
819-Soils Organic Content Ignition FM 1 T-267	Test	\$ 61.00	10	\$ 610.00
821-Soils Particle Size Anlys AASHTO T88 (Incl. Hydrometer)	Test	\$ 250.00		\$ -
822-Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Test	\$ 98.00	40	\$ 3,920.00
823-Soils Permeability Constant Head AASHTO T215	Test	\$ 445.00		\$ -
824-Soils Permeability Falling Head FM 5-513	Test	\$ 385.00		\$ -
825-Soils pH Soil or Water FM 5-550	Test	\$ 65.00		\$ -
826-Soils Plastic Limit & Plasticity Index AASHTO T90	Test	\$ 76.00	8	\$ 608.00
827-Soils Proctor Modified FM 1-T180	Test	\$ 165.00		\$ -
828-Soils Proctor Standard AASHTO T99	Test	\$ 165.00		\$ -
829-Soils Resistivity Soil or Water FM 5-551	Test	\$ 73.00		\$ -
832-Soils Split Tensile Strgth of Rock Cores ASTM D3967	Test	\$ 195.00		\$ -
833-Soils Sulfate Soil or Water FM 5-553	Test	\$ 80.00		\$ -
838-Soils Unconfined Compression - Rock ASTM D7012, Method C	Test	\$ 250.00		\$ -
Engineering and Technical Support Services				
Chief Scientist	Hour	\$ 215.26		\$ -
CADD/Computer Technician	Hour	\$ 159.90		\$ -
Chief Engineer	Hour	\$ 257.28		\$ -
Engineer	Hour	\$ 175.51		\$ -
Engineer Intern	Hour	\$ 142.98		\$ -
Engineering Technician	Hour	\$ 113.53		\$ -
Principal Engineer	Hour	\$ 296.75		\$ -
Secretary/Clerical	Hour	\$ 139.11		\$ -
Senior Engineer	Hour	\$ 252.16		\$ -
Senior Engineering Technician	Hour	\$ 146.63		\$ -
Total Estimated Field/Lab Fee				\$ 39,792.40

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT																																																																																																																																																																																					
Name of Project: CR 44 from US 441 to SR 19 Design Safety Project County: Lake FPN: 453449-1-38-01 FAP No.: N/A																																																																																																																																																																																					
Consultant Name: Tierra, Inc. Consultant No.: 5511-26-001 Date: 4/8/2026 Estimator: JS																																																																																																																																																																																					
Staff Classification	Chief Scientist	MAT CADD/Computer Technician	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Engineering Technician	MAT Principal Engineer	MAT Secretary/Clerical	MAT Senior Engineer	MAT Senior Engineering Technician		SH By Activity	Average Rate Per Task																																																																																																																																																																								
3. Project Common and Project General Tasks	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
4. Roadway Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
5. Roadway Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
6a. Drainage Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
6b. Drainage Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
6c. Selective C&G	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
7. Utilities	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
8. Environmental Permits and Env. Clearances	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
9. Structures - Misc. Tasks, Dvgs. Non-Tech.	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
10. Structures - Bridge Development Report	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
11. Structures - Temporary Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
12. Structures - Short Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
13. Structures - Medium Span Concrete Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
14. Structures - Structural Steel Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
15. Structures - Segmental Concrete Bridge	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
16. Structures - Movable Span	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
17. Structures - Retaining Walls	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
18. Structures - Miscellaneous	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
19. Signing & Pavement Marking Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
20. Signing & Pavement Marking Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
21. Signalization Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
22. Signalization Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
23. Lighting Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
24. Lighting Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
25. Landscape Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
26. Landscape Plans	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
27. Survey (Field & Office Support)	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
29. Mapping	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
30. Terrestrial Mobile LIDAR	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
31. Architecture Development	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
32. Noise Barriers Impact Design Assessment	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
33. Intelligent Transportation Systems Analysis	0	0	0	0	0	0	0	0	0	0	\$0.00	0	\$0.00																																																																																																																																																																								
34. Intelligent Transportation Systems Plans	219	0	33	2	74	44	18	4	26	18	\$11,527.66	219	\$52.64																																																																																																																																																																								
35. Geotechnical	219	0	33	2	74	44	18	4	26	18	\$11,527.66	219	\$52.64																																																																																																																																																																								
Total Staff Hours	\$0.00	\$1,550.00	\$160.90	\$4,051.12	\$1,987.24	\$639.00	\$0.00	\$174.00	\$2,950.10	\$825.30	\$0.00	\$0.00	\$11,527.66																																																																																																																																																																								
Total Staff Cost													\$52.64																																																																																																																																																																								
Notes: 1. This sheet to be used by Subconsultant to calculate its fee.																																																																																																																																																																																					
<table border="1"> <thead> <tr> <th colspan="10">SALARY RELATED COSTS:</th><th colspan="4">Check =</th></tr> </thead> <tbody> <tr> <td>OVERHEAD:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$11,527.66</td></tr> <tr> <td>OPERATING MARGIN:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$19,680.02</td></tr> <tr> <td>FCM (Facilities Capital Cost Money):</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$3,804.13</td></tr> <tr> <td>EXPENSES:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$294.30</td></tr> <tr> <td>SUBTOTAL ESTIMATED FEE:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$1,559.69</td></tr> <tr> <td>Survey (Field):</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$36,865.80</td></tr> <tr> <td>Geotechnical Field and Lab Testing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.00</td></tr> <tr> <td>SUBTOTAL ESTIMATED FEE:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$39,792.40</td></tr> <tr> <td>Optional Services</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$76,658.20</td></tr> <tr> <td>GRAND TOTAL ESTIMATED FEE:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.00</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$76,658.20</td></tr> </tbody> </table>														SALARY RELATED COSTS:										Check =				OVERHEAD:													\$11,527.66	OPERATING MARGIN:													\$19,680.02	FCM (Facilities Capital Cost Money):													\$3,804.13	EXPENSES:													\$294.30	SUBTOTAL ESTIMATED FEE:													\$1,559.69	Survey (Field):													\$36,865.80	Geotechnical Field and Lab Testing													\$0.00	SUBTOTAL ESTIMATED FEE:													\$39,792.40	Optional Services													\$76,658.20	GRAND TOTAL ESTIMATED FEE:													\$0.00														\$76,658.20
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35. Geotechnical

Estimator: Jeremy Sewell

CR 44 from US 441 to SR 19 Design Safety Project
453449-1-38-01

Representing	Print Name	Signature / Date
Lake County		
Tierra, Inc.	Jeremy Sewell	

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway						
35.1	Document Collection and Review	LS	1	4	4	USDA, USGS, Potentiometric, etc.
35.2	Develop Detailed Boring Location Plan	LS	1	4	4	Geotechnical Scope As Requested and provided by Half/Lake County ROADWAY 164 HAs to 5' (820 LF) within CR 44 shoulder widening areas. 50 HAs to 8' (400 LF) within possible unsuitable soils (20 within Seg 1 and 30 within Seg 2). Perform 20 Pavement Cores at the location of auger borings within existing paved roadway. NO PONDS TOTAL: 214 HAs (1,220 LF) and 20 Pavement Cores
35.3	Stake Borings/Utility Clearance	Boring	214	0.15	32	
35.4	Muck Probing	Crew Day	0	0	0	N/A - Additional Hand Auger borings only.
35.5	Coordinate and Develop MOT Plans for Field Investigation	EA	1	2	2	Signs/cones only for augers. Flaggers and Highway Patrol for coring operations.
35.6	Drilling Access Permits	Location	0	0	0	N/A - Lake County authorization to drill within Right-of-Way to be obtained by Half.
35.7	Property Clearances	EA	0	0	0	N/A - Lake County authorization to drill within Right-of-Way to be obtained by Half.
35.8	Groundwater Monitoring	EA	0	0	0	N/A
35.9	LBR/Resilient Modulus Sampling	EA	0	0	0	N/A
35.10	Coordination of Field Work	100 lf of boring	12.20	0.75	9	
35.11	Soil and Rock Classification - Roadway	100 lf of boring	12.20	2	24	
35.12	Design LBR	LS	0	0	0	N/A
35.13	Laboratory Data	100 lf of boring	12.20	0.5	6	
35.14	Seasonal High Water Table	Boring	214	0.1	21	
35.15	Parameters for Water Retention Areas	EA	0	0	0	N/A
35.16	Delineate Limits of Unsuitable Material	Cross-section	10	1	10	

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.17	Electronic Files for Cross-Sections	100 lf of boring	12.20	1	12	
35.18	Embankment Settlement and Stability	Embankment Boring	0	0	0	N/A - No high embankments.
35.19	Monitor Existing Structures	LS	0	0	0	N/A
35.20	Stormwater Volume Recovery and/or Background Seepage Analysis	EA	0	0	0	N/A - Drainage not part of scope.
35.21	Geotechnical Recommendations	LS	1	4	4	
35.22	Pavement Condition Survey and Pavement Evaluation Report	LS	1	8	8	
35.23	Preliminary Roadway Report	LS	1	12	12	
35.24	Final Report	EA	1	8	8	
35.25	Auger Boring Drafting	100 lf boring	12.20	3	37	
35.26	SPT Boring Drafting	100 lf boring	0	0	0	N/A
Roadway Geotechnical Subtotal					193	
Structures						
35.27	Develop Detailed Boring Location Plan	LS	0	0	0	N/A
35.28	Stake Borings/Utility Clearance	Boring	0	0	0	N/A
35.29	Coordinate and Develop MOT Plans for Field Investigation	EA	0	0	0	N/A
35.30	Drilling Access Permits	Location	0	0	0	N/A
35.31	Property Clearances	EA	0	0	0	N/A
35.32	Collection of Corrosion Samples	EA	0	0	0	N/A
35.33	Coordination of Field Work	100 lf of boring	0	0	0	N/A
35.34	Soil and Rock Classification - Structures	100 lf of boring	0	0	0	N/A
35.35	Tabulation of Laboratory Data	100 lf of boring	0	0	0	N/A
35.36	Estimate Design Groundwater Level for Structures	EA	0	0	0	N/A
35.37	Selection of Foundation Alternatives (BDR)	Bridge boring	0	0	0	N/A
35.38	Detailed Analysis of Selected Foundation Alternate(s)	Bridge boring	0	0	0	N/A
35.39	Bridge Construction and Testing Recommendations	Bridge boring	0	0	0	N/A
35.40	Lateral Load Analysis (Optional)	Bridge boring	0	0	0	N/A
35.41	Walls	Wall Boring	0	0	0	N/A
35.42	Sheet Pile Wall Analysis (Optional)	Wall Boring	0	0	0	N/A

35. Geotechnical

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
35.43	Design Soil Parameters for Signs, Signals, High Mast Lights, and Strain Poles and Geotechnical Recommendations	Boring	0	0	0	N/A
35.44	Box Culvert Analysis	EA	0	0	0	N/A
35.45	Preliminary Report - BDR	EA	0	0	0	N/A
35.46	Final Report - Bridge and Associated Walls	EA	0	0	0	N/A
35.47	Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights	EA	0	0	0	N/A
35.48	SPT Boring Drafting	100 lf of boring	0	0	0	N/A
35.49	Other Geotechnical	LS	0	0	0	N/A
Structural Geotechnical Subtotal					0	
Geotechnical Technical Subtotal					193	
35.50	Technical Special Provisions and Modified Special Provisions	EA	0	0	0	N/A
35.51	Field Reviews	LS	1	0	0	N/A
35.52	Technical Meetings	LS	1	0	0	Meetings listed below
35.53	Quality Assurance/Quality Control	LS	%	5%	10	
35.54	Supervision	LS	%	5%	10	
Geotechnical Nontechnical Subtotal					20	
35.55	Coordination	LS	%	3%	6	
35. Geotechnical Total					219	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff Meeting with County	EA	0	0	0			0
Boring Layout Approval	EA	0	0	0			0
Attend in BDR Review Meeting	EA	0	0	0			0
30/60/90% Submittal Review	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				0	Subtotal Project Manager Meetings		0
Progress Meetings (if required by County)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--
Phase Review Meetings	EA	0	0	0	PM attendance at Phase Review Meetings is manually entered on General Task 3		--
Total Meetings				0	Total Project Manager Meetings (carries to Tab 3)		0

Carries to 35.52

Carries to Tab 3

ATTACHMENT C – CERTIFICATIONS



ADDENDUM NO. 1

24-934



REAL FLORIDA • REAL CLOSE
Office of Procurement Services

P.O. Box 7800 • 315 W. Main St., Suite 416 • Tavares, FL 32778

SOLICITATION: Engineering and Design Services for CR-44 from US-441 to SR-19 Safety Improvement
07/02/2024

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

THIS ADDENDUM DOES NOT CHANGE THE DATE FOR RECEIPT OF PROPOSALS.

QUESTIONS/RESPONSES

1. Would the County please remove the "Warranty" and "Deficiencies in Work to be Corrected by the Contractor" provisions on page 7 of Exhibit C? We believe those sections are not applicable to the services provided by design professionals. Design professionals providing professional services, unlike contractors who provide materials and goods, cannot warrant or guarantee their services as part of a contract, other than to warrant that the services will be conducted per the professional standard of care.

Response: No

2. The "Indemnification" section on page 10 and 11 of Exhibit C does not comply with Florida Statute 725.08. Will the County please consider rewording same to conform with the statute. Suggested language per FL Statutes 725.08: "The design professional shall indemnify and hold harmless the agency, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the design professional and other persons employed or utilized by the design professional in the performance of the contract."

Response: No

3. Would the County consider adding language stating that Consultant can rely on the accuracy of all information provided. Suggested language: The Consultant will rely upon the accuracy and completeness of all documents, surveys, reports, plans and specifications provided by the County or by others for whom the Consultant is not legally responsible. The County acknowledges that verifying the accuracy and completeness of such items is not part of the Consultant's scope of services.

Response: No

4. As currently worded, we believe that the indemnity provision, Section 5.8, in Exhibit E of the Sample Contract is not in compliance with FL Statute 725.08. Would the County please



ADDENDUM NO. 1

24-934

consider rewording same to conform with the statute? Suggested language per FL Statutes 725.08: "The design professional shall indemnify and hold harmless the agency, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the design professional and other persons employed or utilized by the design professional in the performance of the contract."

Response: No

5. Would the County please remove the last sentence in 5.3 "Accuracy and Warranty" of Exhibit E "Sample Contract"? We believe this is not applicable to design professionals but rather only to contractors.

Response: We assume you are referenced section 5.13- No.

6. Will the County please provide a copy of the LAP Agreement between FDOT and County? If a final copy has not been prepared, will the County please provide a draft copy if available?

Response: The safety document has been provided. A draft LAP Agreement is not yet available.

7. 10.5.1. Attachment 2: Professional Services Commitment Form, resumes and professional licenses are requested here; there is not a standalone section for org chart or information regarding key personnel but there is 20 points allocated to this evaluation criteria. Where would the County like this information furnished?

Response: Please include with Attachment 2 – Professional Services Commitment Form

8. 10.5.1. Attachment 3: Similar Projects Form, under the request there is a standalone bullet "right-of-way surveying and mapping experience in accordance with FDOT standards for right-of-way mapping". What is the related to? Firm's experience with these standards? This experience is not listed under the evaluation criteria.

Response: If the project involves survey and determination of right of way, please include that information in the project descriptions.

9. We did not see a listing of the FDOT Work Groups required for this project within the RSQ. Can you please provide the work groups for this project to ensure our team meets all requirements and to fill out the requested FDOT Professional Services Commitment Form?

Response: FDOT prequalification is not required for this solicitation.

10. The text of the RSQ states, "The last day for questions or requests for exceptions is 06/20/2024." Is this referring to exceptions to the RSQ and/or contract redlines?

Response: Yes, any questions or requests related to RSQ or contract.

11. Can we include covers and tabs with the five major sections?



ADDENDUM NO. 1

24-934

Response: Yes, but please remember the submittals are digital not hard copy.

12. Does the County request an organizational chart for this submittal? If so, in which section should it be included?

13. **Response:** Please include with Attachment 2 – Professional Services Commitment Form

14. In past Lake County submittals, the County has provided a Team Composition Form to list specific/key personnel for each firm (prime and sub). This submittal does not currently have that form but is instead asking for the Professional Services Commitment Form in lieu of that. The Professional Services Commitment Form does not allow for that information to be entered, only information regarding the names of firms and the % of work they'll handle for the contract. Could the County please clarify how to proceed in listing our key personnel information?

Response: Please include the stated information in Attachment 2 – Professional Services Commitment Form

15. Are there any page limits for any of the sections?

Response: There are no page limits. Brevity and details are desired more than pure marketing type materials.

ACKNOWLEDGEMENT

Firm Name: Halff Associates, Inc.

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: 

Date: 7/10/2024

Print Name: Duane Booth, PE

Title: Operations Manager

Primary E-mail Address: dbooth@halff.com

Secondary E-mail Address: msantoro@halff.com



ATTACHMENT 1

SUBMITTAL FORM

RSQ# 24-934

The undersigned hereby declares that: Halff Associates, Inc. has examined and accepts the specifications, terms, and conditions presented in this Solicitation, satisfies all legal requirements to do business with County, and to furnish **CR44 FROM US441 TO SR19 DESIGN SERVICES** for which Submittals were advertised to be received no later than 3:00 P.M. Eastern time on the date stated in the solicitation or as noted in an addenda. Furthermore, the undersigned is duly authorized to execute this document and any contracts or other transactions required by award of this Solicitation.

1.0 PAYMENT

Vendor accepts MasterCard for payment: YES

2.0 CERTIFICATION REGARDING LAKE COUNTY TERMS AND CONDITIONS

I certify that I have reviewed the General Terms and Conditions for Lake County Florida and accept the Lake County General Terms and Conditions dated 5/6/21 as written including the Proprietary/Confidential Information section. YES

Failure to acknowledge may result in Submittal being deemed non-responsive.

3.0 CERTIFICATION REGARDING FELONY CONVICTION

Has any officer, director, or an executive performing equivalent duties, of the bidding entity been convicted of a felony during the past ten (10) years? NO

4.0 CONFLICT OF INTEREST DISCLOSURE CERTIFICATION

Except as listed below, no employee, officer, or agent of the firm has any conflicts of interest, real or apparent, due to ownership, other clients, contracts, or interests associated with this project; and, this Submittal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a proposal for the same services, and is in all respects fair and without collusion or fraud. YES

5.0 DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

County does not establish specific goals for minority set-asides however, participation by minority and non-minority qualified firms is strongly encouraged. If the firm is a minority firm or has obtained certification by the State of Florida, Office of Supplier Diversity, (OSD) (CMBE), please indicate the appropriate classification(s) N/A
and enter OSD Certification Number
and enter effective date to date

6.0 ANTITRUST VIOLATOR VENDOR LISTS

A person or an affiliate who has been placed on the antitrust violator vendor list following a conviction or being held civilly liable for an antitrust violation may not submit a bid, proposal, or reply for any new contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply for a new contract with a public entity for the construction or repair of a public building or public work; may not submit a bid, proposal, or reply on new leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a new contract with a public entity; and may not transact new business with a public entity.



ATTACHMENT 1

SUBMITTAL FORM

RSQ# 24-934

7.0 FEDERAL FUNDING REQUIREMENT – N/A

8.0 LOCAL VENDOR PREFERENCE – N/A

9.0 GENERAL VENDOR INFORMATION

Firm Name: Halff Associates, Inc.

Street Address: 902 N. Sinclair Avenue

City: Tavares

State and ZIP Code: Florida 32778

Mailing Address (if different): N/A

Telephone: 352.343.8481

Purchase Order Email Address: receivables@halff.com

Federal Identification Number / TIN: 75-1308699

10.0 SUBMITTAL SIGNATURE

I hereby certify the information indicated for this Submittal is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an authorized representative of this Vendor and/or empowered to execute this Submittal on behalf of the Vendor. I, individually and on behalf of the Vendor, acknowledge and agree to abide by all terms and conditions contained in this solicitation as well as any attachments, exhibits, or addenda.

Name of Legal Representative Submitting this Proposal: Duane Booth, PE

Date: 7/10/24

Print Name: Duane Booth, PE

Title: Operations Manager

Primary E-mail Address: dbooth@halff.com

Secondary E-mail Address: msantoro@halff.com

The individual signing this Submittal affirms that the facts stated herein are true and that the response to this Solicitation has been submitted on behalf of the aforementioned Vendor.

[The remainder of this page is intentionally blank]

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
PROFESSIONAL SERVICES COMMITMENT FORM

375-030-83
PROCUREMENT
08/25

Submit this form as required in the Request for Proposal or alternatively, at the time of Expanded Letter of Response is due:

Contract/Advertisement No.:		Prime Consultant:	HALFF Associates, Inc.
Project Description:	Eng. & Design Services for CR 44 from US 441 to SR 19 Design Safety Project		

Expected percentage of contract fees to be utilized by Small Businesses 0 %. (Combine Small Business Prime and Small Business subconsultants, if applicable).

The proposed Prime and subconsultants/subvendors' work is as follows:

Prime	Type of Work (List each type of work separately, only one type of work per line)	% of overall contract amount	Small Business	Non Small Business
HALFF Associates, Inc.	3.1	54.99	☐	☒
	7.1	6.13		
	8.2	25.47		
	8.4	3.39		
	Choose an item.			
	Choose an item.			
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	Choose an item.			

Subconsultant/Subvendor	Type of Work (List each type of work separately, only one type of work per line)	% of overall contract amount	Small Business	Non Small Business
Tierra	9.1	4.82	☐	☒
Tierra	9.2	5.20	☐	☒
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐
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	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐

PROFESSIONAL SERVICES COMMITMENT FORM

Subconsultant/Subvendor	<u>Type of Work</u> (List each type of work separately, only one type of work per line)	% of overall contract amount	Small Business	Non Small Business
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐
	Choose an item.		☐	☐

Total percent for Prime and Subs committed:
(Note to Consultants: should be 100% when submitted to FDOT) 100

Total percent for Prime and Subs remaining to be committed:
(Note to Consultants: should be 0% when submitted to FDOT) 0

The percentage column must total 100% for Prime and all subs.

Small Business status for **Non-Professional Services firms** can be found here:

[https://ssrs.fdot.gov/Reports/report/PDA Reports/Public Reports/SmallBusinessCertificationReport](https://ssrs.fdot.gov/Reports/report/PDA%20Reports/Public%20Reports/SmallBusinessCertificationReport)

Small Business status for **Professional Services firms** is located here:

<https://www.fdot.gov/procurement/InternetReports.shtm#qual>

By: Brett J. Tobias, P.E. Title: Operations Manager Date: 4/10/2026



ATTACHMENT 3

SIMILAR PROJECTS FORM

RSQ #24-934

Work by firm members which best illustrate current qualifications relevant to Project having been/is being accomplished by personnel assigned to Project. List no less than three (3) but no more than ten (10) projects.

<u>Project Name & Location</u> Villa City Road Safety Design Groveland, FL <u>Project Manager:</u> John Dee, PE		<u>Project Owners Name & Address</u> Lake County 315 W. Main Street, Suite 416 Tavares, FL 32778				
<u>Completion Date (Actual or Estimated)</u> Estimated - 2024						
<u>Estimated Cost (In Thousands)</u> <table border="1"> <tr> <td>Entire Project</td> <td>Work for which firm was/is responsible</td> </tr> <tr> <td>\$ 627</td> <td>\$ 185</td> </tr> </table>		Entire Project	Work for which firm was/is responsible	\$ 627	\$ 185	<u>Project Owner's Contact Person, Title, Email, & Telephone Number</u> George Gadiel george.gadiel@lakecountyfl.gov 352.253.9092
Entire Project	Work for which firm was/is responsible					
\$ 627	\$ 185					
<u>Scope of Entire Project</u> (Please give quantitative indications wherever possible) Engineering Design, Survey, Permitting, Utility Coordination, & Construction Administration						
<u>Nature of Firm's Responsibility in Project</u> (Please give quantitative indications wherever possible) Halff provided surveying and utility coordination services for a safety project for Villa City Road from the intersection with SR 50 to the intersection with SR 27. The project is currently a 4.58 mile, rural roadway with grass shoulders on either side. In addition, engineering services are being provided for the design and implementation of safety features along the project corridor.						
<u>Firm's Personnel (Name/Project Assignment) That Worked on the Stated Project that Shall Be Assigned to the County's Project</u> Brad Bublitz, EI - Utility Coordination Joshua Llamas, EI - Utility Coordination Suzanne Osbourne, PSM - Surveying						

v2.24



ATTACHMENT 3

SIMILAR PROJECTS FORM

RSQ #24-934

Work by firm members which best illustrate current qualifications relevant to Project having been/is being accomplished by personnel assigned to Project. List no less than three (3) but no more than ten (10) projects.

<u>Project Name & Location</u> Max Hooks Road Groveland, FL <u>Project Manager:</u> Frank Bellomo, PLA (GAI)		<u>Project Owners Name & Address</u> Lake County 315 W. Main Street, Suite 416 Tavares, FL 32778				
<u>Completion Date (Actual or Estimated)</u> 2022						
<u>Estimated Cost (In Thousands)</u> <table border="1"> <tr> <td>Entire Project</td> <td>Work for which firm was/is responsible</td> </tr> <tr> <td>\$ 256</td> <td>\$ 256</td> </tr> </table>		Entire Project	Work for which firm was/is responsible	\$ 256	\$ 256	<u>Project Owner's Contact Person, Title, Email, & Telephone Number</u> Seth Lynch seth.lynch@lakecountyfl.gov 352.253.9052
Entire Project	Work for which firm was/is responsible					
\$ 256	\$ 256					
<u>Scope of Entire Project</u> (Please give quantitative indications wherever possible) Engineering Design, Survey, Permitting, Utility Coordination, & Construction Administration						
<u>Nature of Firm's Responsibility in Project</u> (Please give quantitative indications wherever possible) Halff provided engineering design, surveying, permitting, utility coordination, project administration, and post-design services for the construction of Max Hooks Road from SR 50 to the northerly boundary of the Cypress Lakes Reserve Property. Design was for approximately 3,000 LF of a two-lane roadway. Approximately 1,100 LF of the roadway was designed with a two-lane closed drainage system and the remaining 1,900 LF is now a two-lane open drainage system.						
<u>Firm's Personnel (Name/Project Assignment) That Worked on the Stated Project that Shall Be Assigned to the County's Project</u> Brad Bublitz, EI - Halff Project Manager Duane Booth, PE - Lead Engineer						

v2.24



ATTACHMENT 3

SIMILAR PROJECTS FORM

RSQ #24-934

Work by firm members which best illustrate current qualifications relevant to Project having been/is being accomplished by personnel assigned to Project. List no less than three (3) but no more than ten (10) projects.

<u>Project Name & Location</u> CR 455 Hartle Road Extension Lake County, FL <u>Project Manager:</u> Brad Bublitz, EI		<u>Project Owners Name & Address</u> Lake County 315 W. Main Street, Suite 416 Tavares, FL 32778						
<u>Completion Date (Actual or Estimated)</u> 2019								
<u>Estimated Cost (In Thousands)</u> <table border="1"> <tr> <td>Entire Project</td> <td>Work for which firm was/is responsible</td> </tr> <tr> <td>\$ 2,535</td> <td>\$ 900</td> </tr> </table>		Entire Project	Work for which firm was/is responsible	\$ 2,535	\$ 900	<u>Project Owner's Contact Person, Title, Email, & Telephone Number</u> Seth Lynch seth.lynch@lakecountyfl.gov 352.253.6000		
Entire Project	Work for which firm was/is responsible							
\$ 2,535	\$ 900							
<u>Scope of Entire Project</u> (Please give quantitative indications wherever possible) Engineering Design, Survey, Permitting, Utility Coordination, & Construction Administration								
<u>Nature of Firm's Responsibility in Project</u> (Please give quantitative indications wherever possible) Halff provided engineering design, permitting, utility coordination and post-design services for the construction for Hartle Road from the existing terminus at Lake County Fire Station to the southerly boundary of the Waterbrooke project. Halff designed 4,400 LF of four-lane divided, urban roadway with 4-foot bike lanes, 12.5-foot multipurpose trail, and 5-foot sidewalk within a 120-foot right of way. Plans were designed to meet all Lake County and FDOT design requirements for a 45 mph design speed facility.								
<u>Firm's Personnel (Name/Project Assignment) That Worked on the Stated Project that Shall Be Assigned to the County's Project</u> <table> <tr> <td>Brad Bublitz, EI - Utility Coordination</td> <td>Ryan Owens, EI - Engineer</td> </tr> <tr> <td>Duane Booth, PE - Lead Engineer</td> <td>Ray Jones, PE - Geotechnical</td> </tr> <tr> <td>Suzanne Osbourne, PSM - Surveying</td> <td></td> </tr> </table>			Brad Bublitz, EI - Utility Coordination	Ryan Owens, EI - Engineer	Duane Booth, PE - Lead Engineer	Ray Jones, PE - Geotechnical	Suzanne Osbourne, PSM - Surveying	
Brad Bublitz, EI - Utility Coordination	Ryan Owens, EI - Engineer							
Duane Booth, PE - Lead Engineer	Ray Jones, PE - Geotechnical							
Suzanne Osbourne, PSM - Surveying								

v2.24



RSQ #24-934

375-030-50
PROCUREMENT
OGC - 1/20

[illegible]

Printed Names	Signatures	Date
Duane Booth, PE		7/10/24



ATTACHMENT 5

RSQ #24-934

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
TRUTH IN NEGOTIATION CERTIFICATION

375-030-30
PROCUREMENT
05/14

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the Department of Transportation (Department) requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Department determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Department, whichever is later.

Halff Associates, Inc.

Name of Consultant

By:  _____

7/10/24

Date



ATTACHMENT 6

PUBLIC ENTITY CRIMES STATEMENT FORM

RSQ #24-934

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A
NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to Lake County
(print name of public entity)

By Duane Booth, PE | Operations Manager
(print individual's name and title)

for Halff Associates, Inc.
(print name of entity submitting sworn statement)

whose business address is 902 N. Sinclair Ave, Tavares, FL 32778

and (if applicable) its Federal Employer Identification Number (FEIN) is 75-1308699

(if the entity has not FEIN, include the Social Security Number of the individual signing this

sworn statement:

_____.)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and Involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

BY:

Signature of Affiant

Duane Booth, PE

Printed Name

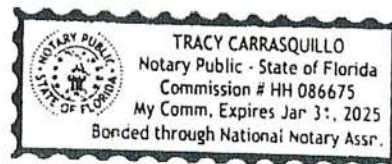
STATE OF FLORIDA
COUNTY OF Lake

Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or ☐ online notarization, this
2nd day of July, 2024, by Duane

Personally Known OR Produced Identification
Type of Identification Produced _____

(Notary Signature)

(SEAL)





ATTACHMENT 7

RSQ #24-934

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
INELIGIBILITY AND VOLUNTARY EXCLUSION-
LOWER TIER COVERED TRANSACTIONS FOR FEDERAL AID CONTRACTS**
(Compliance with 2 CFR Parts 180 and 1200)

375-030-32
PROCUREMENT
11/15

It is certified that neither the below identified firm nor its principals are presently suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Name of Consultant/Contractor: Halff Associates, Inc.

By: [Signature]

Date: 7/10/24

Title: Operations Manager

Instructions for Certification

Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

- a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.
- b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.
- d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).
- e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
- f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.
- g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.
- h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.



ATTACHMENT 8

RSQ #24-934

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES
ON FEDERAL-AID CONTRACTS**
(Compliance with 49CFR, Section 20.100 (b))

375-030-33
PROCUREMENT
01/24

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

Name of Consultant: Halff Associates, Inc.

By: Duane Booth, PE Date: 7/10/24

Authorized Signature: 

Title: Operations Manager

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DISCLOSURE OF LOBBYING ACTIVITIES

375-030-34
PROCUREMENT
02/25

Is this form applicable to your firm?

YES ☐ NO ☒

If no, then please complete section 4
below for "Prime"

1. Type of Federal Action: a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action: a. bid/offer/application b. initial award c. post-award	3. Report Type: a. initial filing b. material change For Material Change Only: Year: _____ Quarter: _____ Date of last report: _____ (mm/dd/yyyy)
4. Name and Address of Reporting Entity: ☒ Prime ☐ Subawardee Tier _____, if known: Half Associates, Inc. 902 N. Sinclair Ave. Tavares, FL 32778 Congressional District, if known: 4c _____		5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime: _____ _____ Congressional District, if known: _____
6. Federal Department/Agency: _____ _____	7. Federal Program Name/Description: _____ _____ Assistance Listing Number (ALN), if applicable: _____	
8. Federal Action Number, if known: _____	9. Award Amount, if known: \$ _____	
10. a. Name and Address of Lobbying Registrant <i>(if individual, last name, first name, MI):</i> _____ _____ _____	b. Individuals Performing Services <i>(including address if different from No. 10a)</i> <i>(last name, first name, MI):</i> _____ _____ _____	
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature:  Print Name: <u>Duane Booth, P.E.</u> Title: <u>Operations Manager</u> Telephone No.: <u>352-557-9210</u> Date (mm/dd/yyyy): <u>06/23/2025</u>	
Federal Use Only:		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.



ATTACHMENT 10

DRUGFREE WORKPLACE PROGRAM CERTIFICATON

RSQ #24-934

In order to have a drug- free workplace program, a business shall:

- (1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- (2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- (3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- (4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.
- (5) Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
- (6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Does the individual responding to this solicitation certify that their firm has implemented a drug-free workplace program in accordance with the provision of Section 287.087, Florida Statutes, as stated above?

☒ YES

☐ NO

NAME OF BUSINESS: Halff Associates, Inc.



ATTACHMENT 11

RSQ# 24-934



**AFFIDAVIT OF COMPLIANCE WITH SECTION 288.0071, FLORIDA STATUTES,
ECONOMIC INCENTIVES TO FOREIGN ENTITIES OF CONCERN**

Before me, a notary public, in and for the State of Florida – at large, personally appeared,
Duane Booth, PE, and having first made due oath or affirmation, states:

(Write Name Here)

1. My name is Duane Booth, PE.

(Write Name Here)

2. I am the Operations Manager of Halff Associates, Inc.

(Insert Job Title)

(Insert Company Name)

3. The Company was formed in Texas, U.S.A and is a Inc.

(Country and State)

(List the Type of Entity (ex.: LLC, Inc., etc.))

4. I am duly authorized and empowered and have sufficient knowledge to execute and deliver this Affidavit.

5. I affirm that the Company is not:

a. Owned or controlled by the government of the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic (collectively and individually, a Foreign Country of Concern), including any agency of or any other entity of significant control of such Foreign Country of Concern. Where 'controlled by' means *having possession of the power to direct or cause the direction of the management or policies of a company, whether through ownership of securities, by contract, or otherwise; or a person or entity that directly or indirectly has the right to vote 25 percent or more of the voting interests of the company or that is entitled to 25 percent or more of its profits is presumed to control the foreign entity; or*

b. A partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a Foreign Country of Concern, or a subsidiary of such entity.

Under penalties of perjury, I declare that I have read the foregoing Affidavit and that the facts stated in it are true.

Signed and Delivered on this 2nd day of July, 2024.

BY:

Signature of Affiant

Duane Booth, PE

Printed Name

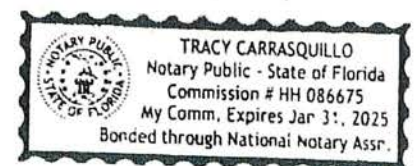
STATE OF FLORIDA
COUNTY OF Lake

Sworn to (or affirmed) and subscribed before me by means of ☐ physical presence or ☐ online notarization, this
2nd day of July, 2024, by Duane Booth.

Personally Known OR Produced Identification
Type of Identification Produced _____

(Notary Signature)

(SEAL)



Halff confirms that there are no exceptions to the RSQ.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
AFFIDAVIT REGARDING LABOR AND SERVICES

375-030-31
PROCUREMENT
07/24

Effective July 1, 2024, pursuant to §787.06(13), Florida Statutes, when a contract is executed, renewed, or extended between a nongovernmental entity and a governmental entity, the nongovernmental entity must provide the governmental entity with an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury attesting that the nongovernmental entity does not use coercion for labor or services.

Nongovernmental Entity's Name: Halff Associates, Inc.
Address: 902 N. Sinclair Avenue, Tavares, FL 32778
Phone Number: 352-343-8481
Authorized Representative's Name: Duane K. Booth, P.E.
Authorized Representative's Title: Operations Manager, V.P.
Email Address: dbooth@halff.com

AFFIDAVIT

I, insert nongovernmental entity's authorized representative name, as authorized representative attest that insert nongovernmental entity's name does not use coercion for labor or services as defined in §787.06, Florida Statutes.

Under penalty of perjury, I declare that I have read the foregoing Affidavit and that the facts stated in it are true.

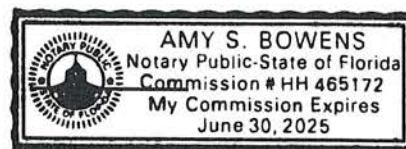
[Signature] 4/21/25
(Signature of authorized representative) Date

STATE FL
COUNTY OF Lake

Sworn to (or affirmed) and subscribed before me, by means of ☒ physical presence or ☐ online notarization, this 21st day of April 2025 (year), by Duane K. Booth

Amy S. Bowens
Notary Public
June 30, 2025

Commission Expires
Personally Known ☒ OR Produced Identification ☐
Type of Identification Produced



ATTACHMENT D - RSQ #24-934

LOCAL AGENCY PROGRAM FEDERAL-AID TERMS
For PROFESSIONAL SERVICES CONTRACTS

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TERMS FOR FEDERAL AID CONTRACTS (APPENDIX II):

The following terms apply to all contracts in which it is indicated that the services involve the expenditure of federal funds:

- A. It is understood and agreed that all rights of the Local Agency relating to inspection, review, approval, patents, copyrights, and audit of the work, tracing, plans, specifications, maps, data, and cost records relating to this Agreement shall also be reserved and held by authorized representatives of the United States of America.
- B. All tracings, plans, specifications, maps, computer files and/or reports prepared or obtained under this Agreement, as well as all data collected, together with summaries and charts derived therefrom, will be considered works made for hire and will become the property of the Agency upon completion or termination without restriction or limitation on their use and will be made available, upon request, to the Agency at any time during the performance of such services and/or completion or termination of this Agreement. Upon delivery to the Agency of said document(s), the Agency will become the custodian thereof in accordance with Chapter 119, Florida Statutes. The Consultant will not copyright any material and products or patent any invention developed under this agreement. The Agency will have the right to visit the site for inspection of the work and the products of the Consultant at any time.
- C. It is understood and agreed that, in order to permit federal participation, no supplemental agreement of any nature may be entered into by the parties hereto with regard to the work to be performed hereunder without the approval of the U.S. Department of Transportation, anything to the contrary in this Agreement notwithstanding.
- D. The Consultant shall provide access by the Florida Department of Transportation (recipient), the Agency (subrecipient), the Federal Highway Administration, the U.S. Department of Transportation's Inspector General, the Comptroller General of the United States, or any of their duly authorized representatives to any books, documents, papers, and records of the Consultant which are directly pertinent to that specific contract for the purpose of making audit, examination, excerpts, and transcriptions.
- E. Compliance with Regulations: The Consultant shall comply with the Regulations: relative to nondiscrimination in Federally-assisted programs of the U.S. Department of Transportation Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this Agreement.
- F. Nondiscrimination: The Consultant, with regard to the work performed during the contract, shall not discriminate on the basis of race, color, national origin, sex, age, disability, religion or family status in the selection and retention of subcontractors, including procurements of material and leases of equipment. The Consultant shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.
- G. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations made by the Consultant, either by competitive bidding or negotiation for work to be performed under a subcontract, including procurements of materials and leases of equipment, each potential subcontractor or supplier shall be notified by the Consultant of the Consultant's obligations under this contract and the Regulations relative to nondiscrimination on the basis of race, color, national origin, sex, age, disability, religion or family status.
- H. Information and Reports: The Consultant will provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Local Agency, Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or Federal Motor Carrier Safety Administration to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of the Consultant is in the exclusive possession of another who fails or refuses to furnish this information, the Consultant shall so certify to the Local Agency, Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or the Federal Motor Carrier Safety Administration as appropriate, and shall set forth what efforts it has made to obtain the information.
- I. Sanctions for Noncompliance: In the event of the Consultant's noncompliance with the nondiscrimination provisions of this contract, the Local Agency shall impose such contract sanctions as it or the Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or Federal Motor Carrier Safety Administration may determine to be appropriate, including, but not limited to,
 - 1. withholding of payments to the Consultant under the contract until the Consultant complies and/or
 - 2. cancellation, termination or suspension of the contract, in whole or in part.
- J. Incorporation or Provisions: The Consultant will include the provisions of Paragraph C through K in every subcontract, including procurements of materials and leases of equipment unless exempt by the Regulations, order, or instructions

ATTACHMENT D - RSQ #24-934

LOCAL AGENCY PROGRAM FEDERAL-AID TERMS
For PROFESSIONAL SERVICES CONTRACTS

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issued pursuant thereto. The Consultant shall take such action with respect to any subcontract or procurement as the Local Agency, Florida Department of Transportation, Federal Highway Administration, Federal Transit Administration, Federal Aviation Administration, and/or the Federal Motor Carrier Safety Administration may direct as a means of enforcing such provisions, including sanctions for noncompliance. In the event a Consultant becomes involved in, or is threatened with, litigation with a subconsultant or supplier as a result of such direction, the Consultant may request the Local Agency to enter into such litigation to protect the interests of the Local Agency, and, in addition, the Consultant may request the United States to enter into such litigation to protect the interests of the United States.

- K. Compliance with Nondiscrimination Statutes and Authorities: Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21; The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects); Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex); Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27; The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age); Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex); The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not); Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 -- 12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38; The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex); Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations; Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100); Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).
- L. Interest of Members of Congress: No member of or delegate to the Congress of the United States will be admitted to any share or part of this contract or to any benefit arising therefrom.
- M. Interest of Public Officials: No member, officer, or employee of the public body or of a local public body during his tenure or for one year thereafter shall have any interest, direct or indirect, in this contract or the proceeds thereof. For purposes of this provision, public body shall include municipalities and other political subdivisions of States; and public corporations, boards, and commissions established under the laws of any State.
- N. Participation by Disadvantaged Business Enterprises: The Consultant shall agree to abide by the following statement from 49 CFR 26.13(b). This statement shall be included in all subsequent agreements between the Consultant and any subconsultant or contractor.

"The subconsultant, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Consultant to carry out these requirements is a material breach of this contract, which may result in termination of this contract or other such remedy as the recipient deems appropriate."

Pursuant to 49 CFR 26.11(c), the Consultant shall submit the bid opportunity list at the time of contract execution, and shall enter DBE commitment and payment information in the Florida Department of Transportation Equal Opportunity Compliance (EOC) system. The Consultant shall request access to the EOC system using Form No. 275-021-30.

- O. Prompt Payment of and Return of Retainage to Subconsultants: The Consultant will pay monies owed to subconsultants, suppliers or other parties within thirty (30) days of the Consultant receiving payment from the Local Agency. The Local Agency is prohibited from withholding retainage from consultants. To the extent the selected consultant withholds retainage from its subconsultants, it must be returned in its entirety within thirty (30) days of satisfactory completion of the subconsultant work. The Local Agency is the arbiter of what constitutes satisfactory completion. These provisions apply to all subconsultants and at all tiers of subcontracting.
- P. It is mutually understood and agreed that the willful falsification, distortion or misrepresentation with respect to any facts related to the project(s) described in this Agreement is a violation of the Federal Law. Accordingly, United States Code, Title 18, Section 1020, is hereby incorporated by reference and made a part of this Agreement.

ATTACHMENT D - RSQ #24-934

LOCAL AGENCY PROGRAM FEDERAL-AID TERMS
For PROFESSIONAL SERVICES CONTRACTS

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Q. It is understood and agreed that if the Consultant at any time learns that the certification it provided the Local Agency in compliance with 49 CFR, Section 26.51, was erroneous when submitted or has become erroneous by reason of changed circumstances, the Consultant shall provide immediate written notice to the Local Agency. It is further agreed that the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction" as set forth in 49 CFR, Section 29.510, shall be included by the Consultant in all lower tier covered transactions and in all aforementioned federal regulation.

R. The Local Agency hereby certifies that neither the Consultant nor the Consultant's representative has been required by the Local Agency, directly or indirectly as an express or implied condition in connection with obtaining or carrying out this contract, to

1. employ or retain, or agree to employ or retain, any firm or person, or
2. pay, or agree to pay, to any firm, person, or organization, any fee, contribution, donation, or consideration of any kind;

The Local Agency further acknowledges that this agreement will be furnished to a federal agency, in connection with this contract involving participation of Federal-Aid funds, and is subject to applicable State and Federal Laws, both criminal and civil.

S. The Consultant hereby certifies that it has not:

1. employed or retained for a commission, percentage, brokerage, contingent fee, or other consideration, any firm or person (other than a bona fide employee working solely for the above contractor) to solicit or secure this contract;
2. agreed, as an express or implied condition for obtaining this contract, to employ or retain the services of any firm or person in connection with carrying out this contract; or
3. paid, or agreed to pay, to any firm, organization or person (other than a bona fide employee working solely for the above contractor) any fee contribution, donation, or consideration of any kind for, or in connection with, procuring or carrying out the contract.

The Consultant further acknowledges that this agreement will be furnished to the Local Agency, the State of Florida Department of Transportation and a federal agency in connection with this contract involving participation of Federal-Aid funds, and is subject to applicable State and Federal Laws, both criminal and civil.

T. The Consultant shall utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the Contractor during the term of the Contract and shall expressly require any subcontractors performing work or providing services pursuant to the Contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the Contract term.

U. Clean Air Act: The Consultant agrees to comply with applicable standards, orders or regulations issued pursuant to Clean Air Act (42 U.S.C § 7401 et seq), as amended..

The Consultant agrees to report each violation to the Florida Department of Transportation (Department) and understands and agrees that the Department will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.

The Consultant agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance.

V. Federal Water Pollution Control Act: The Consultant agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.), as amended.

The Consultant agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance.

W. Byrd Anti-Lobbying: Consultants awarded a contract of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or

ATTACHMENT D - RSQ #24-934

LOCAL AGENCY PROGRAM FEDERAL-AID TERMS
For PROFESSIONAL SERVICES CONTRACTS

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organization for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an employee of a Member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the awarding agency.

CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES ON FEDERAL AID CONTRACTS: (Compliance with 49 CFR, Section 20.100(b))(1) The Consultant certifies that: (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Consultant, to any person for influencing or attempting to influence either directly or indirectly an officer or employee of any state or Federal agency, a member of the Florida Legislature, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement. (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Agreement, the Consultant shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities". (2) This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. (3) The Consultant also certifies by signing this contract that the Consultant shall require the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

Statement for Loan Guarantees and Loan Insurance

Per 49 CFR Part 20, Appendix A, the undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

- X. Buy America: As appropriate and to the extent consistent with law, the non-Federal entity should, to the greatest extent practicable under a Federal award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all subawards including all contracts and purchase orders for work or products under this award per 2 CFR part 200.322.

"Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

"Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

Furthermore Federal agencies providing Federal financial assistance for infrastructure projects must implement the Buy America preferences set forth in 2 CFR part 184.