

Contract Tracking No. CM3881

**CONTRACT FOR PROFESSIONAL DESIGN SERVICES FOR CR-121 FROM CR-119
TO US-1**

THIS CONTRACT is entered into by and between the **BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY**, a political subdivision of the State of Florida, hereinafter referred to as the “County”, and **KIMLEY-HORN AND ASSOCIATES, INC.**, located at **189 South Orange Avenue, Suite 1000, Orlando, Florida 32801**, hereinafter referred to as the “Consultant” on the day and year last written below (hereinafter “Effective Date”).

WHEREAS, the County desires to obtain professional services for Professional Design Services for CR-121 from CR-119 to US-1. Said services are more fully described in the *County’s Request for Qualifications*, attached hereto and incorporated herein as Exhibit “A”; and

WHEREAS, the Consultant desires to render certain professional services as described in Exhibit “A”, and has the qualifications, experience, staff and resources to perform those professional services; and

WHEREAS, the County, through a competitive selection process conducted in accordance with the requirements of law and County policy, and based upon the Consultant’s assurance that it has the qualifications, experience, staff and resources, the County has determined that it would be in the best interest of Nassau County to award a contract to the Consultant for the rendering of those services described in Exhibit “A”.

NOW THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto agree as follows:

SECTION 1. Recitals.

1.1 The above recitals are true and correct and are incorporated herein, in their entirety, by this reference.

SECTION 2. Exhibits.

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2.1 The Exhibits listed below are incorporated into and made part of this Contract:

Exhibit “A” COUNTY’S REQUEST FOR QUALIFICATIONS NC24-023-RFQ,
 (“RFQ”), AS MODIFIED BY ADDENDA; AND

Exhibit “B” VENDOR’S RESPONSE

Exhibit “C” NEGOTIATED RATES

SECTION 3. Employment of the Consultant.

3.1 The County hereby agrees to engage the Consultant, and the Consultant hereby agrees to perform the professional services set forth in Exhibit “A”.

SECTION 4. Scope of Services.

4.1 The Consultant shall provide professional services in accordance with Exhibit “A” and Exhibit “B”.

4.2 Services requested by the County or the County’s representative that are not set forth in Exhibit “A” and Exhibit “B” shall be considered additional services. Any request for additional services and additional fees shall be mutually agreed upon by the parties in writing.

SECTION 5. The County’s Responsibility.

5.1 The County shall provide the Consultant with all required data, information, and services regarding the requirements and objectives for the services under this Contract. The Consultant shall rely upon the accuracy and completeness of any information, reports, data supplied by the County or the County’s representative.

5.2 The County hereby designates the Capital Projects Management Director, or designee, to act on the County’s behalf under this Contract. The Capital Projects Management Director, or designee, under the supervision of the County Manager, shall have complete authority to transmit instructions, receive information, interpret and define the County’s policies

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and decisions with respect to materials, elements and systems pertinent to the provision of the Consultant's services.

SECTION 6. Term of Contract and Option to Extend or Renew.

6.1 The term of this Contract shall begin upon the execution of this Contract by all parties and shall terminate on September 30, 2028. The term of this Contract may be extended in one (1) year increments, with no changes in terms or conditions, upon mutual written agreement between the Consultant and the County. The County Manager is hereby authorized to execute any Contract renewal, amendment and/or modification upon approval by the County Attorney's Office. Any extension or amendment to this Contract shall be subject to availability of funds of the County as set forth in Section 11 hereinbelow.

6.2. In the event that this Contract is continued beyond the term provided above by mutual consent of the parties and not reduced to writing, this Contract shall be carried out on a month-to-month basis and shall not constitute an implied renewal of the Contract. Said month-to-month extension shall be upon the same terms of the Contract and at the compensation and payment provided herein.

SECTION 7. Compensation.

7.1 The Consultant shall be compensated in an amount not to exceed Three Million, Four-Hundred Thirty-Three Thousand, One-Hundred Eighty-Six Dollars and 85/100 (\$3,433,186.85), in accordance with Exhibit "C".

7.2 The Consultant shall prepare and submit to the Capital Projects Management Director, for approval, an invoice for the services rendered, with a copy provided to invoices@nassaucountyfl.com. Invoices for services shall be paid in accordance with the Florida Prompt Payment Act found at Section 218.70, Florida Statutes. All invoices shall be

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accompanied by a report or statement identifying the nature of the work performed, the hours required and compensation for the work performed. The report or statement shall show a summary of fees. The County reserves the right to withhold payment to the Consultant for failure to perform the work in accordance with the provisions of this Contract, and the County shall promptly notify the Consultant in writing if any invoice or report is found to be unacceptable and will specify the reasons therefor. The Consultant shall have thirty (30) days to cure any failure upon written notice. Consultant shall honor all purchase orders or work authorizations issued prior to the expiration of the term of this Contract.

7.3 All representation, indemnifications, warranties and guaranties made in, required by or given in accordance with this Contract, as well as all continuing obligations indicated in this Contract, will survive final payment and termination or completion of this Contract.

7.4 Final Invoice: Consultant shall submit to County Consultant's final/last billing to County clearly marked as "Final Invoice." Submittal of the Final Invoice by Consultant to County shall indicate that all services have been performed by Consultant and that all charges and costs have been invoiced by the Consultant to County and that there is no further work to be performed and no further invoices to be submitted under this Contract.

SECTION 8. Standard of Care.

8.1 The Consultant shall exercise the same degree of care, skill, and diligence in the performance of the services as is ordinarily provided by a professional under similar circumstances, at the same time, and in the same locality. In the County's sole discretion, upon request by the County, the Consultant shall, at no additional cost to the County, re-perform services which in the sole discretion of the County do not meet the foregoing standard of care.

SECTION 9. Equal Opportunity Employment.

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9.1 In connection with the work to be performed under this Contract, the Consultant agrees to comply with the applicable provisions of State and Federal Equal Employment Opportunity statutes and regulations.

SECTION 10. Access to Premises.

10.1 The County shall be responsible for providing access to all project sites (if required), and for providing project site specific information.

SECTION 11. Funding.

11.1 The County's performance and obligation under this Contract is contingent upon an annual appropriation by the Board of County Commissioners for subsequent fiscal years and is subject to termination based on lack of funding.

SECTION 12. Expenses.

12.1 The Consultant shall be responsible for all expenses incurred while performing the services under this Contract including, but not limited to, license fees, memberships and dues; automobile and other travel expenses; meals and entertainment; insurance premiums; and all salary, expenses and other compensation paid to the Consultant's agents, if any, hired by the Consultant to complete the work under this Contract.

SECTION 13. Taxes, Liens, Licenses and Permits.

13.1 The Consultant recognizes that the County, by virtue of its sovereignty, is not required to pay any taxes on the services or goods purchased under the terms of this Contract. As such, the Consultant shall refrain from including taxes in any billing. The Consultant is placed on notice that this exemption generally does not apply to nongovernmental entities, contractors, or subcontractors. Any questions regarding this tax exemption shall be addressed to the County Manager.

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13.2 The Consultant shall secure and maintain all licenses and permits required to perform the services under this Contract and to pay any and all applicable sales or use tax, or any other tax or assessment which shall be imposed or assessed by any and all governmental authorities, required under this Contract, and to meet all federal, state, county and municipal laws, ordinances, policies and rules.

13.3 The Consultant acknowledges that property being improved that is titled to the County, shall not be subject to a lien of any kind for any reason. The Consultant shall include notice of such exemptions in any subcontracts and purchase orders issued under this Contract.

SECTION 14. Governing Law, Venue and Compliance with Laws.

14.1 This Contract shall be deemed to have been executed and entered into within the State of Florida and any dispute arising hereunder, shall be governed, interpreted and construed according to the laws of the State of Florida, the Ordinances of Nassau County, and any applicable federal statutes, rules and regulations. Any and all litigation arising under this Contract shall be brought in Nassau County, Florida, and any trial shall be non-jury. Any mediation, pursuant to litigation, shall occur in Nassau County, Florida.

14.2 The Consultant shall comply with applicable regulatory requirements including federal, state, and local laws, rules, regulations, codes, orders, criteria and standards.

SECTION 15. Modifications.

15.1 The terms of this Contract may be modified only upon the written and mutual consent of both parties, and approval by appropriate legal authority in the County.

SECTION 16. Assignment and Subcontracting.

16.1 The Consultant shall not assign, sublet, convey or transfer its interest in this Contract without the prior written consent of the County.

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16.2 In order to assign this Contract, or to subcontract any of the work requirements to be performed, the Consultant shall ensure and provide assurances to the County, that any subcontractor selected for work under this Contract has the necessary qualifications and abilities to perform in accordance with the terms and conditions of this Contract. The Consultant shall provide the County with the names of any subcontractor considered for work under this Contract; the County reserves the right to reject any subcontractor whose qualifications or performance, in the County's sole discretion, are insufficient. The Consultant shall be responsible for all work performed and all expenses incurred with the project. Any subcontract arrangements shall be evidenced by a written document available to the County upon request. The Consultant further agrees that the County shall not be liable to any subcontractor for any expenses or liabilities incurred under the subcontract. The Consultant, at its expense, shall defend the County against such claims.

16.3 The Consultant shall make payments to any of its subcontractors within seven (7) working days after receipt of full or partial payments from the County in accordance with Section 287.0585, Florida Statutes, unless otherwise stated in the contracts between the Consultant and subcontractors. The Consultant's failure to pay its subcontractor(s) within seven (7) working days shall result in a penalty charged against the Consultant and paid to the subcontractors in the amount of one-half of one percent (0.50%) of the amount due per day from the expiration of the period allowed herein for payment. Such penalty shall be in addition to the actual payments owed and shall not exceed fifteen percent (15%) of the outstanding balance due.

SECTION 17. Severability.

17.1 If any section, subsection, sentence, clause, phrase, or portion of this Contract is, for any reason, held invalid, unconstitutional, or unenforceable by any Court of Competent

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Jurisdiction, such portion shall be deemed as a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

SECTION 18. Termination for Default.

18.1 If the Consultant fails to perform any of its obligations under this Contract, and if such default remains uncured for a period of more than fifteen (15) days after notice thereof was given in writing by the County to the Consultant, then the County may, without prejudice to any right or remedy the County may have, terminate this Contract.

18.2 Upon termination of this Contract, the Consultant shall immediately (1) stop work on the date specified; (2) terminate and settle all orders and subcontracts relating to the performance of the terminated work; (3) transfer all work in process, completed work, and other materials related to the terminated work to the County; (4) render to the County all property belonging to the County, including but not limited to, equipment, books, and records.

SECTION 19. Termination for Convenience.

19.1 The County reserves the right to terminate this Contract in whole or part by giving the Consultant written notice at least thirty (30) days prior to the effective date of the termination. Upon receipt of written notice of termination from the County, the Consultant shall only provide those services and/or materials specifically approved or directed by the County. All other rights and duties of the parties under the Contract shall continue during such notice period, and the County shall continue to be responsible to the Consultant for the payment of any obligations to the extent such responsibility has not been excused by breach or default of the Consultant. The Consultant shall promptly contact the County to make arrangements to render to the County all property belonging to the County, including but not limited to, equipment, books, and records.

SECTION 20. Nondisclosure of Proprietary Information.

20.1 The Consultant shall consider all information provided by the County and all reports, studies, calculations, and other documentation resulting from the Consultant's performance of the services to be proprietary unless such information is available from public sources. The Consultant shall not publish or disclose proprietary information for any purpose other than the performance of the services without the prior written authorization of the County or in response to legal process.

SECTION 21. Contingent Fees.

21.1 The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Contract 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 the Consultant, any fee, commission, percentage, gift or any other consideration contingent upon or resulting from the award or making of this Contract.

SECTION 22. Ownership of Documents.

22.1 The Consultant shall be required to work in harmony with other County consultants relative to providing information requested in a timely manner and in the specified form. All documents, records, disks, original drawings, or other information shall become the property of the County upon completion for its use and distribution as may be deemed appropriate by the County.

SECTION 23. Force Majeure.

23.1 Neither party of this Contract shall be liable to the other for any cost or damages if the failure to perform the Contract arises out of causes beyond the control and without the fault

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or negligence of the parties. Such causes may include, but are not restricted to, acts of nature, fires, quarantine restrictions, strikes and freight embargoes. In all cases, the failure to perform shall be totally beyond the control and without any fault or negligence of the party.

23.2 In the event of delay from the foregoing causes, the party shall take all reasonable measures to mitigate any and all resulting delay or disruption in the party's performance obligation under this Contract. If the delay is excusable under this section, the delay shall not result in any additional charge or cost under the Contract to either party. In the case of any delay that the Consultant believes is excusable under this section, the Consultant shall notify the County in writing of the delay or potential delay and describe the cause of the delay either: (1) within ten (10) calendar days after the cause that created or will create the delay first arose, if the Consultant could reasonably foresee that a delay could occur as a result; or (2) within five (5) calendar days after the date the Consultant first had reason to believe that a delay could result, if the delay is not reasonably foreseeable. THE FOREGOING SHALL CONSTITUTE THE CONSULTANT'S SOLE REMEDY OR EXCUSE WITH RESPECT TO DELAY. Providing notice in strict accordance with this section is a condition precedent to such remedy. The County, in its sole discretion, shall determine if the delay is excusable under this section and shall notify the Consultant of its decision in writing. No claim for damages, other than for an extension of time, shall be asserted against the County. The Consultant shall not be entitled to an increase in the Contract price or payment of any kind from the County for direct, indirect, consequential, impact, or other costs, expenses or damages, including but not limited to costs of acceleration or inefficiency arising because of delay, disruption, interference, or hindrance from any cause whatsoever. If performance is suspended or delayed, in whole or in part, due to any of the causes described in this section, after the causes have ceased to exist, the Consultant shall

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perform at no increased cost, unless the County determines, in its sole discretion, that the delay will significantly impair the value of the Contract to the County, in which case, the County may do any or all of the following: (1) accept allocated performance or deliveries from the Consultant, provided that the Consultant grants preferential treatment to the County with respect to products or services subjected to allocation; (2) purchase from other sources (without recourse to and by the Consultant for the related costs and expenses) to replace all or part of the products or services that are the subject of the delay, which purchases may be deducted from the Contract quantity; or (3) terminate the Contract in whole or in part.

SECTION 24. Access And Audits of Records.

24.1 The Consultant shall maintain adequate records to justify all charges, expenses, and costs incurred in providing the services and materials for at least three (3) years after completion of work contemplated under this Contract. The County and the County Clerk of Court shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours upon five (5) days' written notice to the Consultant.

SECTION 25. Independent Consultant Status.

25.1 The Consultant shall perform the services under this Contract as an independent contractor and nothing contained herein shall be construed to be inconsistent with this relationship or status. Nothing in this Contract shall be interpreted or construed to constitute the Consultant or any of its agents or employees to be an agent, employee or representative of the County.

25.2 The Consultant and the County agree that during the term of this Contract: (a) the Consultant has the right to perform services for others; (b) the Consultant has the right to

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perform the services required by this Contract; and (c) the Consultant has the right to hire assistants as subcontractors, or to use employees to provide the services required by this Contract.

SECTION 26. Indemnification.

26.1 The Consultant shall indemnify and hold harmless the County and its agents and employees from all claims, liabilities, damages, losses, expenses and costs, including reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Consultant or any persons employed or utilized by the Consultant, in the performance of this Contract.

SECTION 27. Insurance.

27.1 The Consultant shall provide and maintain at all times during the term of this Contract, without cost or expense to the County, such commercial (occurrence form) or comprehensive general liability, workers compensation, professional liability, and other insurance policies as detailed in Exhibit "A". The policy limits required are to be considered minimum amounts.

27.2 The Consultant shall provide to the County a Certificate of Insurance for all policies of insurance and renewals thereof in a form acceptable to the County. Said certificates shall provide that the Nassau County Board of County Commissioners is an additional insured, and that the County shall be notified in writing of any reduction, cancellation or substantial change of policy or policies at least thirty (30) days prior to the effective date of said action with the exception of ten (10) days for non-payment. All insurance policies shall be issued by responsible companies who are acceptable to the County and licensed and authorized under the laws of the State of Florida.

SECTION 28. Dispute Resolution Process.

28.1 In the event of a dispute regarding the interpretation of the terms of this Contract, the County, in its sole discretion, may elect to use the dispute resolution process as set forth in this section.

28.2 In the event the County elects to use the dispute resolution process under this section, the County shall send a written communication to the Consultant pursuant to Section 35 hereinbelow. The written notification shall set forth the County's interpretation of the terms of this Contract.

28.3 The County shall then set a date and time for the parties to meet with the County Manager or designee. This meeting shall be set no more than twenty (20) days from the date that the written communication was sent to the Consultant. The Consultant may submit a written response to the County's written communication no less than five (5) days prior to the meeting with the County Manager or designee.

28.4 If no satisfactory resolution as to the interpretation of the Contract terms is reached at the meeting with the County Manager or designee, then the parties may elect to submit the dispute to mediation in accordance with mediation rules as established by the Florida Supreme Court. Mediators shall be chosen by the County and the cost of mediation shall be borne by the Consultant. The Consultant shall not stop work during the pendency of the dispute resolution or mediation process as set forth in this section.

SECTION 29. E-Verify.

29.1 The Consultant shall comply with Section 448.095, Florida Statutes, and use the United States Department of Homeland Security's E-Verify system ("E-Verify") to verify the employment eligibility of all persons hired by the Consultant during the term of this Contract to

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work in Florida. Additionally, if the Consultant uses subcontractors to perform any portion of the work (under this Contract), the Consultant shall include a requirement in the subcontractor's contract that the subcontractor use E-Verify to verify the employment eligibility of all persons hired by subcontractor to perform any such portion of the work. Answers to questions regarding E-Verify as well as instructions on enrollment may be found at the E-Verify website: www.uscis.gov/e-verify.

29.2 The Consultant shall maintain records of its participation and compliance with the provisions of the E-Verify program, including participation by its subcontractors as provided above, and to make such records available to the County or other authorized entity consistent with the terms of the Consultant's enrollment in the program. This includes maintaining a copy of proof of the Consultant's and subcontractors' enrollment in the E-Verify program. If the Consultant enters into a contract with a subcontractor, the subcontractor shall provide the Consultant with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien. The Consultant shall maintain a copy of such affidavit for the duration of the Contract.

29.3 Compliance with the terms of the E-Verify program provision is made an express condition of this Contract and the County may treat a failure to comply as a material breach of the Contract. If the County terminates the Contract pursuant to Section 448.095(2)(c), Florida Statutes, the Consultant may not be awarded a public contract for at least one (1) year after the date on which the contract was terminated and the Consultant is liable for any additional costs incurred by the County as a result of the termination of this Contract.

SECTION 30. Public Records.

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30.1 The County is a public agency subject to Chapter 119, Florida Statutes. **IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (904) 530-6090, RECORDS@NASSAUCOUNTYFL.COM, 96135 NASSAU PLACE, SUITE 6, YULEE, FLORIDA 32097.** Under this Contract, to the extent that the Consultant is providing services to the County, and pursuant to Section 119.0701, Florida Statutes, the Consultant shall:

- a. Keep and maintain public records required by the County to perform the service.
- b. Upon request from the County's custodian of public records, provide the 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 in this chapter or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Contract term and following completion of the Contract if the Consultant does not transfer the records to the County.
- d. Upon completion of the Contract, transfer, at no cost, to the County all public records in possession of the Consultant or keep and maintain public records required by the County to perform the service. If the Consultant transfers all public records to the County upon completion of the Contract, the Consultant shall destroy any duplicate

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public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of the Contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically shall be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the information technology systems of the County.

30.2 A request to inspect or copy public records relating to the County's contract for materials shall be made directly to the County. If the County does not possess the requested records, the County shall immediately notify the Consultant of the request, and the Consultant shall provide the records to the public agency or allow the records to be inspected or copied within a reasonable time.

30.3 If the Consultant does not comply with the County's request for records, the County shall enforce the Contract provisions in accordance with the Contract.

30.4 If the Consultant fails to provide the public records to the County within a reasonable time, the Consultant may be subject to penalties under Section 119.10, Florida Statutes.

30.5 If a civil action is filed against the Consultant to compel production of public records relating to the Contract, the Court shall assess and award against the Consultant the reasonable costs of enforcement, including reasonable attorney fees if:

- a. The Court determines that the Consultant unlawfully refused to comply with the public records request within a reasonable time; and

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b. At least eight (8) business days before filing the action, the plaintiff provided written notice of the public records request, including a statement that the Consultant has not complied with the request, to the County and to the Consultant.

30.6 A notice complies with Section 30.5 b. hereinabove, if it is sent to the County's custodian of public records and to the Consultant at the Consultant's address listed on its Contract with the County or to the Consultant's registered agent. Such notices shall be sent pursuant to Section 35 hereinbelow.

30.7 If the Consultant complies with a public records request within eight (8) business days after the notice is sent, the Consultant is not liable for the reasonable costs of enforcement.

30.8 In reference to any public records requested under this Contract, the Consultant shall identify and mark specifically any information which the Consultant considers confidential and/or proprietary, inclusive of trade secrets as defined in Section 812.081, Florida Statutes, and which the Consultant believes to be exempt from disclosure, citing specifically the applicable exempting law and including a brief written explanation as to why the cited Statute is applicable to the information claimed as confidential and/or proprietary information. All materials shall be segregated and clearly identified as "EXEMPT FROM PUBLIC DISCLOSURE."

30.9 In conjunction with the confidential and/or proprietary information designation, the Consultant acknowledges and agrees that after notice from County, the Consultant shall respond to a notice from the County immediately, but no later than 10 calendar days from the date of notification or the Consultant shall be deemed to have waived and consented to the release of the confidential and/or proprietary designated materials.

30.10 The Consultant further agrees that by designation of the confidential/proprietary material, the Consultant shall defend the County (and its employees, agents and elected and

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appointed officials) against all claims and actions (whether or not a lawsuit is commenced) related to the Consultant's designation of the material as exempt from public disclosure and to hold harmless the County (and its employees, agents and elected and appointed officials) from any award to a plaintiff for damages, costs and attorneys' fees, incurred by the County by reason of any claim or action related to the Consultant's designation of material as exempt from public disclosure.

SECTION 31. Disclosure Of Litigation, Investigations, Arbitration or Administrative Decisions.

31.1 During the term of this Contract, or any extension thereto, the Consultant shall have the continued duty to disclose to the County Attorney, in writing, upon occurrence, all civil or criminal litigation, arbitration, mediation, or administrative proceeding involving the Consultant. If the existence of the proceeding causes the County concerns that the Consultant's ability or willingness to perform this contract is jeopardized, the Consultant may be required to provide the County with reasonable written assurance to demonstrate the Consultant can perform the terms and conditions of the Contract.

SECTION 32. Scrutinized Companies and Public Entity Crimes.

32.1 The Consultant is directed to the Florida Public Entities Crime Act, Section 287.133, Florida Statutes, as well as Section 287.135, Florida Statutes, regarding Scrutinized Companies, and represents to County that the Consultant is qualified to transact business with public entities in Florida, and to enter into and fully perform this Contract subject to the provisions stated therein. Failure to comply with any of the above provisions will be considered a material breach of the Contract.

SECTION 33. Anti-Discrimination.

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33.1 The Consultant agrees that it will not discriminate in employment, employee development, or employee advancement because of religious or political opinions or affiliations, race, color, national origin, sex, age, physical handicap, or other factors, except where such factor is a bonified occupational qualification or is required by State and/or Federal Law.

SECTION 34. Advertising.

34.1 The Consultant shall not publicly disseminate, advertise or publish any information concerning this Contract without prior written approval from the County, including but not limited to, mentioning the Contract in a press release or other promotional material, identifying the County as a reference, or otherwise linking the Consultant's name and either description of this Contract or the name of the County in any material published, either in print or electronically.

SECTION 35. Notices.

35.1 All notices, demands, requests for approvals or other communications given by the parties to another in connection with this Contract shall be in writing, and shall be sent by registered or certified mail, postage prepaid, return receipt requested, or overnight delivery service (such as federal express), or courier service or by hand delivery to the office of each party indicated below:

County: Nassau County
Attn: Raymond Albury, Capital Projects Management Director
96161 Nassau Place
Yulee, Florida 32097

Consultant: Kimley-Horn and Associates, Inc.

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Attn: Project Manager
189 South Orange Avenue Suite 1000
Orlando, Florida 32801

SECTION 36. Attorney's Fees.

36.1 Notwithstanding the provisions of Section 30 hereinabove, in the event of any legal action to enforce the terms of this Contract each party shall bear its own attorney's fees and costs.

SECTION 37. Authority to Bind.

37.1 The Consultant represents and warrants that the Consultant's undersigned representative if executing this Contract of behalf of a partnership, corporation or agency has the authority to bind the Company to the terms of this Contract.

SECTION 38. Conflicting Terms, Representations and No Waiver of Covenants or Conditions.

38.1 In the event of any conflict between the terms of this Contract and the terms of any exhibits, the terms of this Contract shall prevail.

38.2 All representations, indemnifications, warranties and guaranties made by the Consultant in this Contract, as well as all continuing obligations indicated in this Contract, shall survive final payment and termination or completion of this Contract.

38.3 The failure of either party to insist on strict performance of any covenant or condition herein, or to exercise any option herein contained, shall not be construed as a waiver of such covenant, condition, or option in any other instance.

38.4 The Consultant warrants that any goods provided by the Consultant under this Contract shall be merchantable. All goods provided shall be of good quality within the description given by the County, shall be fit for their ordinary purpose, shall be adequately

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contained and packaged with the description given by the County, shall conform to the agreed upon specifications, and shall conform to the affirmations of facts made by the Consultant or on the container or label.

SECTION 39. Construction of Contract.

39.1 The parties hereby acknowledge that they have fully reviewed this Contract and any exhibits and have had the opportunity to consult with legal counsel of their choice, and that this Contract shall not be construed against any party as if they were the drafter of this Contract.

SECTION 40. Headings.

40.1 The section headings and captions of this Contract are for convenience and reference of the parties and in no way define, limit or describe the scope or intent of this Contract or any part thereof.

SECTION 41. Entire Agreement and Execution.

41.1 This Contract, together with any exhibits, constitutes the entire Contract between the County and the Consultant and supersedes all prior written or oral understandings.

41.2 This Contract may be executed in any number of counterparts; each executed counterpart hereof shall be deemed an original; and all such counterparts, when taken together, shall be deemed to constitute one and the same instrument.

SECTION 42. Change of Laws.

42.1 If there is a change in any state or federal law, regulation or rule or interpretation thereof, which affects this Contract or the activities of either party under this Contract, and either party reasonably believes in good faith that the change will have a substantial adverse effect on that party's rights or obligations under this Contract, then that party may, upon written notice, require the other party to enter into good faith negotiations to renegotiate the terms of this

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Contract. If the parties are unable to reach an agreement concerning the modification of this Contract within fifteen (15) days after the date of the notice seeking renegotiation, then either party may terminate this Contract by written notice to the other party. In such event, Consultant shall be paid its compensation for services performed prior to the termination date.

SECTION 43. Human Trafficking Affidavit.


43.1 In accordance with Section 787.06, Florida Statutes, the Consultant shall provide the County an affidavit, on a form approved by the County, signed by an officer or a representative of the Consultant under penalty of perjury attesting that the Consultant does not use coercion for labor or services as defined in Section 787.06, Florida Statutes.

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IN WITNESS WHEREOF, the parties have executed this Contract which shall be deemed an original on the day and year last written below

**BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA**

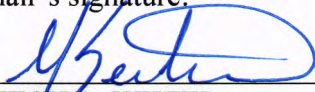


By: A.M. "Hupp" Huppmann

Its: Chairman

Date: 4-14-25


Attest as to authenticity of the
Chair's signature:



MITCH L. KEITER

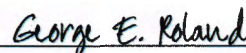
Its: Ex-Officio Clerk

Approved as to form and legality by the
Nassau County Attorney



DENISE C. MAY

KIMLEY-HORN AND ASSOCIATES, INC.



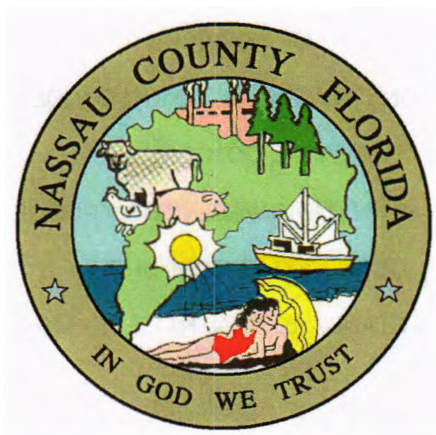
By: George E. Roland

Its: Associate

Date: 2/28/2025

EXHIBIT "A"

NASSAU COUNTY FLORIDA



REQUEST FOR QUALIFICATIONS (RFQ)

PROFESSIONAL DESIGN SERVICES FOR CR-121 FROM CR-119 TO US-1

RFQ NO. NC24-023

PROPOSALS ARE DUE NOT LATER THAN

AUGUST 28, 2024 @ 10:00 A.M. EST

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SECTION 1: GENERAL INFORMATION

1.1 PURPOSE:

Nassau County is seeking the services of a qualified firm to provide the necessary design services for the County Road 121 Reconstruction and Resurfacing Project in Nassau County, Florida. The project will reconstruct and resurface, as necessary, County Road 121 from the CR-119 (Otis Road) to US-1, and includes the following:

- Testing and analysis to determine most suitable repair method.
- Subgrade and Base repairs where needed.
- Reconstruction and Resurfacing of the roadway.
- Replacement of cross drains as needed.
- Reconstruction of shoulders to promote positive drainage.
- Analysis and design of needed intersection improvements
- Incorporate into design improvements needed to accommodate heavy vehicle traffic.

1.2 PROCUREMENT METHOD:

This procurement is being conducted in accordance with the Competitive Consultant Negotiation Act (CCNA) as identified in in Section 287.055, Florida Statutes.

1.3 COMPETITIVE PROCESS:

Any vendor that meets the requirements specified in this Request for Qualifications may participate in the competitive process.

1.4 PROPOSAL DOCUMENTS:

This document and subsequent addendums, if any, can be downloaded electronically via the County's electronic bidding platform ([PlanetBids](https://planetbids.com)), which is accessible via the County's website or using the following link: <https://pbsystem.planetbids.com/portal/49083/bo/bo-search>.

1.5 PUBLIC ENTITY CRIMES:

A person or affiliate who has been placed on the convicted Vendors list following a conviction for public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or Proposer under a contract with any public entity, and may not transact business 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. By signature on this solicitation and confirmation on the attached form, proposer certifies that they are qualified to do business with Nassau County in accordance with Florida Statutes.

1.6 CONFLICT OF INTEREST:

The Firm, by submission of their proposal, warrants that he or she has not employed or retained any company or person, other than a bona fide employee working solely for the Firm to solicit or secure this agreement and that he or she has not paid or agreed to pay any person, company, corporation, individual, or Firm other than a bona fide employee working solely for the Firm any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this agreement. For the breach or violation of this provision, the County shall have the right to terminate the agreement without liability and, at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration.

1.7 PROHIBITION AGAINST CONSIDERING SOCIAL, POLITICAL, OR IDEOLOGICAL INTERESTS IN GOVERNMENT CONTRACTING:

Vendor is hereby notified that pursuant to Section 287.05701, Florida Statutes, the County may not request documentation of or consider a vendor's social, political, or ideological interests when determining if the vendor is a responsible vendor and may not give preference to a vendor based on the vendor's social, political, or ideological interests.

SECTION 2: SCOPE OF SERVICES

2.1 OVERVIEW

The County seeks a qualified professional firm to provide design services of County Road 121 from County Road 119 to US-1 in Nassau County, Florida. The selected firm will perform services as listed under the Scope of Services, attached hereto as Appendix "A," or services not specifically mentioned, but directly related to the project.

SECTION 3: INSTRUCTIONS TO RESPONDENTS

3.1 SCHEDULE OF SELECTION PROCESS/KEY DATES:

Listed below are the dates and time by which stated actions will be taken or completed. The County may determine, in its sole discretion, that it is necessary to change any of these dates and times. All listed times are eastern standard times.

Event	Date	Time
RFQ Available on Planet Bids	July 26, 2024	
Deadline for Questions	August 9, 2024	by 4:00 p.m.
County Responses to Questions Posted to Planet Bids	August 21, 2024	
RFQ Responses Due Date/Time and RFQ Opening Date/Time	August 28, 2024	by 10:00 a.m.
Evaluation Committee (Evaluate/Rank Firms)	Week of September 9, 2024	TBD
Interviews of Shortlisted Firms (As Needed)	Week of September 16, 2024	TBD
Award/Approval	TBD	

3.2 SUBMISSION OF QUALIFICATIONS (RFQ):

The following person has been designated the Point of Contact for this RFQ:

Thomas O'Brien, Procurement Specialist
Procurement Department
Nassau County
96135 Nassau Place, Suite 2
Yulee, FL 32097
Ph: 904-530-6040

Respondents to this RFQ, or persons acting on their behalf shall not contact any employee or officer of the County concerning any aspect of this RFQ, except in writing to the authorized County Point of Contact identified in this section, between the time RFQ is released and the end of the seventy-two (72) hour period (excluding Saturdays, Sundays, and County holidays) following the County's posting of notice of recommendation of award. Violation of this provision may be grounds for rejecting a response.

3.3 Respondents are directed to not contact evaluating committee members, County Commissioners, County departments or divisions until an award has been made by the Board of County Commissioners. ALL QUESTIONS FROM RESPONDENTS MUST BE ADDRESSED IN WRITING AND SUBMITTED TO THE NASSAU COUNTY'S EPROCUREMENT SYSTEM, [PLANETBIDS VENDOR PORTAL](#)

3.4 ADDITIONAL INFORMATION/ADDENDA: Any ambiguity, conflict, discrepancy, omissions, or other error discovered in this solicitation must be reported immediately and a request made for modifications or clarification. Requests for additional information or clarifications must be made in writing and submitted to NASSAU COUNTY'S EPROCUREMENT SYSTEM, [PLANETBIDS VENDOR PORTAL](#) by the question deadline identified in Section 3.1.

The County will issue responses to inquiries and any other corrections or amendments it deems necessary in written addenda issued prior to the RFQ opening date. Respondents should not rely on any representations, statements, or explanations other than those made in this solicitation or in any addendum to this solicitation. Where there appears to be a conflict between the RFQ and any addenda issued, the last addendum issued will prevail.

It is the Respondent's responsibility to be sure all addenda were received.

No PROPOSALS may be withdrawn for one-hundred twenty (120) days after closing time scheduled for receipt of PROPOSALS.

3.5 PROPOSALS AND PRESENTATION COST: The County will not be liable in any way for any cost incurred by the Respondent in the preparation of their proposal in response to this RFQ nor for the presentation of their proposals or participation in any discussions or negotiations.

3.6 INSURANCE REQUIREMENTS: Respondents to this RFP shall submit proof of insurance coverage that meets or exceeds the insurance requirement listed in Appendix "C"

SECTION 4: SUBMITTAL CONTENTS

- 4.1 **RESPONSE FORMAT:** To facilitate and expedite review, the County asks that all vendors follow the response format outlined below. Failure to submit your response in the format requested may result in the reduction of your overall evaluation score. To assist you in preparing your response, the County's selection procedures are also described herein. Please abide by all requirements set forth to avoid any risk of disqualification.

The maximum length of the response is 50 pages, not including front cover, table of contents, dividers, the contents of "Tab 9" or back cover.

TAB 1 – Cover Letter

Provide a cover letter no longer than two (2) pages in length, signed by an authorized representative of the Vendor that can legally bind the company and provide, his/her title, address, phone number, and email address. Provide a positive commitment to perform the required scope of services. Vendor should also provide the primary contact person for this solicitation including his/her title, phone number, and email address. A table of contents should follow the cover letter.

TAB 2 – Table of Contents

Include a clear identification of the material included in the proposal by page number.

TAB 3 – Firm Experience and Qualifications

Respondents should include:

- Provide a brief description of your firm's organization, structure and philosophy.
- Provide firm's background and years of experience.
- Number of employees.
- The location of office(s) and identify the office(s) that would provide the project services.
- Describe any significant or unique awards received or accomplishments in previous, similar projects.
- Specify if the firm is a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act.

TAB 4 – Staff Qualifications and Project Team –

Respondents should:

- Start the section by introducing the designated project manager and the project team. Include a project team organizational chart.
- Then, for each key person that would be assigned to the project, include:
 - A one or two-page résumé that includes a summary of relevant professional qualifications, relevant project experience, education, and professional registration.
 - Include a copy of current Department of Business and Professional Regulation License for each key person with a professional registration.
 - Describe the services the individuals will provide to Nassau County.
 - Contact information.

TAB 5 –Delivery and Approach

Respondent should provide the following information regarding firm's project approach:

- Define what services your company is proposing to Nassau County that will best meet the criteria specified in the Scope of Services. State your project management plan, firm's interpretation of scope and method of approach.
- Describe the responsibilities of the management and staff personnel that will perform work on the Project; describe methods employed to ensure prompt service, customer satisfaction, prompt compliant resolution, effective employee performance and training, and timely initiation and completion of all work.
- List and provide background information for any subconsultant to be used.
- Provide information regarding any proposed innovative concepts that may enhance value and quality, any favorable cost containment approaches or additional or alternative ideas that may be successful if implemented by Nassau County.

TAB 6 – References

Provide a list of references for which similar services has been performed shall be included and the list shall include all similar contracts performed by the Respondent within the past five years. References should include the following information:

- Client name, address **AND** phone, numbers, and e-mail addresses;
- Description of all services provided;
- Performance period; and
- Total contract value.

The evaluators will randomly select at least three of these references, but the evaluators reserve the right to contact all the references listed if information from the three references contacted warrant further inquiry. The evaluators may check all public sources to determine whether Respondent has listed all contracts for similar work within the designated period. If the evaluators determine that references for other public contracts for similar contracts were not listed, the evaluators may contact the public entities to make inquiry into Respondent's performance of those contracts and the information obtained may be considered in evaluating Respondent's proposal.

TAB 7 – Current Workload

In this section, list your Firm's current projects/workload and schedules for completion and whether you are the prime or sub-consultant.

TAB 8 – Costs

This solicitation is being issued in accordance with Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act", and therefore price cannot and will not be a determining factor in the selection of the successful firm. The County will request price/hourly rates once the most qualified firm is selected. The County reserves the right to negotiate

price/hourly rates. **DO NOT SUBMIT COSTS OR ANY PRICING DETAIL WITH RFQ RESPONSE.**

TAB 9 – Attachments/Forms Administrative Information

All Attachment/Forms required by the RFQ shall be fully completed and executed by an authorized representative that can legally bind the Firm. Respondent shall submit all information to this RFQ in the above order. Failure to do so may diminish your score.

SECTION 5. EVALUATION/SELECTION PROCESS

- 5.1 PROPOSAL EVALUATION:** The County will review all qualified responses to this RFQ and select the proposal that is determined to be in the best public interest in accordance with the intent of this RFQ. All proposals will first be screened for adherence to the requirements of this RFQ. The County will not consider non-responsive proposals. A non-responsive proposal is a proposal that was not timely submitted or fails to meet the material terms and conditions of this RFQ as determined by the County.

The County reserves the right to waive any informality in any proposal and to accept any proposal which it considers to be in the best public interest, and to reject any or all proposals. **The decision of the County shall be final.**

Solicitation responses, tabulation and award will be made public in accordance with Florida Statute 119.071 and Florida Statute 286.0113.

- 5.2 EVALUATION/SELECTION COMMITTEE:** The Procurement Director will facilitate the evaluation process. The evaluation/selection committee will be responsible for evaluating and ranking each Firm based upon the proposal submitted.
- 5.3 EVALUATION CRITERIA:** The Evaluation Committee will evaluate the responses and will shortlist a minimum of the top three (3) firms. The evaluation will be based on the following criteria:

Evaluation Factor	Maximum Points
Firm Experience and Qualifications	30
Staff Qualifications and Project Team	20
Delivery and Approach	20
References	10
Current Workload	10

- 5.4** The County reserves the right to make selections based on the submittals only or to request oral presentations or questions/answer sessions with the top ranked Firms before determining the final ranking.
- 5.5** If the County requests oral presentations from the top ranked Firms, a separate evaluation process will be conducted. The evaluation criteria and scoring that will be used for the ranking of the oral presentations will be provided prior to the presentation date.

SECTION 6. CONTRACT PROCEDURES

- 6.1 **Presentation to the Board:** The Capital Projects Department shall submit an agenda item for presentation to the Nassau County Board of County Commissioners requesting consideration and approval to award based on the recommendation of the evaluation committee according to the overall ranking and authorization to negotiate a contract with the top-ranked Firms.
- 6.2 **Competitive Negotiations:** Approval of the recommendation to award by the Nassau County Board of County Commissioners will constitute authorization to negotiate with the top-ranked Firm. The proposal package, signed by the successful Respondent, along with documentation included in the proposal as required by this RFQ and other additional materials submitted by the Respondent, and accepted by the County, shall be the basis for negotiation of a contract. Nassau County shall negotiate a contract with the top ranked Firms for professional services at compensation which Nassau County determines is fair, competitive, and reasonable. The Firm receiving the award shall be required to execute a truth-in-negotiation certificate stating that wage rates and other factual unit costs supporting the compensation are accurate, complete, and current at the time of contracting. During contract negotiations, the County will negotiate fee schedules with the goal of establishing standardized rates. The Board of County Commissioners will have final approval of the terms negotiated.
- 6.3 **Unable to Negotiate:** Should Nassau County be unable to negotiate a satisfactory contract with the top ranked Firm, negotiations with that Firm must be formally terminated. The County shall then undertake negotiations with the second-ranked Firm. Failing to accord with the second ranked Firm, the agency must terminate negotiations. The County shall then undertake negotiations with the third-ranked Firm. Should the County be unable to negotiate a satisfactory contract with any of the selected Firms, the County shall select additional Firms in the order of their competence and qualification and continue negotiations in accordance with this paragraph until an agreement is reached, or the County reserves the right to terminate all negotiations and reissue a new Request for Qualifications.

SECTION 7. STANDARD CONTRACT TERMS FOR PROFESSIONAL SERVICES

The contract that the County intends to use for award is attached as Appendix "B" for reference only. Any exceptions to this standard contract must be clearly indicated by return of the standard contract with the proposal, with exceptions clearly noted. The County has the right to require the selected respondent to sign the attached contract or to negotiate revisions to the contract language prior to execution of the contract, at its sole discretion. Modification or alteration of the documents contained in the solicitation or contract shall only be valid if mutually agreed to in writing by the Consultant and the County.

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APPENDIX "A"

SCOPE OF SERVICES

Firm shall provide Design Services as set forth in the County's Request for Qualifications and more particularly described in this Appendix "A", Scope of Services.

1.0 PROJECT DESCRIPTION

Nassau County is seeking the services of an engineering firm to provide the necessary design services for the County Road 121 Reconstruction and Resurfacing Project in Nassau County, Florida. The project will reconstruct and resurface County Road 119 Otis Road from US-1, and includes the following:

- Testing and analysis to determine most suitable repair method.
- Subgrade and Base repairs where needed.
- Reconstruction and Resurfacing of the roadway.
- Replacement of cross drains as needed.
- Reconstruction of shoulders to promote positive drainage.
- Analysis and design of needed intersection improvements
- Incorporate into design improvements needed to accommodate heavy vehicle traffic.

2.0 SCOPE OF PROJECT:

The firm shall perform services including, but not limited to the following and is encouraged to propose innovative ideas and/or concepts that may be considered:

- Testing and geotechnical analysis needed to determine most suitable repair methods.
- Research and analysis needed to determine most suitable repairs to handle heavy truck traffic.
- Design and provide the construction documents for the reconstruction and resurfacing of CR 121 from CR-119 Otis Road to US-1.
- Superelevation correction where needed.
- Signing, striping marking.
- Roadway design shall meet the minimum requirements of the Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, commonly known as the "Florida Greenbook".
- The work will include survey, geotechnical, environmental and any other investigations to support the design.
- Respondent shall provide:
 - All necessary permits
 - Utility coordination
 - Railroad coordination

- Construction documents

3.0 Project Deliverables:

- A. 30% plan submittal:**
 - Road Safety Audit or Safety Study**
 - Engineering Report detailing recommended safety improvements
 - 30% Roadway Plans and Specifications
 - 30% MOT Plans and Specifications
 - 30% Pavement Marking and Signage Plans and Specifications
 - Construction Cost Estimate
 - Value Engineering Recommendations
 - Estimated Construction Schedule
- B. 60% plan submittal:**
 - 60% Roadway Plans and Specifications
 - 60% MOT Plans and Specifications
 - 60% Pavement Marking and Signage Plans and Specifications
 - Construction Cost Estimate
 - Estimated Construction Schedule
- C. 90% plan submittal:**
 - 90% Roadway Plans and Specifications
 - 90% MOT Plans and Specifications
 - 90% Pavement Marking and Signage Plans and Specifications
 - Construction Cost Estimate
 - Estimated Construction Schedule
- D. Final plan submittal (100%):**
 - Final Road Safety Audit or Safety Study
 - Final Engineering Report detailing recommended safety improvements
 - Final Roadway Plans and Specifications
 - Final MOT Plans and Specifications
 - Final Pavement Marking and Signage Plans and Specifications
 - Construction Cost Estimate
 - Estimated Construction Schedule
- E. Throughout the project:**
 - All necessary permits
 - Utility Coordination
 - Railroad Coordination (as necessary)

- F. Post Design Services:**
Post Design Services as needed.

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APPENDIX B
CONTRACT FOR PROFESSIONAL SERVICES

THIS CONTRACT is entered into by and between the **Board of County Commissioners of Nassau County**, a political subdivision of the State of Florida, hereinafter referred to as the "County", and _____, located at _____, hereinafter referred to as the "Consultant" on the day and year last written below (hereinafter "Effective Date").

WHEREAS, the County desires to obtain professional services for _____. Said services are more fully described in the _____, attached hereto and incorporated herein as Exhibit "A"; and

WHEREAS, the Consultant desires to render certain professional services as described in Exhibit "A", and has the qualifications, experience, staff and resources to perform those professional services; and

WHEREAS, the County, through a competitive selection process conducted in accordance with the requirements of law and County policy, and based upon the Consultant's assurance that it has the qualifications, experience, staff and resources, the County has determined that it would be in the best interest of Nassau County to award a contract to the Consultant for the rendering of those services described in Exhibit "A".

NOW THEREFORE, in consideration of the mutual covenants and agreements hereinafter contained, the parties hereto agree as follows:

SECTION 1. Recitals.

1.1 The above recitals are true and correct and are incorporated herein, in their entirety, by this reference.

SECTION 2. Exhibits.

2.1 The Exhibits listed below are incorporated into and made part of this Contract:

Exhibit A CONSULTANT'S SCOPE OF PROFESSIONAL SERVICES

Exhibit B INSURANCE REQUIREMENTS

SECTION 3. Employment of the Consultant.

3.1 The County hereby agrees to engage the Consultant, and the Consultant hereby agrees to perform the professional services set forth in Exhibit "A".

SECTION 4. Scope of Services.

4.1 The Consultant shall provide professional services in accordance with Exhibit "A".

4.2 Services requested by the County or the County's representative that are not set forth in Exhibit "A" shall be considered additional services. Any request for additional services and additional fees shall be mutually agreed upon by the parties in writing.

SECTION 5. The County's Responsibility.

5.1 The County shall provide the Consultant with all required data, information, and services regarding the requirements and objectives for the services under this Contract. The Consultant shall rely upon the accuracy and completeness of any information, reports, data supplied by the County or the County's representative.

5.2 The County hereby designates the _____, or designee, to act on the County's behalf under this Contract. The _____, or designee, under the supervision of the County Manager, shall have complete authority to transmit instructions, receive information, interpret and define the County's policies and decisions with respect to materials, elements and systems pertinent to the provision of the Consultant's services.

SECTION 6. Term of Contract and Option to Extend or Renew.

6.1 The term of this Contract shall begin upon the execution of this Contract by all parties and shall terminate on _____. The term of this Contract may be extended in one (1) year increments, with no changes in terms or conditions, upon mutual written agreement between the Consultant and the County. The County Manager is hereby authorized to execute any Contract renewal, amendment and/or modification upon approval by the County Attorney's Office. Any extension or amendment to this Contract shall be subject to availability of funds of the County as set forth in Section 11 hereinbelow.

6.2. In the event that this Contract is continued beyond the term provided above by mutual consent of the parties and not reduced to writing, this Contract shall be carried out on a month-to-month basis and shall not constitute an implied renewal of the Contract. Said month-to-month extension shall be upon the same terms of the Contract and at the compensation and payment provided herein.

SECTION 7. Compensation.

7.1 The Consultant shall be compensated in an amount not to exceed _____, in accordance with Exhibit "A".

7.2 The Consultant shall prepare and submit to the _____, for approval, an invoice for the services rendered, with a copy provided to invoices@nassaucountyfl.com. Invoices for services shall be paid in accordance with the Florida Prompt Payment Act found at Section 218.70, Florida Statutes. All invoices shall be accompanied by a report or statement identifying the nature of the work performed, the hours required and compensation for the work performed. The report or statement shall show a summary of fees. The County reserves the right to withhold payment to the Consultant for

failure to perform the work in accordance with the provisions of this Contract, and the County shall promptly notify the Consultant in writing if any invoice or report is found to be unacceptable and will specify the reasons therefor. The Consultant shall have thirty (30) days to cure any failure upon written notice. Consultant shall honor all purchase orders or work authorizations issued prior to the expiration of the term of this Contract.

7.3 All representation, indemnifications, warranties and guaranties made in, required by or given in accordance with this Contract, as well as all continuing obligations indicated in this Contract, will survive final payment and termination or completion of this Contract.

7.4 Final Invoice: Consultant shall submit to County Consultant's final/last billing to County clearly marked as "Final Invoice." Submittal of the Final Invoice by Consultant to County shall indicate that all services have been performed by Consultant and that all charges and costs have been invoiced by the Consultant to County and that there is no further work to be performed and no further invoices to be submitted under this Contract.

SECTION 8. Standard of Care.

8.1 The Consultant shall exercise the same degree of care, skill, and diligence in the performance of the services as is ordinarily provided by a professional under similar circumstances, at the same time, and in the same locality. In the County's sole discretion, upon request by the County, the Consultant shall, at no additional cost to the County, re-perform services which in the sole discretion of the County do not meet the foregoing standard of care.

SECTION 9. Equal Opportunity Employment.

9.1 In connection with the work to be performed under this Contract, the Consultant agrees to comply with the applicable provisions of State and Federal Equal Employment Opportunity statutes and regulations.

SECTION 10. Access to Premises.

10.1 The County shall be responsible for providing access to all project sites (if required), and for providing project site specific information.

SECTION 11. Funding.

11.1 The County's performance and obligation under this Contract is contingent upon an annual appropriation by the Board of County Commissioners for subsequent fiscal years and is subject to termination based on lack of funding.

SECTION 12. Expenses.

12.1 The Consultant shall be responsible for all expenses incurred while performing the services under this Contract including, but not limited to, license fees, memberships and dues; automobile and other travel expenses; meals and entertainment; insurance premiums; and all salary, expenses and other compensation paid to the Consultant's agents, if any, hired by the Consultant to complete the work under this Contract.

SECTION 13. Taxes, Liens, Licenses and Permits.

13.1 The Consultant recognizes that the County, by virtue of its sovereignty, is not required to pay any taxes on the services or goods purchased under the terms of this Contract. As such, the Consultant shall refrain from including taxes in any billing. The Consultant is placed on notice that this exemption generally does not apply to nongovernmental entities, contractors, or subcontractors. Any questions regarding this tax exemption shall be addressed to the County Manager.

13.2 The Consultant shall secure and maintain all licenses and permits required to perform the services under this Contract and to pay any and all applicable sales or use tax, or any other tax or assessment which shall be imposed or assessed by any and all governmental

authorities, required under this Contract, and to meet all federal, state, county and municipal laws, ordinances, policies and rules.

13.3 The Consultant acknowledges that property being improved that is titled to the County, shall not be subject to a lien of any kind for any reason. The Consultant shall include notice of such exemptions in any subcontracts and purchase orders issued under this Contract.

SECTION 14. Governing Law, Venue and Compliance with Laws.

14.1 This Contract shall be deemed to have been executed and entered into within the State of Florida and any dispute arising hereunder, shall be governed, interpreted and construed according to the laws of the State of Florida, the Ordinances of Nassau County, and any applicable federal statutes, rules and regulations. Any and all litigation arising under this Contract shall be brought in Nassau County, Florida, and any trial shall be non-jury. Any mediation, pursuant to litigation, shall occur in Nassau County, Florida.

14.2 The Consultant shall comply with applicable regulatory requirements including federal, state, and local laws, rules, regulations, codes, orders, criteria and standards.

SECTION 15. Modifications.

15.1 The terms of this Contract may be modified only upon the written and mutual consent of both parties, and approval by appropriate legal authority in the County.

SECTION 16. Assignment and Subcontracting.

16.1 The Consultant shall not assign, sublet, convey or transfer its interest in this Contract without the prior written consent of the County.

16.2 In order to assign this Contract, or to subcontract any of the work requirements to be performed, the Consultant shall ensure and provide assurances to the County, that any subcontractor selected for work under this Contract has the necessary qualifications and abilities

to perform in accordance with the terms and conditions of this Contract. The Consultant shall provide the County with the names of any subcontractor considered for work under this Contract; the County reserves the right to reject any subcontractor whose qualifications or performance, in the County's sole discretion, are insufficient. The Consultant shall be responsible for all work performed and all expenses incurred with the project. Any subcontract arrangements shall be evidenced by a written document available to the County upon request. The Consultant further agrees that the County shall not be liable to any subcontractor for any expenses or liabilities incurred under the subcontract. The Consultant, at its expense, shall defend the County against such claims.

16.3 The Consultant shall make payments to any of its subcontractors within seven (7) working days after receipt of full or partial payments from the County in accordance with Section 287.0585, Florida Statutes, unless otherwise stated in the contracts between the Consultant and subcontractors. The Consultant's failure to pay its subcontractor(s) within seven (7) working days shall result in a penalty charged against the Consultant and paid to the subcontractors in the amount of one-half of one percent (0.50%) of the amount due per day from the expiration of the period allowed herein for payment. Such penalty shall be in addition to the actual payments owed and shall not exceed fifteen percent (15%) of the outstanding balance due.

SECTION 17. Severability.

17.1 If any section, subsection, sentence, clause, phrase, or portion of this Contract is, for any reason, held invalid, unconstitutional, or unenforceable by any Court of Competent Jurisdiction, such portion shall be deemed as a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

SECTION 18. Termination for Default.

18.1 If the Consultant fails to perform any of its obligations under this Contract, and if such default remains uncured for a period of more than fifteen (15) days after notice thereof was given in writing by the County to the Consultant, then the County may, without prejudice to any right or remedy the County may have, terminate this Contract.

18.2 Upon termination of this Contract, the Consultant shall immediately (1) stop work on the date specified; (2) terminate and settle all orders and subcontracts relating to the performance of the terminated work; (3) transfer all work in process, completed work, and other materials related to the terminated work to the County; (4) render to the County all property belonging to the County, including but not limited to, equipment, books, and records.

SECTION 19. Termination for Convenience.

19.1 The County reserves the right to terminate this Contract in whole or part by giving the Consultant written notice at least thirty (30) days prior to the effective date of the termination. Upon receipt of written notice of termination from the County, the Consultant shall only provide those services and/or materials specifically approved or directed by the County. All other rights and duties of the parties under the Contract shall continue during such notice period, and the County shall continue to be responsible to the Consultant for the payment of any obligations to the extent such responsibility has not been excused by breach or default of the Consultant. The Consultant shall promptly contact the County to make arrangements to render to the County all property belonging to the County, including but not limited to, equipment, books, and records.

SECTION 20. Nondisclosure of Proprietary Information.

20.1 The Consultant shall consider all information provided by the County and all reports, studies, calculations, and other documentation resulting from the Consultant's

performance of the services to be proprietary unless such information is available from public sources. The Consultant shall not publish or disclose proprietary information for any purpose other than the performance of the services without the prior written authorization of the County or in response to legal process.

SECTION 21. Contingent Fees.

21.1 The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Contract 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 the Consultant, any fee, commission, percentage, gift or any other consideration contingent upon or resulting from the award or making of this Contract.

SECTION 22. Ownership of Documents.

22.1 The Consultant shall be required to work in harmony with other County consultants relative to providing information requested in a timely manner and in the specified form. All documents, records, disks, original drawings, or other information shall become the property of the County upon completion for its use and distribution as may be deemed appropriate by the County.

SECTION 23. Force Majeure.

23.1 Neither party of this Contract shall be liable to the other for any cost or damages if the failure to perform the Contract arises out of causes beyond the control and without the fault or negligence of the parties. Such causes may include, but are not restricted to, acts of nature, fires, quarantine restrictions, strikes and freight embargoes. In all cases, the failure to perform shall be totally beyond the control and without any fault or negligence of the party.

23.2 In the event of delay from the foregoing causes, the party shall take all reasonable measures to mitigate any and all resulting delay or disruption in the party's performance obligation under this Contract. If the delay is excusable under this section, the delay shall not result in any additional charge or cost under the Contract to either party. In the case of any delay that the Consultant believes is excusable under this section, the Consultant shall notify the County in writing of the delay or potential delay and describe the cause of the delay either: (1) within ten (10) calendar days after the cause that created or will create the delay first arose, if the Consultant could reasonably foresee that a delay could occur as a result; or (2) within five (5) calendar days after the date the Consultant first had reason to believe that a delay could result, if the delay is not reasonably foreseeable. THE FOREGOING SHALL CONSTITUTE THE CONSULTANT'S SOLE REMEDY OR EXCUSE WITH RESPECT TO DELAY. Providing notice in strict accordance with this section is a condition precedent to such remedy. The County, in its sole discretion, shall determine if the delay is excusable under this section and shall notify the Consultant of its decision in writing. No claim for damages, other than for an extension of time, shall be asserted against the County. The Consultant shall not be entitled to an increase in the Contract price or payment of any kind from the County for direct, indirect, consequential, impact, or other costs, expenses or damages, including but not limited to costs of acceleration or inefficiency arising because of delay, disruption, interference, or hindrance from any cause whatsoever. If performance is suspended or delayed, in whole or in part, due to any of the causes described in this section, after the causes have ceased to exist, the Consultant shall perform at no increased cost, unless the County determines, in its sole discretion, that the delay will significantly impair the value of the Contract to the County, in which case, the County may do any or all of the following: (1) accept allocated performance or deliveries from the

Consultant, provided that the Consultant grants preferential treatment to the County with respect to products or services subjected to allocation; (2) purchase from other sources (without recourse to and by the Consultant for the related costs and expenses) to replace all or part of the products or services that are the subject of the delay, which purchases may be deducted from the Contract quantity; or (3) terminate the Contract in whole or in part.

SECTION 24. Access And Audits of Records.

24.1 The Consultant shall maintain adequate records to justify all charges, expenses, and costs incurred in providing the services and materials for at least three (3) years after completion of work contemplated under this Contract. The County and the County Clerk of Court shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours upon five (5) days' written notice to the Consultant.

SECTION 25. Independent Consultant Status.

25.1 The Consultant shall perform the services under this Contract as an independent contractor and nothing contained herein shall be construed to be inconsistent with this relationship or status. Nothing in this Contract shall be interpreted or construed to constitute the Consultant or any of its agents or employees to be an agent, employee or representative of the County.

25.2 The Consultant and the County agree that during the term of this Contract: (a) the Consultant has the right to perform services for others; (b) the Consultant has the right to perform the services required by this Contract; and (c) the Consultant has the right to hire assistants as subcontractors, or to use employees to provide the services required by this Contract.

SECTION 26. Indemnification.

26.1 The Consultant shall indemnify and hold harmless the County and its agents and employees from all claims, liabilities, damages, losses, expenses and costs, including attorney's fees, arising out of or associated with or caused by the negligence, recklessness, or intentionally wrongful conduct of the Consultant or any persons employed or utilized by the Consultant, in the performance of this Contract. The Consultant shall, at its own expense, defend any and all such actions, suits, or proceedings which may be brought against the County in connection with the Consultant's performance under this Contract.

SECTION 27. Insurance.

27.1 The Consultant shall provide and maintain at all times during the term of this Contract, without cost or expense to the County, such commercial (occurrence form) or comprehensive general liability, workers compensation, professional liability, and other insurance policies as detailed in Exhibit "B". The policy limits required are to be considered minimum amounts.

27.2 The Consultant shall provide to the County a Certificate of Insurance for all policies of insurance and renewals thereof in a form acceptable to the County. Said certificates shall provide that the Nassau County Board of County Commissioners is an additional insured, and that the County shall be notified in writing of any reduction, cancellation or substantial change of policy or policies at least thirty (30) days prior to the effective date of said action with the exception of ten (10) days for non-payment. All insurance policies shall be issued by responsible companies who are acceptable to the County and licensed and authorized under the laws of the State of Florida.

SECTION 28. Dispute Resolution Process.

28.1 In the event of a dispute regarding the interpretation of the terms of this Contract, the County, in its sole discretion, may elect to use the dispute resolution process as set forth in this section.

28.2 In the event the County elects to use the dispute resolution process under this section, the County shall send a written communication to the Consultant pursuant to Section 35 hereinbelow. The written notification shall set forth the County's interpretation of the terms of this Contract.

28.3 The County shall then set a date and time for the parties to meet with the County Manager or designee. This meeting shall be set no more than twenty (20) days from the date that the written communication was sent to the Consultant. The Consultant may submit a written response to the County's written communication no less than five (5) days prior to the meeting with the County Manager or designee.

28.4 If no satisfactory resolution as to the interpretation of the Contract terms is reached at the meeting with the County Manager or designee, then the parties may elect to submit the dispute to mediation in accordance with mediation rules as established by the Florida Supreme Court. Mediators shall be chosen by the County and the cost of mediation shall be borne by the Consultant. The Consultant shall not stop work during the pendency of the dispute resolution or mediation process as set forth in this section.

SECTION 29. E-Verify.

29.1 The Consultant shall comply with Section 448.095, Florida Statutes, and use the United States Department of Homeland Security's E-Verify system ("E-Verify") to verify the employment eligibility of all persons hired by the Consultant during the term of this Contract to work in Florida. Additionally, if the Consultant uses subcontractors to perform any portion of

the work (under this Contract), the Consultant shall include a requirement in the subcontractor's contract that the subcontractor use E-Verify to verify the employment eligibility of all persons hired by subcontractor to perform any such portion of the work. Answers to questions regarding E-Verify as well as instructions on enrollment may be found at the E-Verify website: www.uscis.gov/e-verify.

29.2 The Consultant shall maintain records of its participation and compliance with the provisions of the E-Verify program, including participation by its subcontractors as provided above, and to make such records available to the County or other authorized entity consistent with the terms of the Consultant's enrollment in the program. This includes maintaining a copy of proof of the Consultant's and subcontractors' enrollment in the E-Verify program. If the Consultant enters into a contract with a subcontractor, the subcontractor shall provide the Consultant with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien. The Consultant shall maintain a copy of such affidavit for the duration of the Contract.

29.3 Compliance with the terms of the E-Verify program provision is made an express condition of this Contract and the County may treat a failure to comply as a material breach of the Contract. If the County terminates the Contract pursuant to Section 448.095(2)(c), Florida Statutes, the Consultant may not be awarded a public contract for at least one (1) year after the date on which the contract was terminated and the Consultant is liable for any additional costs incurred by the County as a result of the termination of this Contract.

SECTION 30. Public Records.

30.1 The County is a public agency subject to Chapter 119, Florida Statutes. **IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF**

CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (904) 530-6090, RECORDS@NASSAUCOUNTYFL.COM, 96135 NASSAU PLACE, SUITE 6, YULEE, FLORIDA 32097. Under this Contract, to the extent that the Consultant is providing services to the County, and pursuant to Section 119.0701, Florida Statutes, the Consultant shall:

- a. Keep and maintain public records required by the County to perform the service.
- b. Upon request from the County's custodian of public records, provide the 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 in this chapter or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Contract term and following completion of the Contract if the Consultant does not transfer the records to the County.
- d. Upon completion of the Contract, transfer, at no cost, to the County all public records in possession of the Consultant or keep and maintain public records required by the County to perform the service. If the Consultant transfers all public records to the County upon completion of the Contract, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of

the Contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically shall be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the information technology systems of the County.

30.2 A request to inspect or copy public records relating to the County's contract for materials shall be made directly to the County. If the County does not possess the requested records, the County shall immediately notify the Consultant of the request, and the Consultant shall provide the records to the public agency or allow the records to be inspected or copied within a reasonable time.

30.3 If the Consultant does not comply with the County's request for records, the County shall enforce the Contract provisions in accordance with the Contract.

30.4 If the Consultant fails to provide the public records to the County within a reasonable time, the Consultant may be subject to penalties under Section 119.10, Florida Statutes.

30.5 If a civil action is filed against the Consultant to compel production of public records relating to the Contract, the Court shall assess and award against the Consultant the reasonable costs of enforcement, including reasonable attorney fees if:

- a. The Court determines that the Consultant unlawfully refused to comply with the public records request within a reasonable time; and
- b. At least eight (8) business days before filing the action, the plaintiff provided written notice of the public records request, including a statement that the Consultant has not complied with the request, to the County and to the Consultant.

30.6 A notice complies with Section 30.5 b. hereinabove, if it is sent to the County's

custodian of public records and to the Consultant at the Consultant's address listed on its Contract with the County or to the Consultant's registered agent. Such notices shall be sent pursuant to Section 35 hereinbelow.

30.7 If the Consultant complies with a public records request within eight (8) business days after the notice is sent, the Consultant is not liable for the reasonable costs of enforcement.

30.8 In reference to any public records requested under this Contract, the Consultant shall identify and mark specifically any information which the Consultant considers confidential and/or proprietary, inclusive of trade secrets as defined in Section 812.081, Florida Statutes, and which the Consultant believes to be exempt from disclosure, citing specifically the applicable exempting law and including a brief written explanation as to why the cited Statute is applicable to the information claimed as confidential and/or proprietary information. All materials shall be segregated and clearly identified as "EXEMPT FROM PUBLIC DISCLOSURE."

30.9 In conjunction with the confidential and/or proprietary information designation, the Consultant acknowledges and agrees that after notice from County, the Consultant shall respond to a notice from the County immediately, but no later than 10 calendar days from the date of notification or the Consultant shall be deemed to have waived and consented to the release of the confidential and/or proprietary designated materials.

30.10 The Consultant further agrees that by designation of the confidential/proprietary material, the Consultant shall defend the County (and its employees, agents and elected and appointed officials) against all claims and actions (whether or not a lawsuit is commenced) related to the Consultant's designation of the material as exempt from public disclosure and to hold harmless the County (and its employees, agents and elected and appointed officials) from any award to a plaintiff for damages, costs and attorneys' fees, incurred by the County by reason

of any claim or action related to the Consultant's designation of material as exempt from public disclosure.

SECTION 31. Disclosure Of Litigation, Investigations, Arbitration or Administrative Decisions.

31.1 During the term of this Contract, or any extension thereto, the Consultant shall have the continued duty to disclose to the County Attorney, in writing, upon occurrence, all civil or criminal litigation, arbitration, mediation, or administrative proceeding involving the Consultant. If the existence of the proceeding causes the County concerns that the Consultant's ability or willingness to perform this contract is jeopardized, the Consultant may be required to provide the County with reasonable written assurance to demonstrate the Consultant can perform the terms and conditions of the Contract.

SECTION 32. Scrutinized Companies and Public Entity Crimes.

32.1 The Consultant is directed to the Florida Public Entity Crime Act, Section 287.133, Florida Statutes, as well as Section 287.135, Florida Statutes, regarding Scrutinized Companies, and represents to County that the Consultant is qualified to transact business with public entities in Florida, and to enter into and fully perform this Contract subject to the provisions stated therein. Failure to comply with any of the above provisions will be considered a material breach of the Contract.

SECTION 33. Anti-Discrimination.

33.1 The Consultant agrees that it will not discriminate in employment, employee development, or employee advancement because of religious or political opinions or affiliations, race, color, national origin, sex, age, physical handicap, or other factors, except where such factor is a bonified occupational qualification or is required by State and/or Federal Law.

SECTION 34. Advertising.

34.1 The Consultant shall not publicly disseminate any information concerning this Contract without prior written approval from the County, including but not limited to, mentioning the Contract in a press release or other promotional material, identifying the County as a reference, or otherwise linking the Consultant's name and either description of this Contract or the name of the County in any material published, either in print or electronically, to any entity that is not a party this Contract, except potential or actual authorized distributors, dealers, resellers, or service representative.

SECTION 35. Notices.

35.1 All notices, demands, requests for approvals or other communications given by the parties to another in connection with this Contract shall be in writing, and shall be sent by registered or certified mail, postage prepaid, return receipt requested, or overnight delivery service (such as federal express), or courier service or by hand delivery to the office of each party indicated below:

County: Nassau County
Attn:
96135 Nassau Place
Yulee, Florida 32097

Consultant: [Consultant Address]
Attn: [Consultant Contact Person]
[Consultant Address]

SECTION 36. Attorney's Fees.

36.1 Notwithstanding the provisions of Section 30 hereinabove, in the event of any legal action to enforce the terms of this Contract each party shall bear its own attorney's fees and costs.

SECTION 37. Authority to Bind.

37.1 The Consultant represents and warrants that the Consultant's undersigned representative if executing this Contract of behalf of a partnership, corporation or agency has the authority to bind the Company to the terms of this Contract.

SECTION 38. Conflicting Terms, Representations and No Waiver of Covenants or Conditions.

38.1 In the event of any conflict between the terms of this Contract and the terms of any exhibits, the terms of this Contract shall prevail.

38.2 All representations, indemnifications, warranties and guaranties made by the Consultant in this Contract, as well as all continuing obligations indicated in this Contract, shall survive final payment and termination or completion of this Contract.

38.3 The failure of either party to insist on strict performance of any covenant or condition herein, or to exercise any option herein contained, shall not be construed as a waiver of such covenant, condition, or option in any other instance.

38.4 The Consultant warrants that any goods provided by the Consultant under this Contract shall be merchantable. All goods provided shall be of good quality within the description given by the County, shall be fit for their ordinary purpose, shall be adequately contained and packaged with the description given by the County, shall conform to the agreed upon specifications, and shall conform to the affirmations of facts made by the Consultant or on the container or label.

SECTION 39. Construction of Contract.

39.1 The parties hereby acknowledge that they have fully reviewed this Contract and any exhibits and have had the opportunity to consult with legal counsel of their choice, and that this Contract shall not be construed against any party as if they were the drafter of this Contract.

SECTION 40. Headings.

40.1 The section headings and captions of this Contract are for convenience and reference of the parties and in no way define, limit or describe the scope or intent of this Contract or any part thereof.

SECTION 41. Entire Agreement and Execution.

41.1 This Contract, together with any exhibits, constitutes the entire Contract between the County and the Consultant and supersedes all prior written or oral understandings.

41.2 This Contract may be executed in any number of counterparts; each executed counterpart hereof shall be deemed an original; and all such counterparts, when taken together, shall be deemed to constitute one and the same instrument.

SECTION 42. Change of Laws.

42.1 If there is a change in any state or federal law, regulation or rule or interpretation thereof, which affects this Contract or the activities of either party under this Contract, and either party reasonably believes in good faith that the change will have a substantial adverse effect on that party's rights or obligations under this Contract, then that party may, upon written notice, require the other party to enter into good faith negotiations to renegotiate the terms of this Contract. If the parties are unable to reach an agreement concerning the modification of this Contract within fifteen (15) days after the date of the notice seeking renegotiation, then either party may terminate this Contract by written notice to the other party. In such event, Consultant shall be paid its compensation for services performed prior to the termination date.

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DRAFT

IN WITNESS WHEREOF, the parties have executed this Contract which shall be deemed an original on the day and year last written below

BOARD OF COUNTY COMMISSIONERS

NASSAU COUNTY, FLORIDA

By: _____
Its: _____
Date: _____

Attest as to authenticity of the
Chair's signature:

JOHN A. CRAWFORD
Its: Ex-Officio Clerk

Approved as to form and legality by the
Nassau County Attorney

DENISE C. MAY

COMPANY'S NAME

By: _____

Its: _____

Date: _____

APPENDIX C
MINIMUM INSURANCE REQUIREMENTS

COMMERCIAL GENERAL LIABILITY INSURANCE

The Vendor/Contractor shall purchase and maintain at the Vendor/Contractor's expense Commercial General Liability insurance coverage (ISO or comparable Occurrence Form) for the life of this Contract. Modified Occurrence or Claims Made forms are not acceptable.

The Limits of this insurance shall not be less than the following limits:

Each Occurrence Limit	\$1,000,000
Personal & Advertising Injury Limit	\$1,000,000
Products & Completed Operations Aggregate Limit	\$2,000,000
General Aggregate Limit (other than Products & Completed Operations) Applies Per Project	\$2,000,000

General liability coverage shall continue to apply to "bodily injury" and to "property damage" occurring after all work on the Site of the covered operations to be performed by or on behalf of the additional insureds has been completed and shall continue after that portion of "your work" out of which the injury or damage arises has been put to its intended use.

WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE

The Vendor/Contractor shall purchase and maintain at the Vendor/Contractor's expense Workers' Compensation and Employer's Liability insurance coverage for the life of this Contract.

The Limits of this insurance shall not be less than the following limits:

Part One – Workers' Compensation Insurance – Unlimited
Statutory Benefits as provided in the Florida Statutes and

Part Two – Employer's Liability Insurance

Bodily Injury By Accident	\$500,000 Each Accident
Bodily Injury By Disease	\$500,000 Policy Limit
Bodily Injury By Disease	\$500,000 Each Employee

*If leased employees are used, policy must include an Alternate Employer's Endorsement

AUTOMOBILE LIABILITY INSURANCE

The Vendor/Contractor shall purchase and maintain at the Vendor/Contractor's expense Automobile Liability insurance coverage for the life of this Contract.

The Limits of this insurance shall not be less than the following limits:

Combined Single Limit – Each Accident	\$1,000,000
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Covered Automobiles shall include any auto owned or operated by the insured Vendor/Contractor, including autos which are leased, hired, rented or borrowed, including autos owned by their employees which are used in connection with the business of the respective Vendor/Contractor.

PROFESSIONAL LIABILITY (ERRORS & OMISSIONS)

This additional coverage will be required for all projects involving consultants, engineering services, architectural or design/build projects, independent testing firms and similar exposures.

The Contractor/Vendor shall purchase and maintain at the Contractor/Vendor's expense Professional Liability insurance coverage for the life of this Contract.

If the contract includes a requirement for Professional Liability or Errors and Omissions insurance, the minimum amount of such insurance shall be as follows:

Each Occurrence/Annual Aggregate –	\$1,000,000
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Design Professional Liability coverage will be provided on an Occurrence Form or a Claims Made Form with a retroactive date to at least the first date of this Agreement. If provided on a Claims Made Form, the coverages must respond to all claims reported within three years following the period for which coverage is required and which would have been covered had the coverage been on an occurrence basis.

Vendor/Contractor shall require each of his Sub-Vendor/Contractors to likewise purchase and maintain at their expense Commercial General Liability insurance, Workers' Compensation and Employer's Liability coverage and Automobile Liability insurance coverage meeting the same limit and requirements as the Vendor/Contractors insurance.

Certificates of Insurance and the insurance policies required for this Agreement shall contain –

- **Endorsement that coverage afforded under the policies will not be cancelled or allowed to expire until at least thirty (30) days prior written notice has been given to Nassau County Board of County Commissioners.**
 - **Nassau County Board of County Commissioners must be named as an Additional Insured and endorsed onto the Commercial General Liability (CGL), Auto Liability policy (ies).**
 - **CGL policy for construction related contracts –**
 - **Additional Insured Endorsement must include Ongoing and Completed**
 - **CGL policy shall not be endorsed with Contractual Liability Limitation Endorsement or Amendment of Insured Contract Definition**
 - **CGL policy shall include broad form contractual liability coverage for the Contractors covenants to and indemnification of the Authority under this Contract**
- **Provision under General Liability, Auto Liability and Workers' Compensation to include a Waiver of Subrogation clause in favor of Nassau County Board of County Commissioners.**
- **Provision that policies, except Workers' Compensation, are primary and noncontributory.**

Certificates of Insurance and the insurance policies required for this Agreement shall contain a provision under General Liability, Auto Liability, Environmental Liability and Workers' Compensation to include a Waiver of Subrogation clause in favor of Nassau County Board of County Commissioners.

All Insurers must be authorized to transact insurance business in the State of Florida as provided by Florida Statute 624.09(1) and the most recent Rating Classification/Financial Category of the insurer as published in the latest edition of "Best's Key Rating Guide" (Property-Casualty) must be at least A- or above.

All of the above referenced Insurance coverage is required to remain in force for the duration of this Agreement and for the duration of the warranty period. Accordingly, at the time of submission of final application for payment, Vendor/Contractor shall submit an additional Certificate of Insurance evidencing continuation of such coverage.

If the Vendor/Contractor fails to procure, maintain or pay for the required insurance, Nassau County Board of County Commissioners shall have the right (but not the obligation) to secure same in the name of and for the account of Vendor/Contractor, in which event, Vendor/Contractor shall pay the cost thereof and shall furnish upon demand, all information that may be required to procure such insurance. Nassau County Board of County Commissioners shall have the right to back-charge Vendor/Contractor for the cost of procuring such insurance. The failure of Nassau County Board of County Commissioners to demand certificates of insurance and endorsements evidencing the required insurance or to identify any deficiency in Vendor/Contractors coverage based on the evidence of insurance provided by the Vendor/Contractor shall not be construed as a waiver by Nassau County Board of County Commissioners of Vendor/Contractor's obligation to procure, maintain and pay for required insurance.

The insurance requirements set forth herein shall in no way limit Vendor/Contractors liability arising out of the work performed under the Agreement or related activities. The inclusions, coverage and limits set forth herein are minimum inclusion, coverage and limits. The required minimum policy limits set forth shall not be construed as a limitation of Vendor/Contractor's right under any policy with higher limits, and no policy maintained by the Vendor/Contractor shall be construed as limiting the type, quality or quantity of insurance coverage that

Vendor/Contractor should maintain. Vendor/Contractor shall be responsible for determining appropriate inclusions, coverage and limits, which may be in excess of the minimum requirements set forth herein.

If the insurance of any Vendor/Contractor or any Sub-Vendor/Contractor contains deductible(s), penalty(ies) or self-insured retention(s), the Vendor/Contractor or Sub-Vendor/Contractor whose insurance contains such provision(s) shall be solely responsible for payment of such deductible(s), penalty(ies) or self-insured retention(s).

The failure of Vendor/Contractor to fully and strictly comply at all times with the insurance requirements set forth herein shall be deemed a material breach of the Agreement.

FORM A
SWORN STATEMENT
UNDER FLORIDA STATUTE 287.133(3)(a) ON PUBLIC ENTITY CRIMES

TO BE RETURNED WITH BID

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

1. This sworn statement is submitted with Bid, Proposal or Contract for _____.
2. This sworn statement is submitted by _____
(entity submitting sworn statement), whose business address is _____
_____ and its Federal Employee Identification
Number (FEIN) is _____. (If the entity has no FEIN, include the Social
Security Number of the individual signing this sworn statement: _____.)
3. My name is _____ (please print name of individual signing),
and my relationship to the entity named above is _____.
4. 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 public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services, any leases for real property, or any contract for the construction or repair of a public building or public work, 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.
5. I understand that "convicted" or "conviction" as defined in paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction or a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in paragraph 287.133(1)(a), Florida Statutes, means:
 - a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not to fair market value under an arm's length agreement, shall be prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees,

members, and agents who are active in management of an entity. 8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☐ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ The entity submitting this sworn statement, or one of more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, and (Please indicate which additional statement applies.)

☐ There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the Hearing Officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

Signature

Date

State of: _____
County of: _____

Sworn to (or affirmed) and subscribed before me by means of _____ physical presence or _____ online notarization, this _____ day of _____, 20____ by _____ who is _____ personally known to me or _____ produced _____ as identification.

Notary Public
My commission expires: _____

1. Company Name: _____
Address: _____
City/State/Zip: _____
Phone: Email: _____
Website Address: _____

☐ Sole Proprietor ☐ Partnership ☐ Corporation ☐ Other

4. Are you properly licensed/certified by the Federal or State to perform the specified services?
☐ Yes ☐ No

Years in business: _____

Years in business under this name: _____

Years performing this type of work: _____

Value of work now under contract: _____

Value of work in place last year: _____

Percentage (%) of work usually self-performed: _____

Name of sub-vendors you may use: _____

Has your company: Failed to complete or defaulted on a contract: ☐ Yes ☐ No

Been involved in bankruptcy or reorganization: ☐ Yes ☐ No

Pending judgment claims or suits against firm: ☐ Yes ☐ No

How many employees does your company employ: _____
(may use additional sheets if needed).

[illegible]

7. REFERENCES:

List at least three references for which you have provided these services (similar scope/size) in the past five years - preferably government agencies.

Reference #1:

Company/Agency Name: _____
Address: _____
Contract Person: _____
Phone: Email: _____
Project Description: _____
Contract \$ Amount: _____
Date Completed: _____

Reference #2:

Company/Agency Name: _____
Address: _____
Contract Person: _____
Phone: Email: _____
Project Description: _____
Contract \$ Amount: _____
Date Completed: _____

Reference #3:

Company/Agency Name: _____
Address: _____
Contract Person: _____
Phone: Email: _____
Project Description: _____
Contract \$ Amount: _____
Date Completed: _____

8. NOTICE OF PARTIES AND BINDING AUTHORITY

The following information is required if Respondent is selected for award of a contract with the County.

Notice to Parties

All notices, demands, requests for approvals or other communications shall be in writing, and shall be sent by registered or certified mail, postage prepaid, return receipt requested, or overnight delivery service (such as federal express), or courier service or by hand delivery to:

Contractor Name: _____
Attn: _____
Mailing Address: _____

Binding Authority

The person to execute the contract must be an officer of the company. If not an officer of the company, Respondent must provide proof of signing authority. Please provide the name, email address, and phone number of person who will execute the contract, if awarded.

Name of Person to execute contract (if awarded): _____
Title: _____
Email Address: _____
Phone Number: _____

FORM C
DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that _____ (print or type name of firm):

1. Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in the workplace named above and specifying actions that will be taken against violations of such prohibition.
2. Informs employees about the dangers of drug abuse in the workplace, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.
3. Gives each employee engaged in providing commodities or contractual services that are under bid or proposal, a copy of the statement specified above.
4. Notifies the employees that as a condition of working on the commodities or contractual services that are under bid or proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, plea of guilty or nolo contendere to, any violation of Chapter 1893, or any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written statement to acknowledge their receipt.
5. Imposes a sanction on, or requires 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. Makes a good faith effort to continue to maintain a drug free workplace through the implementation of a drug free workplace program.

"As a person authorized to sign a statement, I certify that the above-named business, firm, or corporation complies fully with the requirements set forth herein."

Authorized Signature

Date Signed

State of: _____
County of: _____

Sworn to (or affirmed) and subscribed before me by means of _____ physical presence or _____ online notarization, this _____ day of _____, 20____ by _____ who is _____ personally known to me or _____ produced _____ as identification.

Notary Public
My commission expires: _____

FORM D
E-VERIFY AFFIDAVIT

**NASSAU COUNTY E-VERIFY FORM UNDER
SECTION 448.095, FLORIDA STATUTES**

Project Name: _____
Bid No./Contract No.: _____

DEFINITIONS:

"Contractor" means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration. "Contractor" includes, but is not limited to, a vendor or consultant.

"Subcontractor" means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

"E-Verify System" means an internet-based system operated by the United States Department of Homeland Security that allows participating employers to electronically verify the employment eligibility of newly hired employees.

Effective January 1, 2021, Contractors, shall register with and use the E-Verify System in order to verify the work authorization status of all newly hired employees. Contractor shall register for and utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

- a. All persons employed by a Contractor to perform employment duties within Florida during the term of the contract; and
- b. All persons (including subvendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with Nassau County. The Contractor acknowledges and agrees that registration and use of the U.S. Department of Homeland Security's E-Verify System during the term of the contract is a condition of the contract with Nassau County; and
- c. Should vendor become the successful Contractor awarded for the above-named project, by entering into the contract, the Contractor shall comply with the provisions of Section 448.095, Florida Statutes, "Employment Eligibility", as amended from time to time. This includes, but is not limited to, registration and utilization of the E-Verify System to verify the work authorization status of all newly hired employees. The Contractor shall also execute the attached affidavit (Attachment "A") attesting that the Contractor does not employ, contract with, or such affidavit for the duration of the contract; and
- d. Contractor shall also require all subcontractors to execute the attached affidavit (Attachment "B") attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract.

CONTRACT TERMINATION:

- a. If Nassau County has a good faith belief that a Contractor has knowingly violated §448.09(1) or §448.095(2), Florida Statutes, the contract shall be terminated.
- b. If Nassau County has a good faith belief that a subcontractor has knowingly violated §448.09(1) or §448.095(2), Florida Statutes, but the Contractor otherwise complied with Chapter 448, Florida Statutes, Nassau County shall promptly notify the Contractor and order the Contractor to immediately terminate the contract with the subcontractor.
- c. A contract terminated under subparagraph a) or b) is not a breach of contract and may not be considered as such.
- d. Any challenge to termination under this provision must be filed in the Circuit Court no later than twenty (20) calendar days after the date of termination.
- e. If the contract is terminated for a violation of the Statute by the Contractor, the Contractor may not be awarded a public contract for a period of one (1) year after the date of termination.

FORM D - 1
CONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that _____ (Contractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of _____ (Contractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Print Name: _____
Date: _____

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ (Date) by _____ (Name of Officer or Agent, Title of Officer or Agent) of _____ (Name of Contractor Company Acknowledging), a _____ (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is ☐ personally known to me or ☐ has produced _____ as identification.

Notary Public

Printed Name

My Commission Expires: _____

FORM D - 2
SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that _____ (Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of _____ (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Print Name: _____
Date: _____

STATE OF FLORIDA
COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this _____ (Date) by _____ (Name of Officer or Agent, Title of Officer or Agent) of _____ (Name of Contractor Company Acknowledging), a _____ (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is ☐ personally known to me or ☐ has produced _____ as identification.

Notary Public

Printed Name

My Commission Expires: _____



NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS
Procurement Department
96135 Nassau Place, Suite 2
Yulee, Florida 32097
Ph: 904-530-6040

TO: All Prospective Proposers

FROM: Thomas O'Brien, Procurement Specialist

SUBJECT: Addendum No. 1
Request For Qualification Number NC24-023
Professional Design Services for CR-121 from CR-119 to US-1

DATE: August 27, 2024

This addendum is hereby incorporated into the solicitation documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to, and shall take precedence over, the original documents.

Questions and Answers:

1. Are there any design plans or as-builts for previous phases, concept plans, and/or safety studies available for CR 121? And if so, does the County intend to supply them?

Answer: No. The first phase of this project has not been completed.

2. Regarding Tab 6 – References, are references for currently ongoing projects considered acceptable by the County?

Answer: References for projects of similar size and scope are acceptable. References must include contact information for the County to verify and speak with.

3. In response to 4.1, are 11 X 17 pages acceptable and if so, do they count as one or two pages?

Answer: 11 x 17 pages are not acceptable. Pages should be in 8.5 x 11 size for responses.

4. Referencing the RFQ and for clarification on 3.1 Schedule, the RFQ Responses are submitted digitally through the PlanetBids portal on August 28, 2024, by 10:00AM?

Answer: All responses to this solicitation must be submitted electronically

through the PlanetBids portal. Please note that Addendum 1 extends the RFQ due date to September 5, 2024, by 10:00 a.m.

5. Is there a DBE percentage requirement for this contract?

Answer: There is no DBE Percentage requirement for this contract.

6. Are you able to provide the latest As-Builts and Design Plans for this segment of CR-121? Curve design details will be needed for superelevation correction due diligence.

Answer: The first phase of this project has not been completed.

7. Is there an Asphalt Pavement Evaluation Report/Asphalt Condition Survey available for CR 121?

Answer: The first phase of this project has not been completed.

8. Are there any CAD files specific to this section of CR-121 available?

Answer: No CAD files are available.

9. The Nassau County Typical Section for a 100' ROW Major Collector Two-Lane Road includes 5' paved shoulders and 5' sidewalks on either side of the road. Are these features anticipated to be included as part of the project?

Answer: Shoulders will be determined with the awarded vendor, but there will be no sidewalks on either side of the road.

10. Would the County please provide the Study Report used in recent signing and pavement marking improvements, which included reduction of posted speed limit(s) along the corridor?

Answer: The first phase of this project has not been completed.

11. What is the budget for this project?

Answer: The budget for this project is estimated at \$13,657,838.00.

12. Is there a project schedule or a design completion date for this project?

Answer: Design completion is projected for Summer 2025.

13. Are there previous plans available that show the Full-Depth Reclamation Limits for this project?

Answer: There are no drawings that show Full-Depth Reclamation limits.

14. In your Evaluation Criteria scoring, the total points only add up to 90. Is this an error or will there only be 90 points possible for this proposal?

Answer: The total points should equal 100. The Evaluation Criteria have been revised to:

Evaluation Factor	Maximum Points
Firm Experience and Qualifications	30
Staff Qualifications and Project Team	30
Delivery and Approach	20
References	10
Current Workload	10

15. Will the proposal be delivered via hard copies and if so, how many copies are needed or will it be delivered via PlanetBids Vendor Portal?

Answer: All responses to this solicitation must be submitted electronically through the PlanetBids portal.

The solicitation due date and opening time is extended to: September 5, 2024 at 10:00 AM EST

VENDOR HEREBY ACKNOWLEDGES THIS ADDENDUM ELECTRONICALLY THROUGH PLANETBIDS BY ITS BID SUBMISSION.



NASSAU COUNTY

Professional Design Services

EXHIBIT B -
Vendor's
Response

CR-121

FROM CR-119 TO US-1

RSFLJAX001232.2024

Kimley»Horn

Expect More. Experience Better.

TAB 1

Cover Letter




TAB 1 – COVER LETTER

August 28, 2024

Thomas O'Brien, Procurement Specialist
 Procurement Department
 Nassau County
 96135 Nassau Place, Suite 2
 Yulee, FL 32097

Kimley»Horn

 12740 Gran Bay Parkway West,
 Suite 2350, Jacksonville, FL 32258



Jessica Novak, PE
 Project Manager

 904.828.3937

 jessica.novak@kimley-horn.com

RE: RFQ No. NC24-023 Professional Design Services for CR-121 From CR-119 to US-1

Dear Selection Committee Members and Board of County Commissioners,

Nassau County requires a local, reliable, and highly qualified partner to provide engineering services for the resurfacing of CR-121 from CR-119 to US-1. **Kimley-Horn has the technical expertise, corridor experience, local knowledge, depth of available personnel, and commitment to meet your desired schedule.** We will serve Nassau County as a trusted partner for all the unique needs of this project and provide a proactive approach to tackle unforeseen challenges to deliver construction documents on budget and schedule.

Firm Experience and Qualifications

We are a highly qualified full-service firm. Kimley-Horn engineers have been responsible for the design of thousands of miles of roadway across the country, much of it here in Florida. They are well equipped in our local north Florida offices to address all related aspects of roadway design projects, such as intersection geometrics, utility relocations, traffic control, signalization, structural/bridge design, regulatory and permitting issues, paving, drainage, and other features. We understand that providing design services to our clients goes beyond providing plans, specifications, and estimates - it includes an appreciation for how the project fits within the functionality of the roadway network.

Staff Qualifications and Project Team

Kimley-Horn has all the resources of a large company but operates with the soul of a small firm. All the work proposed under this CR 121 project will be produced in our Jacksonville, FL office by the same team currently finalizing the design of CR-121 from the Duval County Line to CR-119.

Jessica Novak, PE, has the knowledge, experience, and capacity to serve as the lead roadway design engineer and engineer of record and most recently has been serving Nassau County on Phase I of CR-121 in the same role. There is no learning curve with this team. This same team of Kimley-Horn professionals now serving the county on Phase I will provide you with the same capabilities and resources, to serve you with passion and an unwavering commitment to quality.

Jessica will be supported by **Chris Towne, PE**, a senior technical advisor. Chris has 26 years of experience serving local municipalities on a wide range of design projects and has the availability to assist the team as a technical expert.

Jessica and Chris will also be supported by a deep, local, technical team. This team is uniquely qualified to meet the schedule, address the County's needs, and leverage our corridor experience on CR-121 Phase I project. As your consultant, our goal **is to provide you with a seamless engagement of support staff and expertise** needed to achieve practical solutions which exceed the county's expectations. Our team has the expertise, drive, and resources to work as a cohesive unit with Nassau County to help ensure your projects are completed to your specifications. Kimley-Horn is committed to providing you with the level of service and quality the County deserves.

Delivery and Approach

Our core project approach will be to focus on the development of a cost-efficient design for the pavement rehabilitation of the existing two-lanes of CR-121, from CR-119 to US-1. Kimley-Horn is unmatched in our understanding of the pavement performance and deterioration issues that were the catalyst to receiving the grant from FDOT. ***The key for this project's success is the efficiency of time and cost savings associated with the knowledge and understanding we have of existing conditions and the needed pavement improvements for the County's consideration.*** Our team will evaluate existing roadway and drainage conditions and conduct a safety study to evaluate existing conditions against current "FDOT Greenbook" criteria. The goal of this project will be to establish necessary pavement improvements, maximize the use of available funding, and achieve the best possible result for the County.

References

We are experienced in serving local governments like Nassau County. Kimley-Horn works with local governments across Florida as one of our primary areas of practice. We understand that our local government clients need excellent product deliverables and services from engineering consultants. From our office in Jacksonville, our team is immediately available and will be responsive to provide you with the same excellent client service and quality of deliverables our municipal clients in north Florida have come to expect from us. We are honored to submit excellent references from your peers in the industry in Tab 6.

Current Workload

We can deliver results. Kimley-Horn understands the County's need for an engineering consultant who can oversee every aspect of a design project from conception through construction – and a consultant that has adequate depth and bandwidth. We have evaluated our current workload and have adequate availability and the right resources in place. With our completion of the Phase 1 corridor reconstruction design plans in November of 2024 we will be able to seamlessly transfer our current design team to this project. We regularly plan workload and availability as our client's needs and schedules change – ***we have the depth of local resources in our other North Florida offices to flex and deliver.***

We have successfully managed all aspects of the planning, engineering, design, bidding, and construction process for CR-121 in Phase 1 and look forward to the opportunity to continue serving Nassau County on the pavement rehabilitation of the remainder of the CR-121 corridor.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.



Jessica Novak, PE
Project Manager



Chris Towne, PE
Senior Technical Advisor



George Roland, PE
Associate

George Roland, PE is a representative of Kimley-Horn in the Jacksonville office located at 12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258 and is authorized to legally bind the firm.



TAB 2

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TAB 3

Firm Experience and Qualifications



TAB 3 – FIRM EXPERIENCE AND QUALIFICATIONS

Kimley-Horn has all the ingredients of a successful consultant firm—a proven record of client service, adaptability, versatility, and responsiveness. Our approach gives our clients the best of both worlds—the resources of a large, nationally-ranked firm and the personal attention and response of a small dedicated professional team.

Kimley-Horn is a full-service, multidisciplinary consulting firm founded in 1967 in Raleigh, North Carolina by Bob Kimley and John Horn—two senior engineering professors at North Carolina State University. In the ensuing 57 years, the firm has expanded both geographically and in the variety of planning, engineering, and environmental services that it provides.

Structure

Kimley-Horn is a privately held corporation, fully owned by individuals who are current employees of the firm. Our employee owners are the sole stockholders of the company and are the professionals who directly serve our clients. The operations of the firm are not influenced by non-employee owners whose interests may conflict with client service. Since ownership is spread throughout key professionals, and no single individual or small group owns controlling interest of the firm, the company is positioned for long-term stability.

Philosophy

At Kimley-Horn, we do things differently. **People—clients and employees—are at the forefront of our business.** Our culture is an essential part of who we are. It's what makes Kimley-Horn a special place not just to work, but to grow and thrive. Kimley-Horn is recognized for the outstanding work of their consulting staff, the quality of their work environment, and their stature as a business enterprise. The firm's successful peer recognition has been accompanied by a commitment to providing responsive client service, pursuing continuous quality improvement, and operating as a business-based practice.

Location

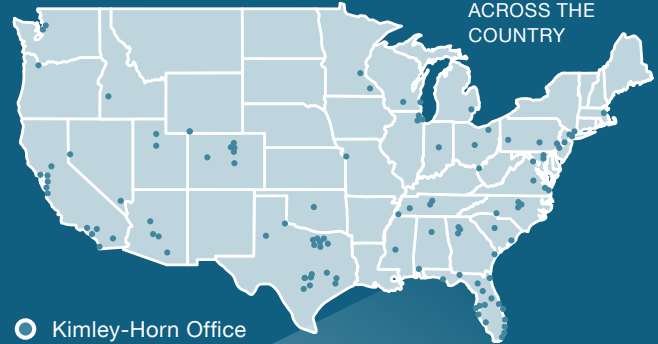
Kimley-Horn's Jacksonville office will be the primary location handling the production of work for this project, thanks to its close proximity and the expertise of our local staff. Situated less than 50 minutes to the start of the project site at CR-119 and CR-121 our Jacksonville office is ideally positioned to serve the needs of this project. We will also provide expertise from our Gainesville and Orlando offices. This team is well-qualified and available to meet the needs of this project.

57 Years in Business

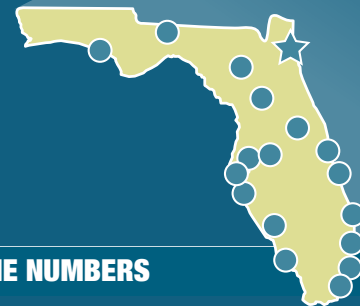
25 Years in North Florida

OFFICE LOCATIONS

130+
OFFICES
ACROSS THE
COUNTRY



○ Kimley-Horn Office



BY THE NUMBERS

130+ Offices Nationwide

20 Offices in Florida

8,700+ Employees Nationwide

1,600+ Employees in Florida

400+ Employees in South Florida Offices

KIMLEY-HORN'S LOCAL OFFICE

12740 Gran Bay Parkway West
Suite 2350
Jacksonville, FL 32258

NOTEWORTHY

**2024
ENR
RANKINGS**

#5 of Pure Design Firms

#7 for Transportation

#10 of Top 500 Design Firms



The close proximity of our Jacksonville office and the experience serving Nassau County for Phase 1 translates to a project manager and team that will deliver the dedicated responsiveness and personal communication Nassau County has come to expect from Kimley-Horn.

Awards

Here are just a few of our recent success stories:

- Kimley-Horn is regarded as an industry leader by Engineering News-Record (ENR), where we rank #10 on their list of the country's Top 500 Design Firms.
- 2024 marked our 17th year on the on FORTUNE's "100 Best Companies to Work For" list.

Our history with clients in Florida has demonstrated our ability to assemble a diverse team of in-house professionals from our local offices throughout the state. We have local and regional experience with team members who have extensive knowledge of the area's roadway issues. Our size, diversity, and depth of staff allows us to pull together the right talent and experience to serve our clients effectively on all phases of projects, from planning and community involvement to coordination with Nassau County, FDOT, and other agencies, as well as design and construction.



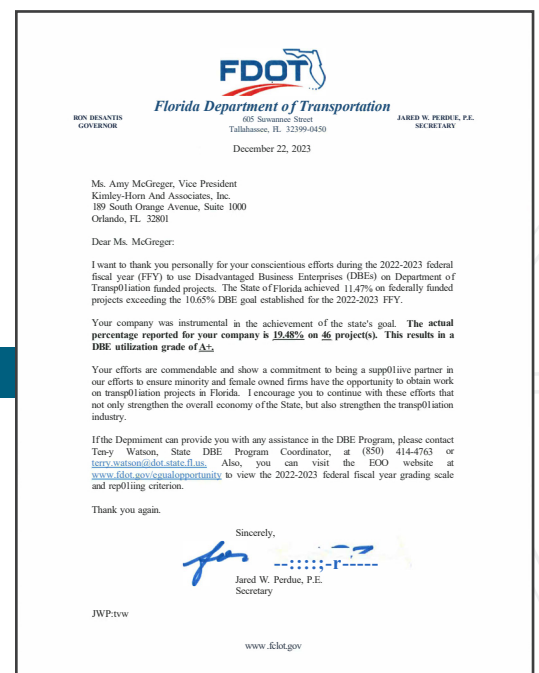
Minority Business Enterprise

Kimley-Horn is not a minority business enterprise (MBE) and does not have DBE/SBE status. However, Kimley-Horn has a company policy of meeting or exceeding our clients' minority business participation goals. Through corporate policies and philosophy, our firm actively seeks to encourage and promote the use of disadvantaged firms. Kimley-Horn's commitment to these goals is shown in the matrix below with data pulled from the last 5 years. Our current DBE utilization Grade from the FDOT is 19.48% on 46 project(s) for the FYY 2022-2023 with a grade A+ score.

DBE/MBE PARTICIPATION

Kimley-Horn has added Environmental and Geotechnical Specialists, Inc. (EGS) a local MBE/DBE and will provide Geotechnical services.

\$400
Million in
the last
5 years



Experience on Similar Projects

Kimley-Horn has a long history of being a successful consultant to local government clients. We have served more than 200 cities, counties, and local government clients throughout Florida. Throughout the firm's growth, we have come to appreciate the value and importance of remaining true to our roots as a small firm AND focusing our attention on our local clients and providing them with the personalized and responsive service they expect. We pride ourselves in our ability to tailor comprehensive engineering services to our clients' needs.

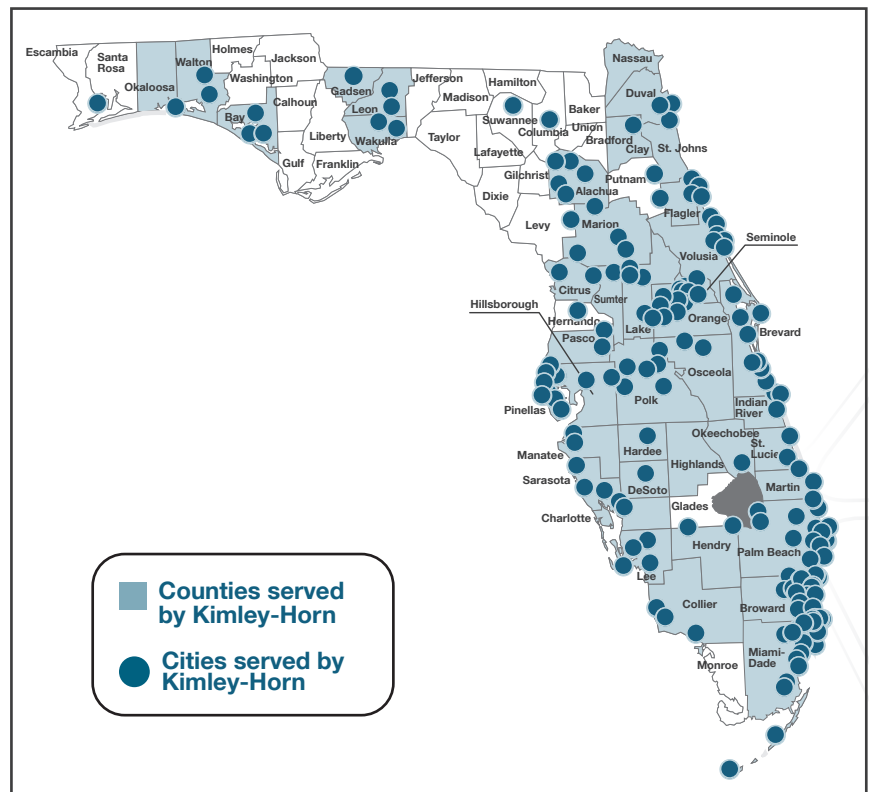
Our history providing services with clients in Florida has demonstrated our ability to assemble a diverse team of in-house professionals from our local offices throughout the state. The firm's in-house services include:

THE FIRM'S IN-HOUSE SERVICES INCLUDE:

- | | | |
|---|---|----------------------------------|
| ➤ Roadway design | ➤ Parks and recreational facility design | ➤ Access and circulation studies |
| ➤ Drainage/stormwater design | ➤ Site civil engineering | ➤ Traffic impact analysis |
| ➤ Signalization study/design | ➤ Environmental services/permitting | ➤ Parking planning and design |
| ➤ Bicycle/pedestrian studies | ➤ Surveying/platting | ➤ Utilities |
| ➤ Safety studies | ➤ Transportation planning and traffic engineering | ➤ Stormwater management |
| ➤ Data collection, evaluation, and analysis | ➤ Pavement management/maintenance studies | ➤ Public involvement programs |
| ➤ Landscape architecture/streetscape design | | ➤ Bridge design/inspection |

From our Jacksonville office we are able to serve clients with engineers who have local expertise and an understanding of the area's roadway issues. This is the benefit of choosing Kimley-Horn.

We have local and regional experience with team members who have extensive knowledge of providing roadway design. Our size, diversity, and depth of staff allows us to pull together the right expertise and experience to serve Nassau County on this project. In addition to our projects found in Tab 6 References, on the following page is a sampling of our additional roadway expertise provided by the team we have shown in Tab 4 of this proposal.



PROJECT	CLIENT	SERVICES PROVIDED
NE 149th Street Resurfacing	Union County	Resurfacing improvements, detail limits and construction details, cross sections to be developed at 500-foot intervals, signing and pavement marking, and utility adjustments
CR 210 Widening – Phase I	St. Johns County	Alternative alignment study, roadway design analysis, drainage design analysis, roadway plans, drainage plans, geotechnical services, environmental with wetland delineation, and survey/right-of-way
SR5A Resurfacing	Florida DOT District Two	Drainage improvements, sidewalk, signalization upgrades for vehicle detection, and installation of RRFBs at uncontrolled pedestrian crossings
CR 208 Roadway and Bridge Replacement of the Town Branch Bridge	St. Johns County	Roadway modifications, drainage improvements, MOT, and structural design to replace an existing 2-lane bridge
CR 238N from NE 111th Way to CR 229N	Union County	Pavement design, typical sections cross sections, traffic control, Storm Water Pollution Prevention Plan (SWPPP), and signing and pavement marking plans
Full-Depth Reclamation (FDR) of NW 32nd Avenue from NW 186th Street to CR 241	Alachua County	Two-lane roadway with paving driveways to the right-of-way line, extending or replacing cross drains to outside of clear zone, and installing mitered end sections for existing side drains
Resurfacing of CR 229N from SR 121 to Baker County Line	Union County	Resurfacing CR 229N from SR 121 widening lanes and cross slope corrections
SW 63rd Drive Widening and Resurfacing from CR 18A to CR 231A	Union County	Pavement design, typical section development, traffic control plans, signing and pavement marking with design standards, and ROW, Utility, and Railroad Certification Forms through FDOT
CR 210 West from I-95 to C.E. Wilson Road Roadway Widening	St. Johns County	Roadway/drainage design analysis, plans, environmental and wetland delineation, and survey/right of-way
SR 121 Intersection Improvements	Florida DOT District Two	Roadway improvements, design services for signalization and lighting design and utility relocation coordination services

Why Kimley-Horn?

We are invested in this team. We have a high level of **responsiveness** and open **communication** between all parties involved, including the engineering design and construction teams, utility providers, County staff, commissioners, and residents and business owners is essential. Communication is essential to managing schedules, budgets, and ensuring the project meets the needs of stakeholders.

Staff Continuity from planning to construction is a must. Kimley-Horn prides itself on being a great place to work—this is fundamental to staff continuity on our projects, particularly where teams are anticipated to work together for multiple years. Our same team of professionals will stick with you from Phase 1 into Phase 2 through design and construction. Kimley-Horn has also utilized our teaming partners on this assignment and have selected this team based on the quality of their services, responsiveness, and successful project history. Similarly, we have partnered with SAM Survey and Mapping LLC (SAM) and Environmental and Geotechnical Specialists, Inc. (EGS). This continuity of team members through the entire project life cycle prevents steep learning curves and potential misinterpretations of design intent. We are invested in your success.

TAB 4

Staff Qualifications and Project Team





TAB 4 – STAFF QUALIFICATIONS AND PROJECT TEAM

We have numerous professionals on our team with diverse experience, skilled in their professional specializations with the educational backgrounds and capability to handle complex multidisciplined projects. These professionals will rely on this wealth of experience accumulated over the many years of serving clients to make the most informed day-to-day decisions on the details of this project for the County and your staff.

Our team has been serving Nassau County in this capacity for two years. Jessica, Chris, and Earl have worked together for the last five years designing roadways of various complexity from rural milling and resurfacing to multi-lane urban widening projects. We are familiar with the particular preferences and priorities of Nassau County staff. The Jacksonville roadway team has a total of eight members, all familiar with and involved in the design of CR-121 from the Duval County Line to CR-119. Between Jessica's project experience and knowledge of Nassau County and Chris's experience with rural counties in North Florida, this team is well prepared to exceed the expectations of both the Nassau County staff and the local residents that frequently use the CR-121 corridor.

Jessica Novak, PE | PROJECT MANAGER; LEAD ROADWAY DESIGN/ENGINEER-OF-RECORD (EOR)



Jessica will serve as our team's Project Manager and point of contact. She will supervise and be responsible for daily project activities. Jessica will serve as the lead roadway design engineer and EOR. She has served in this capacity on a number of projects and most recently has been serving Nassau County on Phase 1 of CR-121 in the same role. Her experience with the design and management of complex transportation infrastructure projects includes roadway widenings, pavement rehabilitation, intersection improvements, roundabout design, Complete Street designs, lane repurposing, shared-use paths, and drainage infrastructure improvement projects. Jessica has a comprehensive understanding of each component of this project, allowing her to anticipate challenges and to develop realistic solutions to address all project goals. Jessica's primary focus is on delivering a successful project that meets Nassau County's goals.

Chris Towne, PE | SENIOR TECHNICAL ADVISOR



Chris is an experienced project manager in Kimley-Horn's Gainesville office, bringing over 28 years of expertise to his role. He excels in project management, client relations, design, technical staff supervision, and daily office operations. Chris has an extensive background in civil engineering, having contributed to a wide range of projects including roadway, bridge, airport, structural, drainage, water, sanitary sewer, and site civil design. Chris understands how to manage the contract, accelerate schedules, communicate budget constraints, and offer solutions to unintended challenges. His role and years of experience provide the team with the insight and vision to make each project a success. His diverse expertise enables him to approach projects with a multidisciplinary perspective, working on each task with a trained eye. Chris has successfully collaborated with Flagler, Bradford, Levy, Alachua, Union, Sumpter, and Marion Counties, City of Gainesville, University of Florida, Community Redevelopment Agencies, and other local municipalities.

Earl Wills, PE | QUALITY CONTROL/QUALITY ASSURANCE



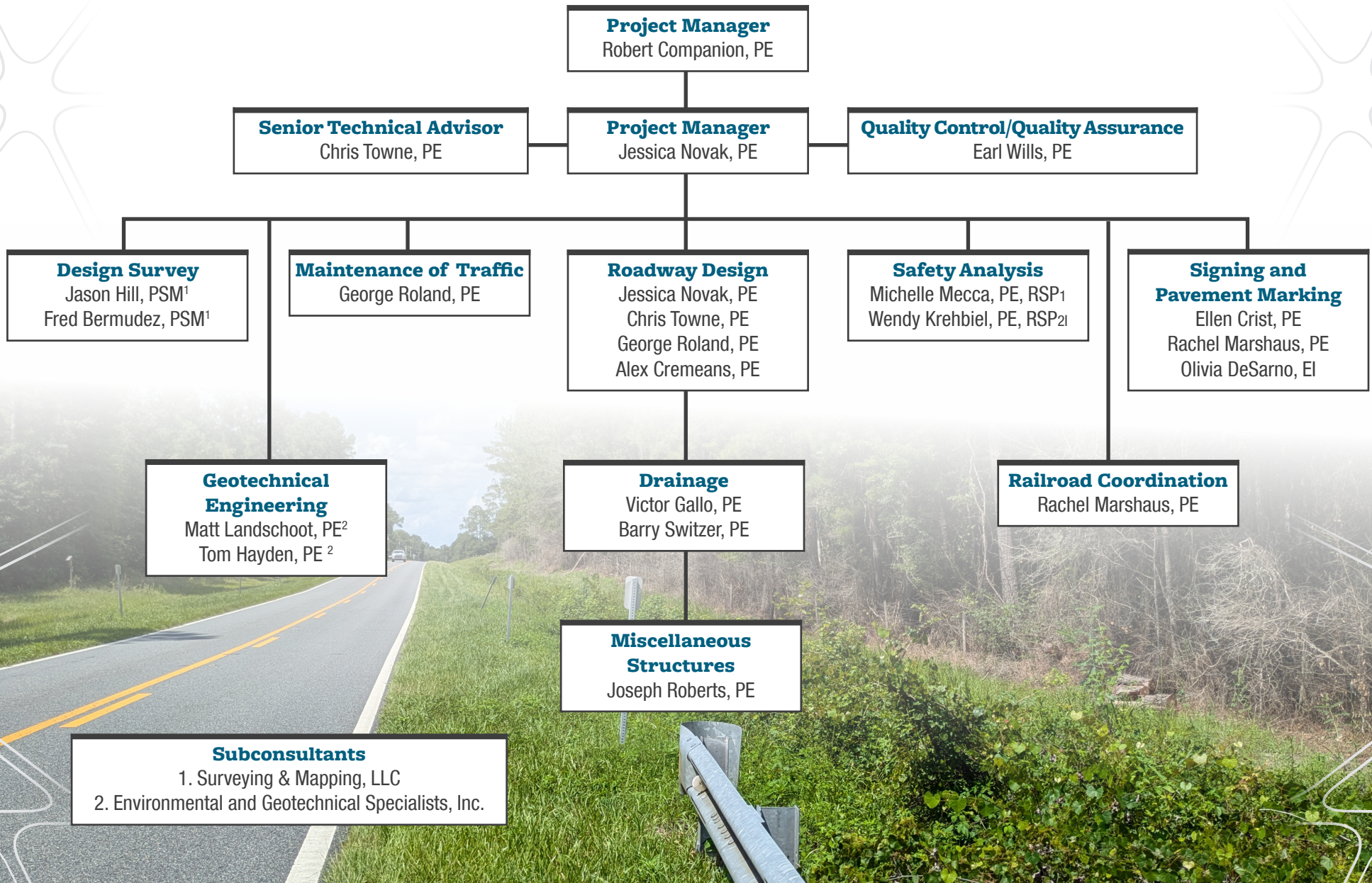
Earls' expertise spans more than 35 years of professional management and design of roadway projects for with a specific focus on clients in north Florida and work with FDOT. His experience ranges from the management of small design contracts for local municipalities to the management and design of major arterial highway reconstruction contracts. Earl's experience and expertise includes public involvement, roadway design, maintenance of traffic, and construction cost estimating. He also specializes in the design and permitting of stormwater management systems for roadway projects and has successfully negotiated complex permits for various clients. Earl served as the original project manager for the Phase I project and as such is most qualified quality control for this Phase II project. Earl has a thorough understanding of client expectations and the willingness to provide input motivated toward a successful project. Although formally retired, Earl is maintaining his professional license and has continued to serve clients on an as-needed basis as a contractor for Kimley-Horn.

TEAM ORGANIZATION

We have organized a core team of practiced professionals to provide a high level of responsiveness to Nassau County, in terms of exceptional local interaction and support, and extensive technical experience in the disciplines you require. Our employees are sincere, reliable, and professional with the drive and motivation to initiate innovative methods and solutions to your requests. Our current work with Nassau County for CR-121 between the Duval County line and CR-119 has provided a unique perspective for our team to prepare for this RFQ. Under Jessica's guidance this team has worked together to formulate a plan of approach, strengthen our understanding of existing conditions and orient the team to an understanding of the work at hand. Our preparation has included the ability to "look ahead" to Phase II of this roadway, to weigh our understanding of the County's needs, potential challenges, areas of innovation, and value saving efficiencies. Our tight-knit team has close working relationships with one another, which strengthens our ability to produce fast results.

Kimley-Horn recognizes the importance of establishing a proven staffing plan at the onset of the project. We are confident that we can meet the technical and workforce needs anticipated for this contract.





Jessica Novak, PE

Project Manager

Value to Nassau County

- » Leveraging her knowledge and experience as project manager and engineer of record for CR-121 from the Duval County Line to CR-119
- » Jessica is a lead roadway design engineer and Engineer of Record (EOR) for resurfacing and reconstruction projects in north Florida
- » Has 11 years of experience in design and preparation of roadway construction plans, including roadway geometrics, pavement design, intersection design, signalization plans, signing and marking plans, and traffic control plans

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Project manager, EOR. Managing the project team that was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

CR 470 Improvements Phase 1S, The Villages, Sumter County, FL — Assistant project manager, EOR. Sumter County and The Villages selected Kimley-Horn to design the widening of CR 470 from two to four lanes to accommodate the tremendous growth in the area. The expansion of CR 470 is approximately 0.5 miles long, just west of the Lake County line and involves both expanding on the existing alignment and a new alignment.

Bexley Trail Phase 3, The Villages, Sumter County, FL — Assistant project manager, EOR. Responsible for completion of final roadway plans for construction. Sumter County and The Villages selected Kimley-Horn to design a one-mile segment of new four-lane divided roadway to accommodate the growth in the area.

CR 238N Widening and Resurfacing, Union County, FL — Project engineer. Responsible for the roadway design. Kimley-Horn was selected by the Union County Public Works department to provide survey, permitting, design, and minimal construction phase services for this 1.6 mile widening and resurfacing of CR 238N from SR 100 to NE 111th Way. The roadway design will be prepared according to applicable FDOT design standards and specifications. In addition to roadway design of typical and cross sections, Kimley-Horn will adhere to maintenance of traffic (MOT) requirements for the construction of this project using FDOT Standard Plans and compile additional erosion control measures that may be needed depending on site conditions.

ADDITIONAL PROJECT EXPERIENCE

- **CR 2006 Resurfacing, Bunnell, FL** Project engineer.
- **CR 238N Widening and Resurfacing, Union County, FL** — Lead roadway engineer.
- **Old Moultrie Road (County Road 5A) from Lewis Point Road to State Road 312, St. Johns County** — Lead roadway engineer.
- **SR 10 from Brookview Drive to Kernan Boulevard, FDOT District Two, FL** — Project engineer.
- **SR 13 (San Jose Blvd) and SR 109 (University Blvd) Signal Upgrades and SR 15 Lighting Design, FDOT District Two, Jacksonville, FL** Project engineer.



Education

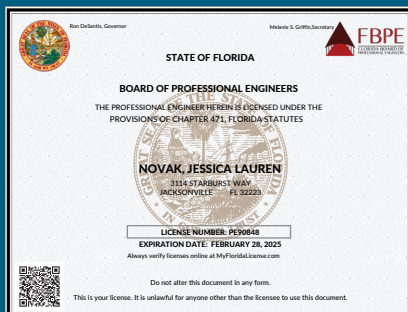
- Bachelors, Civil Engineering, University of Florida

Professional Registration/Affiliations

- Professional Engineer in Florida, #90848
- Women's Transportation Seminar (WTS)

Contact Information

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- ✉️ jessica.novak@kimley-horn.com
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Christopher Towne, PE

Senior Technical Advisor, Roadway Design

Value to Nassau County

- » As a mentor and senior technical advisor Chris offers 28 years of experience in project management, client relations, design, technical oversight of staff, and day-to-day office operations with a multi-disciplined approach
- » Expertise in diverse civil engineering projects, including roadway, bridge, airport, structural, drainage, water, sanitary sewer, and site civil design
- » Proficient in anticipating challenges and finding solutions for roadway design

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Senior technical advisor. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

SW 63rd Drive Widening and Resurfacing, Union County, FL — Project manager for design and plans production services associated with this 1.0-mile rehabilitation project for the Union County Board of County Commissioners. Permitting assistance for the County included the ROW Certification, Utility Certification, and Railroad Certification Forms through FDOT. Additional services performed by Kimley-Horn included pavement design, typical section development, traffic control plan, signing and pavement marking, and construction phase services.

NW 32nd Ave Full Depth Reclamation from CR 241 to NW 186th Street, Newberry, FL — Project manager. Kimley-Horn was retained to prepare roadway construction plans to mill and resurface 2.5 miles of NW 32nd Avenue from NW 186th Street to just west of CR 241. Other elements included: Superelevation Cross-slope correction; Design exceptions for sub-standard horizontal curve; Pave driveways; Replace side-drain pipes; Extend cross-drain pipes; Shoulder construction; Drainage improvements; Utility coordination; Suwannee River Water Management District permitting; and Construction Administration services.

CR-470 Improvements, Phase 1L, The Villages, Lake County, FL — Project manager, EOR. Lake County and The Villages selected Kimley-Horn to design the widening of CR 470 from two to four lanes to accommodate the tremendous growth in the area. The expansion of CR 470 is approximately 0.5 miles long, just east of the Sumter County line. The design included modifications to the vertical profile, pavement design, two tunnels, two signalized intersections, and proposed utilities.

ADDITIONAL PROJECT EXPERIENCE

- **NW 23rd Avenue Resurfacing, Gainesville, FL** — Project manager.
- **University of Florida 642 SW Campus Improvements, Gainesville, FL** Project engineer.
- **Alachua County Engineering Services for Miscellaneous Transportation Itemized Projects, Alachua County, FL** — Project manager.
- **CR 219A Full Depth Reclamation from US 3, Alachua County, FL** Project manager.
- **University of Florida 642 SW Campus Improvements, Gainesville, FL** Project engineer.
- **High Springs - NW 184th Road On-Street Parking, High Springs, FL** Project manager.

Education

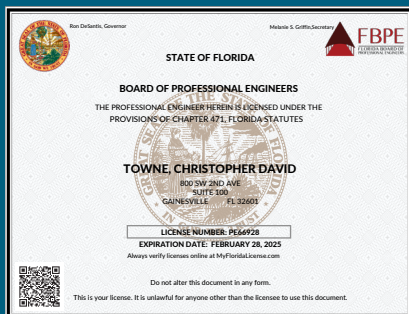
- Bachelors, Civil Engineering, Virginia Polytechnic Institute State University

Professional Registration/ Affiliations

- Professional Engineer in Florida #66928
- Advanced Workzone Traffic in FDOT #87977

Contact Information

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- ✉ chris.towne@kimley-horn.com
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Earl Wills, PE

Quality Control/Quality Assurance

Value to Nassau County

- » Although retired, Earl continues to serve clients on an as-needed basis
- » Earls experience spans 40 years and ranges from the management of small design contracts for local municipalities to the management and design of major arterial highway reconstruction contracts for FDOT
- » Earl leverages his knowledge of project management and design expertise to provide a high level of Quality Control
- » His design and permitting of stormwater management systems for highway projects and has successfully negotiated complex permits for various clients with both the St. Johns River Water Management District and the South Florida Water Management District

Education

- Bachelor of Science, Civil Engineering, University of Akron

Professional Registration/ Affiliations

- Professional Engineer in Florida, #44194 Advanced Traffic Control Design, FDOT
- Specifications Training, FDOT
- Long Range Estimate (LRE) Training, FDOT
- PSMJ Project Management
- American Society of Highway Engineers (ASHE)

Contact Information

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RELEVANT PROJECT EXPERIENCE

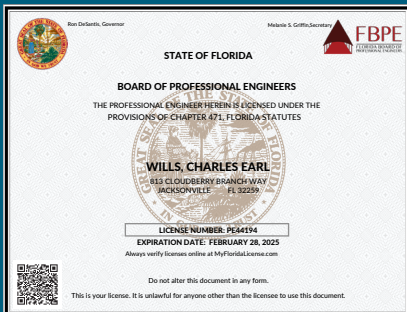
Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Former project manager and EOR. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

SR 121 Intersection Improvements, FDOT District Two — Project manager for roadway, signalization and lighting improvements in Alachua County based on the needs identified in a separate safety study. Improvements to add traffic capacity to the northbound SR 121 and westbound SR 26A approaches in response to a significant rear-end crash history. Existing mast arm signal structures at two intersections were structurally analyzed to determine if additional loading capacity was available to accommodate new signal head configurations. Upgraded lighting was also included to match the multiple existing luminaire types along different roadway sections in adherence to the Gainesville Regional Utilities standards.

SR 5A Resurfacing, FDOT District Two — Project manager providing professional engineering and plans production services for the milling and resurfacing of SR 5A from north of King Street to SR 16 (Picolata Road) in St. Johns County. The project also included drainage improvements, sidewalk, signalization upgrades for vehicle detection, and installation of RRFBs at uncontrolled pedestrian crossings through downtown historic St. Augustine. Drainage improvements were made to replace existing drainage outfall pipes with backflow preventers to mitigate storm surge. Additionally, the existing on-street parking was inventoried to remove non-compliant spaces that interfered with sight distance at intersections and also to allow for construction of bulb outs at the RRFB locations. The signalization upgrades were completed within very constrained R/W.

ADDITIONAL PROJECT EXPERIENCE

- **Atlantic Boulevard/Southside Boulevard Intersection Improvements, Jacksonville, FL** — Project engineer.
- **SW 42nd Street Flyover (SR 200 to SW 27th Avenue), Ocala, FL** — Project manager.
- **SW 91st Street, Alachua County, FL** — Project engineer.
- **Peoria Road (CR 224A)/College Drive Intersection Improvements, Green Cove Springs, FL** — Chief engineer.





George Roland, PE

Maintenance of Traffic, Roadway Design

Value to Nassau County

- » George brings 28 years of professional design experience in the management and design of roadway and transportation projects
- » Experience ranges from small design projects (such as turn lane additions) to large roadway widening projects (such as widening from two to six lanes) in rural communities
- » Specializes in the planning, design, permitting and construction observation of roadway projects of all sizes and has help guide clients through public and private utility relocations
- » Provides expert witness services for eminent domain court cases for public clients. Services have included plan review and recommendations for cures, depositions and trial support

Education

- Masters, Civil Engineering, Florida State University
- Bachelors, Civil Engineering, Florida State University

Professional Registration/Affiliations

- Professional Engineer in Florida, #62338
- American Society of Civil Engineers (ASCE)

Contact Information

- 📞 904.828.3929
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RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Maintenance of traffic EOR. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

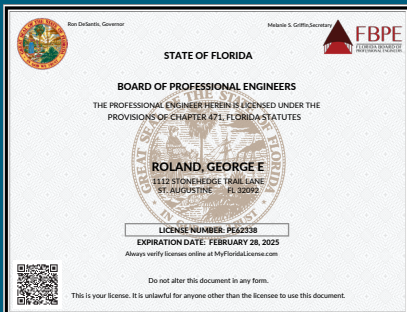
Cecil Connector Road – Phase 2 (Copper Ridge Road), Duval County, FL Project manager for roadway design. Kimley-Horn designed roadway improvements from the intersection of Branan Field Road/Cecil Connector Road intersection to the north entrance of the Copper Ridge subdivision, approximately 0.58 miles. The typical section of the roadway consisted of 4- 11 ft lanes, 17 ft median, 12 ft multiuse trail, 6 ft sidewalk, and a closed drainage system.

SR 5A Resurfacing from King Street to SR 16, FDOT District Two, St. Johns County, FL — Project engineer. Kimley-Horn is providing professional engineering and plans production services for the milling and resurfacing of State Road (SR) 5A from north of King Street to SR 16 (Picolata Road) for the County of St. Johns. The project also includes drainage improvements, sidewalk, signalization upgrades, and the installation of Rapid Rectangular Flashing Beacon (RRFB)s at uncontrolled pedestrian crossings through downtown historic St. Augustine.

Central Parkway Phase 1, The Villages, Sumter County, FL — Roadway engineer. Sumter County and The Villages selected Kimley-Horn to design the widening of CR 470 from two to four lanes to accommodate the tremendous growth in the area. The expansion of CR 470 is for approximately three miles and involves both expanding on the existing alignment and a new alignment. The design includes a signal, four roundabouts, and two tunnels.

ADDITIONAL PROJECT EXPERIENCE

- **SW 63rd Drive Widening and Resurfacing, Union County, FL** Project engineer.
- **CR 238N Widening and Resurfacing, Union County, FL** — Project engineer
- **SE 8th Avenue Widening and Resurfacing, Union County, FL** Project engineer.
- **I-75 (SR 93) from Marion County Line to South of SR 121, FDOT District Two, FL** — Project engineer.
- **Northeast Gateway Phase 1/ Welaunee Road PDE Study, Tallahassee, FL** — Team member.



Alex Cremeans, PE

Roadway Design

Value to Nassau County

- » Alex is a professional engineer with six years of experience with specialized emphasis in roadway design engineering
- » Alex has additional expertise in foundation design, geometric design, and stormwater analysis/design
- » Alex leverages his knowledge of software including his proficiency in AutoCAD, Civil 3D, and MicroStation

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Lead roadway design engineer. Led the 3D modeling and roadway design elements, including guardrail design, pavement design, and vertical alignment. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

SR 263 (Capital Circle SW) from Springhill Drive to SR 371 (Orange Avenue) Multi-Lane Reconstruction, FDOT District Three, FL — Roadway engineer. Kimley-Horn is providing a full range of roadway design services for this four-mile section of SR 263. Our tasks include public involvement, traffic analysis, maintenance of traffic, erosion control, signing and pavement marking, as well as stormwater management, design, and permitting. This segment of SR 263 is a strategic intermodal system (SIS) facility and will complete the Capital Circle roadway improvement between I-10 and the entrance to the Tallahassee Regional Airport.

The Villages, Central Parkway, Phase 1 (County Road 470) Improvements, The Villages, FL — Project engineer. Sumter County and The Villages selected Kimley-Horn to design the widening of CR 470 from two to four lanes to accommodate the tremendous growth in the area. The expansion of CR 470 is for approximately three miles and involves both expanding on the existing alignment and a new alignment. The design includes a signal, four roundabouts, and two tunnels.

CR 361 over Clearwater Creek Bridge (No. 380040) Replacement PD&E and Design, FDOT District Two, Taylor County, FL — Served as a roadway engineer. Responsible for developing the design documentation report by providing a general summary of the key components of the design with FDOT current design standards. Assembling an appendix of supporting information to be referenced in design document. The study includes the evaluation of the flow of Clearwater Creek in the areas as well as the future hydraulic needs. In addition, existing and future traffic is considered to determine to develop replacement options. Replacement options are developed and evaluated for impacts to the natural and social environment, as well as the feasibility for maintaining traffic and constructability.

ADDITIONAL PROJECT EXPERIENCE

- **SR 826 Palmetto Expressway from N Canal C-8 Bridge 162 Street to East of NW 67 Avenue, FDOT District Six, Miami Lakes, FL** — Project engineer.
- **Districtwide Traffic Operations Studies, FDOT District Two, FL** Project engineer.



Education

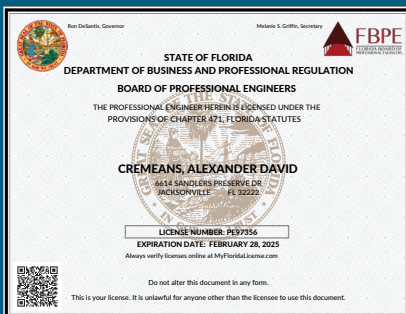
- Bachelors, Civil and Environmental Engineering, University of Texas, Arlington

Professional Registration/Affiliations

- Professional Engineer in Florida, #97356

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Michelle Mecca, PE, RSP1

Safety Analysis

Value to Nassau County

- » Michelle's 31 years of experience have been focused on transportation projects, including signal design, traffic engineering studies, and planning studies with a focus on safety
- » Her expertise providing safety and traffic operations analysis, including crash analysis, qualitative assessments, safety and operational studies, alternative intersection control, countermeasure selection, preparation of benefit-cost analysis reports, traffic signal design, utility coordination, and specifications
- » Michelle has performed more than 100 traffic safety studies in Florida Has served the FDOT District Two the past 20 years as the project manager for the Districtwide Traffic Safety Studies Consultant with three renewals

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Design traffic EOR. Led the design traffic study that was used to determine the proposed pavement design. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase services for the reconstruction/resurfacing of 7.5 miles of CR-121. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

CR 210 at Roscoe Boulevard Traffic Signal Design, Ponte Vedra, FL — Project manager. Kimley-Horn was selected by St. Johns County for the design of a new traffic signal at the T-intersection of CR 210 (Palm Valley Road) at Roscoe Boulevard. The design will include mast arms with at least one structure requiring a custom foundation to account for the beginning of grade separation approaching the Intracoastal Waterway bridge. Improvements also include minor roadway work for sidewalk improvements, removal of an existing mid-block crosswalk for replacement as a signalized intersection crosswalk, signing and pavement markings, and new signalized intersection lighting.

SR 13 (San Jose Blvd) and SR 109 (University Blvd) Signal Upgrades and SR 15 Lighting Design, FDOT District Two, Jacksonville, FL — Project manager. Kimley-Horn is designing updates for 13 traffic signals across SR 13 (San Jose Blvd) and SR 109 (University Blvd). The SR 13 project upgrades seven intersections from Julington Creek Road to Mandarin Road, adding flashing yellow arrows, back plates, and extra signal heads. The SR 109 project covers six intersections from Los Santos Way to Merrill Road, including fiber optic interconnects and new overhead school zone flashers. Additionally, the SR 15 component involves designing and installing LED lighting along nearly 3 miles of roadway due to high nighttime crash rates. The total project cost is \$1.4 million.

ADDITIONAL PROJECT EXPERIENCE

- **Districtwide Traffic Safety Studies, FDOT District Two, FL** — Project manager.
- **The Villages Civil Engineering, Traffic Engineering, and Transportation Planning Services, The Villages, FL** — Project engineer.
- **I-295/Blanding Boulevard Interchange, FDOT District Two, Jacksonville, FL** — Project engineer.
- **CR 466 Widening, Sumter and Lake Counties, FL** — Project engineer.
- **Christ Church UMC Site Master Plan Mill Creek, FL, St. Johns County, FL** — Project engineer.



Education

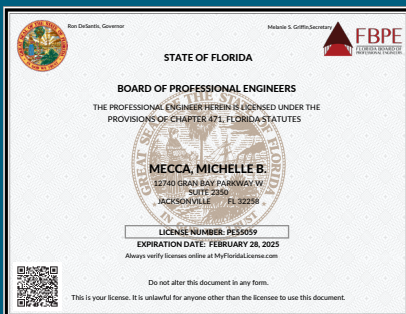
- Bachelors, Civil Engineering, University of Florida

Professional Registration/Affiliations

- Professional Engineer in Florida, #55059
- Road Safety Professional 1 Certification, #156
- International Municipal Signal Association
- Institute of Transportation Engineers (ITE)

Contact Information

- 📞 904.828.3925
- ✉ michelle.mecca@kimley-horn.com
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Wendy Krehbiel, PE, RSP2I, IMSA II

Safety Analysis

Value to Nassau County

- » Wendy has over 18 years of experience providing traffic operations and intersection analysis, including traffic signal design, utility coordination, safety and operational improvements, field review, and preparation of benefit-cost analysis reports
- » She is proficient with industry software, including MicroStation, GuidSIGN, Synchro, and HCS
- » Wendy has specialized experience with FDOT internal systems, including Trns*port, Mainframe, LRE, CARS, Specs on the web

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL

Design traffic engineer. Completed the design traffic study that was used to determine the proposed pavement design. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

I-95 at SR 200 (SR A1A) Diverging Diamond Interchange, FDOT District Two, Nassau County, FL — Project engineer for the design of three traffic signals along the corridor of SR 200 (SR A1A) east of I-95 being widened to a high-speed urban six-lane section. The interchange is being redesigned from a traditional diamond configuration to a diverging diamond configuration. Design traffic forecasting was performed for use in an Interchange Operational Analysis Report (IOAR) and a subsequent Interchange Modification Report (IMR) for submittal to FHWA. Microsimulation models were run for multiple scenarios to determine the ideal future geometry. The two signals at the interchange are being reconstructed and a new signal to the east at the entrance to the East Nassau Employment Center is being constructed. Two miles of fiber optic interconnect is also being designed to tie into adjacent projects and upgrade the communications from the existing wireless system.

Palm Valley Road at Roscoe Boulevard, St. Johns County, FL — Project engineer for the design of a new mast arm traffic signal at the unsignalized T-intersection east of the ICWW bridge. The design involved a custom mast arm foundation extended 15 feet above grade due to the bridge approach elevation; intersection lighting for new crosswalks; barrier wall reconstruction to accommodate a new sidewalk connection on the north side of the road; bridge-mounted signing replacements; and a new advanced warning sign beacon system for notification of the signal to traffic approaching from the elevated bridge deck.

ADDITIONAL PROJECT EXPERIENCE

- **Continuing Services for Traffic Operations Minor Design, FDOT District Two** — Project engineer.
- **St. Johns County Continuing Traffic Engineering Services, FL** — Project engineer.
- **SR 212 (Beach Blvd) from San Mateo Avenue/Walton Street to Linden/Schumacher Avenue Intersection Improvements, FDOT District Two** Project manager.
- **Roberts Road Improvement Study, FL** — Project engineer.



Education

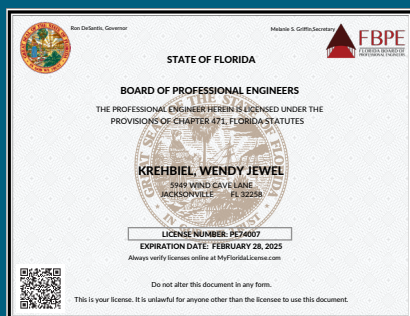
- Bachelors, Civil Engineering, University of Florida

Professional Registration/Affiliations

- Professional Engineer in Florida, #74007
- Traffic Signals II, #BE_95127
- FDOT Advanced Work Zone Traffic, #88020
- Road Safety Professional Level 2 - Infrastructure, #5
- Traffic Signals I, AA_95127, IMSA, Earned 08/08/2019
- Road Safety Professional Level 1, #102
- International Municipal Signal Association
- Institute of Transportation Engineers (ITE)

Contact Information

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Ellen Crist, PE

Signing and Pavement Marking

Value to Nassau County

- » Ellen has over seven years of experience as a civil engineer with the majority of her expertise in roadway, drainage, signing, and pavement marking design
- » Ellen is experienced with FDOT Design Standards, milling and resurfacing, widening, new construction, traffic calming, roundabouts, complete streets, trails, and roadway stormwater management for rural, urban, and interstate projects
- » Software experience includes MicroStation, Geopak, OpenRoads Designer, AutoCAD, AutoTurn, ICPR, HEC-RAS, Mathcad, Culvert Service Life Estimator, and FDOT Hydroplaning Software

Education

- Bachelors, Civil Engineering, Florida International University

Professional Registration/ Affiliations

- Professional Engineer in Florida, #92172
- Advanced Temporary Traffic Control, 76281, FDOT
- American Society of Civil Engineers (ASCE)

Contact Information

- 📞 904.479.3952
- ✉️ ellen.crist@kimley-horn.com
- 📍 12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL

Roadway design engineer. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

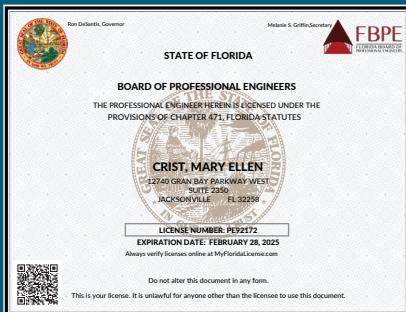
SR 5 (US1/Phillips Highway) from SR 152 (Baymeadows Road) to SR 109 (University Boulevard) FDOT District Two — Project engineer. Milling and resurfacing 3.65 miles of multi-line divided roadway including signal and ADA upgrades, as well as extensive drainage improvements. This project is currently under construction.

SR 222 (NW 39th Avenue) from NW 95th Boulevard to NW 40th Terrace, FDOT District Two — Task manager. Milling and resurfacing of 3.5 miles of multi-lane urban principal arterial roadway including ADA and existing signal system upgrades, turning radii improvements to correct truck off-tracking, addition of offset left turn lanes as a safety measure, installation of geosynthetic reinforcement and full mill depth for pavement rehabilitation, overbuild to improve driveway slopes, replacement of failing gravity wall, inclusion of an underdrain at the back of sidewalk to alleviate flooding, and enhancements to bus stop boarding and alighting areas. This project Let in February 2024.

SR 26 (Newberry Road) from West of CR 241 South to West of I-75 (SR 93), FDOT District Two — Task manager. Milling and resurfacing of 6.2 miles of multi-lane divided rural and urban principal arterial roadway including the addition of angled bicycle ramps onto sidewalk at bicycle lane termini, sidewalk drop-off hazard mitigation, ADA and driveway improvements, widening for offset left turn lanes, full depth pavement reconstruction, pedestrian lighting improvements, signalization upgrades, turning radii improvements to correct truck off-tracking, traffic monitoring site loop replacement, and traffic separator slots to accommodate drainage needed for offset left turn lanes. This project is on schedule for a December 2024 Letting.

ADDITIONAL PROJECT EXPERIENCE

- **SR 263 (Capital Circle SW) from Springhill Drive to SR 371 (Orange Avenue) Multi-lane Reconstruction, FDOT District Three** — Project engineer.
- **SR 924/119 Street/Gratigny from NW 27 Ave to NW 7 Ave, FDOT District Six** — Project engineer.
- **Lyons Road from Clint Moore Road to Atlantic Avenue, Boca Raton, FL** Project analyst.
- **Northeast Gateway - Welaunee Boulevard Phases I, II, & III, Tallahassee, FL** — Project engineer.



Rachel Marshaus, PE

Signing and Pavement Marking, Railroad Coordination

Value to Nassau County

- » Rachel has 12 years of experience in roadway design and transportation engineering
- » Rachel has prepared designs from conceptual level—looking at multiple options for high-level feasibility studies and final design and construction for traditional and alternative intersections
- » Her railroad crossing experience includes existing crossing closures, grade-separated crossings on existing and new location roads, and widening existing crossings

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL — Roadway design engineer. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

Martin Luther King Jr. Avenue Streetscape Improvements, St Augustine, FL Project manager. Kimley-Horn is preparing final construction plans, specifications, and probable construction costs for the City of St. Augustine for Martin Luther King Avenue from Cerro Street to Bridge Street through the Historic Lincolnville Community. This effort includes full reconstruction of the pavement within the existing 40' right-of-way for 0.7 miles and beautification of the roadway through hardscape designs. Kimley-Horn is preparing water and sewer design plans, signing and pavement marking plans, drainage design, lighting design, and utility coordination for undergrounding of all overhead utilities.

NCDOT Rail Division - P-5717, Cornwallis Road Grade Separation, Durham, NC — Project engineer. Kimley-Horn provided right-of-way and final plans for a grade-separated crossing of North Carolina Railroad (NCRR) and Miami Boulevard. To eliminate an at-grade crossing, 0.65 miles of Cornwallis Road will be elevated over the railroad and Miami Boulevard. The project includes roadway, structure, signal, and signal communication, hydraulic, and erosion and sediment control design; traffic control, pavement marking, and signing; utility coordination; geotechnical investigations and recommendations; and environmental permitting. The project includes a 54-inch Federal Emergency Management Agency (FEMA) crossing that requires an additional MOA.

NCDOT Rail Division - P-5720, Durant Road Grade, Durham, NC — Project engineer. Kimley-Horn designed the realignment of Durant Road in Raleigh to convert an at grade railroad crossing to a grade separated crossing. Services included roadway, hydraulics, structures, traffic control, and utilities. The bridge is a single span, 125-foot structure with prestressed concrete girders and integral end bents founded on steel H-piles.

SR 222 (NW 39th Avenue) from NW 95th Boulevard to NW 40th Terrace, FDOT District Two — Project engineer. Milling and resurfacing of 3.5 miles of multi-lane urban principal arterial roadway including ADA and existing signal system upgrades, turning radii improvements to correct truck off-tracking, addition of offset left turn lanes as a safety measure. Installation of geosynthetic reinforcement and full mill depth for pavement rehabilitation with overbuild to improve driveway slopes and inclusion of an underdrain at the back of sidewalk to alleviate flooding.

ADDITIONAL PROJECT EXPERIENCE

- **Thompson Nursery Road Extension, Winter Haven, FL** — Lead roadway designer.
- **SR 26 (Newberry Rd) from West of CR 241 South to West of I-75 (SR 93), FDOT District Two** — Project engineer.



Education

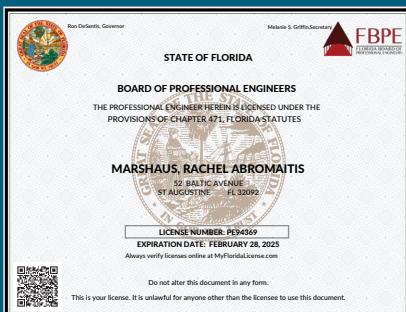
- Bachelors, Civil Engineering, Clemson University

Professional Registration/Affiliations

- Professional Engineer in Florida, #94369

Contact Information

- 📞 919.653.2952
- ✉️ rachel.marshaus@kimley-horn.com
- 📍 12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258



Olivia DeSarno, EI

Signing and Pavement Marking

Value to Nassau County

- » Has over 3 years of experience in roadway projects across Florida supporting the regional efforts of the local roadway design teams
- » Olivia is experienced with FDOT Design Standards, experienced with several districts and recent local municipalities

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL

Roadway design plans production. Led the plans production elements and performed the No Passing Zone study. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

MLK Ave Streetscape, St. Augustine, FL — Project analyst. Kimley-Horn is serving St. Johns County with planning and designing streetscape improvements to Dr. Martin Luther King Jr. Avenue. The objective is to reconstruct the existing road with an enhancement to the pedestrian corridor, existing road section, and utility replacement. This project will be completed in a multi-phase program based on incremental funding.

County Road 470 Improvements, The Villages, FL — Project analyst. Kimley-Horn is providing professional engineering services for a private client for the reconstruction of CR 470 from Sumter County line to Meggison Road. This project consists of reconstructing a rural two-lane road to a four-lane divided curb and gutter facility, along with a new two-lane bridge carrying westbound traffic over Florida's Turnpike. The total project length is 1.75 miles and includes roadway, structures, drainage, permitting services, signing and marking, signalization, and geotechnical elements.

Meggison Road Planning and Design, Sumter County, FL — Project analyst. Kimley-Horn is preparing design plans and permits for Meggison Road, from SR 44 to Warm Springs Avenue. As part of the design project, Kimley-Horn has prepared design traffic forecasts. The design traffic forecasts were utilized to develop a signal warrant and traffic operational analysis to support a new traffic signal at SR 44. Traffic forecasts were also utilized to develop the roadway typical section, pavement design, access management, and recommended intersection geometry and control at Warm Springs Avenue.

ADDITIONAL PROJECT EXPERIENCE

- **Bexley Trail Bridge over Florida's Turnpike, FL** — Project analyst.
- **CR 16A at Timberwolf Intersection Improvements, St. Johns County, FL** — Project analyst.



Education

- Bachelors, Civil and Environmental Engineering, University of Alabama

Professional Registration/ Affiliations

- Engineering Intern in Florida, #1100025199
- OSHA 10 Hour
- Roadway Technical Training Graduate

Contact Information

- 📞 904.544.7350
- ✉ olivia.deSarno@kimley-horn.com
- 📍 12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258



Victor Gallo, PE

Drainage

Value to Nassau County

- » Has 25 years of experience in drainage/stormwater design with specific expertise for rural and interstate projects across Florida
- » Victor leads design efforts for several FDOT Districts, counties, and municipalities
- » Has completed various cross-drain culvert designs for small waterways including channel modeling and bridge scour analysis and coordinates extensively with various Florida water management districts and environmental regulatory agencies to obtain construction permits

Education

- Masters, Engineering Management, University of South Florida
- Bachelors, Civil Engineering, University of South Florida

Professional Registration/Affiliations

- Professional Engineer in Florida, #75592
- Engineers Without Borders
- American Society of Civil Engineers (ASCE)

Contact Information

- 📞 407.982.3286
- ✉ victor.gallo@kimley-horn.com
- 📍 200 South Orange Avenue, Suite 600, Orlando, FL 32801

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL

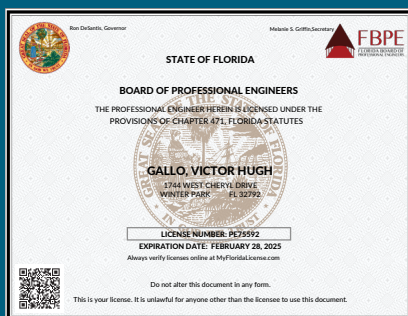
Drainage engineer. Quality Control for the drainage design team tasked with the hydraulic analysis of four existing culvert crossings, including two large box culverts and one bridge box culvert. Designed swale adjustments for the extension of three existing box culverts. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

CR 484 Widening, Ocala, FL — Project engineer. Kimley-Horn is providing design, permitting and bidding assistance services for the widening of CR 484 in Marion County. This project will widen and reconstruct CR 484 from Marion Oaks Pass to Marion Oaks Course and include two new signalized intersections at Florida Crossroads Commerce Park Road and SW 49th Court Road. The primary objective of this project is to widen CR 484 from an existing two-lane undivided roadway to a 4-lane divided roadway to support future traffic and a future Industrial Park as part of a Future Job Growth Infrastructure Grant Agreement with the State of Florida Department of Economic Opportunity (DEO).

Marion County 130th Court Road Culvert, Fort McCoy, FL — Project engineer. Kimley-Horn provided engineering services to Marion County for design and permitting of the NE 130th Court Culvert Replacement Project. The Project consisted of a hydraulic analysis of the existing twin 36" CMP culverts under NE 130th Court Road and the design and permitting of a replacement culvert connection to address erosion issues that are occurring at this location. Services under this Project included engineering design and permitting, surveying services, coordination with the County's geotechnical consultant, and limited assistance with the bidding process.

ADDITIONAL PROJECT EXPERIENCE

- **CFX Design Consultant Services for CR 532 Widening from Old Lake Wilson Road to US 17/92, Orlando, FL** — Drainage design engineer.
- **St. Petersburg Drive Streetscape and Drainage Project (Complete Streets), Oldsmar, FL** — Drainage design engineer.
- **Legacy Trail Extension Design, Sarasota County, Sarasota, FL** Drainage design engineer.
- **Buena Vista Boulevard Extension Preliminary Engineering Study (PES) and Design, Wildwood, FL** — Drainage design engineer.
- **Osceola County Continuing Traffic Engineering Services on a Task Authorization Basis (2017), FL** Drainage design engineer.





Barry Switzer

Drainage

Value to Nassau County

- » Barry offers 34 of experience in highway drainage design, stormwater management system design, environmental permitting, and hydraulic studies
- » Barry serves as a senior advisor and drainage design engineer for a wide range of transportation-related projects across Florida for various clients including the Florida Department of Transportation (FDOT) Districts One, Two, Three, Four, and Five; Orange, Seminole, Lake, Osceola, and Volusia Counties; Central Florida Expressway Authority (CFX, formerly OOCEA), Cities of Orlando and Deltona; and the Florida Department of Environmental Protection (FDEP)

Education

- Bachelors, Civil Engineering, University of Tennessee, Knoxville

Professional Registration/ Affiliations

- Florida Professional Engineer, #43422

Contact Information

- 📞 689.244.8108
- ✉ barry.switzer@kimley-horn.com
- 📍 200 South Orange Avenue, Suite 600, Orlando, FL 32801

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL

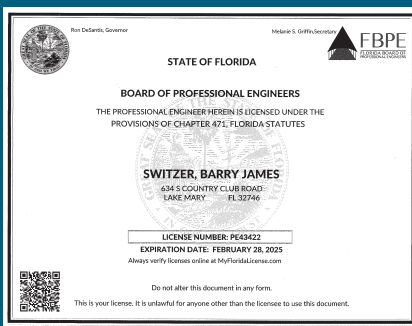
Lead drainage engineer. Managed the drainage design team tasked with the hydraulic analysis of four existing culvert crossings, including two large box culverts and one bridge box culvert. Designed swale adjustments for the extension of three existing box culverts. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

Thompson Nursery Road Extension, Winter Haven, FL — Lead drainage engineer. Kimley-Horn is providing roadway and structural design services for this 6.4 mile widening and extension project between US 17 and West Lake Ruby Drive in Winter Haven. The project is being designed in phases, and Kimley-Horn has completed the design of Segment 1 and is finalizing an alignment study and final design plans for the design/construction of Segments 2, 4, and 5. Services also include structural design, signing and pavement marking, signalization design, environmental permitting, contamination assessments, utility coordination, drainage design, railroad coordination, and FDOT permitting.

Manatee County Lena Road from North of 44th Avenue East to SR 64, Manatee FL — Lead drainage engineer. The construction of the Lena Road improvements provides important connectivity to the surrounding area through SR64 and 44th Avenue East and improves traffic safety and patterns. The Lena Road improvements consist of an urban closed-drainage two-lane roadway with a center turn lane through the industrial area and a single lane roundabout to provide traffic calming along the corridor. Other key features of the corridor included increased multi-modal connectivity by way of adjacent sidewalk and multi-use paths and roadway lighting. In addition, detailed phased maintenance of traffic plan designed to facilitate construction while maintaining existing traffic is included in the construction plan set. Lena Road improvements are primarily within an existing roadway corridor, but and additional missing segment connecting the northern segment of Lena Road to the 44th Avenue East roadway will provide a key link in the Lena Road corridor from SR-64, and SR-70, east of I-75.

ADDITIONAL PROJECT EXPERIENCE

- **SR 31 Widening Improvements Progressive Design-Build, FL** — Lead drainage engineer.
- **Osceola County PD&E and Engineering & Design Services for Nova Road (CR532) Widening from US 192 to Future Sunbridge Parkway, FL** — Project engineer.



Joseph Roberts, PE

Miscellaneous Structures

Value to Nassau County

- » Joe is an experienced structural engineer with over 13 years of experience in structural design for roadway projects
- » His experience in complex bridge design, including post-tensioned pier caps, curved steel box girders, haunched prestressed beams, and post-tensioned concrete U-beams
- » Joe is adept at several structural software packages including FB Multi Pier, FDOT Beam Stability, FDOT Biaxial Column, FDOT LRFD Box Culvert, FDOT LRFD Prestressed Beam, GEOPAK, LARSA 4D (FEM), MathCAD, MicroStation, RC Pier, Smart Bridge Suite, SPWall 911 Sheet Pile Design, Shoring8, STAAD (FEM), MDX

RELEVANT PROJECT EXPERIENCE

Nassau County Design Services Reconstruction and Resurfacing Improvements to CR-121 from Duval County to CR-119, Nassau County, FL

Structural EOR. Led the design of two box culvert extensions and the design and permitting of one bridge box culvert replacement. Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the reconstruction/resurfacing of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

Thompson Nursery Road Extension, Winter Haven, FL —

Project manager. Kimley-Horn is providing roadway and structural design services for this 6.4 mile widening and extension project between US 17 and West Lake Ruby Drive in Winter Haven. The project is being designed in phases, and Kimley-Horn has completed the design of Segment 1 and is finalizing an alignment study and final design plans for the design/construction of Segments 2, 4, and 5. Services also include structural design, signing and pavement marking, signalization design, environmental permitting, contamination assessments, utility coordination, drainage design, railroad coordination, and FDOT permitting.

CR 208 Roadway and Bridge Replacement of the Town Branch Bridge, St. Johns County, FL —

Project manager. CR 208 over Town Branch Bridge Replacement (90% complete) – This project includes roadway modifications, drainage improvements, MOT, and structural design to replace an existing 2-lane bridge in St. Johns County, FL. The bridge replacement is in-kind and requires phased construction, temporary wall design, and roadway MOT. Additional services provided include utility coordination, public outreach, drainage design, roadway design, and bridge hydraulic analysis.

ADDITIONAL PROJECT EXPERIENCE

- **Neptune Road Widening and PD&E Study, Orlando, FL —** Project engineer.
- **SR 13 (San Jose Blvd) and SR 109 (University Blvd) Signal Upgrades and SR 15 Lighting Design, FDOT District Two, Jacksonville, FL** Structural engineer.
- **City of Flagler Beach 27th St. Dune Crossover, Flagler Beach, FL** Structural EOR
- **U.S. 27 & NW 35th Avenue Road Signal Design, Ocala, FL —** Structural EOR.
- **C-466 Phase II Intersection Improvements, Wildwood, FL** Project engineer.



Education

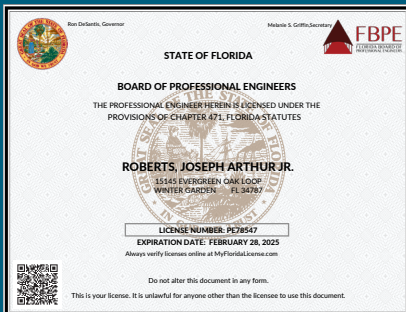
- Masters, Structural Engineering, University of Florida
- Bachelors, Civil Engineering, University of Florida

Professional Registration/Affiliations

- Professional Engineer in Florida, #78547
- American Society of Civil Engineers (ASCE), Board Member
- Structural Engineering Institute (SEI), Vice-President

Contact Information

- ☎ 407.427.1661
- ✉ joseph.roberts@kimley-horn.com
- 📍 200 South Orange Avenue, Suite 600, Orlando, FL 32801



**EXPERIENCE**

- 36 Total years of experience
- 5 Years of experience with SAM

PROFESSIONAL LICENSES & ASSOCIATIONS

- FL PSM No. 6008-2000
- Florida Surveying & Mapping Society

Jason Hill, P.S.M*Senior Project Manager*

Mr. Hill has 36 years of experience in surveying and mapping, working primarily on Florida Department of Transportation projects for the past 28 years. His experience encompasses Design surveys, Control and Right-of-Way Mapping, Horizontal and Vertical control surveys, Topographic surveys, and geodetic and construction surveying. As a Project Manager, he is responsible for managing multiple projects, ensuring detailed attention and quality assurance for each one. His duties include client contact, scheduling, manpower allocation, quality control, and project budgets. He is also proficient with ORD, AutoCAD, Carlson, Trimble Business Center, and ArcGIS software. Mr. Hill has worked with various city and county governments, the Florida Department of Transportation, and various private sector clients.



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No: **LS6008**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

JASON DEAN HILL
2300 CHESTER CT
TALLAHASSEE, FL 32312-9084

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Project Experience**Central Florida Expressway (CFX) SR414 Expressway Extension**

Project surveyor responsible for preparing a Topographic survey for the design of an elevated highway within the median of SR414 (Maitland Boulevard) between US441 and I-4. The survey utilized Mobile Lidar, aerial Lidar, and conventional survey methods.

Turnpike, US27 (SR25) Interchange at I-4 (SR400) Polk County

Project surveyor responsible for preparing a Topographic survey for the design of an interchange modification and widening. The survey utilized Mobile Lidar and conventional survey methods.

FDOT 7, SR582/ East Fowler Ave (Hillsborough) 4462701 (23713)

Project surveyor responsible for preparing a Topographic survey for the 3R project. Improvements include milling and resurfacing of existing lanes and shoulders throughout the project limits. Signalization, signing, and pavement markings with drainage work are also included for this project.

FDOT District 7- Contract CAM48 Survey Districtwide Contract

Serving as the administrator for the Survey Districtwide miscellaneous task assignment contract. These Department's Consultant services are on an as-needed basis. Performed miscellaneous surveys and right-of-way mapping on projects occurring within the District Seven geographic area. Services include control survey, construction, design and right-of-way surveying, photogrammetric mapping, and right-of-way mapping. Scope of services included a Bentley OpenRoads ORD survey model (SURVRD) including planimetric data and DTM surface(s) to Department specifications.

FDOT 3, SR10 (US90) (Santa Rosa) 440915 (19334)

Project administrator responsible for contract/project management oversight, scheduling, and final review of deliverables to FDOT specifications. Project Description: Multilane Design of SR 10 (US 90) Caroline Street from CR 89 Ward Basin Road to SR 87 in Santa Rosa County. Specific Involvement: This project included survey services for the full topographic design utilizing mobile Lidar.

FDOT 3, Design Group 20-02 (20333)

Project administrator responsible for contract/project management oversight, scheduling and final review of deliverables to FDOT specifications. Project Description: Group 20-02 Woodham Rd over Holmes Creek (Relief Bridge No. 524118); Robbins Bridge Rd over Ten Mile Creek (Bridge No. 524138); Horse Barn Rd over Unnamed Branch (Bridge No. 524014) in Holmes County. Specific Involvement: This project included survey services for the full topographic design, TIITF easements, maintenance maps and right-of-way maps.

FDOT 3, SR8 (I-10) (Okaloosa) 4410384 (20343)

Project Description: SR 8 (I-10) from E of Yellow River Relief Bridges to SR 85 Ferdon Boulevard

**EXPERIENCE**

- 33 Total years of experience
- 6 Years of experience with SAM

PROFESSIONAL LICENSES & ASSOCIATIONS

- FL PSM No. 5578



Florida Department of Agriculture and Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Drive Tallahassee, Florida 32309-6000

License No.: LS5578
Expiration Date: February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

ALFREDO A. BERMUDEZ
2844 PABLO AVE
TALLAHASSEE, FL 32308-4211

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Alfredo A. Bermudez, PSM*LiDAR Project Manager*

Mr. Bermudez has 30 years of surveying and mapping experience in a wide variety of public and private sector projects overseeing fieldwork and quality control for the fieldwork. He is proficient in primary analysis of field data with a strong background in computers and surveying computations. Trains and directs office and field staff in all aspects of project requirements and field procedures including the use of Bentley OpenRoads with TOPODOT, Autocad Civil3D, Trimble Business Center (TBC), Carlson SurvCE, Trimble Access, and other survey related software packages. Mr. Bermudez is trained in the use of Leica scanners and Leica Cyclone software. FARO scanners and FARO Scene software. Expertise in GPS related projects.

Project Experience**CR 121 Resurfacing Improvements from Duval County Line to CR 119 - Nassau County, Florida**

Project surveyor responsible for preparing a topographic survey for the resurfacing project. Established an approximate centerline and limits of right-of-way for the length of the corridor. Use of terrestrial LiDAR paired with conventional survey of drainage structures to provide client with a DTM surface over the 9 mile length of the project.

SR 261 (Capital Circle NE / US 319) from South of SR 20 (US 27 / Apalachee Parkway) to Conner Blvd, - FDOT District 3 - Leon County, Florida (FP 4287392)

Provided 3D design survey for milling and resurfacing of six lane urban corridor. Use of terrestrial LiDAR paired with conventional survey.

SR 261 (Capital Circle NE / US 319) from SR 363 (Woodville Highway) to Tram Road, - FDOT District 3 - Leon County, Florida (FP 2196894)

Provided 3D design survey for milling and resurfacing of six lane urban corridor. Use of terrestrial LiDAR paired with conventional survey.

SR 261 (Capital Circle NE / US 319) from North of Park Avenue to Centerville Road - FDOT District 3 - Leon County, Florida (FP 4287391).

Provided 3D design survey for milling and resurfacing of six lane urban corridor. Use of terrestrial LiDAR paired with conventional survey because of crew safety concerns. Project included preparation of right of way control survey for addition of right turn lane.

SR 10 (US 90 / Mahan Drive) from SR 265 (Magnolia Drive) to SR 261 (Capital Circle NE) - FDOT District 3 - Leon County, Florida (FP 4269611).

Provided 3D design survey for milling and resurfacing of four lane urban corridor. Use of terrestrial LiDAR paired with conventional survey.

District wide Softcopy Photogrammetry. Roadway Characteristics Inventory (RCI), FDOT District 3 (FP 418541-1)

This project involved field inventory on roadways throughout District 3, gathering types, widths and lengths of pavement, shoulders, auxiliary lanes, medians, and location of railroads and bridges which cross any roadway maintained by FDOT D3. Field inventory on Highway Performance Monitoring System (HPMS) samples was mandated by FDOT Central Office and FHWA. HPMS procedures included whether roadway could be widened, vertical grade of roadway, horizontal curve data for sections, number of at grade intersections in sections, type of signalization for intersections, peak lane usage for sections, denoting where parking is allowed outside of the traveled lanes on specified samples, and percent of passing sight distance. SAM provided GPS locations of new and re-aligned roads sections and creation of shape files for input to GIS base map at FDOT Central Office. SAM's office procedures included input of field collected data into FDOT RCI database, running edits through the FDOT mainframe to check the accuracy and completeness, creating Straight Line Diagrams (SLDs) on all roadways inventoried, and performing QA/QC of the SLDs and of RCI of data input.



Matthew R. Landschoot, P.E.

Senior Engineer /
Jacksonville Office Manager



S U M M A R Y

Mr. Landschoot has 15 years of experience with Materials Testing, Geotechnical Engineering, Geophysical Engineering, and Construction Engineering Inspector experience, including roadway studies, stormwater design, pavement design, materials engineering, Quality Control (QC) Testing, and Verification Testing (VT). Mr. Landschoot has extensive experience with the development of plans to remediate sinkholes, slope instability, and excessive settlement due to unsuitable in-situ soil. Mr. Landschoot has been a Geotechnical Engineer of Record (EOR) on over 100 FDOT Projects in District 2 and District 3 for EGS. He is currently managing EGS's District 2 Geotechnical Districtwide Contracts.

E D U C A T I O N

BACHELOR'S DEGREE

Civil Engineering
Florida State University
2008

PROFESSIONAL

Professional Engineer in Florida
(76183)

Florida Engineering Leadership
Institute (FELI) Graduate: 2014

Geotechnical Materials
Engineering Council (GMEC):
Member

American Society of Civil
Engineers (ASCE): Member

C O N T A C T

Email: Matt.Landschoot@egs-us.com

Office: (904) 580-8501

Website: www.egs-us.com

P R O J E C T E X P E R I E N C E

Continuing Services Contract for Professional Geotechnical and Materials Testing Services – Nassau County – Awarded 2023

EGS was selected as a Prime Consultant to provide Nassau County with geotechnical design services as requested. Services have included geophysical design services, geotechnical design services, post-design geotechnical services, and material testing services on a Task Work Order (TWO) Basis. This Continuing Services Contract was awarded in 2023 and is active.

I-95 Northbound at St. Mary's Bridge No. 740089 (213463-2-32-01) (Nassau) – Awarded 2020

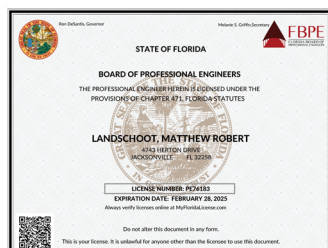
EGS is a Sub-Consultant on the Team (Stantec) to provide geotechnical design services for the I-95 Northbound Resurfacing, Restoration, and Rehabilitation (RRR) Project. Geotechnical services provided for this project will include performing a Roadway Soil Survey for the proposed roadway widening and turn lane investigations, as well as a traditional lighting investigation. This project was awarded in 2020 and is currently ongoing.

SR A1A/SR 200 from Griffin Road to I-95 (445341-1-32-01) (Nassau) – Awarded 2020

EGS was selected as a Prime Consultant (FDOT) to provide geotechnical design services for the SR A1A Resurfacing, Restoration, and Rehabilitation (RRR) Project. Geotechnical services provided for this project will include performing a Roadway Soil Survey for the proposed roadway widening and turn lane investigations, as well as a traditional lighting investigation. This project was awarded in 2020 and is currently ongoing.

US 1 (SR 15) from South of Rhoden Lane to North of Pratt Siding Road (445589-1-32-01) (Nassau) – Awarded 2021

EGS is a Sub-Consultant on the Team (Avant) to provide geotechnical design services for the SR 10 Resurfacing, Restoration, and Rehabilitation (RRR) Project. Geotechnical services provided for this project will include performing a Roadway Soil Survey for the proposed roadway widening and turn lane investigations, as well as a traditional lighting investigation. This project was awarded in 2021 and is currently ongoing.





Thomas H. Hayden, P.E.

Vice President / Senior
Geotechnical Engineer



SUMMARY

Mr. Hayden has over 22 years of Geotechnical design and investigative experience, including roadway studies, stormwater design, pavement design, geophysical investigations, pavement evaluations, and materials engineering. Mr. Hayden has extensive experience with FDOT Geotechnical Standards, managing FDOT Geotechnical Projects, FDOT Environmental Projects, and FDOT Construction Materials Testing (CMT) Projects. In addition, Mr. Hayden has experience conducting FDOT Pavement Core and Condition Surveys for District 2 and District 3 and FDOT Geotechnical Projects for District 3, District 2, District 5, and District 7.

EDUCATION

BACHELOR'S DEGREE

Civil Engineering
University of South Florida
2003

PROFESSIONAL

Professional Engineer in Florida
(67492), Alabama (33469-E), and
South Carolina (30621)

Florida Engineering Leadership
Institute (FELI) Graduate: 2008

Jim Moran Institute (JMI)
Graduate: 2017

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PROJECT EXPERIENCE

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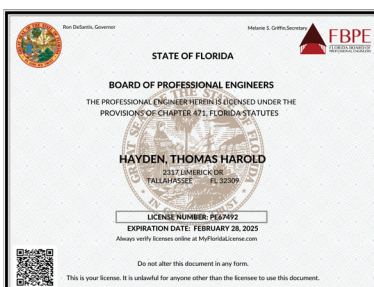
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US 1 (SR 15) from South of Rhoden Lane to North of Pratt Siding Road (445589-1-32-01) (Nassau) – Awarded 2021

EGS is a Sub-Consultant on the Team (Avant) to provide geotechnical design services for the SR 10 Resurfacing, Restoration, and Rehabilitation (RRR) Project. Geotechnical services provided for this project will include performing a Roadway Soil Survey for the proposed roadway widening and turn lane investigations, as well as a traditional lighting investigation. This project was awarded in 2021 and is currently ongoing.



TAB 5

Delivery and Approach



TAB 5 – DELIVERY AND APPROACH

The Kimley-Horn team has been working with Nassau County on the CR-121 corridor since 2021 when we first started discussing the CR-121 Phase 1 project. We have an unmatched understanding of the pavement performance and deterioration issues that were the catalyst to receiving the grant from FDOT to help fund this pavement rehabilitation project. Based on our conversations with the County staff, the main driver of this Phase 2 project is the grant funding schedule which is set to expire December 31, 2026.

Throughout our research, field investigation, and coordination with County staff, our team has come to understand the primary focus of this project is to rehabilitate and reconstruct 27.5 miles of the existing two-lane CR-121 roadway pavement, from CR-119 to US 1. Our team's goal is to maximize the County's project budget of \$13.66 million, \$9 million of which comes from the Florida Department of Transportation Grant.

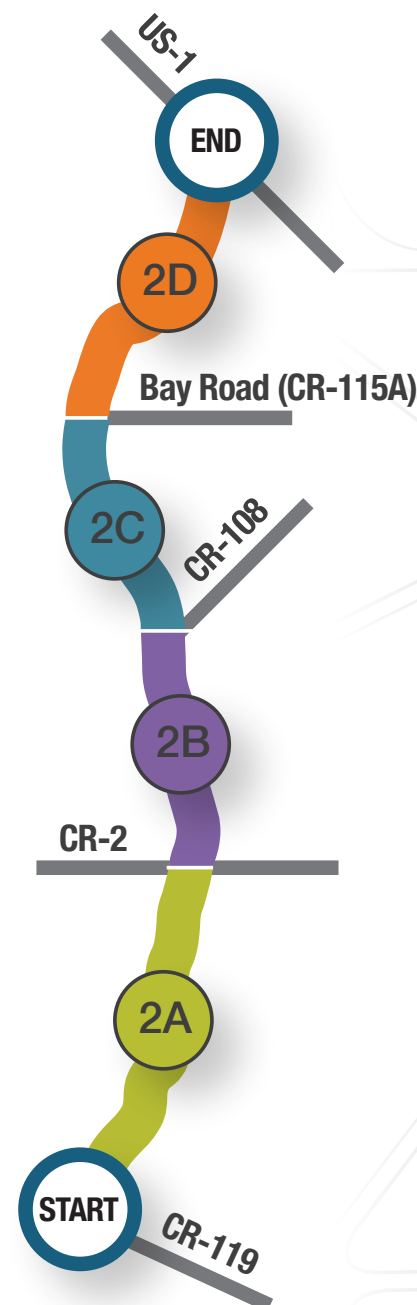
Method of Approach

The key to this project is a deep understanding of the existing conditions. This understanding will drive the recommended pavement rehabilitation method. Our team will start with an integrated approach that combines a thorough geotechnical evaluation and an image-based road pavement condition assessment. With this information we will identify and isolate sections of the existing corridor that require a full depth reconstruction to achieve a design service life expectation of 20 years. The remainder of the corridor will be evaluated in sections determined by the existing pavement condition, with other less invasive pavement rehabilitation methods recommended. The 27.5-mile project corridor can be broken down into four segments, with each segment having different characteristics, existing conditions, and different road users.

Segment 2A – CR-119 to CR 2	(MP 7.47 – MP 15.82)
Segment 2B – CR 2 to CR 108	(MP 15.82 – MP 21.65)
Segment 2C – CR 108 to Bay Road (CR 115A)	(MP 21.65 – MP 27.47)
Segment 2D – Bay Road (CR 115A) to US 1	(MP 27.47 – MP 34.91)

The fundamental focus of this project is the rehabilitation of the existing pavement. Keeping this at the forefront, our team will perform an evaluation of existing roadway and drainage conditions as measured against current Florida Greenbook criteria. Elements found to be non-compliant with these design criteria will be prioritized based on safety and cost. Some areas within Phase 1 that fell into this category were superelevation through horizontal curves, vertical sag curves, and guardrail types and lengths. ***The key to our approach is to continue working closely with County staff to establish project improvements that are deemed necessary and can be achieved within the project funding established.***

A Project Issues Map is included on the following two pages, which identifies many of the issues that will define the focus of our design approach.

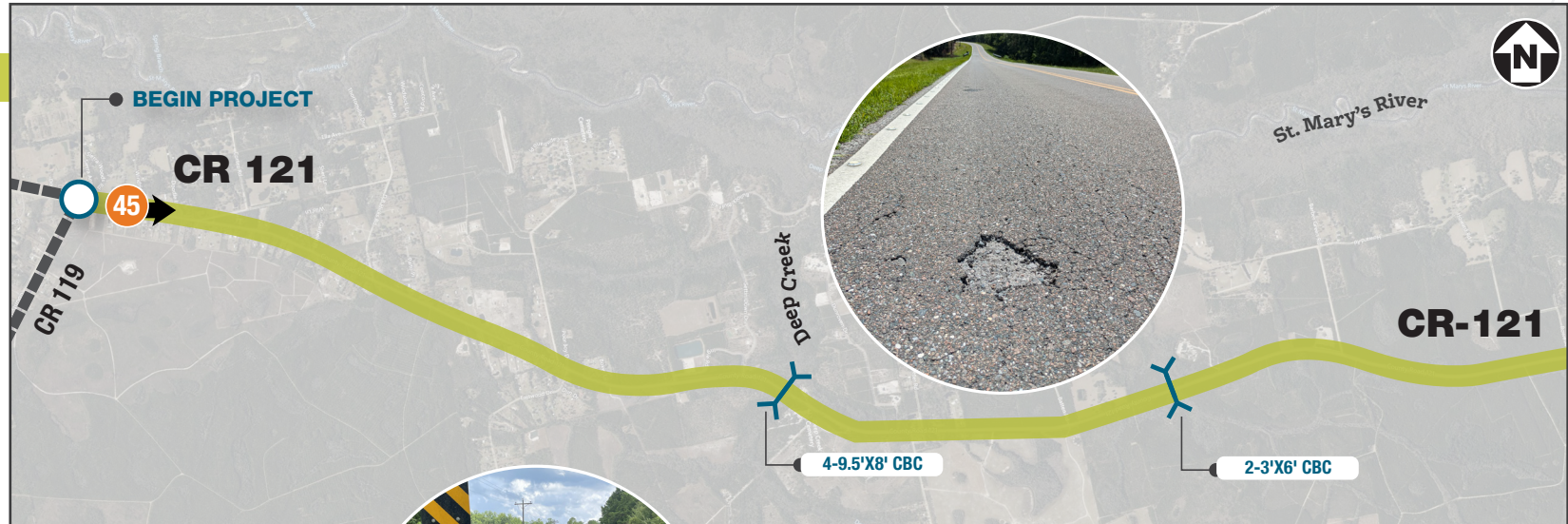


Project Map

Segment 2A

CR-119 TO CR 2

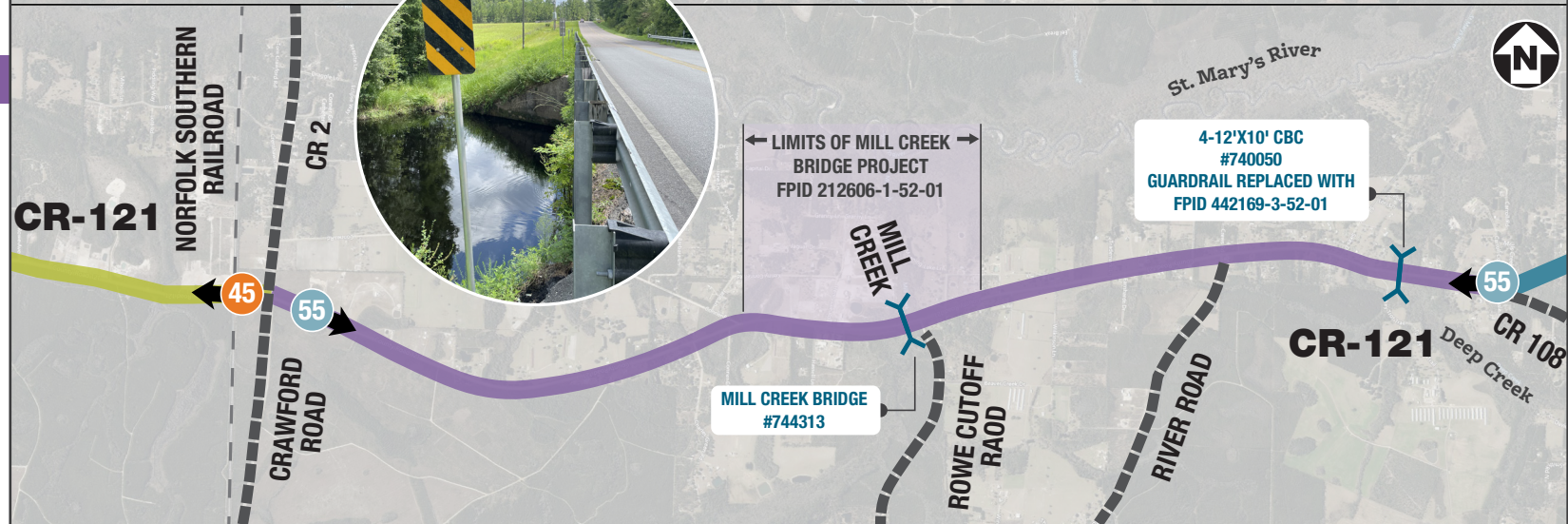
- Posted speed of 45 mph
- Heavy truck traffic
- One bridge box culvert
- Norfolk southern railroad crossing



Segment 2B

CR 2 TO CR 108

- Posted speed of 55 mph
- One bridge box culvert
- FDOT maintained bridge present in segment
- Non-standard intersection with CR 108



Project Map

Segment 2C

CR 108 TO BAY ROAD (CR 115A)

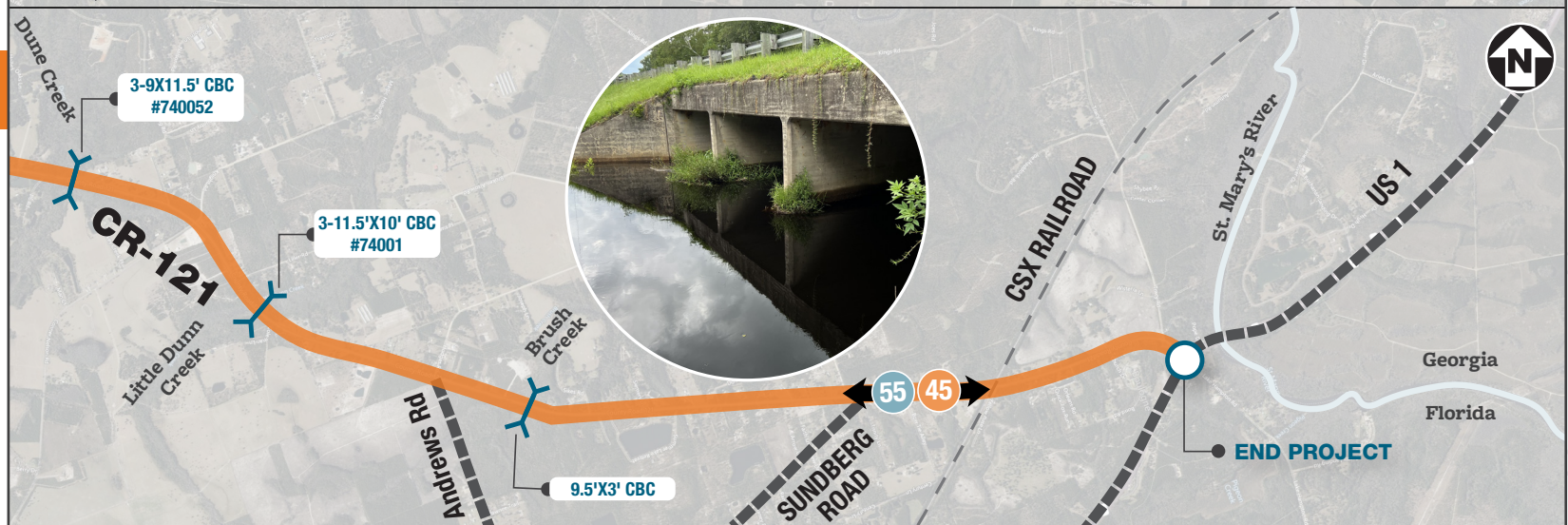
- Mixture of posted speed of 55 mph and 45 mph
- One box culvert



Segment 2D

BAY ROAD (CR 115A) TO US 1

- Mainly posted speed of 55 mph
- Small portion of posted speed 45 mph
- Two bridge box culverts
- CSX railroad crossing
- End project at US 1 R/W



Interpretation of Scope of Services

Our team has substantial experience designing the pavement rehabilitation for high-speed, low-volume rural roadways similar to CR-121 Phase 2, including the pavement rehabilitation of CR-121 Phase 1 just south of this project. Based on our understanding of the County's goals and our experiences with Phase 1 and other similar projects, we understand that the scope of services required for this CR-121 Phase 2 roadway design contract can include the following:

- Design Survey
- Geotechnical Investigation
- Wetland Delineation and Water Management District permitting
- Design Traffic – Equivalent Single Axle Loading
- Pavement Design – Reconstruction and Resurfacing
- Roadway Safety Assessment
- Roadway Analysis – Cross-Slope Analysis and Correction
- Drainage Design – Culvert Hydraulic Analysis
- Erosion Control
- Temporary Traffic Control
- Signing & Pavement Markings
 - » No Passing Zone Study
- Safety Study
- Utility Coordination
- Railroad Coordination
- Construction Cost Estimates
- Specifications/Technical Special Provisions
- Bid Phase Support Services
- Construction Phase Support Services



PROJECT APPROACH

Our understanding of the corridor and experience with CR-121 Phase 1 will enhance this project's success. We will provide the assurance of continuity, familiarity with particular preferences, and a greater likelihood of success in delivering a project that meets the expectations of both Nassau County staff and the citizens of West Nassau County.

Our team has spent years working with the Nassau County staff on the CR-121 Phase 1 project and many hours reviewing the CR-121 Phase 2 project data and conducting field visits to better our understanding of the corridor and the County's goals for this project. Kimley-Horn's approach to starting a project includes the following tasks:

- Develop a comprehensive work plan and project scope including phased tasks
- Identify scheduling, effort, and materials requirements
- Establish a schedule showing key project tasks, milestones, and regular progress meetings
- Customize the work plan according to Nassau County's needs, project schedule, and budget
- Secure a commitment from the various quality reviewers needed for our quality control and quality assurance plan

PROJECT MANAGEMENT PLAN

At the onset of every design project, Kimley-Horn develops a written project management plan. This plan defines expectations and requirements concerning project scope of work, design budget, construction funding, staffing levels, internal and external communications, project record file structure, schedule and quality control and quality assurance. The key element of our project management plan is effective communication through a single point of contact with our design team's project manager, **Jessica Novak, PE**. This approach ensures that all direction set by Nassau County will be consistently communicated to the design team and that all design decisions are documented in the project records. Our philosophy is that communication between our design team and the County is vital to project success. The priority is to make sure the County's project manager has a clear understanding on a weekly basis of where the project stands and the direction the design team is taking to meet schedule and budget expectations. Kimley-Horn will promptly return e-mail inquiries and will set procedures in place to ensure that phone calls are returned the same business day.

SURVEY (SAM SURVEYING AND MAPPING)

Preliminary survey data of the existing pavement elevations have been collected for all 27.5 miles of this CR-121 Phase 2 corridor by our subconsultant partner, SAM Surveying and Mapping, LLC (see Figure 1).

SAM's Aerial Photogrammetric Mapping system provides the ability to procure and decipher integrated photogrammetric and LiDAR sensor products using both digital extraction and conventional digitization of both aerial-based photography and LiDAR collection at the same time. SAM uses a combination of the traditional photogrammetric process and LiDAR to create highly accurate mapping products.

Pavement design survey is a critical path schedule item. **Two months are saved on the survey delivery schedule** now that initial survey data has been collected. This allows our team to get started with the pavement design evaluation much sooner than using traditional survey gathering techniques. In addition, the density at which the pavement survey elevations are collected using LiDAR will ensure that overbuild asphalt quantities will be highly accurate so Nassau County can be assured that the asphalt quantities included in the construction plans will not require adjustment during construction.

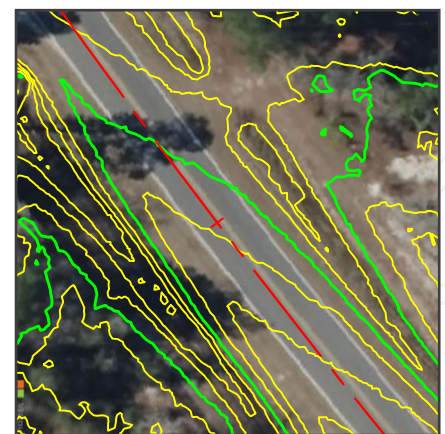


Figure 1: Sample of existing surface/contour information from SAM

SAM uses a combination of traditional photogrammetric process and LiDAR to create highly accurate mapping products. In the event a project requires a photogrammetric or LiDAR mapping element, SAM will create a ground control diagram. **Now that the LiDAR dataset is captured, it will be rectified and checked via ground truthing at notice to proceed.** After verification, the data can then be used as a stand-alone product or incorporated with other survey data to provide a consistent design deliverable.

GEOTECH (EGS)

A key element affecting the overall project construction cost is the method of pavement rehabilitation to be used. Obtaining sufficient geotechnical investigation of the existing pavement structure will allow the design team to accurately define areas where pavement and base reconstruction is required instead of the less costly milling and resurfacing. The Kimley-Horn design team will work closely with EGS to target cores in areas of severe pavement distress based on results of the previously performed image-based road pavement condition assessment.

Our team understands the main goal of this project is to rehabilitate the pavement to provide a 20-year service life while considering cost saving solutions. We envision a tiered approach to our recommendations:

1. Mill and Resurface
2. Full Depth Reconstruction / Full Depth Reclamation
3. Targeted Use of Geosynthetic Reinforcement

Options 1 and 2 listed will cover much of the project corridor. Mill and resurface will be prioritized as the more cost efficient option in areas where the existing base can support the current and projected traffic loading. Option 3 is intended for isolated areas of pavement failure. Our design team will coordinate with Nassau County staff regarding these areas and consider use of geosynthetic high strength reinforcement within the subgrade zone. Through field observations, we've identified instances of transverse cracking at several of the major box culvert crossings (see Figure 2). Implementing the use of geosynthetic reinforcement can provide a smooth transition over the culverts and reduce recurrence of transverse cracking.

Our understanding is that the pavement condition within segment 2A, from CR-119 to CR 2, closely resembles the pavement condition found south of CR-119. This segment also has similar high truck volumes which could contribute to the deteriorating pavement condition. Included here are two of the pavement cores collected on the CR-121 Phase 1 project that highlight the variability in the pavement section and may give a glimpse into what we can anticipate within Segment 2A of this project. These two cores (see Figures 3 and 4) were taken approximately 500-ft apart from each other. PK-28 (see Figure 3) shows a recycled asphalt stabilization base that retained the bond after core extraction. PK-29 (see Figure 4) shows a recycled asphalt stabilization base that is comprised of free aggregates that separated after extraction. This variability was evident throughout the 7.5 miles of CR-121 Phase 1, leading to pavement cracking over the base that was too rigid (PK-28) and major rutting issues on pavement with an unbonded base (PK-29). Full Depth Reclamation will be considered as a cost-effective base-correcting option within segments of the corridor where borings show that base condition doesn't vary drastically.

EGS will perform the collection of the required pavement cores with base and subgrade checks by performing Maintenance of Traffic (MOT) using a mobile operation (FDOT SPI 102-607) including multiple attenuator vehicles, additional flagmen, and an off-duty law officer on site for added safety. All field drilling and MOT equipment is owned in-house by EGS; therefore, no third-tier subconsultants will be required.

Based on preliminary desktop review of USDA / NRCS soil maps, the following anticipated subsurface conditions should be noted:

- **Soils** - The existing near surface soils (within 5 feet of native grade) are anticipated to consist mostly of "SELECT" silty sands throughout most of the project limits, with intermittent "ORGANIC" sands (Org. > 5%) to "HIGHLY ORGANIC" muck in locations adjacent to low-lying wetland areas or channel crossings. Therefore,



Figure 2: Transverse cracking over existing box culvert

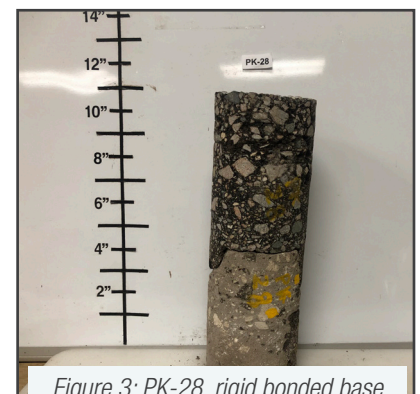


Figure 3: PK-28, rigid bonded base



Figure 4: PK-29, crumbles of unbonded base

some subsoil excavation to remove and replace unsuitable low-strength organic materials is possible in locations of planned reconstruction. As an innovative concept, our team will consider use of a high strength geosynthetic reinforced embankment in lieu of full depth excavation/replacement in areas where unsuitable materials are encountered, to reduce adjacent impacts and accelerate construction.

- **Groundwater** - Estimated “normal” seasonal high groundwater likely exists within 3 feet of “native” grade intermittently within the project limits; therefore, use of moisture resistant optional base groups (i.e., Asphaltic “Black” Base or Graded Aggregate) will be considered in locations of roadway reconstruction if adequate base clearance cannot be practically achieved.

TYPICAL SECTION

The existing roadway provides two 12ft travel lanes with sodded shoulders on both sides. The proposed typical section will match the existing section in pavement width: two 12ft lanes throughout and maintaining 4ft paved shoulders where they are already existing. In areas that have insufficient base and require more than milling and resurfacing, additional methods will be taken to ensure a design life of 20 years.

The Florida Department of Transportation rebuilt approximately 0.63 miles of CR-121 pavement including the Mill Creek Bridge (Bridge #744313), using the typical section shown (see Figure 5). Existing within these limits are two 12ft travel lanes with 8ft shoulders (4.5ft paved). **Note that the dimensions on the typical section of CR-121 shown are in meters.**

Overbuild: There are two situations we anticipate cross slope correction will be recommended. These will be evaluated on a case by case basis.

1. Tangent sections of roadway where existing cross slope is less than 0.015 ft/ft
2. Correct superelevation rates in horizontal curves to meet superelevation requirements per Florida Greenbook Standards

One issue the County has noted and which we observed in the field is the shoulder sod buildup along the edge of pavement. This blocks water runoff from entering the roadside swales and contributes to ponding within the travel lanes. Improving the unpaved shoulders to reduce the issue and provide positive drainage of the travel lanes is a priority of the County. **As part of this project, we recommend the existing grass shoulders be bladed down and resodded.** In areas where Geotech findings show an insufficient base, full-depth reconstruction options will be considered.

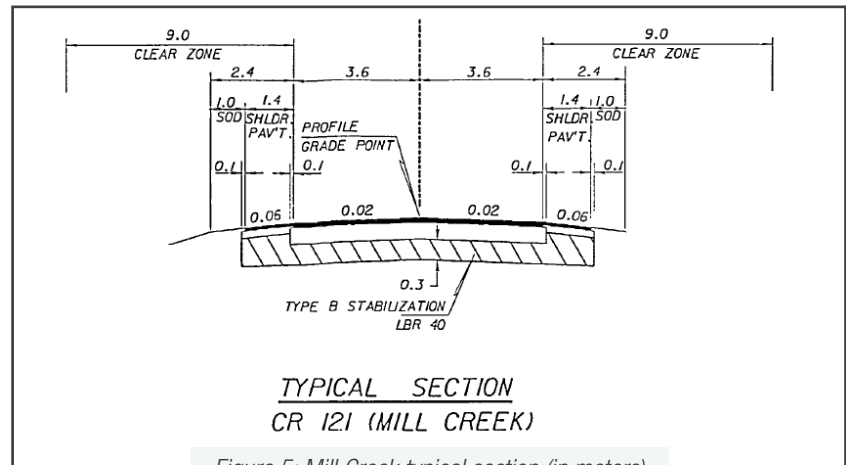


Figure 5: Mill Creek typical section (in meters)



Figure 6: Final condition typical section

POSTED SPEED

Posted speed varies along the corridor, ranging from 45 MPH to 55 MPH. We understand the County reduced the posted speed from 55 MPH to 45 MPH from the Duval County line to CR 2 in 2021 due to safety concerns associated with wet weather pavement. While our team will coordinate with the County on the posted speed along the Phase 2 corridor and provide recommendations based on existing conditions and proposed improvements, the intent of the project will be to return the posted speed limit of 55 MPH to Segment 2A from CR-119 to CR 2. The design speed will remain the same for the remainder of the corridor north of CR 2. Table 1 on the following page details the limits of the various posted speeds along CR-121.

Table 1: Posted speeds along CR-121

	Posted speed 45 mph	Posted speed 55 mph
Segment 2A	MP 7.467 – MP 15.823 CR-119 to CR 2	
Segment 2B		MP 15.823 – MP 21.649 CR 2 to CR 108
Segment 2C	MP 21.649 – MP 23.698 CR 108 to Tomlinson Road	MP 23.698 – MP 27.465 Tomlinson Road to Bay Road (CR 115A)
Segment 2D	MP 33.452 – MP 34.907 Sundberg Road to US 1	MP 27.465 – MP 33.452 Bay Road (CR 115A) to Sundberg Road

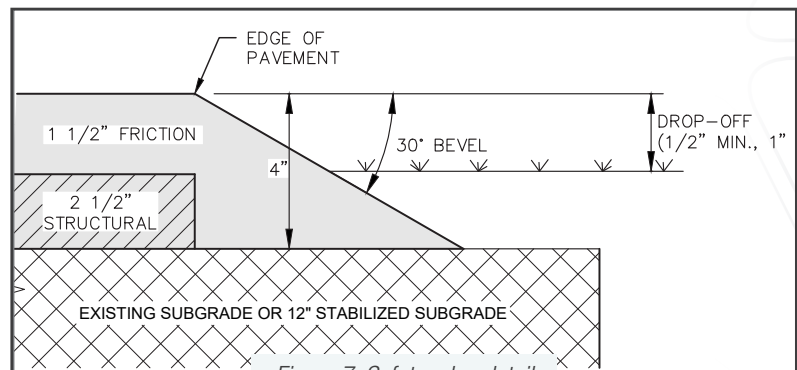
PAVEMENT DESIGN

The primary focus of this CR-121 project is rehabilitation of the existing pavement. The development of a pavement design that meets the anticipated traffic loading for a 20-year design service life expectation for both areas of reconstruction and resurfacing will be the single most significant element affecting project construction costs. The Kimley-Horn team has completed hundreds of cost-effective pavement designs throughout Florida ranging from simple resurfacing to those that included more complex cross-slope correction design and geotextile reinforcement components to full depth reconstruction. The most recent direct experience with cost effective pavement designs is CR-121 Phase 1, from the Duval County line to CR-119. Our team utilizes the FDOT's flexible pavement design procedures, which is a proven methodology with a great deal of historical performance data supporting successful performance. Some of the key variables/elements to be established in the pavement design process for the long-term performance of the pavement structure include the following:

- Design Service Life (20 years recommended)
- Establishment of Design Traffic Volumes (design year 2045)
- Design Pavement loading – Accumulated Equivalent 18-kip Single Axle Loads (ESAL)
- Design High Groundwater Levels
- Design Bearing Value of Existing Roadbed Soils (LBR value)
- Reconstruction – Selection of Base Material
- Resurfacing – Cross Slope Correction (mill in desired x-slope vs overbuild)

Other pavement design elements we would encourage Nassau County to consider for this CR-121 project which would provide enhanced safety or provide a long-term value-added benefit include:

- Pavement Safety Edge (**see Figure 7**)
- Variable Milling Depth – Set depth per length of corridor based on existing crack depth (reduce reflective cracking)
- Use of crack relief layers in isolated areas (geotextile or ARMI layers)
- Use of Performance Grade Asphalt Binders (i.e., PG 76-22) to reduce long term rutting
- Use of a dense graded friction course (FC 12.5) which provides structural value


Figure 7: Safety edge detail

The four segments within CR-121 Phase 2 have varying design speeds and existing pavement conditions. Based on conversations with the Nassau County staff the pavement condition of Segment 2A, from CR-119 to CR 2, is the worst within the corridor. This segment has a high volume of truck traffic utilizing CR-121 and CR 2 as an access point to Georgia. In 2021, the County had pavement patching done from the Duval County line to CR 2. **Figure 8** shows evidence of that pavement patching just north of CR-119.

Within Segment 2B, from CR 2 to CR 108, there is a section of road previously reconstructed through FPID 212606-1-52-01 to replace the Mill Creek Bridge. EGS core data will verify the existing pavement section within the Mill Creek Bridge project limits and determine the state of the existing limerock base.

A resurfacing project was completed in 2015 on a portion of CR-121 between Segments 2C and 2D, between Addison Lane and Andrews Road where 1.75" of existing pavement was milled and replaced with Superpave, Traffic B. Based on our experience with CR-121 Phase 1, there may still be underlying base issues impacting the effectiveness of this resurfacing project from 2015.

The Kimley-Horn design team will utilize the geotechnical findings from EGS's investigation to determine the areas along the corridor where a milling and resurfacing will not correct the pavement failure issues present today. Areas found to be experiencing base failure will be evaluated to determine if full depth reconstruction or reclamation are recommended in coordination with Nassau County staff. Horizontal Alignment

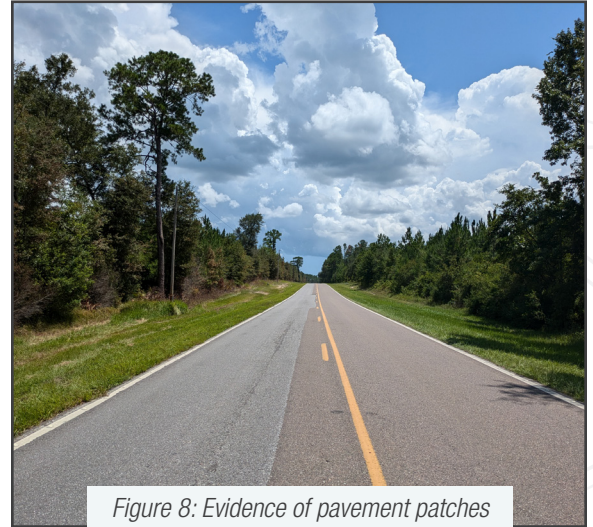


Figure 8: Evidence of pavement patches within segment 2A

The project limits along CR-121 begin north of the intersection with CR-119 and continue north for approximately 27.5 miles to the R/W limits at US 1. This corridor is classified as a Rural Major Collector with design speeds varying from 50 MPH to 60 MPH. The alignment consists of tangents and curves with multiple intersecting streets.

Per the Florida Greenbook, horizontal curves should be 15 times the design speed (ranging from 750 LF to 900 LF), but no less than 400 LF. The primary focus of this project is pavement rehabilitation and is not anticipated to include changes to the existing alignment. Any horizontal curves found to not meet Florida Greenbook minimums will be evaluated against available crash data to determine if additional safety measures should be recommended as part of this project. For areas of milling and resurfacing, existing superelevation rates and cross slopes will be compared to Florida Greenbook minimums. Where cross slopes are found to be substandard, a review of the available crash data will be conducted prior to recommending overbuild or cross slope correction. In areas where the pavement rehabilitation requires full depth reconstruction, cross slope and superelevation rates will be determined per the design speed and Florida Greenbook requirements.

VERTICAL ALIGNMENT

Our team understands the County's desire is to maintain the existing vertical alignment along CR-121 Phase 2. During the design process, we will evaluate the existing grades and vertical curves in relation to the water table as well as at the seven existing box culvert crossings. Our hydraulic team will evaluate existing conditions of these crossings and perform a capacity study to determine if the culverts are sized appropriately. If any culverts are found to be substandard, a change to the vertical grade will be recommended to achieve appropriate cover over the culvert and to encourage positive drainage. If superelevation correction is necessary along any of the horizontal curves, minor grade changes could be proposed to avoid undercutting the existing pavement.

Utilizing the LiDAR surface already obtained from SAM, our team has performed a preliminary review of the existing profile. There are seven sag curves that line up with the seven existing major box culverts. These culverts will be evaluated in a similar manner as the box culvert at the bottom of a sag vertical curve on CR-121 Phase 1. Our team will evaluate the existing vertical curve data and work with the County if any clear zone or guardrail standards are not being met under existing conditions. **Figure 9** on the following page shows a screen clip of the existing profile of CR-121 based on the lidar data received from SAM.

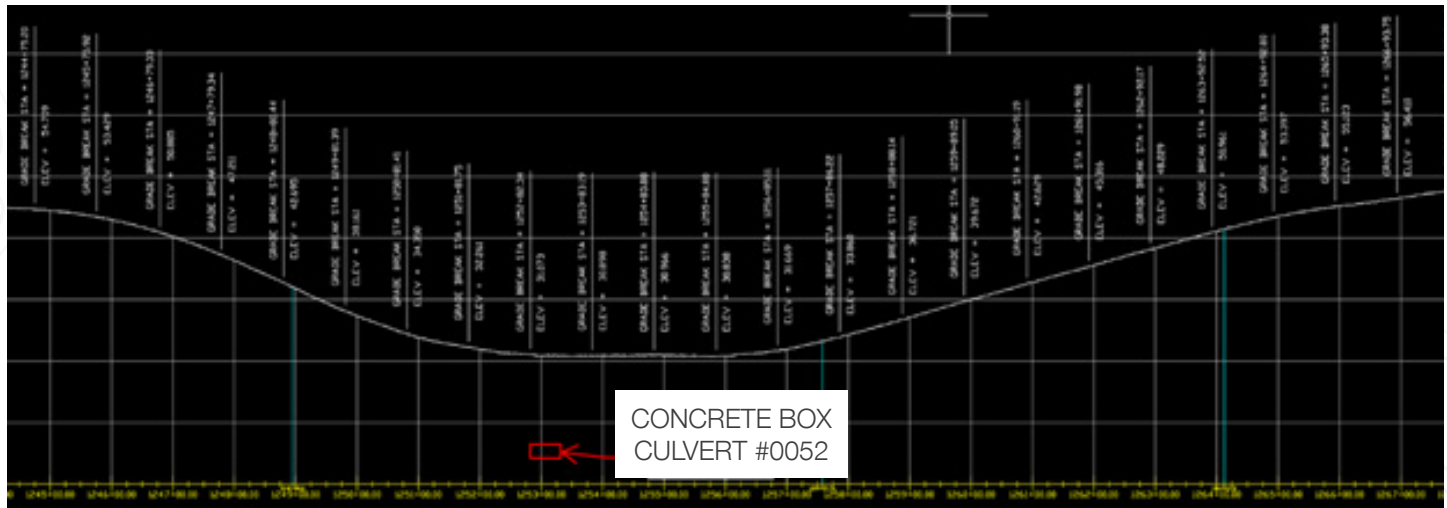


Figure 9: Existing ground profile Of CR-121

INTERSECTIONS

There are four major intersections included within the limits of CR-121 Phase 2. Each intersection presents its own unique challenges, but most have evidence of heavy truck overtracking. Improvements at the intersection of CR-121 with CR-119 were included in the Phase 1 project, so the limits of Phase 2 will begin north of CR-119 and continue north.

CR-121 at CR 2 (Crawford Road). The intersection of CR-121 with CR 2 provides access to St. George, Georgia and is known to be frequently traveled by heavy trucks. There is evidence of significant overtracking and pavement rutting. Our team recommends using AutoTurn to determine the necessary intersection radii for the intersection to better support the turning movements of a WB-67FL (design vehicle).

CR-121 at CR 108. The intersection of CR-121 with CR 108 is a non-standard intersection with several conflict points that could be reduced with an intersection realignment. The intersection appears to be in good condition with visible pavement markings, sufficient signage, and limited over tracking and rutting. Since there are no crash trends based on our 5-year review of reported crashes and the intersection has held up, our team will recommend focusing the pavement improvements on only the travel lanes of CR-121 through this intersection (see Figure 10).

CR-121 at Bay Road (CR 115A). The intersection of CR-121 with Bay Road (CR 115A) provides access to Hilliard, Florida. The intersection appears to be in good condition with visible pavement markings and minimal evidence of truck over tracking or pavement rutting. Our team will recommend focusing the pavement improvements on only the travel lanes of CR-121 through this intersection.

CR-121 at US 1. The intersection of CR-121 and US 1 falls within Florida Department of Transportation (FDOT) owned right-of-way. FPID 445351-1-52-01 includes the resurfacing of CR-121 within the FDOT R/W. No improvements to CR-121 within the FDOT R/W are anticipated with this project (see Figure 11).

Minor road connections: Existing unpaved minor intersecting streets will be evaluated on a case-by-case basis. By paving the intersection with an unpaved road, the need for ongoing maintenance will be minimized. Maintenance of the road like grading, dust control, and repairing potholes is not the only issue. Maintenance of the adjacent drainage is commonly impacted by frequent road grading to achieve adequate travel lane slopes.



Figure 10: Intersection of CR-121 at CR 108



Figure 11: Intersection of CR-121 at US 1



RAILROAD COORDINATION

There are two existing at-grade railroad crossings within the project limits: single-track Norfolk Southern Crossing (713 539W) located just south of CR-2 (**Figure 12**), and double track CSX Crossing (620729R A607.79) located approximately one mile south of the CR-121/US 1 intersection (**Figure 13**). Kimley-Horn understands the County wishes to mill and resurface the pavement within the railroad right of way up to the dynamic envelop of the tracks, as well as upgrade all advanced warning signage and pavement markings to current FDOT Standards. Early coordination with both CSX and Norfolk Southern is crucial for the design schedule and success of this project. Kimley-Horn will assist the County in initiating coordination efforts with both agencies once 30% plans are complete. At this stage, we will work with the County to apply for the necessary permits required for construction, currently anticipated to be Non-Environmental Right of Entry agreements. Kimley-Horn understands that working within CSX and Norfolk Southern rights of way will require the contractor to have railroad protection insurance and flagmen present during construction, which will impact construction costs.



Figure 12: Norfolk Southern Railroad Crossing (713 539W)



Figure 13: CSX Railroad Crossing (620729R A607.79)

DRAINAGE

There are seven major box culverts located within the project corridor as well as multiple minor pipe culvert crossings. Our team understands that Nassau County's main priority for this project is pavement rehabilitation. When evaluating each box culvert, our recommendations for improvement will be categorized as either maintenance or safety.

Safety issues related to the existing box culverts can arise from inadequate culvert sizing, diminished structural integrity, or substandard guardrail. Our design team will coordinate with Nassau County staff to determine if there is a history of overtopping at any of the culvert locations. A hydraulic analysis will be conducted to determine if the existing structures are adequately sized. Site visits will be performed in addition to a review of the full bridge inspection reports to determine the existing condition of the culverts. Some common issues include signs of diminished service life, buildup of sediment, scaling, and scour. Following this evaluation of the existing box culvert's functional status, our team will coordinate with the County on our findings to discuss recommendations.

Maintenance issues our team will address include bank erosion and mowing limits. Erosion issues were observed at some guardrail locations. To address this, shoulder gutter will be evaluated to direct the flow of water and prevent it from sheet flowing uncontrolled.

Figure 14 shows one area at an existing box culvert within the project corridor experiencing erosion issues.

Keeping in mind the County's priority of rehabilitation of the pavement, our team will coordinate with Nassau County staff and recommend drainage improvements that pose a maintenance or safety concern.



Figure 14: Erosion issues encountered above an existing concrete box culvert

TEMPORARY TRAFFIC CONTROL

There are two temporary traffic control (TTC) strategies that can be implemented for this project (see Figure 15). Daytime single-lane closures can apply to project areas where the existing pavement will be milled and overbuilt/resurfaced using FDOT Standard Plans Index 102-603. Under this plan the contractor utilizes flagger or temporary signal operations to close a single lane over a length that he can complete milling/paving operations in a single work period. At the end of the work period, two-way traffic is restored.

The second TTC strategy can apply to areas of the project where simple milling and resurfacing is not sufficient and base repair/replacement is needed. In these areas it is not reasonable to expect that the contractor can efficiently rebuild the existing base and apply an initial structural course of asphalt over the base in a single work period. In these areas, the most effective strategy is to utilize a longer-term temporary lane closure taking place in segments throughout the corridor. This approach requires temporary traffic signals in accordance with FDOT Std index 102-606. The key to this strategy is to ensure that at the end of the contractor's work operation there is no more than a 3-inch drop off adjacent to the active travel lane.

A modified version of the second TTC strategy can be applied to the existing box culverts in areas where a road closure and detour are not feasible. Temporary asphalt will be added to the cross section along with staked temporary barriers on both sides to protect drivers from the construction activities and drop off hazard. Figure 15 shows an example of Phases II and III of a modified single-lane, two-way operation over a box culvert as implemented in CR-121 Phase 1.

Phase 2D, from Bay Road to US 1, has available routes to detour traffic which allows a full closure of CR-121. A full road closure allows a contractor to increase production and decrease cost of maintenance of traffic items, such as protective barrier walls and temporary signals. The first route would detour traffic from CR-121 to Bay Road and Conner Nelson Drive. The detour will be approximately 5.78 miles and will allow CR-121 over CB #0052 and a 3x48" culvert to be completely closed during construction. The second detour route will be CR-121 to Andrews Road and Sundberg Road. This detour route will be approximately 3.50 miles and will allow for the road to be completely closed while construction is occurring over Bridge #7412. The detour routes mentioned can be seen in the above map (see Figure 16).

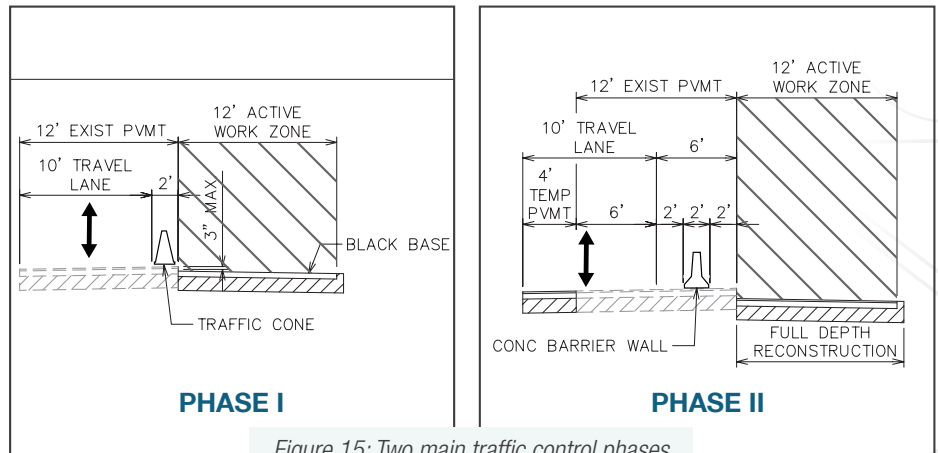


Figure 15: Two main traffic control phases

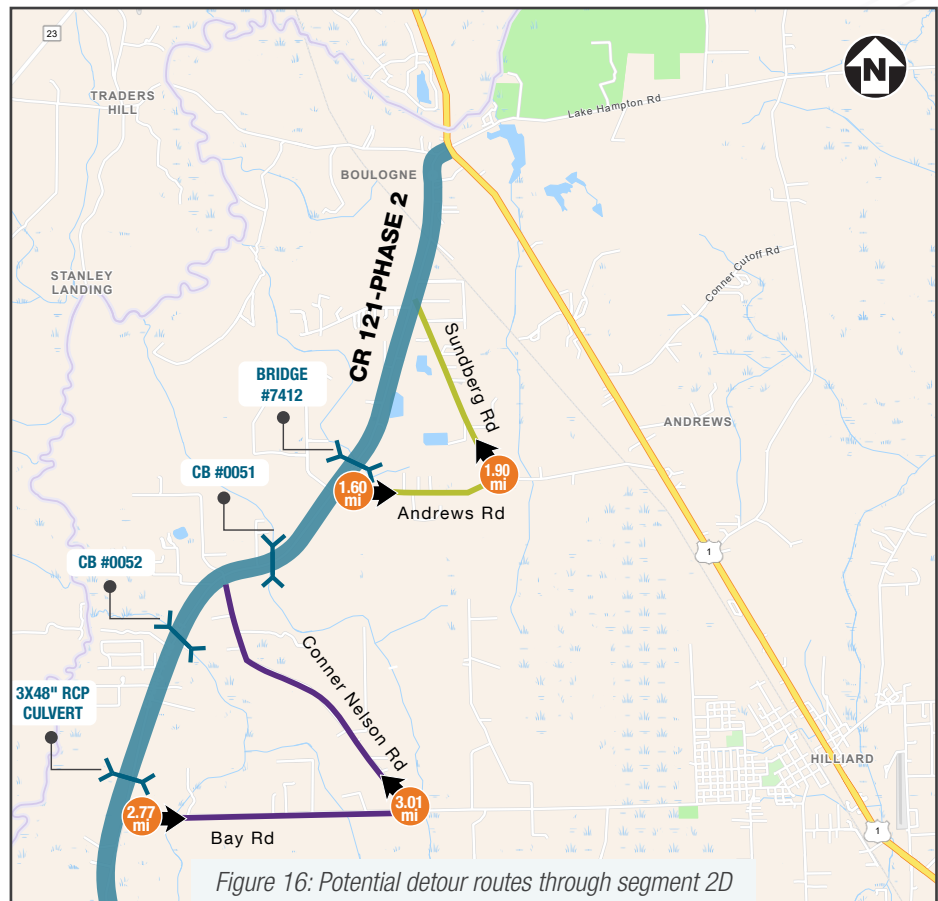


Figure 16: Potential detour routes through segment 2D to accommodate a full road closure during construction

SIGNING AND PAVEMENT MARKINGS

The Kimley-Horn team is aware that the County has recently made signing improvements to the CR-121 project corridor as well as lowered the posted speed to 45 mph due to safety concerns associated with wet weather pavement conditions. Our approach to the signing and pavement marking plans for this project will be to protect and utilize the new signing installed earlier this year as well as return the posted speed limit of 55 mph following the completion of the pavement rehabilitation. Regarding replacement pavement markings, we offer the following:

No Passing Zone Study: As part of this project, we recommend the County include a No Passing Zone study to establish the centerline pavement markings for the project. A no passing zone study will evaluate and determine the location of new centerline striping to set areas where passing is to be prohibited due to sight distance and or intersecting street conditions. Since the centerline pavement markings will be replaced, now would be the appropriate time to confirm proper placement. AutoCAD 2024 has made the evaluation of passing sight distance along a corridor more efficient by utilizing the vertical and horizontal curve information against FDOT's sight distance recommendations to give an output of stations that the Kimley-Horn design team can use to determine a no passing zone.

Abbreviated Marking Plans: A signing and marking plan will be necessary as part of this resurfacing project. Due to the length of the project, we propose an abbreviated approach to the plans. While most of the project can be handled with station ranges and a typical section/detail denoting pavement marking, some areas, such as intersections will require a more detailed plan sheet layout.

Audible and Vibratory Treatments (AVT): Throughout Segment 2A, from CR-119 to CR 2, there are existing UFO RPMs spaced 30 inches apart on the white edge stripes (see Figure 17). In the improved condition, these UFO RPMs will be replaced as they exist today. North of CR 2 where there are no existing UFO RPMs, we will coordinate with the County on the implementation of AVTs where needed. Along CR-121 south of CR-119, UFO RPMs are being used along the white edge stripes within all horizontal curves. A similar treatment within the CR-121 Phase 2 project is recommended for consistency through the corridor.

SAFETY REVIEW / CRASH DATA

Kimley-Horn has over two decades of traffic safety studies experience working with FDOT District Two and the surrounding counties. Based on this extensive safety background, we performed a preliminary review of the crash records from January 1, 2019, to December 31, 2023, along CR-121 from the CR-119 to US 1 (see Figure 18) for crash locations. A total of 71 crashes were reported within the study period and study limits. The majority of the crashes were single-vehicle crashes (61.97%). Of these 44 crashes, 33 were determined to be crash types that may be associated with a two-lane rural roadway: off-road, ditch, fixed objects, animal, and other collisions. There was one fatal crash that occurred when a vehicle ran off the roadway and overturned near Paradise Drive on CR-121.

To reduce the number and severity of roadway departure crashes different safety strategies can be considered. In most cases, low cost, highly effective solutions are available for implementation. Strategies to keep vehicles on the roadway include rumble strips, signing, and delineation. Currently, there are edge stripe UFO RPMs installed through Segment 2A of the corridor, from CR-119 to CR 2. Strategies to reduce the potential for a severe crash when vehicles do leave the roadway or cross into opposing

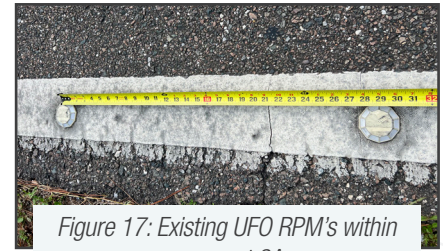


Figure 17: Existing UFO RPM's within segment 2A

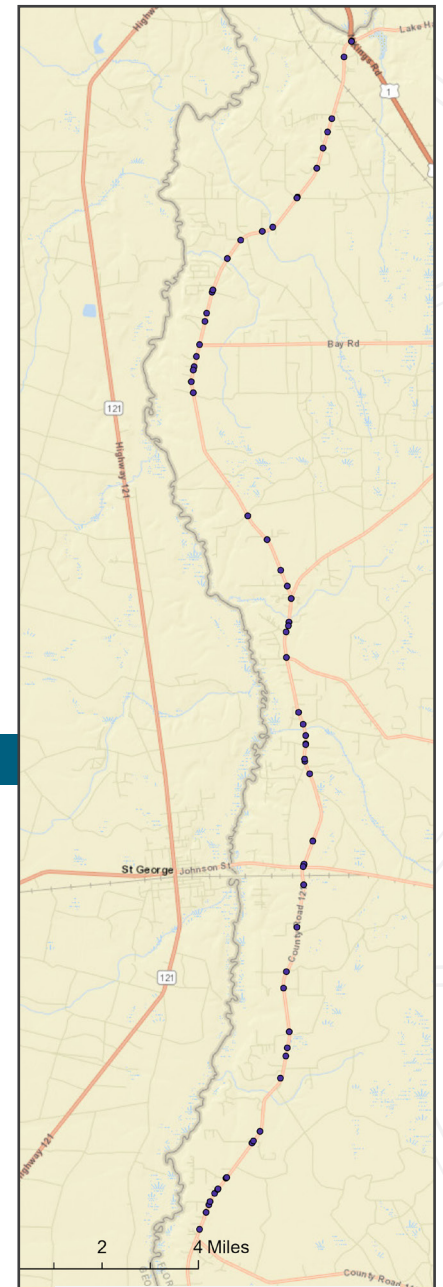


Figure 18: Crash locations along the CR-121 corridor

traffic lanes include shoulder installation, widening the separation between opposing direction lanes, and removing fixed objects and slope flattening. Another area for lane departure crashes is speed related where reduced speed may have prevented the crash. Countermeasures to reduce excessive speeding include shoulder widening to narrow travel lanes, pavement markings, and enforcement. We understand this project proposes to install white edge stripe UFO RPMs in areas of horizontal curvature to reduce lane departures. Our team can coordinate with Nassau County to determine if other reduced cost improvements can be proposed to improve the safety and travel speed along the corridor.

ROADSIDE SAFETY

Our team recognizes and understands the County's budget constraints for this project and the main goal of rehabilitating the existing pavement. We intend to provide the County with a list of the roadside safety improvements that are priority. Included in this list will be items recommended as part of the project as well as items that can be included as bid alternatives. The bid alternatives can be part of this contract or be held for future projects with the County when funding becomes available. The following roadside safety concerns to be evaluated:

- Roadside hazard conditions with the clear zone
 - » Clear Zone of 24-ft in areas of posted speed 45
 - » Clear Zone of 30-ft in areas of posted speed 55
- Roadside front slopes steeper than 1:4
- Cross drain endwall/mitered end sections
- Sidedrain end treatments
- Guardrail replacement and end anchorage upgrades to meet current crash standards
- Flared end section replacements

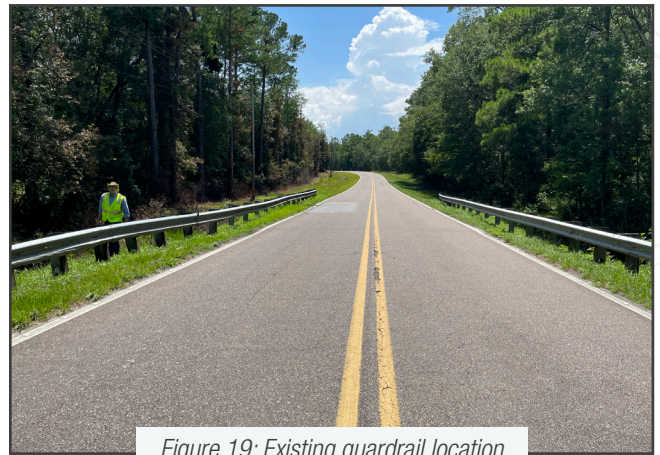


Figure 19: Existing guardrail location

GRANTS

The County's current funding of \$13.66 million, a combination of FDOT grant and County appropriations, will not cover the construction of the improvements for the CR-121 Phase 2 corridor. Additional grant funding can play a pivotal role in bringing this construction to the finish line with all intended pavement rehabilitation improvement elements included. Kimley-Horn's Grants team is knowledgeable and experienced in both federal and state grant applications. Our team can assist the County in applying for any applicable grants, including but not limited to the following:

- Rebuilding American Infrastructure with Sustainability and Equity (RAISE)
- The Rural Surface Transportation Grant Program, as part of the Multimodal Project Discretionary Grant (MPDG)
- Bridge Investment Program (BIP)
- National Culvert Removal, Replacement, and Restoration Grant



TRANSPORTATION

Rebuilding American Infrastructure with Sustainability and Equity (RAISE) | Infrastructure for Rebuilding America (INFRA) | Rural Surface Transportation Grant Program (RURAL) | Safe Streets and Roads for All (SS4A) | Reconnecting Communities Pilot Grant Program (RCP) | Consolidated Rail Infrastructure and Safety Improvements (CRISI) | Boating Improvement Program (BIP) | Waterway Assistance Program (WAP)

Bridge Strengthening
Safety Action Plans
Aviation Improvements
Electric Vehicle Infrastructure
Transportation Technology
Rail Grade Crossing Elimination
Design, NEPA, & Planning Studies
Road Profile Raising & Other Resilience
National Scenic Byways Improvements

PROJECT SCHEDULE

Our team understands that the County's main schedule driver is the FDOT State Funded Grant Agreement (FPID 449196-2-54-01), which has an expiration date of December 31, 2026. Based on the current understanding of the project's scope of services as well as our experience with the CR-121 Phase 1 project, design plan submittals are proposed at 60%, 90%, and final design developmental stages. Excluding 30% and 100% plans can save time on both production and County review. The schedule we have included in our proposal reflects a design duration of 11 months, with an anticipated notice to proceed in January 2025. **The design team currently producing the CR-121 Phase 1 construction plans will be available to transition directly to producing this project once the final plans are delivered in November 2024.**

Our team will coordinate with Nassau County staff and strive to have the project completed to meet the FDOT State Funded Grant Agreement expiration of December 31, 2026. If a timeline extension is needed, our team is committed to assisting the County in requesting an extension from FDOT.

SAM has actively collected Lidar data, a critical path task, affording a 2-months savings to the Phase II schedule.

Kimley-Horn has a long successful history of working with clients in a very collaborative way to meet design delivery schedule requirements. Some of the techniques we have used to meet schedule requirements include:

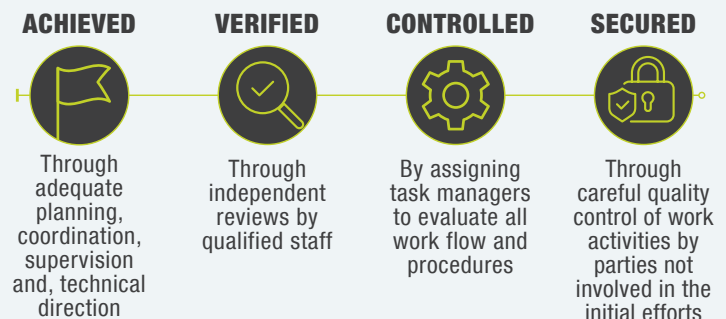
- Reduce number of formal Phase submittals as proposed in our current schedule
- Replace formal phase reviews with more frequent phase review meetings between our team and the County staff

The Kimley-Horn team looks forward to the opportunity to continue our work with Nassau County staff to make sure there is sufficient design time to ensure a high-quality final design deliverable that is completed on a timeline that allows the County to meet its construction letting expectations. A detailed copy of our proposed schedule is provided on the following page.

Kimley-Horn insists **each project has a carefully structured scope of services, a corresponding schedule, and an accurately developed budget.** We simply do not begin an assignment until these three elements are in place and mutually agreed upon by Kimley-Horn and the client. Each project undertaken at Kimley-Horn has a quality review task built into it, and all projects over a certain fee amount are assigned a Quality Control Manager. Earl Wills, PE who served as Kimley-Horn's project manager on Phase 1 has been tapped to provide quality control services. His knowledge of this roadway and the client will ensure these measures are requirements and are implemented at the project level for best results.

Our internal QC/QA program will include:

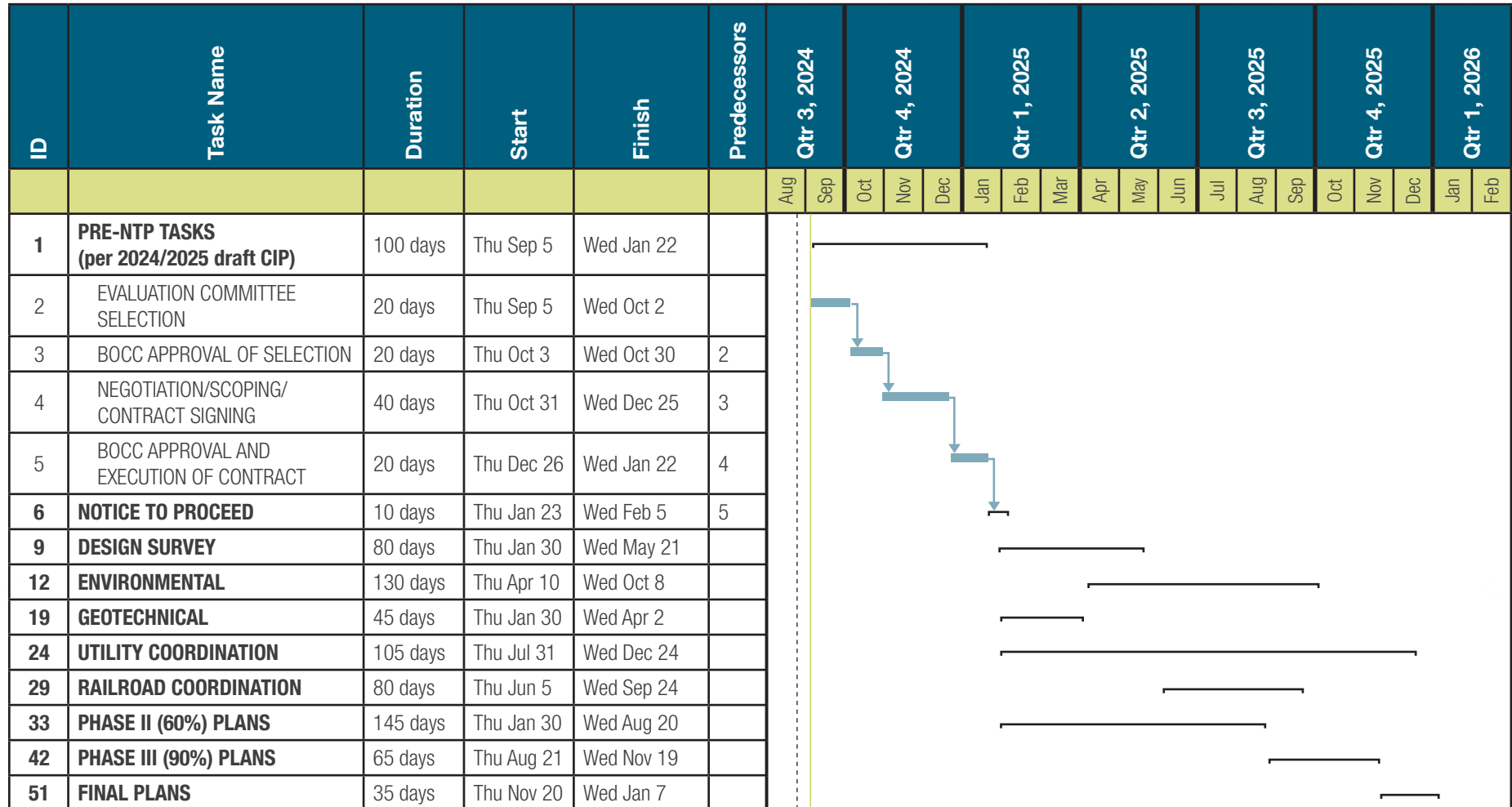
- An internal kick-off meeting held with key team members assigned to the job to clearly define the scope, outline subtask responsibilities, establish schedules, and identify project milestones and goals.
- At the end of each phase, a QC/QA review will be conducted as one of several final checks to make sure the project deliverable is not only technically correct but also consistent with your objectives.
- Any changes or modifications required to respond to the comments and recommendations of the quality control team will be incorporated during the ongoing analysis before submitting deliverables.



ROLES AND RESPONSIBILITIES

Our current work with Nassau County between the Duval County line and CR-119 has provided a unique perspective for our team to prepare for this RFQ. **Jessica Novak, PE** will serve as the project manager and EOR and as such will be responsible to perform all the duties of project management including open communication with the County, ensuring prompt response for questions and concerns, and ultimate responsibility for customer satisfaction. Jessica will work in close liaison with the Nassau County staff throughout project development, and specifically at status review meetings. In addition, she will carefully

PROJECT SCHEDULE



evaluate and monitor job progress and report to you. Jessica will also be responsible for developing a comprehensive work plan at the project-scoping phase that includes a list of project tasks, scheduling requirements, manpower requirements, and equipment and material requirements necessary to complete these tasks on time and within budget. Our work plan will be continually monitored and revised as the project progresses, to meet time and budget constraints. **Chris Towne, PE** will ensure the team adheres to the management plan and follows project standards while training and coordinating the team's activities. Chris will help to resolve technical issues and conflicts, provide a sounding board for team, and act as contract liaison for the client.

Kimley-Horn **employs a structured approach to all of our projects that integrate staff resources, schedule, and budget management.** Incorporating quality assurance and continuous quality improvement for each phase of the project ensures excellence in our project deliverables and client satisfaction. Project managers are trained to maintain a level of flexibility to account for the unexpected. The proposed team knows that resources, schedules, and budgets can be managed, but unknowns must be carefully planned so project trade-offs can be accurately assessed. This aspect of our business is openly communicated and actively advocated within Kimley-Horn.

Kimley-Horn understands how critical effective project management and adherence to budget and schedule are to a successful project. That's why we have documented procedures and controls in place to ensure our projects are delivered on time and within budget, including auditable time tracking and forecasts on workload and costs to complete contracted work. We carefully evaluate and monitor job progress and distribute progress reports to all project team members and ensure their availability through our "Castaheads" workload forecasting model. This process forecasts our workload over a weekly, monthly, and six-month period and helps us avoid work overloads and/or shortfalls for each office and discipline.

Our project management approach consists of the following proven fundamentals:

- Develop a clear understanding of what the project is to accomplish (what services we will deliver)
- Develop a comprehensive work plan and schedule to accomplish the project goals (when we will deliver)
- Set weekly milestones (more manageable) that support the larger milestones
- Review milestones with the project team on a weekly basis
- Involve stakeholders as integral members of the team
- Coordinate with other consultants
- Create an atmosphere that encourages clear communications and teamwork to accomplish the project goals

Kimley-Horn operates a client-centered style of management-oriented toward maintaining the high levels of quality and communication that you have come to expect.

The roles and responsibilities of each of the engineers is provided in our organizational chart shown on page 9.

Subconsultants



SAM Surveying and Mapping, LLC (SAM) started as a land surveying company in 1994 and has since expanded its services to offer a complete suite of geospatial services including professional land surveying, airborne/mobile/terrestrial LiDAR, Geographic Information Systems (GIS), Subsurface Utility Engineering (SUE), Utility Coordination (UC), aerial mapping, and photogrammetry. SAM's complete geospatial approach provides us the tools and skills to develop efficient and customized solutions for transportation projects of any scale. This gives clients the benefit of a single point of contact for a comprehensive set of surveying and mapping products. SAM's **Jason Hill, PSM** and **Fred Bermudez, PSM** are also working with Kimley-Horn on CR-121 Phase 1 for Nassau County.



Geotechnical Specialists, Inc. (EGS) is an MBE/DBE firm of Environmental and Geotechnical specialists, providing specialty services to the design team. EGS is highly qualified and has outstanding work experience throughout the State of Florida. EGS specializes in wetland permitting, environmental site assessments, geotechnical designs, geophysical surveys, contract drilling, Temporary Traffic Control (TTC) / Maintenance of Traffic (MOT), and advanced geotechnical laboratory testing services.

The staff at EGS have been providing professional services since 1992, and EGS staff have over 250 years of company-wide geotechnical design experience. EGS has extensive experience working for the Florida Department of Transportation (FDOT), local municipalities, and the Federal Aviation Administration (FAA) on complex geotechnical and environmental permitting projects throughout the State of Florida.

Recommendations / Cost Containment

Kimley-Horn and our subconsultant teaming partners have a great track record of delivering highly successful and cost-efficient roadway reconstruction and resurfacing projects to our clients. Many of these projects have included innovative and/or leading-edge technology components that have allowed us to deliver high quality construction documents on or ahead of schedule. Below are some of the innovation and methodologies our team can bring to Nassau County on this CR-121 Phase 2 project.



Geotechnical

Combining the use of Ground Penetrating Radar (GPR) and the image-based pavement condition assessment to supplement pavement core data will allow our design to more accurately define where milling and resurfacing is appropriate versus pavement reconstruction. **Minimizing areas of reconstruction will minimize construction costs.**

Pavement Design

In areas requiring pavement reconstruction over existing box culverts, our team has recommended the use of **Geosynthetic Reinforcement in conjunction with an Asphalt Base Course** to further armor the base of the road on either side of the culvert where pavement failure has been noted. This can also **expedite construction and avoid costs associated with temporary pavement to maintain traffic.**

3D Modeling

The use of 3D modeling in our design analysis allows our team to develop highly accurate resurfacing and cross slope correction designs as well as the ability to analyze multiple pavement design options to determine the most cost-effective solution for the County. This same 3D model can also be used to **efficiently calculate passing site distance when performing a No Passing Zone Study.**

Plans Development using Bid Alternatives

The Kimley-Horn team recommends that the construction plans for this project be structured to include bid alternatives for work elements outside the pavement rehabilitation focus such as Roadside Safety Improvements and Culvert Replacement/Extensions. This methodology would allow the County at the time of bid selection to have **more cost-effective control over the improvements to be provided.**

Schedule Improvements

Reduce the number of formal phase reviews and work interactively with Nassau County staff on a continuing bases to **compress design schedule without impact to design/plan quality.** Similar to what our team implemented with CR-121 Phase 1; our proposed schedule skips a 30% design submittal.

Plans Production Efficiencies

In areas of the limits of milling and resurfacing where the horizontal and vertical alignment won't change from existing, special details and typical sections can be enough to direct a contractor how to conduct the improvements. **This saves on the production effort of plan sheets and the Nassau County staff's review effort.**

TAB 6

References



TAB 6 – REFERENCES

Kimley-Horn is pleased to present our references of recent experience with similar clients providing relevant services by the members of our team in the past five years. Kimley-Horn has a reputation for helping our clients achieve success. We listen to their needs, meet their schedules, accomplish their missions, deliver results, and exceed expectations. Our employees are taught to respect and appreciate their clients and put forth the extra effort to guarantee those clients return to us at the next opportunity. We invite you to contact them personally regarding our work history and quality of service.

CR-121 PHASE 1, NASSAU COUNTY, FL

Kimley-Horn was selected to provide design survey, geotechnical investigation, flexible pavement design, roadway design, drainage cross drain analysis, temporary traffic control design, signing and pavement marking design and bidding phase support services for the **reconstruction/resurfacing** of 7.5 miles of CR-121, from the Duval County line to CR-119. The project provides improvements to the roadway pavement structure and shoulders to improve long term safety. The proposed full depth pavement reconstruction will eliminate base failure issues that currently exist within the corridor. Other improvements include correcting cross slopes and shoulder build up to more effectively remove rainfall from the pavement.

Client Name, Address, Phone Number, and Email Address: Nassau County Engineering Services, 96161 Nassau Place, Yulee, FL 32097, 904.530.6225

Client Project Manager: Robert Companion, PE, Deputy County Manager, rcompanion@nassaucountyfl.com

Description of Services Performed: Roadway design and reconstruction

Performance Period: 2022-2024 (12/2024 est.)

Total Amount of Contract: \$830K

CR 470 PHASED DESIGN, THE VILLAGES, SUMTER COUNTY, FL

Kimley-Horn was selected by The Villages to design and permit **roadway widening improvements** along CR 470 from approximately 1,700 feet west of the Sumter/Lake County line to approximately 3,000 feet east of the Florida Turnpike's northbound ramp terminal intersection. The improvements were intended to accommodate the ongoing and expected growth in the area. The overall length of the project limits are approximately 2.1 miles. The project was divided into four phases:

- CR 470 Phase 1S – from approximately 1,700 feet west of the Sumter/Lake County line to the Sumter/Lake County line
- CR 470 Phase 1L –from the Sumter/Lake County line to the west end of the Florida Turnpike's limited access right of way
- CR 470 Phase 2 –from the west end of the Florida Turnpike's limited access right of way to the east end of the Florida Turnpike's limited access right of way
- CR 470 Phase 3 –from the east end of the Florida Turnpike's limited access right of way to approximately 3,000 feet east of the Florida Turnpike's northbound ramp terminal intersection



The improvements across all phases included widening the CR 470 corridor from **a 2-lane undivided roadway with open drainage to a 4-lane divided roadway with a closed drainage system**. A new bridge was designed and will be built over

the Turnpike to accommodate the future westbound travel lanes along CR 470. Five new traffic signals will be constructed within the limits, including one at each of the Turnpike's ramp terminal intersections. One new roundabout was designed at the intersection of CR 470 and McNeill Drive as part of Phase 1S.

Services included roadway design, temporary traffic control, drainage design, signal design, structural design, signing and pavement marking, lighting, ITS, utility coordination, permitting, easements coordination, and cost estimating. The project required permitting through Sumter County, Lake County, Florida's Turnpike, the Southwest Florida Water Management District, and the St. Johns River Water Management District.

Client Name, Address, Phone Number, and Email Address: 1000 Lake Sumter Landing, The Villages, FL 32612, 352.259.2232 Main Office

Client Project Manager: Tommy McDonough; 352.753.6219 (direct all communications through Administrative Assistant; Reesa Goodwin-Hornbuckle), reesa.goodwin@thevillages.com

Description of Services Performed: Roadway design and drainage

Performance Period: 2020-2024

Total Amount of Contract: \$2.6M

SW 150TH LOOP ROAD RECONSTRUCTION, UNION COUNTY, FL

Kimley-Horn was retained to convert this **one-mile limerock/dirt road to asphalt**. The project consisted of providing survey, permitting, design, and minimal construction phase services for the reconstruction of SW 150th Loop from SR 121 to SR 121. Kimley-Horn provided the evaluation and design plans for pavement, utilities, and erosion. The reconstructed typical sections were designed with an anticipated lane width of **9 feet and drainage conveyed through roadside swales and roadway cross sections** will be developed at 100-foot intervals.

Client Name, Address, Phone Number, and Email Address: Union County, 15 Northeast 1st Street, Lake Butler, FL 32054, 386.496.4241, N/A, bcc@unioncounty-fl.gov

Client Project Manager: Jimmy Williams, 386.623.1316, countycoord@unioncounty-fl.gov

Description of Services Performed: Roadway design and reconstruction

Performance Period: 2018-2021

Total Amount of Contract: \$108,897.50



MILLING AND RESURFACE CR 219A FROM US-301 TO SR 26, ALACHUA COUNTY, FL



Kimley-Horn was retained to provide **roadway design plans and permitting support** for improvements to this approximately 6.5 mile, **2-lane rural road** in Alachua County. Services included cross slope correction **utilizing current FDOT standards**, utility coordination, drainage design, signing and pavement markings, maintenance of traffic, and permitting coordination with SJRWMD. In addition, intersection analysis was performed to install safety countermeasures.

Client Name, Address, Phone Number, and Email Address: Alachua County, 5620 N.W. 120th Lane, Gainesville, FL 32653, 352.374.5245

Client Project Manager: Tom Strom, P.E., 352.548.1223, tstrom@alachuacounty.us

Description of Services Performed: Roadway design and reconstruction

Performance Period: 2019-2021

Total Amount of Contract: \$296,620.50



CR 238N WIDENING AND RESURFACING, UNION COUNTY, FL

The Kimley-Horn team will provide survey, permitting, design, and minimal construction phase services for this **1.6 mile widening and resurfacing** of CR 238N from SR 100 to NE 111th Way. The roadway design was prepared according to applicable FDOT design standards and specifications. In addition to roadway design of typical and cross sections, Kimley-Horn adhered to **Maintenance of Traffic (MOT) requirements for the construction of this project using FDOT Standard Plans and compiled additional erosion control measures** that were implemented depending on site conditions.

Client Name, Address, Phone Number, and Email

Address: Union County, 15 Northeast 1st Street, Lake Butler, FL 32054, 386.496.4241, N/A, bcc@unioncounty-fl.gov

Client Project Manager: Jimmy Williams, 386.623.1316, countycoord@unioncounty-fl.gov

Description of Services Performed:

Performance Period: 2018-2023

Total Amount of Contract: \$481,090



THOMPSON NURSERY ROAD EXTENSION, POLK COUNTY, FL

Kimley-Horn is providing roadway and structural design services for this 6.4 mile widening and extension project between US 17 and West Lake Ruby Drive in Winter Haven. The project is being designed in phases, and Kimley-Horn has completed the design of Segment 1 and is finalizing an alignment study and final design plans for the design/construction of Segments 2, 4, and 5.

The project includes engineering design, a PD&E study, environmental evaluations, permitting, construction plan development, right-of-way acquisition support, and bid documents/bidding assistance. The engineering design components of the project are **roadway design, structures, drainage, signing and pavement markings, lighting, signalization, utility adjustments and coordination**, public involvement, planning, cultural resources, and geotechnical services. Existing portions of the roadway will be reconstructed to a 4-lane divided typical section.

Client Name, Address, Phone Number, and Email Address: Polk County-Roads & Drainage Division, 200 Government Center Blvd, Lake Alfred, FL 33850

Client Project Manager: Jose Fernandez, Project Manager, 863.535.2200, josefernandez@polk-county.net

Description of Services Performed: Roadway design and reconstruction

Performance Period: 2022-12/2024 (est.)

Total Amount of Contract: \$119K (original value), \$2.759M (with extended projects)

SR-5A RESURFACING, FDOT DISTRICT TWO

Kimley-Horn provided professional engineering and plans production services for the **milling and resurfacing** of SR-5A from north of King Street to SR-16 (Picolata Road) in through historic downtown St. Augustine. The project also included drainage improvements, sidewalk, signalization upgrades for vehicle detection, and installation of RRFBs at uncontrolled pedestrian crossings through downtown historic St. Augustine. Drainage improvements were made to **replace existing drainage outfall pipes with backflow preventers to mitigate storm surge flooding** in response to Hurricanes Matthew and Irma, which occurred during the design. Modified **special provisions for fuel-resistant asphalt** were required in areas where horse carriages park and the pavement design were modified accordingly. Additionally, the existing on street parking was inventoried to remove non-compliant spaces that interfered with sight distance at intersections and also to allow for the construction of bulb-outs at the RRFB locations. The signalization upgrades were completed within a very constrained ROW.

Client Name, Address, Phone Number, and Email Address: FDOT District Two, 1109 S Marion Ave, Lake City, FL 32025, 386.758.3700, N/A

Client Project Manager: Renee Brinkley, 386.961.7392, renee.brinkley@dot.state.fl.us

Description of Services Performed: Roadway Design and reconstruction

Performance Period: 2016-2019

Total Amount of Contract: \$753,253.69



TAB 7

Current Workload



TAB 7 – CURRENT WORKLOAD

Kimley-Horn has the necessary resources and expertise to take on the County's projects without compromising the quality of our work. Our team has a long history of achieving successful project completion through a combination of effective project management and technical expertise.

The key to our success is managing the right resources at the right time. We emphasize project management using bi-monthly effort reports that give our project managers up-to-date staffing and expense information related to their projects. This information enables them to continuously monitor the status of project cost, cost control effectiveness, and schedule. In addition, Kimley-Horn will hold monthly progress meetings with Nassau County staff to communicate progress to date and the next steps to be taken. The following workload schedule is current for our team for the NC24-023-RFQ-Professional Design Services for CR-121 from CR-119 to US-1 improvement project. This team is available to begin this next phase of the CR-121 rehabilitation on your schedule. A list of the current projects in production for the Jacksonville office include:

Project Name	Project Size (KH Fee)	Percent Complete	Completion Dates	Team Members	Project Status
Nassau County					
CR-121 Phase 1	\$830K	80%	11/2024	Jessica Novak, Chris Towne, Earl Wills, Alex Cremeans, Ellen Crist, Rachel Marshaus, Olivia DeSarno, Barry Switzer, Victor Gallo, Michelle Mecca, Wendy Krehbiel, Joseph Roberts	On Schedule
FDOT					
SR 26 Resurfacing	\$890K	99%	9/2024	Wendy Krehbiel, Michelle Mecca, Ellen Crist, Earl Wills	On Schedule
St. Johns County					
Old Moultrie Road	\$508K	90%	12/2024	George Roland, Jessica Novak, Ellen Crist, Michelle Mecca, Earl Wills, Wendy Krehbiel, Joseph Roberts, Victor Gallo, Barry Switzer	Schedule Ext. for Scope+
CR 208 Bridge Replacement	\$432K	95%	8/2024	Ellen Crist, George Roland, Joseph Roberts	Schedule Ext. for Scope+
St. Johns County On-Call Traffic/Structural Engineering Services	\$378K	Ongoing	3/2025	Michelle Mecca, Wendy Krehbiel, Joseph Roberts	TWO's on an as needed basis
City of St. Augustine					
MLK Streetscape	\$901K (Ph 1 & 2)	Phase 1 Complete 45% (PH 2)	4/2025	Rachel Marshaus, Alex Cremeans, Olivia DeSarno, George Roland	On Schedule

Kimley-Horn and our proposed subconsultants have committed to the availability of the staff identified in this proposal. Our experienced team will provide the County with a high-quality product that is within budget and on schedule. The key staff identified on our organizational chart are immediately available to work on this project. We have studied our current and future workload and determined that many of our current projects including CR-121 Phase 1 are nearing completion, freeing up staff to work on this project. We have reviewed the staffing availability over the next 24 months for the key team members and determined that they will all have adequate time to complete their assigned tasks.

TAB 8

Costs



TAB 8 – COSTS

As requested, Kimley-Horn will comply with Florida Statutes Chapter 287.055 “Consultants’ Competitive Negotiation Act”, and therefore is not including any pricing. We understand and will comply with the County’s request for price/hourly rates if selected as the most qualified firm.



TAB 9

Attachments/Forms Administrative Information



TAB 9 – ATTACHMENTS/FORMS

ADMINISTRATIVE INFORMATION

- Form A – Sworn Statement Under Florida Statute 287.133(3)(A) On Public Entity Crimes
- Form B – Respondent Questionnaire
- Form C – Drug Free Workplace Certificate
- Form D – E-Verify Affidavit
- Form D-1 – Contractor E-Verify Affidavit
- Form D-2 – Subcontractor E-Verify Affidavit
- Minimum Insurance Requirements



FORM A

SWORN STATEMENT

UNDER FLORIDA STATUTE 287.133(3)(a) ON PUBLIC ENTITY CRIMES

TO BE RETURNED WITH BID

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

1. This sworn statement is submitted with Bid, Proposal or Contract for
RFQ No. NC24-023 Professional Design Services For CR-121 From CR -119 to US 1.
2. This sworn statement is submitted by Kimley-Horn and Associates, Inc.
(entity submitting sworn statement), whose business address is
12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258
and its Federal Employee Identification
Number (FEIN) is 56-0885615. (If the entity has no FEIN, include the Social
Security Number of the individual signing this sworn statement: _____.)
3. My name is George Roland, PE (please print name of individual signing),
and my relationship to the entity named above is Associate.
4. 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 public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services, any leases for real property, or any contract for the construction or repair of a public building or public work, 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.
5. I understand that "convicted" or "conviction" as defined in paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction or a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in paragraph 287.133(1)(a), Florida Statutes, means:
 - a. A predecessor or successor of a person convicted of a public entity crime; or
 - b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not to fair market value under an arm's length agreement, shall be prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees,

members, and agents who are active in management of an entity. 8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☒ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ The entity submitting this sworn statement, or one of more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, and (Please indicate which additional statement applies.)

☐ There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the Hearing Officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

George Roland
Signature

8/27/2024

Date

State of: Florida

County of: Duval

Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or _____ online notarization, this 27th day of August, 20 24 by George Roland who is ☒ personally known to me or _____ produced _____ as identification.

Sarah M. Crafford
Notary Public

My commission expires: 1/6/2028



SARAH M. CRAFTFORD
Notary Public
State of Florida
Comm# HH454481
Expires 1/6/2028

FORM B

RESPONDENT QUESTIONNAIRE

The following questionnaire shall be answered by the Respondent for use in the evaluation process.

1. Company Name: Kimley-Horn and Associates, Inc.
Address: 12740 Gran Bay Parkway West, Suite 2350
City/State/Zip: Jacksonville, FL 32258
Phone: Email: 904.828.3937 jessica.novak@kimley-horn.com
Website Address: www.kimley-horn.com
2. COMPANY STRUCTURE:
☐Sole Proprietor ☐Partnership ☒Corporation ☐Other
3. Are you registered with the FL Secretary of State to conduct business? ☒Yes ☐No
4. Are you properly licensed/certified by the Federal or State to perform the specified services?
☒Yes ☐No
5. EXPERIENCE:
Years in business: 57 years
Years in business under this name: February 10, 1967 (incorporated in North Carolina)
Years performing this type of work: 57 years
Value of work now under contract: Kimley-Horns most recent financial data is included in the State of Financial Capability
Value of work in place last year: 2023 revenues are provided in the attached Letter of Financial Capability
Percentage (%) of work usually self-performed: 80% - 90% (As subconsultant percentages fluctuate from year to year)
Name of sub-vendors you may use: SAM Survey & Mapping, LLC and Environmental and Geotechnical, Inc
Has your company: Failed to complete or defaulted on a contract: ☐Yes ☒No
Been involved in bankruptcy or reorganization: ☐Yes ☒No
Pending judgment claims or suits against firm: ☒Yes ☐No
6. PERSONNEL
How many employees does your company employ: 8,697 nationwide (as of 8/25)
(may use additional sheets if needed).

Position/Category (List all)	Full-time	Part-time
Management	478	18
Professionals	6632	185
Technicians	466	(Approx. 559 P/T as this # includes interns)
Administrative Support Workers	308	51

7. REFERENCES:

List at least three references for which you have provided these services (similar scope/size) in the past five years - preferably government agencies.

Reference #1:

Company/Agency Name: FDOT District Two

Address: 1109 S Marion Ave, Lake City, FL 32025

Contract Person: Renee Brinkley

Phone: Email: 386.961.7392; renee.brinkley@dot.state.fl.us

Project Description: Milling and resurfacing of SR5A

Contract \$ Amount: \$753,253

Date Completed: Design/construction completed late 2019

Reference #2:

Company/Agency Name: Union County

Address: 15 Northeast 1st Street, Lake Butler, FL 32054

Contract Person: Jimmy Williams

Phone: Email: 386.623.1316; countycoord@unioncounty-fl.gov

Project Description: SW 150TH Loop roadway is a one-mile limerock/dirt road converted to asphalt with 9 feet and drainage conveyed through roadside swales

Contract \$ Amount: \$108,897

Date Completed: Completed in 2021

Reference #3:

Company/Agency Name: Alachua County

Address: 5620 N.W. 120th Lane, Gainesville, FL 32653

Contract Person: Tom Strom, PE

Phone: Email: 352.548.1223 tstrom@alachuacounty.us

Project Description: Reconstruction/resurfacing of CR 219A

Contract \$ Amount: \$296,000

Date Completed: Design/Construction completed 2021

8. NOTICE OF PARTIES AND BINDING AUTHORITY

The following information is required if Respondent is selected for award of a contract with the County.

Notice to Parties

All notices, demands, requests for approvals or other communications shall be in writing, and shall be sent by registered or certified mail, postage prepaid, return receipt requested, or overnight delivery service (such as federal express), or courier service or by hand delivery to:

Contractor Name: Kimley-Horn and Associates, Inc.

Attn: Jessica Novak, PE

Mailing Address: 12740 Gran Bay Parkway West, Suite 2350, Jacksonville, FL 32258

Binding Authority

The person to execute the contract must be an officer of the company. If not an officer of the company, Respondent must provide proof of signing authority. Please provide the name, email address, and phone number of person who will execute the contract, if awarded.

Name of Person to execute contract (if awarded): George Roland, PE (See also Proof of Signing Authority)

Title: Associate

Email Address: george.roland@kimley-horn.com

Phone Number: 904.828.3929

State of Florida

Department of State


I certify from the records of this office that KIMLEY-HORN AND ASSOCIATES, INC. is a North Carolina corporation authorized to transact business in the State of Florida, qualified on April 24, 1968.

The document number of this corporation is 821359.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on April 3, 2024, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-fourth day of April,
2024*


Secretary of State

Tracking Number: 2703192226CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



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9:12:14 AM 2/26/2024

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- [View Application Status](#)
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- [Unlicensed Activity Search](#)
- [AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

Licensee Information

Name:	KIMLEY-HORN & ASSOCIATES, INC. (Primary Name)
Main Address:	421 FAYETTEVILLE STREET SUITE 600 RALEIGH North Carolina 27601
County:	OUT OF STATE
License Mailing:	421 FAYETTEVILLE STREET SUITE 600 RALEIGH NC 27601
County:	OUT OF STATE

License Information

License Type:	Engineering Business Registry
Rank:	Registry
License Number:	696
Status:	Current
Licensure Date:	05/10/1977
Expires:	

Special Qualifications

Qualification Effective

Alternate Names

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& Professional Regulation[HOME](#)[CONTACT US](#)[MY ACCOUNT](#)**ONLINE SERVICES**[Apply for a License](#)[Verify a Licensee](#)[View Food & Lodging Inspections](#)[File a Complaint](#)[Continuing Education Course
Search](#)[View Application Status](#)[Find Exam Information](#)[Unlicensed Activity Search](#)[AB&T Delinquent Invoice & Activity
List Search](#)**LICENSEE DETAILS**

8:33:49 AM 11/14/2023

This is a business tracking record only.[Click here for information on how to verify that this business is properly licensed.](#)**Licensee Information**

Name:	KIMLEY-HORN AND ASSOCIATES INC (Primary Name)
Main Address:	421 FAYETTEVILLE STREET SUITE 600 RALEIGH North Carolina 27601
County:	OUT OF STATE
License Location:	421 FAYETTEVILLE STREET SUITE 600 RALEIGH NC 27601
County:	OUT OF STATE

License Information

License Type:	Geology Business Information
Rank:	Business Info
License Number:	
Status:	Current,Active
Licensure Date:	09/27/1993
Expires:	

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& Professional Regulation[HOME](#)[CONTACT US](#)[MY ACCOUNT](#)**ONLINE SERVICES**[Apply for a License](#)[Verify a Licensee](#)[View Food & Lodging Inspections](#)[File a Complaint](#)[Continuing Education Course
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List Search](#)**LICENSEE DETAILS**

7:08:33 AM 1/23/2024

Licensee Information

Name:	MINGONET, MILTON SCOTT (Primary Name)
	KIMLEY-HORN AND ASSOCIATES INC (DBA Name)
Main Address:	200 SOUTH ORANGE AVENUE SUITE 600 ORLANDO Florida 32801
County:	ORANGE

License Information

License Type:	Registered Landscape Architect
Rank:	Landscape Arc
License Number:	LA0001428
Status:	Current,Active
Licensure Date:	10/14/1991
Expires:	11/30/2025



KIMLEY-HORN AND ASSOCIATES INC

Unique Entity ID V8PKG6NLKV6	CAGE / NCAGE 0BPM5	Purpose of Registration All Awards
Registration Status Active Registration	Expiration Date Feb 7, 2025	
Physical Address 421 Fayetteville ST STE 600 Raleigh, North Carolina 27601-1777 United States	Mailing Address 421 Fayetteville ST STE 600 Raleigh, North Carolina 27601-1777 United States	

Business Information

Doing Business as (blank)	Division Name (blank)	Division Number (blank)
Congressional District North Carolina 02	State / Country of Incorporation North Carolina / United States	URL https://www.kimley-horn.com

Registration Dates

Activation Date Feb 12, 2024	Submission Date Feb 8, 2024	Initial Registration Date May 29, 2001
--	---------------------------------------	--

Entity Dates

Entity Start Date Feb 10, 1967	Fiscal Year End Close Date Dec 31
--	---

Immediate Owner

CAGE 7F8U4	Legal Business Name APHC, INC
----------------------	---

Highest Level Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Executive Compensation

In your business or organization's preceding completed fiscal year, did your business or organization (the legal entity to which this specific SAM record, represented by a Unique Entity ID, belongs) receive both of the following: 1. 80 percent or more of your annual gross revenues in U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements and 2. \$25,000,000 or more in annual gross revenues from U.S. federal contracts, subcontracts, loans, grants, subgrants, and/or cooperative agreements?

No

Does the public have access to information about the compensation of the senior executives in your business or organization (the legal entity to which this specific SAM record, represented by a Unique Entity ID, belongs) through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986?

Not Selected

Proceedings Questions

Is your business or organization, as represented by the Unique Entity ID on this entity registration, responding to a Federal procurement opportunity that contains the provision at FAR 52.209-7, subject to the clause in FAR 52.209-9 in a current Federal contract, or applying for a Federal grant opportunity which contains the award term and condition described in 2 C.F.R. 200 Appendix XII?

No

Does your business or organization, as represented by the Unique Entity ID on this specific SAM record, have current active Federal contracts and/or grants with total value (including any exercised/unexercised options) greater than \$10,000,000?

Not Selected

Within the last five years, had the business or organization (represented by the Unique Entity ID on this specific SAM record) and/or any of its principals, in connection with the award to or performance by the business or organization of a Federal contract or grant, been the subject of a Federal or State (1) criminal proceeding resulting in a conviction or other acknowledgment of fault; (2) civil proceeding resulting in a finding of fault with a monetary fine, penalty, reimbursement, restitution, and/or damages greater than \$5,000, or other acknowledgment of fault; and/or (3) administrative proceeding resulting in a finding of fault with either a monetary fine or penalty greater than \$5,000 or reimbursement, restitution, or damages greater than \$100,000, or other acknowledgment of fault?

Not Selected

Exclusion Summary

Contract No. CM3881

Active Exclusions Records?

No

SAM Search Authorization

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes

Entity Types

Business Types

Entity Structure	Entity Type	Organization Factors
Corporate Entity (Not Tax Exempt)	Business or Organization	(blank)
Profit Structure		
For Profit Organization		

Socio-Economic Types

Check the registrant's Reps & Certs, if present, under FAR 52.212-3 or FAR 52.219-1 to determine if the entity is an SBA-certified HUBZone small business concern. Additional small business information may be found in the SBA's Dynamic Small Business Search if the entity completed the SBA supplemental pages during registration.

Financial Information

Accepts Credit Card Payments	Debt Subject To Offset
No	No

EFT Indicator	CAGE Code
0000	0BPM5

Electronic Funds Transfer

Account Type	Routing Number	Lock Box Number
Checking	*****48	(blank)
Financial Institution	Account Number	
WELLS FARGO BANK, NA	*****54	

Automated Clearing House

Phone (U.S.)	Email	Phone (non-U.S.)
7044446058	(blank)	(blank)
Fax		
(blank)		

Remittance Address

KIMLEY-HORN AND ASSOCIATES, INC.
P.O. Box 932514
Atlanta, Georgia 31193
United States

Taxpayer Information

EIN	Type of Tax	Taxpayer Name
*****5615	Applicable Federal Tax	KIMLEY-HORN AND ASSOCIATES INC
Tax Year (Most Recent Tax Year)	Name/Title of Individual Executing Consent	TIN Consent Date
2019	Senior Vice President	Feb 8, 2024
Address	Signature	
421 Fayetteville ST STE 600 Raleigh, North Carolina 27601	RICHARD N COOK	

Points of Contact

Accounts Receivable POC

👤
JON COFFMAN
JON.COFFMAN@KIMLEY-HORN.COM
9196772000

Electronic Business

✎

LINDSEY BALLTZGLIER, CONTROLLER

LINDSEY.BALLTZGLIER@KIMLEY-HORN.COM

9196772000

421 Fayetteville ST

Suite 600

Raleigh, North Carolina 27601

United States

TRAVIS CRISSMAN, GRANT WRITER

TRAVIS.CRISSMAN@KIMLEY-HORN.COM

9842753576

421 Fayetteville Street

Suite 600

Raleigh, North Carolina 27601

United States

Government Business

✎

TOM SAURO

TOM.SAURO@KIMLEY-HORN.COM

7036741300

11400 Commerce Park Drive

Suite 400

Reston, Virginia 20191

United States

Service Classifications

NAICS Codes

Primary	NAICS Codes	NAICS Title
Yes	541330	Engineering Services
	236220	Commercial And Institutional Building Construction
	541320	Landscape Architectural Services
	541380	Testing Laboratories And Services
	541420	Industrial Design Services
	541611	Administrative Management And General Management Consulting Services
	541620	Environmental Consulting Services
	541715	Research And Development In The Physical, Engineering, And Life Sciences (Except Nanotechnology And Biotechnology)
	541990	All Other Professional, Scientific, And Technical Services
	562910	Remediation Services

Product and Service Codes

PSC

R425

PSC Name

Support- Professional: Engineering/Technical

Size Metrics

IGT Size Metrics

Annual Revenue (from all IGTs)

(blank)

Worldwide

Annual Receipts (in accordance with 13 CFR 121)

\$2,448,662,523.00

Number of Employees (in accordance with 13 CFR 121)

7469

Location

Annual Receipts (in accordance with 13 CFR 121)

(blank)

Number of Employees (in accordance with 13 CFR 121)

(blank)

Industry-Specific

Barrels Capacity

(blank)

Megawatt Hours

(blank)

Total Assets

(blank)

Electronic Data Interchange (EDI) Information

This entity did not enter the EDI information

June 25, 2024

Cassie Sylvia
KIMLEY-HORN AND ASSOCIATES, INC.
200 South orange Avenue, Suite 600
Orlando, Florida 32801

Dear Ms. Sylvia:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

- 2.0 Project Development and Environmental (PD&E) Studies
 - 3.1 Minor Highway Design
 - 3.2 Major Highway Design
 - 3.3 Controlled Access Highway Design
 - 4.1.1 Miscellaneous Structures
 - 4.1.2 Minor Bridge Design
 - 4.2.1 Major Bridge Design - Concrete
 - 4.2.2 Major Bridge Design - Steel
 - 5.1 Conventional Bridge Inspection
 - 5.3 Complex Bridge Inspection
 - 5.4 Bridge Load Rating
 - 6.1 Traffic Engineering Studies
 - 6.2 Traffic Signal Timing
 - 6.3.1 Intelligent Transportation Systems Analysis and Design
 - 6.3.2 Intelligent Transportation Systems Implementation
 - 6.3.3 Intelligent Transportation Traffic Engineering Systems Communications
 - 6.3.4 Intelligent Transportation Systems Software Development
 - 7.1 Signing, Pavement Marking and Channelization
 - 7.2 Lighting
 - 7.3 Signalization
 - 10.1 Roadway Construction Engineering Inspection
 - 10.3 Construction Materials Inspection
 - 11.0 Engineering Contract Administration and Management

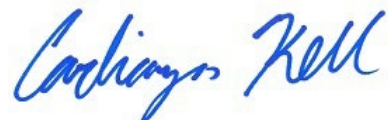
- 13.3 Policy Planning
- 13.4 Systems Planning
- 13.5 Subarea/Corridor Planning
- 13.6 Land Planning/Engineering
- 13.7 Transportation Statistics

- 15.0 Landscape Architect

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2025, for contracting purposes.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator



Certificate of Secretary

To Whom It May Concern:

I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

The following is a true copy of a resolution duly adopted by the Board of Directors of the corporation at the Board meeting held on December 14, 2023 and entered in the minutes of such meeting in the minute book of the corporation.

"The Board unanimously approved the contract signing authority of employees as presented." (Copies of the employee lists as presented are enclosed.)

The resolution is in conformity with the articles of incorporation and bylaws of the corporation, has never been modified or repealed, and is now in full force and effect.

Dated:

A handwritten signature in blue ink, appearing to read "Richard Cook", written over a horizontal line.

Richard N. Cook, Secretary

(corporate seal)



Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 14, 2023

The following individuals have authority to sign both standard and non-standard agreements directly related to serving clients ("Project Agreements"). Project Agreements include client contracts, subcontracts, project-specific vendor agreements, IPO's, contract amendments, non-disclosure agreements, teaming agreements, project-specific equipment and facility rental agreements for specific projects, and certifications related to proposals. This document does not grant authorization to sign other types of contracts or legal documents not directly related to client service such as office leases, software purchase or license agreements, tax returns, purchase agreements for supplies, or agreements to procure accounting, legal, recruiting, or similar services.

ATLANTICBALTIMORE CITY

Falk, Katherine W.
 Kraft, Jonathan H.
 Miller, Sean T.
 Smith, Jeff B.

BALTIMORE COUNTY

Leffner, Nicholas J.
 Hutton, Heather

BOSTON

Jacques, Christopher
 Keegan, Katherine A.

CHARLOTTESVILLE

Oliver, Jonathan H.

HARRISBURG

Bankert, Larry I.
 McGinley, Steve M.

LOUDON

Bollinger, Kyle T.
 Giffin, Geoffrey D.

NORTHERN VIRGINIA

Carter, Erica V.
 D'Alessandro, Jonathan J.
 Elman, Paul D.
 Howell, Christopher M.
 Kauppila, John L.
 Koopman, Jennifer R.
 Lefton, Steven E.
 Millot, Sean M.
 Murphy, Erin M.
 Musson, David B.
 Prunty, Robert W.
 Samba, David B.
 Sauro, Thomas J.
 Schrader, Carly N.
 Smith, Andrew T.
 Stevens, Ross S.
 Teague, M. Zach
 Whyte, Richard D.

PHILADELPHIACENTER CITY

Harmon, Amanda R.
 Hughes, Paul W.
 Morgan, Taylor M.

PITTSBURGH

Beaves, Adele M.
 Beduhn, Tyler J.
 Moldovan, William

PRINCETON

Diggan, Tony W.
 Gibson, Adam T.

RICHMOND

Chance, Maxwell P.
 Crum, Katie E.
 Dougherty, Sean P.
 Harrell, Matthew T.
 Heustess, Aaron M.
 Hill, Corey W.
 Lickliter, Ashley C.
 McCray, Danielle R.
 McPeters, Brian A.
 Perkins, Ryan R.
 White, Timothy E.

VIRGINIA BEACH

Chambers, Jon S.
 Dallman, David B.
 Davidson, Scott O.
 Farthing, Andrew P.
 France, William D.
 Funk, Gerald S.
 Holland, Kimberly R.
 Holland, Stephen R.
 Mackey, William F.
 Mertig, Karl E.
 Miller Edward W.
 Moser, Emily A.
 Niss, Robyn M.
 Royal, Jack R.
 Schmitt, Gregory H.
 Votava Charles F.
 Wharton, Michelle L.
 Williams, Kyle D.
 Yee, Leong Wee

WHITE PLAINS

Canning, Thomas J.
 Van Hise, Kevin A.

CALIFORNIALONG BEACH

Hewitt, Melissa A.
 Phillips, Chad E.

LOS ANGELES

Chakravarthy, Srikanth

Duong, Danh

Fares, Jean B.
 Kyle, Gregory S.
 Phaneuf, Alyssa S.
 Ranta, Shahrzad

OAKLAND

Akwabi, Kwasi
 Colety, Mike D.
 Dankberg, Adam J.

ORANGE

Adrian, Darren J.
 Bossu, David M.
 Glaze, Jacob S.
 Kerry, Nicole M.
 Matson, Jason B.
 Marechal, Jason A.
 Melchor, Jason J.
 Melvin, M. Pearce

PLEASANTON

Durrenberger, Randal R.
 Johnson, Miles R.
 Mehta, Parag G.
 Mowery, Michael C.
 Sowers, Brian E.

RIVERSIDE

Cowan, Eugene D.
 Pollock, John A.

SACRAMENTO

Melvin, Enda
 Pittalwala, Fareed S.
 Schmitt, Michael L.
 Tait, Zachary T.
 Weir, Matthew D.

SAN DIEGO

Barlow, Matthew T.
 Becker, Justin S.
 Harry, Jennifer L.
 Kaltsas, Joseph D.
 Madsen, Michael P.
 McCormick, Matthew B.
 McWhorter, Samuel L.
 Podegracz, Anthony J.
 Ulery, Megan R.
 Valencia, Jason B.

SAN JOSE

Hamilton, Robert J.
 Hedayat, Leyla
 Venter Frederik J.

SAN MATEO

Pulliam, John E.

CAROLINASCHARLESTON

Guy, Jonathan R.

CHARLOTTE

Blakley, Jr., Stephen W.
 Denney, Seth A.
 Edwards, Matthew A.
 Lewis, Ryan T.
 Pattison, Paul G.
 Racer, Joseph M.
 Taylor, Benjamin S.

COLUMBIA

Iser, Christopher M.

DURHAM DOWNTOWN

Lewellyn, Earl R.

FORT MILL

Holcomb, John E.

RALEIGH

Adams, Richard C.
 Barber, Barry L.
 Beck, Chadwick W.
 Brewer, Brian J.
 Cochran, Adam P.
 Cook, Richard N.
 Deans, Neil T.
 Flanagan, Tammy L.
 Keil, Ashley R.
 Kuzenski, John D.
 Leverett, Christopher C.
 Meador, Emily H.
 Netzer, Lesley E.
 Thompson, Erin K.

CENTRALDALLAS

Fraccaro, Joseph A.
 Galloway, Steven D.
 Gary, Glenn A.
 Harris, Mark E.
 Henrichs, Tyler B.
 Hoppers, Kevin P.
 Nathan, Aaron W.
 Rader, Aaron K.
 Samarripas, Anthony M.

Sulkowski, Nicholas E.
 Williamson, Sarah T.

FORT WORTH

Arnold, Douglas M.
 Arnold, Scott R.
 Atkins, John R.
 Hill, Bradley J.
 James, Richard J.
 Webb, Floyd C.

FRISCO

Brignon, Brit A.
 Coppin, Thomas G.
 McCracken, Paul D.
 Dickey, Kyle A.

IRVING/LAS COLINAS

Ante, Louis N.

FLORIDABOCA-DELRAY

Webber, Jason A.
 Haggerty, Jordan L.

FORT LAUDERDALE

Alam, Mudassar M.
 Capelli, Jill A.
 Dabkowski, Adrian K.
 Emmons, Erin N.
 Falce, Christopher T.
 McWilliams, John J.
 Ratay, Gary R.
 Robertson, Stewart E.
 Viola, Stefano F.

FORT MYERS

Bryant, M. Lewis
 Clark, Kellie R.

GAINESVILLE

Towne, Christopher

JACKSONVILLE

Brenny, Martin T.
 Mecca, Joseph P.
 Mullis, Raiford M.
 Roland, George E.
 Shelton, Mark W.

LAKE LAND

Lewis, Jason A.
 Wilson, Mark E.
 White, Wayne E.

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 14, 2023

MELBOURNE

Husainy, Kinan F.

MIAMI

Almonte, Leonte I.
 Baldo, Burt L.
 Buchler, Aaron E.
 Collier, Julio A.
 Fernandez, Jorge L.
 Fye, Barton J.

OCALA

Busche, Richard V.
 Gartner, Amber L.
 Losito, Gene B.

ORLANDO

Chau, Hao T.
 Lenzen, Brent A.
 Littrell, Lance R.
 Martin, Jonathan A.
 Mingonet, Milton S.
 Roberts, Heather A.
 Stickler, Brooks A.
 Thigpen, Jonathan D.
 Wetherell, Ryan S.

SARASOTA

Klepper, B. Kelley
 Nadeau, Gary J.
 Pankonin, James R.
 Schmid, Seth E.

ST. PETERSBURG

Dodge, Dawn M.
 Walker, Jordan W.

TALLAHASSEE

Barr, Richard R.
 DeVeau, Zachariah A.
 Kalbi, Shawn C.

TAMPA

Bulloch, Kelly B.
 Collins III, Carroll E.
 Gilner, Scott W.
 Lee, Nathan Q.

VERO BEACH

Good, Brian A.
 Lawson, Jacob B.
 Roberson, Kevin M.
 Thomas, Melibe S.
 Van Rens, Peter J.

WEST PALM BEACH

Lee, Jason R.
 Long, Jamea M.
 Mufleh, Marwan H.
 Rapp, Bryan T.
 Schanen, Kevin M.
 Schwartz, Michael F.
 Tercilla, Lindsey A.
 Walthall, David W.

WPB DOWNTOWN

Heggen, Christopher W.
 Spruce, Michael D.

MIDWESTCHICAGODOWNTOWN

Lemmon, Peter C.
 Marnell, Colleen L.
 Mayer, Joseph P.
 Morton, Jr., Arthur J.

CHICAGO NORTHSUBURBS

Cooper, Jason C.
 Tracy, Eric J.
 West, Craig L.

CHICAGO WESTSUBURBS

Fandler-Splitt, Rory K.
 Garner, Chad S.
 Heinen, Andrew N.
 Kaufman, Phil R.
 Walker, Michaela E.
 Walker, William A.

COLUMBUS

Muller, Justin M.
 Reeves, Michael C.
 Schall, Andrew J.

INDIANAPOLIS

Butz, Jr., William A.
 Sheward, Bryan A.
 Wolfred, Maurice A.

KANSAS CITY

Kist, Matthew D.
 McKerrrow, Jeff D.

NORTHEAST OHIO

Clements, Kevin J.

TWIN CITIES

Bishop, Mark C.
 Bourdon, Brandon J.
 Coyle, Daniel J.
 Elegert, Brandon R.
 Fosmo, Eric J.
 Hume, Robert M.
 Jensen, Matthew D.
 Matzek, William D.
 Phipps, Ryan A.
 Schmitz, William J.
 Wall, Lisa M.
 Zimmerman, David

TWIN CITIES- WEST

Kuhnau, JoNette L.
 Wurdeman, Brian M.

MOUNTAIN PACIFICASPEN

Christensen, Bryce E.

BOISE

McDougald, Brandon D.
 Nicholson, Tim P.

BROOMFIELD

Pratt, Anthony J.

COLORADO SPRINGS

Gunderson, Eric J.
 Hess, Mitchell O.

DENVER

Andryscik, Kory J.
 Colvin, Scott W.
 Garinger, Amy M.
 Heiberger, John R.
 Krell, Gabriel M.
 Phelps, Randall J.
 Rowe, Curtis D.
 Salvagio, Robin
 Skeehan, Daniel L.
 Sobieski, Dennis M.
 McGee, Meaghan M.
 Valentine, Brian W.
 Wilhelm, William R.

FORT COLLINS

Felton, Emily P.

PORTLAND

Belsick, Jody W.

SALT LAKE CITY

Crowther, Brent C.
 Gresham, Teresa R.
 Johnson, Zachary A.
 O'Brien, Molly M.

SEATTLE

Kamerath, Marcy
 Reeverts, Canaan H.
 Williams, David S.

SOUTHWESTLAS VEGAS

Ahartz, Shannon R.
 Jones, Christopher R.
 Moles, Richard A.
 Moore, Devin V.
 Mosley, Michael S.
 Wolf, Treasea

MESA

Burm, Jason M.
 Grandy, Michael L.
 Margetts, Sterling T.
 Mutti, Brent H.
 Walnum, Nathan C.

PHOENIX

Christian, Rajesh S.
 Connelly, Alissa J.
 Delmarter, Michael L.
 Ehrick, Taylor R.
 Henderson, Benjamin J.
 Thoma, Jayme R.
 Jupp, Andrew M.
 Kimm, Kevin J.
 Kissinger, John C.
 Leistiko, David J.
 Marella, Damon J.
 Perillo, Adam C.
 Sjogren, Timothy P.
 Smalkoski, Brian R.

RENO

Hildebrandt, Timothy H.
 Nasset, Brent J.

TUCSON

Payne, Kevin W.
 Rhine, Timothy J.

SOUTHALPHARETTA

Fanney, Angela L.
 Fanney, Lawson H.
 Hamilton, James R.
 James, Alvin B.
 Shearouse, Sarah
 Stricklin, David L.
 Walker, John D.

ATLANTA

Ergle, Kevin B.
 Fink, Kenneth L.

ATLANTA MIDTOWN

Bosman, Eric S.
 Coleman, Sean H.
 Elsey, Jeffrey B.
 Johnston, Sean P.
 Ross, Robert A.
 Triplett, Katherine R.

BIRMINGHAM

Bailey, Clark B.

MEMPHIS

Danley, Drake E.
 Minor, Henry W.
 Peregoy, Samuel J.
 Peregoy, Jennifer M.

MOBILE

Starling, Charles H.

NASHVILLE

Creasman, Brett R.
 Dufour, Zachary J.
 Espelet, Leonardo E.
 McMaster, Ryan L.

Neal, Philip H.

Rhodes, Christopher D.

SAVANNAH

Gwaltney, Jamie N.
 Marsengill, Chris C.

WOODSTOCK

West, Brian B.

TEXAS SOUTHAUSTIN NORTH

Boecker, Brian C.
 Neal, Trey A.
 VanLeeuwen, Andrew W.

AUSTIN SOUTH

Hudson, Harrison M.
 Mason, Sean R.

BRYAN/COLLEGESTATION

Lucas, Michael D.

HOUSTON

Frysinger, Ashley M.
 Frysinger, Chris V.
 Guillory, Michael B.

SAN ANTONIO

Farnsworth, Jeffrey A.
 Holscher, Nicholas F.

THE WOODLANDS

Freeman, Jr., Steven C.



Kimley-Horn Financial Capability

Kimley-Horn and Associates, Inc. is a full-service engineering and consulting firm with approximately 7,400 employees and 123 offices in 29 states, the District of Columbia, and Puerto Rico. The Company had 2023 revenues of \$2.4 billion. Kimley-Horn has been in business since 1967. We are financially strong, and we are committed to our continued financial health. As of December 31, 2023, the Company had total assets of \$1.6 billion and stockholder's equity of approximately \$314 million. In addition to the financial resources noted, Kimley-Horn also has an untapped \$125 million line of credit available for short-term cash flow needs. The Company's cash flow continues to be very strong. We maintain a disciplined focus on business fundamentals, operate the firm conservatively, and our internal controls and business standards are designed to keep our foundation strong.

Kimley-Horn uses two institutional lenders, Wells Fargo and PNC. If necessary, reference information can be obtained from the following contacts:

Michael Pugsley
Senior Vice President
Wells Fargo Bank, N.A.
150 Fayetteville Street, Suite 600
PO Box 3008
Raleigh, NC 27601
(919) 881-6469

Lesley Wilson
SVP, Relationship Manager
The PNC Financial Services Group
301 Fayetteville Street, 21st Floor
Raleigh, NC 27601
(919) 788-7573

For any questions regarding Kimley-Horn's financial status, please contact Lindsey Balltzglier, Controller, at (919) 678-4141.



January 16, 2024

Re: Kimley-Horn and Associates, Inc.

To Whom It May Concern:

Kimley-Horn and Associates, Inc. ("Kimley-Horn") has been a satisfactory customer of Wells Fargo Bank, N.A. for over thirty-five years. The Bank has provided Kimley-Horn with deposit accounts, loans and other Bank services that have been handled in a satisfactory, responsible and professional manner.

Kimley-Horn maintains deposit balances that have averaged an eight figure value in the last twelve months.

Wells Fargo provides Kimley-Horn a committed line of credit of an eight figure value. The line of credit has no outstanding balance as of the date of this letter.

Wells Fargo and its affiliates provides Kimley-Horn investment management services on a fixed income portfolio that averages an eight figure value.

Wells Fargo is pleased with Kimley-Horn's banking relationship and hopes to provide banking services to the company in the future.

If you have any questions or would like additional information, please contact me at (919) 881-6469.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Pugsley".

Michael Pugsley
Relationship Manager
Triangle Eastern NC Middle Market Banking





Kimley-Horn Summary Financial Data
For fiscal years ended 12/31/2023 and 12/31/2022

	12/31/2023	12/31/2022
Gross Revenue	2,448,665,023	2,038,003,124
Net Fees	1,970,908,105	1,645,661,809
Total Assets	1,558,558,859	1,234,851,339
Total Liabilities	1,244,099,847	968,880,468
Stockholder's Equity	314,459,012	265,970,871
	-	-
Total Debt	0	
Available Line of Credit (LOC)	125,000,000	
LOC Outstanding	0	
# of Offices	123	
# of Employees	7,406	

FORM C DRUG FREE WORKPLACE CERTIFICATE

I, the undersigned, in accordance with Florida Statute 287.087, hereby certify that
Kimley-Horn and Associates, Inc. (print or type name of firm):

1. Publishes a written statement notifying that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance in the workplace named above and specifying actions that will be taken against violations of such prohibition.
2. Informs employees about the dangers of drug abuse in the workplace, the firm's policy of maintaining a drug free working environment, and available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug use violations.
3. Gives each employee engaged in providing commodities or contractual services that are under bid or proposal, a copy of the statement specified above.
4. Notifies the employees that as a condition of working on the commodities or contractual services that are under bid or proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, plea of guilty or nolo contendere to, any violation of Chapter 1893, or any controlled substance law of the State of Florida or the United States, for a violation occurring in the work place, no later than five (5) days after such conviction, and requires employees to sign copies of such written statement to acknowledge their receipt.
5. Imposes a sanction on, or requires 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. Makes a good faith effort to continue to maintain a drug free workplace through the implementation of a drug free workplace program.

"As a person authorized to sign a statement, I certify that the above-named business, firm, or corporation complies fully with the requirements set forth herein."

George Roland
 Authorized Signature
 8/27/2024

Date Signed

State of: Florida

County of: Duval

Sworn to (or affirmed) and subscribed before me by means of ✓ physical presence or online notarization, this 27th day of August, 20 24 by George Roland who is ✓ personally known to me or produced as identification.

Sarah M. Crafford
 Notary Public
 My commission expires: 1/6/2028



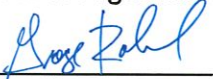
SARAH M. CRAFTFORD
 Notary Public
 State of Florida
 Comm# HH454481
 Expires 1/6/2028

FORM D - 1
CONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that Kimley-Horn and Associates, Inc. (Contractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

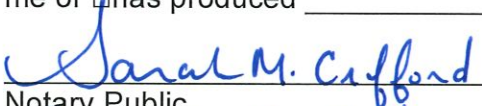
All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of Kimley-Horn and Associates, Inc. (Contractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.


 Print Name: George Roland, PE, Associate
 Date: 8/27/2024

STATE OF FLORIDA
 COUNTY OF Duval

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this 8/27/2024 (Date) by George Roland (Name of Officer or Agent, Title of Officer or Agent) of Kimley-Horn and Associates, Inc. (Name of Contractor Company Acknowledging), a Florida (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is ☒ personally known to me or ☐ has produced _____ as identification.


 Notary Public
Sarah M. Crafford
 Printed Name

My Commission Expires: 1/6/2028



SARAH M. CRAFTFORD
 Notary Public
 State of Florida
 Comm# HH454481
 Expires 1/6/2028

Kimley-Horn and Associates, Inc. Profile ACTIVE

Company Information

Company Name	Doing Business As (DBA) Name
Kimley-Horn and Associates, Inc.	---
Company ID	Enrollment Date
2023677	Nov 16, 2022
Employer Identification Number (EIN)	Unique Entity Identifier (UEI)
560885615	DS7JWCWDLQU7
DUNS Number	Total Number of Employees
061099131	5,000 to 9,999
NAICS Code	Sector
541	Professional, Scientific, and Technical Services
Subsector	
Professional, Scientific, and Technical Services	



Company ID Number: 375667

Client Company ID Number: 2023677



**THE E-VERIFY
MEMORANDUM OF UNDERSTANDING
FOR EMPLOYERS USING A WEB SERVICES E-VERIFY EMPLOYER AGENT**

**ARTICLE I
PURPOSE AND AUTHORITY**

The parties to this agreement are the Department of Homeland Security (DHS), the (Employer), and the Web Services E-Verify Employer Agent. The purpose of this agreement is to set forth terms and conditions which the Employer and the Web Services E-Verify Employer Agent will follow while participating in E-Verify.

E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of Form I-9, Employment Eligibility Verification (Form I-9). This Memorandum of Understanding (MOU) explains certain features of the E-Verify program and describes specific responsibilities of the Employer, the E-Verify Employer Agent, the Social Security Administration (SSA), and DHS.

References in this MOU to the Employer include the Web Services E-Verify Employer Agent when acting on behalf of the Employer.

For purposes of this MOU, the E-Verify browser refers to the website that provides direct access to the E-Verify system: <https://E-Verify.uscis.gov/emp/>. You may access E-Verify directly free of charge via the E-Verify browser.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

**ARTICLE II
RESPONSIBILITIES**

A. RESPONSIBILITIES OF THE EMPLOYER

For purposes of this MOU, references to the Employer include the Web Services E-Verify Employer Agent when acting on behalf of the Employer.

1. By enrolling in E-Verify and signing the applicable MOU, the Employer asserts that it is a legitimate company which intends to use E-Verify for legitimate purposes only and in accordance with the laws, regulations and DHS policies and procedures relating to the use of E-Verify.



Company ID Number: 375667

Client Company ID Number: 2023677

2. The Employer agrees to display the following notices supplied by DHS (though the Web Services E-Verify Employer Agent) in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:

- a. Notice of E-Verify Participation
- b. Notice of Right to Work

3. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted about E-Verify. The Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.

4. The Employer agrees to become familiar with and comply with the most recent version of the

E-Verify User Manual. The Employer will obtain the E-Verify User Manual from the Web Services E-Verify Employer Agent, and will be notified by the Web Services E-Verify Employer Agent when a new version of the E-Verify User Manual becomes available.

5. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:

- a. If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.
- b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.

Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.

6. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.

7. The Employer agrees that, although it participates in E-Verify, the Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.

- a. The following modified requirements are the only exceptions to an Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 6 above; (2) When an Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, the Employer establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of



Company ID Number: 375667

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the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Employer receives a final nonconfirmation for an employee, but continues to employ that person, the Employer must notify DHS and the Employer is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Employer continues to employ an employee after receiving a final nonconfirmation, then the Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.

b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of E-Verify.

8. The Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability.

9. The Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.

10. The Employer must use E-Verify (through its Web Services E-Verify Employer Agent) for all new employees. The Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.

11. The Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B below) to contact DHS with information necessary to resolve the challenge.

12. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated



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verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

13. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

14. The Employer agrees that it will use the information it receives from E-Verify (through its Web Services E-Verify Employer Agent) only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as Personal Identification Numbers and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

15. The Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@uscis.dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

16. The Employer acknowledges that the information it receives from SSA through its Web Services



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E-Verify Employer Agent is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

17. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, which includes permitting DHS, SSA, their contractors and other agents, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.

18. The Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.

19. The Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

20. The Employer agrees that [E-Verify trademarks](#) and logos may be used only under license by DHS/USCIS (see [M-795 \(Web\)](#)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

21. The Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. RESPONSIBILITIES OF THE WEB SERVICES E-VERIFY EMPLOYER AGENT

1. The Web Services E-Verify Employer Agent agrees to complete its Web Services interface no later than six months after the date the Web Services User signs this MOU. E-Verify considers your interface to be complete once it has been built pursuant to the Interface Control Agreement (ICA), submitted to E-Verify for testing, and approved for system access.

2. The Web Services E-Verify Employer Agent agrees to perform sufficient maintenance on the Web Services interface in accordance with the requirements listed in the ICA. These requirements include, but are not limited to, updating the Web Services interface to ensure that any updates or enhancements are incorporated no later than six months after the issuance of an ICA. Web Services E-Verify Employer Agents should be aware that this will require the investment of time and resources. Compliance with the requirements of the ICA must be carried out to the satisfaction of DHS and or its assignees.

3. The Web Services E-Verify Employer Agent agrees to provide to SSA and/or DHS the names, titles, addresses, e-mail addresses, and telephone numbers of the Web Services E-Verify Employer Agent representative who will access information, as well as ensure cooperation, communication, and coordination with E-Verify.



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In addition, Web Services E-Verify Employer Agents must provide to SSA and/or DHS the names, titles, addresses, and telephone numbers of its clients and their staff who will access information through E-Verify. Web Services E-Verify Employer Agents must ensure the contact information is updated with SSA and DHS whenever the points of contact change.

4. The Web Services E-Verify Employer Agent agrees to become familiar with and comply with the E-Verify User Manual and provide a copy of the most current version of the manual to the Employer so that the Employer can become familiar with and comply with E-Verify policy and procedures. The Web Services E-Verify Employer Agent agrees to obtain a revised E-Verify User Manual as it becomes available and to provide a copy of the revised version to the Employer no later than 30 days after the manual becomes available.
5. The Web Services E-Verify Employer Agent agrees that any person accessing E-Verify on its behalf is trained on the most recent E-Verify policy and procedures.
6. The Web Services E-Verify Employer Agent agrees that any of its representatives who will perform employment verification cases will complete the E-Verify Tutorial before that individual initiates any cases.
 - a. The Web Services E-Verify Employer Agent agrees that all of its representatives will take the refresher tutorials initiated by E-Verify as a condition of continued use of E-Verify, including any tutorials for Federal contractors, if any of the Employers represented by the Web Services E-Verify Employer Agent is a Federal contractor.
 - b. Failure to complete a refresher tutorial will prevent the Web Services E-Verify Employer Agent and Employer from continued use of E-Verify.
7. The Web Services E-Verify Employer Agent agrees to grant E-Verify access only to current employees who need E-Verify access. The Web Services E-Verify Employer Agent must promptly terminate an employee's E-Verify access if the employee is separated from the company or no longer needs access to E-Verify.
8. The Web Services E-Verify Employer Agent agrees to obtain the necessary equipment to use E-Verify as required by the E-Verify rules and regulations as modified from time to time.
9. The Web Services E-Verify Employer Agent agrees to, consistent with applicable laws, regulations, and policies, commit sufficient personnel and resources to meet the requirements of this MOU.
10. The Web Services E-Verify Employer Agent agrees to provide its clients with training on E-Verify processes, policies, and procedures. The E-Verify Employer Agent also agrees to provide its clients with ongoing E-Verify training as needed. E-Verify is not responsible for providing training to clients of E-Verify Employer Agents.
11. The Web Services E-Verify Employer Agent agrees to provide the Employer with the notices described in Article II.B.2 below.
12. The Web Services E-Verify Employer Agent agrees to create E-Verify cases for the Employer it represents in accordance with the E-Verify Manual, the E-Verify Web-Based Tutorial and all other published E-Verify



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rules and procedures. The Web Services E-Verify Employer Agent will create E-Verify cases using information provided by the Employer and will immediately communicate the response back to the Employer. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Web Services E-Verify Employer Agent's attempting, in good faith, to make inquiries on behalf of the Employer during the period of unavailability. If, however, the Web Services interface is unavailable due to no fault of E-Verify, then the three-day time period is not extended. In such a case, the Web Services E-Verify Employer Agent must use the E-Verify browser during the outage.

13. The Web Services E-Verify Employer Agent agrees to ensure that all notices, referral letters and any other materials otherwise including instructions regarding tentative nonconfirmations, will be consistent with the most current E-Verify tentative nonconfirmation notices and referral letters, which are available on E-Verify's website.

14. The Web Services E-Verify Employer Agent agrees that any system or interface it develops will follow the steps for creating E-Verify cases and processing tentative nonconfirmations, as laid out in the ICA, this MOU and the User Manual, including but not limited to allowing an employer to close an invalid case where appropriate, allowing an employer to refer a tentative nonconfirmation only when an employee chooses to contest a tentative nonconfirmation (no automatic referrals), and referring a tentative nonconfirmation to the appropriate agency at the time the employer prints the referral letter and provides the letter to the employee. The Web Services E-Verify Employer Agent understands that any failure to make its system or interface consistent with proper E-Verify procedures can result in DHS terminating the Web Services E-Verify Employer Agent's agreement and access with or without notice.

15. When the Web Services E-Verify Employer Agent receives notice from a client company that it has received a contract with the FAR clause, then the Web Services E-Verify Employer Agent must update the company's E-Verify profile within 30 days of the contract award date.

16. If data is transmitted between the Web Services E-Verify Employer Agent and its client, then the Web Services E-Verify Employer Agent agrees to protect personally identifiable information during transmission to and from the Web Services E-Verify Employer Agent.

17. The Web Services E-Verify Employer Agent agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@uscis.dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

18. The Web Services E-Verify Employer Agent agrees to fully cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, including permitting DHS, SSA, their contractors and other agents, upon reasonable notice, to review Forms I-9, employment records, and all records pertaining to the Web Services E-Verify Employer Agent's use of E-Verify, and to interview it and its employees regarding the use of E-Verify, and to respond in a timely and accurate manner to DHS requests for information relating to their participation in E-Verify.

a. The Web Services E-Verify Employer Agent agrees to cooperate with DHS if DHS requests



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information about the Web Services E-Verify Employer Agent's interface, including requests by DHS to view the actual interface operated by the Web Services E-Verify Employer Agent as well as related business documents. The Web Services E-Verify Employer Agent agrees to demonstrate for DHS the functionality of its interface to E-Verify upon request.

b. The Web Services E-Verify Employer Agent agrees to demonstrate, if requested by DHS, that it has provided training to its clients that meets E-Verify standards. Training programs must provide a focused study of the topics covered in the E-Verify User Manual and pertinent Supplemental Guides. Furthermore, training programs and materials must be updated as E-Verify changes occur. The Web Services E-Verify Employer Agent is encouraged to incorporate information from existing E-Verify materials, including the Enrollment Quick Reference Guide, the E-Verify Employer Agent Client Handbook (formerly known as the Designated Agent Client Handbook), and existing tutorials and manuals into their training program. E-Verify also encourages the Web Services E-Verify Employer Agent to supervise first-time use of the E-Verify browser or Web Services interface by its staff and Employer clients as part of any training program. The Web Services E-Verify Employer Agent agrees to submit its training program materials to DHS for review upon request.

Failure to provide adequate training could, in some instances, lead to penalties as described in Article V.F.1. of this MOU.

19. The Web Services E-Verify Employer Agent shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Web Services E-Verify Employer Agent shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your Web Services E-Verify Employer Agent services and any claim to that effect is false.

20. The Web Services E-Verify Employer Agent shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

21. The Web Services E-Verify Employer Agent agrees that [E-Verify trademarks](#) and logos may be used only under license by DHS/USCIS (see [M-795 \(Web\)](#)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Web Services E-Verify Employer Agent's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

22. The Web Services E-Verify Employer Agent understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Web Services E-Verify Employer Agent may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

C. RESPONSIBILITIES OF FEDERAL CONTRACTORS

The Web Services E-Verify Employer Agent shall ensure that the Web Services E-Verify Employer Agent and the Employers it represents carry out the following responsibilities if the Employer is a Federal contractor or becomes a federal contractor. The Web Services E-Verify Employer Agent should instruct the client to keep the Web Services E-Verify Employer Agent informed about any changes or updates related to federal contracts. It is the Web Services E-Verify Employer Agent's responsibility to ensure that its clients are in compliance



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with all E-Verify policies and procedures.

1. If the Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.

2. In addition to the responsibilities of every employer outlined in this MOU, the Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Employer, the Employer may not reverify the employee through E-Verify.

a. An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

b. Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all



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existing employees within 180 days after the election.

e. The Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:

- i. That Form I-9 is complete (including the SSN) and complies with Article II.A.6,
- ii. The employee's work authorization has not expired, and
- iii. The Employer has reviewed the information reflected in the Form I-9 either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).

f. The Employer shall complete a new Form I-9 consistent with Article II.A.6 or update the previous Form I-9 to provide the necessary information if:

- i. The Employer cannot determine that Form I-9 complies with Article II.A.6,
- ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or
- iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

g. The Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Employer that is not a Federal contractor based on this Article.

3. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

D. RESPONSIBILITIES OF SSA

1. SSA agrees to allow DHS to compare data provided by the Employer (through the E-Verify Employer Agent) against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.

2. SSA agrees to safeguard the information the Employer provides (through the E-Verify Employer Agent) through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).



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3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the E-Verify Employer Agent.

4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the E-Verify Employer Agent.

Note: If an Employer experiences technical problems, or has a policy question, the employer should contact E-Verify at 1-888-464-4218.

E. RESPONSIBILITIES OF DHS

1. DHS agrees to provide the Employer with selected data from DHS databases to enable the Employer (through the E-Verify Employer Agent) to conduct, to the extent authorized by this MOU:

- a. Automated verification checks on alien employees by electronic means, and
- b. Photo verification checks (when available) on employees.

2. DHS agrees to assist the E-Verify Employer Agent with operational problems associated with its participation in E-Verify. DHS agrees to provide the E-Verify Employer Agent names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.

3. DHS agrees to provide to the E-Verify Employer Agent with access to E-Verify training materials as well as an E-Verify User Manual that contain instructions on E-Verify policies, procedures, and requirements for both SSA and DHS, including restrictions on the use of E-Verify.

4. DHS agrees to train E-Verify Employer Agents on all important changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require E-Verify Employer Agents to take mandatory refresher tutorials.

5. DHS agrees to provide to the Employer (through the E-Verify Employer Agent) a notice, which indicates the Employer's participation in E-Verify. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.

6. DHS agrees to issue each of the E-Verify Employer Agent's E-Verify users a unique user identification number and password that permits them to log in to E-Verify.

7. DHS agrees to safeguard the information the Employer provides (through the E-Verify Employer Agent), and to limit access to such information to individuals responsible for the verification process, for evaluation of E-Verify, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security numbers and employment eligibility, to enforce the INA and Federal criminal laws, and to administer Federal contracting requirements.



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8. DHS agrees to provide a means of automated verification that provides (in conjunction with SSA verification procedures) confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.

9. DHS agrees to provide a means of secondary verification (including updating DHS records) for employees who contest DHS tentative nonconfirmations and photo mismatch tentative nonconfirmations. This provides final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by E-Verify. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.
2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
3. After a tentative nonconfirmation, the Employer will refer employees to SSA field offices only as directed by E-Verify. The Employer must record the case verification number, review the employee information submitted to E-Verify to identify any errors, and find out whether the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security number, or any other corrected employee information that SSA requests, to SSA for verification again if this review indicates a need to do so.
4. The Employer will instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
5. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.
6. The Employer agrees not to ask the employee to obtain a printout from the Social Security Administration number database (the Numident) or other written verification of the SSN from the SSA.



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B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.
2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.
4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.
5. If the Employer finds a photo mismatch, the Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.
6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:
 - a. Scanning and uploading the document, or
 - b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).
7. The Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.
8. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
9. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.



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ARTICLE IV SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer or the Web Services E-Verify Employer Agent for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V SYSTEM SECURITY AND MAINTENANCE

A. DEVELOPMENT REQUIREMENTS

1. Software developed by Web Services E-Verify Employer Agents must comply with federally-mandated information security policies and industry security standards to include but not limited to:

- a. Public Law 107-347, "E-Government Act of 2002, Title III, Federal Information Security Management Act (FISMA)," December 2002.
- b. Office of Management and Budget (OMB) Memorandum (M-10-15), "FY 2010 Reporting Instructions for the Federal Information Security Management Act and Agency Privacy Management," April 2010.
- c. National Institute of Standards and Technology (NIST) Special Publication (SP) and Federal Information Processing Standards Publication (FIPS).
- d. International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 27002, Information Technology — Security Techniques — Code of Practice for Information Security Management.

2. The Web Services E-Verify Employer Agent agrees to update its Web Services interface to reflect system enhancements within six months from the date DHS notifies the Web Services User of the system update. The Web Services User will receive notice from DHS in the form of an Interface Control Agreement (ICA). The Web Services E-Verify Employer Agent agrees to institute changes to its interface as identified in the ICA, including all functionality identified and all data elements detailed therein.

3. The Web Services E-Verify Employer Agent agrees to demonstrate progress of its efforts to update its Web Services interface if and when DHS requests such progress reports.

4. The Web Services E-Verify Employer Agent acknowledges that if its system enhancements are not completed to the satisfaction of DHS or its assignees within six months from the date DHS notifies the Web Services User of the system update, then the Web Services User's E-Verify account may be suspended, and support for previous releases of E-Verify may no longer be available to the Web Services User. The Web Services E-Verify Employer Agent also acknowledges that DHS may suspend the Web Services User's account after the six-month period has elapsed.

5. The Web Services E-Verify Employer Agent agrees to incorporate error handling logic into its development or software to accommodate and act in a timely fashion should an error code be returned.



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6. The Web Services E-Verify Employer Agent agrees to complete the technical requirements testing which is confirmed upon receiving approval of test data and connectivity between the Web Services E-Verify Employer Agent and DHS.
7. DHS will not reimburse any Web Services E-Verify Employer Agent or software developer who has expended resources in the development or maintenance of a Web Services interface if that party is unable, or becomes unable, to meet any of the requirements set forth in this MOU.
8. Housing, development, infrastructure, maintenance, and testing of the Web Services applications may take place outside the United States and its territories, but testing must be conducted to ensure that the code is correct and secure.
9. If the Web Services E-Verify Employer Agent includes an electronic Form I-9 as part of its interface, then it must comply with the standards for electronic retention of Form I-9 found in 8 CFR 274a.2(e).

B. INFORMATION SECURITY REQUIREMENTS

Web Services E-Verify Employer Agents performing verification services under this MOU must ensure that information that is shared between the Web Services E-Verify Employer Agent and DHS is appropriately protected comparable to the protection provided when the information is within the DHS environment [OMB Circular A-130 Appendix III].

To achieve this level of information security, the Web Services E-Verify Employer Agent agrees to institute the following procedures:

1. Conduct periodic assessments of risk, including the magnitude of harm that could result from the unauthorized access, use, disclosure, disruption, modification, or destruction of information and information systems that support the operations and assets of the DHS, SSA, and the Web Services E-Verify Employer Agent and its clients;
2. Develop policies and procedures that are based on risk assessments, cost-effectively reduce information security risks to an acceptable level, and ensure that information security is addressed throughout the life cycle of each organizational information system;
3. Implement subordinate plans for providing adequate information security for networks, facilities, information systems, or groups of information systems, as appropriate;
4. Conduct security awareness training to inform the Web Services E-Verify Employer Agent's personnel (including contractors and other users of information systems that support the operations and assets of the organization) of the information security risks associated with their activities and their responsibilities in complying with organizational policies and procedures designed to reduce these risks;
5. Develop periodic testing and evaluation of the effectiveness of information security policies, procedures, practices, and security controls to be performed with a frequency depending on risk, but no less than once per year;



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6. Develop a process for planning, implementing, evaluating, and documenting remedial actions to address any deficiencies in the information security policies, procedures, and practices of the organization;
7. Implement procedures for detecting, reporting, and responding to security incidents;
8. Create plans and procedures to ensure continuity of operations for information systems that support the operations and assets of the organization;
9. In information-sharing environments, the information owner is responsible for establishing the rules for appropriate use and protection of the subject information and retains that responsibility even when the information is shared with or provided to other organizations [NIST SP 800-37].
10. DHS reserves the right to restrict Web Services calls from certain IP addresses.
11. DHS reserves the right to audit the Web Services E-Verify Employer Agent's application.
12. Web Services E-Verify Employer Agents and Software Developers agree to cooperate willingly with the DHS assessment of information security and privacy practices used by the company to develop and maintain the software.

C. DATA PROTECTION AND PRIVACY REQUIREMENTS

1. Web Services E-Verify Employer Agents must practice proper Internet security; this means using HTTP over SSL/TLS (also known as HTTPS) when accessing DHS information resources such as E-Verify [NIST SP 800-95]. Internet security practices like this are necessary because Simple Object Access Protocol (SOAP), which provides a basic messaging framework on which Web Services can be built, allows messages to be viewed or modified by attackers as messages traverse the Internet and is not independently designed with all the necessary security protocols for E-Verify use.
2. In accordance with DHS standards, the Web Services E-Verify Employer Agent agrees to maintain physical, electronic, and procedural safeguards to appropriately protect the information shared under this MOU against loss, theft, misuse, unauthorized access, and improper disclosure, copying use, modification or deletion.
3. Any data transmission requiring encryption shall comply with the following standards:
 - Products using FIPS 197 Advanced Encryption Standard (AES) algorithms with at least 256-bit encryption that has been validated under FIPS 140-2.
 - NSA Type 2 or Type 1 encryption.
4. User ID Management (Set Standard): All information exchanged between the parties under this MOU will be done only through authorized Web Services E-Verify Employer Agent representatives identified above.
5. The Web Services E-Verify Employer Agent agrees to use the E-Verify browser instead of its own interface if it has not yet upgraded its interface to comply with the Federal Acquisition Regulation (FAR) system changes. In addition, Web Services E-Verify Employer Agents whose interfaces do not support the Form I-9 from 2/2/2009 or 8/7/2009 should also use the E-Verify browser until the system upgrade is completed.



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6. The Web Services E-Verify Employer Agent agrees to use the E-Verify browser instead of its own interface if it has not completed updates to its system within six months from the date DHS notifies the Web Services E-Verify Employer Agent of the system update. The Web Services E-Verify Employer Agent can resume use of its interface once it is up-to-date, unless the Web Services E-Verify Employer Agent has been suspended or terminated from continued use of the system.

D. COMMUNICATIONS

1. Web Services E-Verify Employer Agents and Software Developers agree to develop an electronic system that is not subject to any agreement that would restrict access to and use of by an agency of the United States.
2. The Web Services E-Verify Employer Agent agrees to develop effective controls to ensure the integrity, accuracy and reliability of its electronic system.
3. The Web Services E-Verify Employer Agent agrees to develop an inspection and quality assurance program that regularly, at least once per year, evaluates the electronic system, and includes periodic checks of electronically stored information. The Web Services E-Verify Employer Agent agrees to share the results of its regular inspection and quality assurance program with DHS upon request.
4. The Web Services E-Verify Employer Agent agrees to develop an electronic system with the ability to produce legible copies of applicable notices, letters, etc.
5. All information exchanged between the parties under this MOU will be in accordance with applicable laws, regulations, and policies, including but not limited to, information security guidelines of the sending party with respect to any information that is deemed Personally Identifiable Information (PII), including but not limited to the employee or applicant's Social Security number, alien number, date of birth, or other information that may be used to identify the individual.
6. Suspected and confirmed information security breaches must be reported to DHS according to Article II.A.17. Reporting such breaches does not relieve the Web Services E-Verify Employer Agent from further requirements as directed by state and local law. The Web Services E-Verify Employer Agent is subject to applicable state laws regarding data protection and incident reporting in addition to the requirements herein.

E. SOFTWARE DEVELOPER RESTRICTIONS

1. The Web Services E-Verify Employer Agent agrees that if it develops a Web Services interface and sells such interface, then it can be held liable for any misuse by the company that purchases the interface. It is the responsibility of the Web Services E-Verify Employer Agent to ensure that its interface is used in accordance with E-Verify policies and procedures.
2. The Web Services E-Verify Employer Agent agrees to provide software updates to each client who purchases its software. Because of the frequency Web Services updates, an ongoing relationship between the software developer and the client is necessary.



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3. DHS reserves the right to terminate the access of any software developer with or without notice who creates or uses an interface that does not comply with E-Verify procedures.
4. Web Services Software Developers pursuing software development independent of serving clients as a Web Services E-Verify Employer Agent are not eligible to receive an ICA. At this time, E-Verify does not permit Web Services software development without also being a Web Services E-Verify Employer Agent or Web Services Employer.

F. PENALTIES

1. The Web Services E-Verify Employer Agent agrees that any failure on its part to comply with the terms of the MOU may result in account suspension, termination, or other adverse action.
2. DHS is not liable for any financial losses to Web Services E-Verify Employer Agent, its clients, or any other party as a result of your account suspension or termination.

ARTICLE VI MODIFICATION AND TERMINATION

A. MODIFICATION

1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.
2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.

B. TERMINATION

1. The Web Services E-Verify Employer Agent may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties. In addition, any Employer represented by the Web Services E-Verify Employer Agent may voluntarily terminate its MOU upon giving DHS 30 days' written notice. The Web Services E-Verify Employer Agent may not refuse to terminate the Employer based upon an outstanding bill for verification services.
2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the Web Services E-Verify Employer Agent's participation in E-Verify, with or without notice at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Web Services E-Verify Employer Agent or Employer, or a failure on the part of either party to comply with established E-Verify procedures and/or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Employer's business.



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3. A Web Services E-Verify Employer Agent for an Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the Web Services E-Verify Employer Agent must provide written notice to DHS. If the Web Services E-Verify Employer Agent fails to provide such notice, then that Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

4. The Web Services E-Verify Employer Agent agrees that E-Verify is not liable for any losses, financial or otherwise, if the Web Services E-Verify Employer Agent or the Employer is terminated from E-Verify.

ARTICLE VII PARTIES

A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Web Services E-Verify Employer Agent, its agents, officers, or employees.

C. The Web Services E-Verify Employer Agent may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.

D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Web Services E-Verify Employer Agent or the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Web Services E-Verify Employer Agent or the Employer.

E. The Web Services E-Verify Employer Agent understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer, the Web Services E-Verify Employer Agent and DHS respectively. The Web Services E-Verify Employer Agent understands that any inaccurate statement, representation, data or other information provided to DHS may subject the Web Services E-Verify Employer Agent, as the case may be, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.



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G. The foregoing constitutes the full agreement on this subject between DHS, the Employer, and the E-Verify Employer Agent.
(Employer) hereby designates and appoint
(E-Verify Employer Agent) including its officers and employees,
as the E-Verify Employer Agent for the purpose of carrying out (Employer) responsibilities under the MOU
between the Employer, the E-Verify Employer Agent, and DHS.
If you have any questions, contact E-Verify at 1-888-464-4218.



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Approved by:

Employer Kimley-Horn and Associates, Inc.	
Name (Please Type or Print) Lori Hall	Title
Signature Electronically Signed	Date 11/17/2022
E-Verify Employer Agent Sterling Infosystems Inc.	
Name (Please Type or Print) Natalie Bollinger	Title
Signature Electronically Signed	Date 11/17/2022
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 11/17/2022



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Information Required for the E-Verify Program

Information relating to your Company:

Company Name	Kimley-Horn and Associates, Inc.
Company Facility Address	421 Fayetteville Street Suite 600 Raleigh, NC 27601
Company Alternate Address	
County or Parish	WAKE
Employer Identification Number	560885615
North American Industry Classification Systems Code	541
Parent Company	
Number of Employees	5,000 to 9,999
Number of Sites Verified for	1 site(s)



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Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

NC

1



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Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name	Lori Hall
Phone Number	7036741322
Fax	
Email	lori.hall@kimley-horn.com



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This list represents the first 20 Program Administrators listed for this company.

FORM D - 2
SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that Environmental and Geotechnical Specialists, Inc. (Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of Environmental and Geotechnical Specialists, Inc. (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Thomas H. Hayden
Print Name: Thomas H. Hayden, PE

Date: 8/14/24

STATE OF FLORIDA

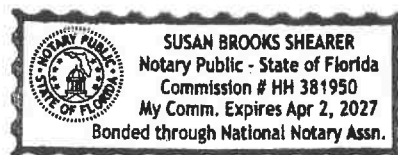
COUNTY OF Leon

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 8/14/24 (Date) by Thomas H. Hayden (Name of Officer or Agent, Title of Officer or Agent) of Environmental and Geotechnical Specialists, Inc. (Name of Contractor Company Acknowledging), a FL (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is ☒ personally known to me or ☐ has produced _____ as identification.

Susan Brooks Shearer
Notary Public

Susan Brooks Shearer
Printed Name

My Commission Expires: 4/02/27





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**THE E-VERIFY
MEMORANDUM OF UNDERSTANDING
FOR EMPLOYERS**

**ARTICLE I
PURPOSE AND AUTHORITY**

The parties to this agreement are the Department of Homeland Security (DHS) and the Environmental and Geotechnical Specialists, Inc. (Employer). The purpose of this agreement is to set forth terms and conditions which the Employer will follow while participating in E-Verify.

E-Verify is a program that electronically confirms an employee's eligibility to work in the United States after completion of Form I-9, Employment Eligibility Verification (Form I-9). This Memorandum of Understanding (MOU) explains certain features of the E-Verify program and describes specific responsibilities of the Employer, the Social Security Administration (SSA), and DHS.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

**ARTICLE II
RESPONSIBILITIES**

A. RESPONSIBILITIES OF THE EMPLOYER

1. The Employer agrees to display the following notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:
 - a. Notice of E-Verify Participation
 - b. Notice of Right to Work
2. The Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Employer representatives to be contacted about E-Verify. The Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.
3. The Employer agrees to grant E-Verify access only to current employees who need E-Verify access. Employers must promptly terminate an employee's E-Verify access if the employer is separated from the company or no longer needs access to E-Verify.



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4. The Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual.
 5. The Employer agrees that any Employer Representative who will create E-Verify cases will complete the E-Verify Tutorial before that individual creates any cases.
 - a. The Employer agrees that all Employer representatives will take the refresher tutorials when prompted by E-Verify in order to continue using E-Verify. Failure to complete a refresher tutorial will prevent the Employer Representative from continued use of E-Verify.
 6. The Employer agrees to comply with current Form I-9 procedures, with two exceptions:
 - a. If an employee presents a "List B" identity document, the Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Employer should contact E-Verify at 888-464-4218.
 - b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.
- Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.
7. The Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.
 8. The Employer agrees that, although it participates in E-Verify, the Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.
 - a. The following modified requirements are the only exceptions to an Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 6 above; (2) When an Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, the Employer establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Employer receives a final nonconfirmation for an employee, but continues to employ that person, the Employer must notify DHS and the Employer is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Employer continues to employ an employee after receiving a final nonconfirmation, then the Employer is subject to a rebuttable presumption that it has knowingly



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employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.

b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of E-Verify.

9. The Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability.

10. The Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.

11. The Employer must use E-Verify for all new employees. The Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.

12. The Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B. below) to contact DHS with information necessary to resolve the challenge.

13. The Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment eligibility status



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(including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

14. The Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

15. The Employer agrees that it will use the information it receives from E-Verify only to confirm the employment eligibility of employees as authorized by this MOU. The Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Employer who are authorized to perform the Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

16. The Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

17. The Employer acknowledges that the information it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

18. The Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, which includes permitting DHS, SSA, their contractors and other agents, upon



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reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.

19. The Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.

20. The Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

21. The Employer agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see [M-795 \(Web\)](#)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

22. The Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. RESPONSIBILITIES OF FEDERAL CONTRACTORS

1. If the Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.

2. In addition to the responsibilities of every employer outlined in this MOU, the Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Employer, the Employer may not create a second case for the employee through E-Verify.

- a. An Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.



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- b. Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Employer must, within 90 days of enrollment, begin to use E-Verify to initiate verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. An Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.
- c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.
- d. Upon enrollment, Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all existing employees within 180 days after the election.
- e. The Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:
- i. That Form I-9 is complete (including the SSN) and complies with Article II.A.6,
 - ii. The employee's work authorization has not expired, and
 - iii. The Employer has reviewed the Form I-9 information either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).
- f. The Employer shall complete a new Form I-9 consistent with Article II.A.6 or update the previous Form I-9 to provide the necessary information if:
- i. The Employer cannot determine that Form I-9 complies with Article II.A.6,
 - ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or
 - iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of Form I-9 is otherwise valid and up-to-date and the form otherwise complies with



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Article II.C.5, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

g. The Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Employer that is not a Federal contractor based on this Article.

3. The Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

C. RESPONSIBILITIES OF SSA

1. SSA agrees to allow DHS to compare data provided by the Employer against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.

2. SSA agrees to safeguard the information the Employer provides through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the Employer.

4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the employer.

Note: If an Employer experiences technical problems, or has a policy question, the employer should contact E-Verify at 1-888-464-4218.

D. RESPONSIBILITIES OF DHS

1. DHS agrees to provide the Employer with selected data from DHS databases to enable the Employer to conduct, to the extent authorized by this MOU:

a. Automated verification checks on alien employees by electronic means, and



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- b. Photo verification checks (when available) on employees.
2. DHS agrees to assist the Employer with operational problems associated with the Employer's participation in E-Verify. DHS agrees to provide the Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
3. DHS agrees to provide to the Employer with access to E-Verify training materials as well as an E-Verify User Manual that contain instructions on E-Verify policies, procedures, and requirements for both SSA and DHS, including restrictions on the use of E-Verify.
4. DHS agrees to train Employers on all important changes made to E-Verify through the use of mandatory refresher tutorials and updates to the E-Verify User Manual. Even without changes to E-Verify, DHS reserves the right to require employers to take mandatory refresher tutorials.
5. DHS agrees to provide to the Employer a notice, which indicates the Employer's participation in E-Verify. DHS also agrees to provide to the Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.
6. DHS agrees to issue each of the Employer's E-Verify users a unique user identification number and password that permits them to log in to E-Verify.
7. DHS agrees to safeguard the information the Employer provides, and to limit access to such information to individuals responsible for the verification process, for evaluation of E-Verify, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security numbers and employment eligibility, to enforce the INA and Federal criminal laws, and to administer Federal contracting requirements.
8. DHS agrees to provide a means of automated verification that provides (in conjunction with SSA verification procedures) confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.
9. DHS agrees to provide a means of secondary verification (including updating DHS records) for employees who contest DHS tentative nonconfirmations and photo mismatch tentative nonconfirmations. This provides final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Employer receives a tentative nonconfirmation issued by SSA, the Employer must print the notice as directed by E-Verify. The Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify



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case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.

3. After a tentative nonconfirmation, the Employer will refer employees to SSA field offices only as directed by E-Verify. The Employer must record the case verification number, review the employee information submitted to E-Verify to identify any errors, and find out whether the employee contests the tentative nonconfirmation. The Employer will transmit the Social Security number, or any other corrected employee information that SSA requests, to SSA for verification again if this review indicates a need to do so.

4. The Employer will instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

5. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

6. The Employer agrees not to ask the employee to obtain a printout from the Social Security Administration number database (the Numident) or other written verification of the SSN from the SSA.

B. REFERRAL TO DHS

1. If the Employer receives a tentative nonconfirmation issued by DHS, the Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.

2. The Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.

3. The Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.

4. If the employee contests a tentative nonconfirmation issued by DHS, the Employer will instruct the



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employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.

5. If the Employer finds a photo mismatch, the Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.

6. The Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:

- a. Scanning and uploading the document, or
- b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).

7. The Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.

8. DHS will electronically transmit the result of the referral to the Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.

9. While waiting for case results, the Employer agrees to check the E-Verify system regularly for case updates.

ARTICLE IV

SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V

MODIFICATION AND TERMINATION

A. MODIFICATION

1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.

2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.



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B. TERMINATION

1. The Employer may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties.
2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the Employer's participation in E-Verify, with or without notice at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Employer, or a failure on the part of the Employer to comply with established E-Verify procedures and/or legal requirements. The Employer understands that if it is a Federal contractor, termination of this MOU by any party for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Employer's business.
3. An Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the Federal contractor must provide written notice to DHS. If an Employer that is a Federal contractor fails to provide such notice, then that Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.
4. The Employer agrees that E-Verify is not liable for any losses, financial or otherwise, if the Employer is terminated from E-Verify.

ARTICLE VI PARTIES

- A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.
- B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Employer, its agents, officers, or employees.
- C. The Employer may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.
- D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Employer.
- E. The Employer understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to,



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Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Employer and DHS respectively. The Employer understands that any inaccurate statement, representation, data or other information provided to DHS may subject the Employer, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.

G. The foregoing constitutes the full agreement on this subject between DHS and the Employer.

To be accepted as an E-Verify participant, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 1-888-464-4218.



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Approved by:

Employer Environmental and Geotechnical Specialists, Inc.	
Name (Please Type or Print) Thomas H Hayden	Title
Signature Electronically Signed	Date 01/15/2011
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 01/15/2011



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Information Required for the E-Verify Program

Information relating to your Company:

Company Name	Environmental and Geotechnical Specialists, Inc.
Company Facility Address	104 N. Magnolia Drive Tallahassee, FL 32301
Company Alternate Address	
County or Parish	LEON
Employer Identification Number	593101819
North American Industry Classification Systems Code	541
Parent Company	
Number of Employees	20 to 99
Number of Sites Verified for	1



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Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

FLORIDA

1 site(s)



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Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name Judith M Hayden
Phone Number (850) 386 - 1253
Fax Number (850) 385 - 8050
Email Address Judy.Hayden@egs-us.com

Name Thomas H Hayden
Phone Number (850) 386 - 1253
Fax Number (850) 385 - 8050
Email Address Tom.Hayden@egs-us.com

Name Thomas H Hayden
Phone Number (850) 386 - 1253
Fax Number (850) 385 - 8050
Email Address Tom.Hayden@egs-us.com



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FORM D - 2 SUBCONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that SAM SURVEYING AND MAPPING, LLC (Subcontractor Company Name) does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of SAM SURVEYING AND MAPPING, LLC (Subcontractor Company Name) proof of registration in the E-Verify system is attached to this Affidavit.

Eric B. Stuart

Print Name: Eric B. Stuart, LS

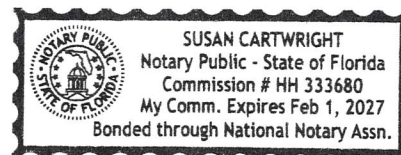
Date: 8/26/2024

STATE OF FLORIDA
COUNTY OF LEON

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this _____ (Date) by _____ (Name of Officer or Agent, Title of Officer or Agent) of _____ (Name of Contractor Company Acknowledging), a _____ (State or Place of Incorporation) Corporation, on behalf of the Corporation. He/She is ☐ personally known to me or ☐ has produced _____ as identification.

Susan Cartwright
Notary Public
Susan Cartwright
Printed Name

My Commission Expires: 2-1-21





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**THE E-VERIFY
MEMORANDUM OF UNDERSTANDING
FOR WEB SERVICES EMPLOYERS**

**ARTICLE I
PURPOSE AND AUTHORITY**

The parties to this Agreement are the Department of Homeland Security (DHS) and Surveying And Mapping, LLC (Web Services Employer). The purpose of this agreement is to set forth terms and conditions which the Web Services Employer will follow while participating in E-Verify.

A Web Services Employer is an Employer who verifies employment authorization for its newly hired employees using a Web Services interface.

E-Verify is a program that electronically confirms a newly hired employee's authorization to work in the United States after completion of the Form I-9, Employment Eligibility Verification (Form I-9). This MOU explains certain features of the E-Verify program and describes specific responsibilities of the Web Services Employer, DHS, and the Social Security Administration (SSA).

For purposes of this MOU, the "E-Verify browser" refers to the website that provides direct access to the E-Verify system: <https://e-verify.uscis.gov/emp/>. You may access E-Verify directly free of charge via the E-Verify browser.

Authority for the E-Verify program is found in Title IV, Subtitle A, of the Illegal Immigration Reform and Immigrant Responsibility Act of 1996 (IIRIRA), Pub. L. 104-208, 110 Stat. 3009, as amended (8 U.S.C. § 1324a note). The Federal Acquisition Regulation (FAR) Subpart 22.18, "Employment Eligibility Verification" and Executive Order 12989, as amended, provide authority for Federal contractors and subcontractors (Federal contractor) to use E-Verify to verify the employment eligibility of certain employees working on Federal contracts.

Before accessing E-Verify using Web Services access, the Web Services Employer must meet certain technical requirements. This will require the investment of significant amounts of resources and time. If the Web Services Employer is required to use E-Verify prior to completion and acceptance of its Web Services interface, then it must use the E-Verify browser until it is able to use its Web Services interface. The Web Services Employer must also maintain ongoing technical compatibility with E-Verify.

DHS accepts no liability relating to the Web Services Employer's development or maintenance of any Web Services access system.



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ARTICLE II

RESPONSIBILITIES

A. RESPONSIBILITIES OF THE WEB SERVICES EMPLOYER

1. By enrolling in E-Verify and signing the applicable MOU, the Web Services Employer asserts that it is a legitimate company which intends to use E-Verify for legitimate purposes only and in accordance with the laws, regulations, and DHS policies and procedures relating to the use of E-Verify.

2. The Web Services Employer agrees to display the following notices supplied by DHS in a prominent place that is clearly visible to prospective employees and all employees who are to be verified through the system:

a. Notice of E-Verify Participation

b. Notice of Right to Work

3. The Web Services Employer agrees to provide to the SSA and DHS the names, titles, addresses, and telephone numbers of the Web Services Employer representatives to be contacted about E-Verify. The Web Services Employer also agrees to keep such information current by providing updated information to SSA and DHS whenever the representatives' contact information changes.

4. The Web Services Employer agrees to grant E-Verify access only to current employees who need E-Verify access. Web Services Employers must promptly terminate an employee's E-Verify access if the employer is separated from the company or no longer needs access to E-Verify.

5. The Web Services Employer agrees to become familiar with and comply with the most recent version of the E-Verify User Manual. The Web Services Employer will ensure that outdated manuals are promptly replaced with the new version of the E-Verify User Manual when it becomes available.

6. The Web Services Employer agrees that any person accessing E-Verify on its behalf is trained on the most recent E-Verify policy and procedures.

7. The Web Services Employer agrees that any of its representatives who will create E-Verify cases will complete the E-Verify Tutorial before creating any cases.

a. The Web Services Employer agrees that all of its representatives will take the refresher tutorials when prompted by E-Verify in order to continue using E-Verify. Failure to complete a refresher tutorial will prevent the Employer Representative from continued use of E-Verify.

8. The Web Services E-Verify Employer Agent agrees to obtain the necessary equipment to use E-Verify as required by the E-Verify rules and regulations as modified from time to time.

9. The Web Services E-Verify Employer Agent agrees to, consistent with applicable laws, regulations, and policies, commit sufficient personnel and resources to meet the requirements of this MOU.

10. The Web Services Employer agrees to comply with current Form I-9 procedures, with two



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exceptions:

- a. If an employee presents a "List B" identity document, the Web Services Employer agrees to only accept "List B" documents that contain a photo. (List B documents identified in 8 C.F.R. § 274a.2(b)(1)(B)) can be presented during the Form I-9 process to establish identity.) If an employee objects to the photo requirement for religious reasons, the Web Services Employer should contact E-Verify at 888-464-4218.
- b. If an employee presents a DHS Form I-551 (Permanent Resident Card), Form I-766 (Employment Authorization Document), or U.S. Passport or Passport Card to complete Form I-9, the Web Services Employer agrees to make a photocopy of the document and to retain the photocopy with the employee's Form I-9. The Web Services Employer will use the photocopy to verify the photo and to assist DHS with its review of photo mismatches that employees contest. DHS may in the future designate other documents that activate the photo screening tool.

Note: Subject only to the exceptions noted previously in this paragraph, employees still retain the right to present any List A, or List B and List C, document(s) to complete the Form I-9.

11. The Web Services Employer agrees to record the case verification number on the employee's Form I-9 or to print the screen containing the case verification number and attach it to the employee's Form I-9.
12. The Web Services Employer agrees that, although it participates in E-Verify, the Web Services Employer has a responsibility to complete, retain, and make available for inspection Forms I-9 that relate to its employees, or from other requirements of applicable regulations or laws, including the obligation to comply with the antidiscrimination requirements of section 274B of the INA with respect to Form I-9 procedures.
 - a. The following modified requirements are the only exceptions to a Web Services Employer's obligation to not employ unauthorized workers and comply with the anti-discrimination provision of the INA: (1) List B identity documents must have photos, as described in paragraph 6 above; (2) When a Web Services Employer confirms the identity and employment eligibility of newly hired employee using E-Verify procedures, it establishes a rebuttable presumption that it has not violated section 274A(a)(1)(A) of the Immigration and Nationality Act (INA) with respect to the hiring of that employee; (3) If the Web Services Employer receives a final nonconfirmation for an employee, but continues to employ that person, the Web Services Employer must notify DHS and the Web Services Employer is subject to a civil money penalty between \$550 and \$1,100 for each failure to notify DHS of continued employment following a final nonconfirmation; (4) If the Web Services Employer continues to employ an employee after receiving a final nonconfirmation, then the Web Services Employer is subject to a rebuttable presumption that it has knowingly employed an unauthorized alien in violation of section 274A(a)(1)(A); and (5) no E-Verify participant is civilly or criminally liable under any law for any action taken in good faith based on information provided through the E-Verify.
 - b. DHS reserves the right to conduct Form I-9 compliance inspections, as well as any other enforcement or compliance activity authorized by law, including site visits, to ensure proper use of

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E-Verify.

13. The Web Services Employer is strictly prohibited from creating an E-Verify case before the employee has been hired, meaning that a firm offer of employment was extended and accepted and Form I-9 was completed. The Employer agrees to create an E-Verify case for new employees within three Employer business days after each employee has been hired (after both Sections 1 and 2 of Form I-9 have been completed), and to complete as many steps of the E-Verify process as are necessary according to the E-Verify User Manual. If E-Verify is temporarily unavailable, the three-day time period will be extended until it is again operational in order to accommodate the Employer's attempting, in good faith, to make inquiries during the period of unavailability. If, however, the Web Services interface is unavailable due to no fault of E-Verify, then the three day time period is not extended. In such a case, the Web Services Employer must use the E-Verify browser during the outage.

14. The Web Services Employer agrees not to use E-Verify for pre-employment screening of job applicants, in support of any unlawful employment practice, or for any other use that this MOU or the E-Verify User Manual does not authorize.

15. The Web Services Employer must use E-Verify for all new employees. The Web Services Employer will not verify selectively and will not verify employees hired before the effective date of this MOU. Employers who are Federal contractors may qualify for exceptions to this requirement as described in Article II.B of this MOU.

16. The Web Services Employer agrees to follow appropriate procedures (see Article III below) regarding tentative nonconfirmations. The Web Services Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Web Services Employer agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Web Services Employer agrees to provide written referral instructions to employees and instruct affected employees to bring the English copy of the letter to the SSA. The Web Services Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending. Further, when employees contest a tentative nonconfirmation based upon a photo mismatch, the Employer must take additional steps (see Article III.B below) to contact DHS with information necessary to resolve the challenge.

17. The Web Services Employer agrees not to take any adverse action against an employee based upon the employee's perceived employment eligibility status while SSA or DHS is processing the verification request unless the Employer obtains knowledge (as defined in 8 C.F.R. § 274a.1(l)) that the employee is not work authorized. The Web Services Employer understands that an initial inability of the SSA or DHS automated verification system to verify work authorization, a tentative nonconfirmation, a case in continuance (indicating the need for additional time for the government to resolve a case), or the finding of a photo mismatch, does not establish, and should not be interpreted as, evidence that the employee is not work authorized. In any of such cases, the employee must be provided a full and fair opportunity to contest the finding, and if he or she does so, the employee may not be terminated or suffer any adverse employment consequences based upon the employee's perceived employment

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eligibility status (including denying, reducing, or extending work hours, delaying or preventing training, requiring an employee to work in poorer conditions, withholding pay, refusing to assign the employee to a Federal contract or other assignment, or otherwise assuming that he or she is unauthorized to work) until and unless secondary verification by SSA or DHS has been completed and a final nonconfirmation has been issued. If the employee does not choose to contest a tentative nonconfirmation or a photo mismatch or if a secondary verification is completed and a final nonconfirmation is issued, then the Web Services Employer can find the employee is not work authorized and terminate the employee's employment. Employers or employees with questions about a final nonconfirmation may call E-Verify at 1-888-464-4218 (customer service) or 1-888-897-7781 (worker hotline).

18. The Web Services Employer agrees to comply with Title VII of the Civil Rights Act of 1964 and section 274B of the INA as applicable by not discriminating unlawfully against any individual in hiring, firing, employment eligibility verification, or recruitment or referral practices because of his or her national origin or citizenship status, or by committing discriminatory documentary practices. The Web Services Employer understands that such illegal practices can include selective verification or use of E-Verify except as provided in part D below, or discharging or refusing to hire employees because they appear or sound "foreign" or have received tentative nonconfirmations. The Web Services Employer further understands that any violation of the immigration-related unfair employment practices provisions in section 274B of the INA could subject the Web Services Employer to civil penalties, back pay awards, and other sanctions, and violations of Title VII could subject the Web Services Employer to back pay awards, compensatory and punitive damages. Violations of either section 274B of the INA or Title VII may also lead to the termination of its participation in E-Verify. If the Web Services Employer has any questions relating to the anti-discrimination provision, it should contact OSC at 1-800-255-8155 or 1-800-237-2515 (TDD).

19. The Web Services Employer agrees that it will use the information it receives from E-Verify only to confirm the employment eligibility of employees as authorized by this MOU. The Web Services Employer agrees that it will safeguard this information, and means of access to it (such as PINS and passwords), to ensure that it is not used for any other purpose and as necessary to protect its confidentiality, including ensuring that it is not disseminated to any person other than employees of the Web Services Employer who are authorized to perform the Web Services Employer's responsibilities under this MOU, except for such dissemination as may be authorized in advance by SSA or DHS for legitimate purposes.

20. The Web Services Employer agrees to notify DHS immediately in the event of a breach of personal information. Breaches are defined as loss of control or unauthorized access to E-Verify personal data. All suspected or confirmed breaches should be reported by calling 1-888-464-4218 or via email at E-Verify@dhs.gov. Please use "Privacy Incident – Password" in the subject line of your email when sending a breach report to E-Verify.

21. The Web Services Employer acknowledges that the information it receives from SSA is governed by the Privacy Act (5 U.S.C. § 552a(i)(1) and (3)) and the Social Security Act (42 U.S.C. 1306(a)). Any person who obtains this information under false pretenses or uses it for any purpose other than as provided for in this MOU may be subject to criminal penalties.

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22. The Web Services Employer agrees to cooperate with DHS and SSA in their compliance monitoring and evaluation of E-Verify, which includes permitting DHS, SSA, their contractors and other agents, upon reasonable notice, to review Forms I-9 and other employment records and to interview it and its employees regarding the Employer's use of E-Verify, and to respond in a prompt and accurate manner to DHS requests for information relating to their participation in E-Verify.

a. The Web Services Employer agrees to cooperate with DHS if DHS requests information about the Web Services Employer's interface, including requests by DHS to view the actual interface operated by the Web Services Employer as well as related business documents. The Web Services Employer agrees to demonstrate for DHS the functionality of its interface to E-Verify upon request.

23. The Web Services Employer shall not make any false or unauthorized claims or references about its participation in E-Verify on its website, in advertising materials, or other media. The Employer shall not describe its services as federally-approved, federally-certified, or federally-recognized, or use language with a similar intent on its website or other materials provided to the public. Entering into this MOU does not mean that E-Verify endorses or authorizes your E-Verify services and any claim to that effect is false.

24. The Web Services Employer shall not state in its website or other public documents that any language used therein has been provided or approved by DHS, USCIS or the Verification Division, without first obtaining the prior written consent of DHS.

25. The Web Services Employer agrees that E-Verify trademarks and logos may be used only under license by DHS/USCIS (see M-795 (Web)) and, other than pursuant to the specific terms of such license, may not be used in any manner that might imply that the Employer's services, products, websites, or publications are sponsored by, endorsed by, licensed by, or affiliated with DHS, USCIS, or E-Verify.

26. The Web Services Employer agrees to complete its Web Services interface no later than six months after the date the Web Services Employer signs this MOU. E-Verify considers the interface to be complete once it has been built pursuant to the Interface Control Agreement (ICA), submitted to E-Verify for testing, and approved for system access.

27. The Web Services Employer agrees to perform sufficient maintenance on the Web Services interface in accordance with the requirements listed in the ICA. These requirements include, but are not limited to, updating the Web Services interface to ensure that any updates or enhancements are incorporated no later than six months after the issuance of an ICA. Web Services Employers should be aware that this will require the investment of time and resources. Compliance with the requirements of the ICA must be carried out to the satisfaction of DHS and or its assignees.

28. The Web Services Employer agrees that any system or interface it develops will follow the steps for creating E-Verify cases and processing tentative nonconfirmations, as laid out in the ICA, this MOU and the User Manual, including but not limited to allowing an employer to close an invalid case where appropriate, allowing an employer to refer a tentative nonconfirmation only when an employee chooses to contest a tentative nonconfirmation (no automatic referrals), and referring a tentative nonconfirmation

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to the appropriate agency at the time the employer prints the referral letter and provides the letter to the employee. The Web Services Employer understands that any failure to make its system or interface consistent with proper E-Verify procedures can result in DHS terminating the Web Services Employer's agreement and access.

29. The Web Services Employer understands that if it uses E-Verify procedures for any purpose other than as authorized by this MOU, the Web Services Employer may be subject to appropriate legal action and termination of its participation in E-Verify according to this MOU.

B. EMPLOYERS THAT ARE FEDERAL CONTRACTORS WITH THE FAR E-VERIFY CLAUSE

NOTE: If you do not have any Federal contracts at this time, this section does not apply to your company. In the future, if you are awarded a Federal contract that contains the FAR E-Verify clause, then you must comply with each provision in this Section. See 48 C.F.R. 52.222.54 for the text of the FAR E-Verify clause and the E-Verify Supplemental Guide for Federal Contractors for complete information.

1. If the Web Services Employer is a Federal contractor with the FAR E-Verify clause subject to the employment verification terms in Subpart 22.18 of the FAR, it will become familiar with and comply with the most current version of the E-Verify User Manual for Federal Contractors as well as the E-Verify Supplemental Guide for Federal Contractors.

2. In addition to the responsibilities of every employer outlined in this MOU, the Web Services Employer understands that if it is a Federal contractor subject to the employment verification terms in Subpart 22.18 of the FAR it must verify the employment eligibility of any "employee assigned to the contract" (as defined in FAR 22.1801). Once an employee has been verified through E-Verify by the Web Services Employer, the Employer may not create a second case for the employee through E-Verify.

a. A Web Services Employer that is not enrolled in E-Verify as a Federal contractor at the time of a contract award must enroll as a Federal contractor in the E-Verify program within 30 calendar days of contract award and, within 90 days of enrollment, begin to verify employment eligibility of new hires using E-Verify. The Web Services Employer must verify those employees who are working in the United States, whether or not they are assigned to the contract. Once the Web Services Employer begins verifying new hires, such verification of new hires must be initiated within three business days after the hire date. Once enrolled in E-Verify as a Federal contractor, the Web Services Employer must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

b. Web Services Employers enrolled in E-Verify as a Federal contractor for 90 days or more at the time of a contract award must use E-Verify to begin verification of employment eligibility for new hires of the Employer who are working in the United States, whether or not assigned to the contract, within three business days after the date of hire. If the Web Services Employer is enrolled in E-Verify as a Federal contractor for 90 calendar days or less at the time of contract award, the Web Services Employer must, within 90 days of enrollment, begin to use E-Verify to initiate

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verification of new hires of the contractor who are working in the United States, whether or not assigned to the contract. Such verification of new hires must be initiated within three business days after the date of hire. A Web Services Employer enrolled as a Federal contractor in E-Verify must begin verification of each employee assigned to the contract within 90 calendar days after date of contract award or within 30 days after assignment to the contract, whichever is later.

c. Federal contractors that are institutions of higher education (as defined at 20 U.S.C. 1001(a)), state or local governments, governments of Federally recognized Indian tribes, or sureties performing under a takeover agreement entered into with a Federal agency under a performance bond may choose to only verify new and existing employees assigned to the Federal contract. Such Federal contractors may, however, elect to verify all new hires, and/or all existing employees hired after November 6, 1986. Web Services Employers in this category must begin verification of employees assigned to the contract within 90 calendar days after the date of enrollment or within 30 days of an employee's assignment to the contract, whichever date is later.

d. Upon enrollment, Web Services Employers who are Federal contractors may elect to verify employment eligibility of all existing employees working in the United States who were hired after November 6, 1986, instead of verifying only those employees assigned to a covered Federal contract. After enrollment, Web Services Employers must elect to verify existing staff following DHS procedures and begin E-Verify verification of all existing employees within 180 days after the election.

e. The Web Services Employer may use a previously completed Form I-9 as the basis for creating an E-Verify case for an employee assigned to a contract as long as:

- i. That Form I-9 is complete (including the SSN) and complies with Article II.A.6,
- ii. The employee's work authorization has not expired, and
- iii. The Web Services Employer has reviewed the Form I-9 information either in person or in communications with the employee to ensure that the employee's Section 1, Form I-9 attestation has not changed (including, but not limited to, a lawful permanent resident alien having become a naturalized U.S. citizen).

f. The Web Services Employer shall complete a new Form I-9 consistent with Article II.A.10 or update the previous Form I-9 to provide the necessary information if:

- i. The Web Services Employer cannot determine that Form I-9 complies with Article II.A.10,
- ii. The employee's basis for work authorization as attested in Section 1 has expired or changed, or
- iii. The Form I-9 contains no SSN or is otherwise incomplete.

Note: If Section 1 of Form I-9 is otherwise valid and up-to-date and the form otherwise complies with Article II.A.10, but reflects documentation (such as a U.S. passport or Form I-551) that expired after completing Form I-9, the Web Services Employer shall not require the production of additional documentation, or use the photo screening tool described in Article II.A.5, subject to any additional or superseding instructions that may be provided on this subject in the E-Verify User Manual.

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g. The Web Services Employer agrees not to require a second verification using E-Verify of any assigned employee who has previously been verified as a newly hired employee under this MOU or to authorize verification of any existing employee by any Web Services Employer that is not a Federal contractor based on this Article.

3. The Web Services Employer understands that if it is a Federal contractor, its compliance with this MOU is a performance requirement under the terms of the Federal contract or subcontract, and the Web Services Employer consents to the release of information relating to compliance with its verification responsibilities under this MOU to contracting officers or other officials authorized to review the Employer's compliance with Federal contracting requirements.

C. RESPONSIBILITIES OF SSA

1. SSA agrees to allow DHS to compare data provided by the Web Services Employer against SSA's database. SSA sends DHS confirmation that the data sent either matches or does not match the information in SSA's database.

2. SSA agrees to safeguard the information the Web Services Employer provides through E-Verify procedures. SSA also agrees to limit access to such information, as is appropriate by law, to individuals responsible for the verification of Social Security numbers or responsible for evaluation of E-Verify or such other persons or entities who may be authorized by SSA as governed by the Privacy Act (5 U.S.C. § 552a), the Social Security Act (42 U.S.C. 1306(a)), and SSA regulations (20 CFR Part 401).

3. SSA agrees to provide case results from its database within three Federal Government work days of the initial inquiry. E-Verify provides the information to the Web Services Employer.

4. SSA agrees to update SSA records as necessary if the employee who contests the SSA tentative nonconfirmation visits an SSA field office and provides the required evidence. If the employee visits an SSA field office within the eight Federal Government work days from the date of referral to SSA, SSA agrees to update SSA records, if appropriate, within the eight-day period unless SSA determines that more than eight days may be necessary. In such cases, SSA will provide additional instructions to the employee. If the employee does not visit SSA in the time allowed, E-Verify may provide a final nonconfirmation to the employer.

Note: If a Web Services Employer experiences technical problems, or has a policy question, the Web Services Employer should contact E-Verify at 1-888-464-4218.

D. RESPONSIBILITIES OF DHS

1. After SSA verifies the accuracy of SSA records for employees through E-Verify, DHS agrees to provide the Web Services Employer access to selected data from DHS databases to enable the Web Services Employer to conduct, to the extent authorized by this MOU:

- a. Automated verification checks on employees by electronic means, and
- b. Photo verification checks (when available) on employees.

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2. DHS agrees to provide to the Web Services Employer appropriate assistance with operational problems that may arise during the Web Services Employer's participation in the E-Verify program. DHS agrees to provide the Web Services Employer names, titles, addresses, and telephone numbers of DHS representatives to be contacted during the E-Verify process.
3. DHS agrees to make available to the Web Services Employer at the E-Verify Web site (www.dhs.gov/E-Verify) and on the E-Verify Web browser (<https://e-verify.uscis.gov/emp/>), instructional materials on E-Verify policies, procedures and requirements for both SSA and DHS, including restrictions on the use of E-Verify. DHS agrees to provide training materials on E-Verify.
4. DHS agrees to provide to the Web Services Employer a notice that indicates the Web Services Employer's participation in the E-Verify program. DHS also agrees to provide to the Web Services Employer anti-discrimination notices issued by the Office of Special Counsel for Immigration-Related Unfair Employment Practices (OSC), Civil Rights Division, U.S. Department of Justice.
5. DHS agrees to issue the Web Services Employer a user identification number and password that permits the Employer to verify information provided by its employees with DHS.
6. DHS agrees to safeguard the information provided to DHS by the Web Services Employer, and to limit access to such information to individuals responsible for the verification of employees' employment eligibility and for evaluation of the E-Verify program, or to such other persons or entities as may be authorized by applicable law. Information will be used only to verify the accuracy of Social Security Numbers and employment eligibility, to enforce the Immigration and Nationality Act (INA) and Federal criminal or anti-discrimination laws, and to administer Federal contracting requirements.
7. DHS agrees to provide a means of automated verification that is designed (in conjunction with SSA verification procedures) to provide confirmation or tentative nonconfirmation of employees' employment eligibility within three Federal Government work days of the initial inquiry.
8. DHS agrees to provide a means of secondary verification (including updating DHS records as necessary) for employees who contest DHS tentative nonconfirmations and photo non-match tentative nonconfirmations that is designed to provide final confirmation or nonconfirmation of the employees' employment eligibility within 10 Federal Government work days of the date of referral to DHS, unless DHS determines that more than 10 days may be necessary. In such cases, DHS will provide additional verification instructions.
9. DHS agrees to provide the Web Services Employer with an Interface Control Agreement (ICA). This document will provide technical requirements that the Web Services Employer must meet to create and maintain a Web Services interface to the Verification Information System (VIS). VIS is a composite information system that provides immigration status verification for government agencies and verification of employment authorization for employers participating in E-Verify.
10. DHS agrees to provide periodic system enhancements to improve the ease and accuracy of E-Verify, as needed. DHS will also provide E-Verify enhancements to comply with applicable laws and regulations. As enhancements occur, Web Services Employers must update their Web Services

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interface to reflect system changes within the timelines specified in Article V.A.1. DHS will provide the Web Services Employer with an ICA to support the E-Verify release whenever system enhancements are required.

11. DHS agrees to provide to the Web Services Employer guidance on breach notification and a means by which the Web Services Employer can report any and all suspected or confirmed breaches of owned or used systems or data spills related to E-Verify cases. At this time, if the Employer encounters a suspected or confirmed breach or data spill, it should contact E-Verify at 1-888-464-4218.

12. In the event the Web Services Employer is subject to penalties, DHS will issue a Notice of Adverse Action that describes the specific violations if it intends to suspend or terminate the employer's Web Services interface access. The Web Services Employer agrees that DHS shall not be liable for any financial losses to the Web Services Employer, its employees, or any other party as a result of your account suspension or termination and agrees to hold DHS harmless from any such claims.

ARTICLE III

REFERRAL OF INDIVIDUALS TO SSA AND DHS

A. REFERRAL TO SSA

1. If the Web Services Employer receives a tentative nonconfirmation issued by SSA, the Web Services Employer must print the notice and promptly provide it to the employee so that the employee may determine whether he or she will contest the tentative nonconfirmation. The Web Services Employer must review the tentative nonconfirmation with the employee in private. After the notice has been signed, the Web Services Employer must give a copy of the signed notice to the employee and attach a copy to the employee's Form I-9.

2. The Web Services Employer will refer employees to SSA field offices only as directed by the automated system based on a tentative nonconfirmation, and only after the Web Services Employer records the case verification number, reviews the input to detect any transaction errors, and determines that the employee contests the tentative nonconfirmation. The Web Services Employer will transmit the Social Security Number to SSA for verification again if this review indicates a need to do so. The Web Services Employer will determine whether the employee contests the tentative nonconfirmation as soon as possible after the Employer receives it.

3. If the employee contests an SSA tentative nonconfirmation, the Web Services Employer will provide the employee with a system-generated referral letter and instruct the employee to visit an SSA office within eight Federal Government work days. SSA will electronically transmit the result of the referral to the Web Services Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary. The Employer agrees to check the E-Verify system regularly for case updates.

4. The Web Services Employer agrees not to ask the employee to obtain a printout from the Social Security Number database (the Numident) or other written verification of the Social Security Number from the SSA.

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B. REFERRAL TO DHS

1. If the Web Services Employer receives a tentative nonconfirmation issued by DHS, the Web Services Employer must promptly notify employees in private of the finding and provide them with the notice and letter containing information specific to the employee's E-Verify case. The Web Services Employer also agrees to provide both the English and the translated notice and letter for employees with limited English proficiency to employees. The Web Services Employer must allow employees to contest the finding, and not take adverse action against employees if they choose to contest the finding, while their case is still pending.
2. The Web Services Employer agrees to obtain the employee's response about whether he or she will contest the tentative nonconfirmation as soon as possible after the Web Services Employer receives the tentative nonconfirmation. Only the employee may determine whether he or she will contest the tentative nonconfirmation.
3. The Web Services Employer agrees to refer individuals to DHS only when the employee chooses to contest a tentative nonconfirmation.
4. If the employee contests a tentative nonconfirmation issued by DHS, the Web Services Employer will instruct the employee to contact DHS through its toll-free hotline (as found on the referral letter) within eight Federal Government work days.
5. If the Web Services Employer finds a photo mismatch, the Web Services Employer must provide the photo mismatch tentative nonconfirmation notice and follow the instructions outlined in paragraph 1 of this section for tentative nonconfirmations, generally.
6. The Web Services Employer agrees that if an employee contests a tentative nonconfirmation based upon a photo mismatch, the Web Services Employer will send a copy of the employee's Form I-551, Form I-766, U.S. Passport, or passport card to DHS for review by:
 - a. Scanning and uploading the document, or
 - b. Sending a photocopy of the document by express mail (furnished and paid for by the employer).
7. The Web Services Employer understands that if it cannot determine whether there is a photo match/mismatch, the Employer must forward the employee's documentation to DHS as described in the preceding paragraph. The Employer agrees to resolve the case as specified by the DHS representative who will determine the photo match or mismatch.
8. DHS will electronically transmit the result of the referral to the Web Services Employer within 10 Federal Government work days of the referral unless it determines that more than 10 days is necessary.
9. While waiting for case results, the Web Services Employer agrees to check the E-Verify system regularly for case updates.
10. DHS agrees to provide the Web Services Employer with an Interface Control Agreement (ICA).

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This document will provide technical requirements that the Web Services Employer must meet to create and maintain a Web Services interface to the Verification Information System (VIS). VIS is a composite information system that provides immigration status verification for government agencies and verification of employment authorization for employers participating in E-Verify.

11. DHS agrees to provide periodic system enhancements to improve the ease and accuracy of E-Verify, as needed. DHS will also provide E-Verify enhancements to comply with applicable laws and regulations. As enhancements occur, Web Services Employers must update their Web Services interface to reflect system changes within the timelines specified in Article V.A.1. DHS will provide the Web Services Employer with an ICA to support the E-Verify release whenever system enhancements are required.

ARTICLE IV

SERVICE PROVISIONS

A. NO SERVICE FEES

1. SSA and DHS will not charge the Employer or the Web Services E-Verify Employer Agent for verification services performed under this MOU. The Employer is responsible for providing equipment needed to make inquiries. To access E-Verify, an Employer will need a personal computer with Internet access.

ARTICLE V

SYSTEM SECURITY AND MAINTENANCE

A. DEVELOPMENT REQUIREMENTS

1. Software developed by Web Services Employers must comply with federally-mandated information security policies and industry security standards to include but not limited to:

- a. Public Law 107-347, "E-Government Act of 2002, Title III, Federal Information Security Management Act (FISMA)," December 2002.
- b. Office of Management and Budget (OMB) Memorandum (M-10-15), "FY 2010 Reporting Instructions for the Federal Information Security Management Act and Agency Privacy Management," April 2010.
- c. National Institute of Standards and Technology (NIST) Special Publication (SP) and Federal Information Processing Standards Publication (FIPS).
- d. International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 27002, Information Technology — Security Techniques — Code of Practice for Information Security Management.

2. The Web Services Employer agrees to update its Web Services interface to the satisfaction of DHS or its assignees to reflect system enhancements within six months from the date DHS notifies the Web Services User of the system update. The Web Services User will receive notice from DHS in the form

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of an Interface Control Agreement (ICA). The Web Services Employer agrees to institute changes to its interface as identified in the ICA, including all functionality identified and all data elements detailed therein.

3. The Web Services Employer agrees to demonstrate progress of its efforts to update its Web Services interface if and when DHS requests such progress reports.
4. The Web Services Employer acknowledges that if its system enhancements are not completed to the satisfaction of DHS or its assignees within six months from the date DHS notifies the Web Services Employer of the system update, then the Web Services Employer's E-Verify account may be suspended, and support for previous releases of E-Verify may no longer be available to the Web Services Employer. The Web Services Employer also acknowledges that DHS may suspend its account after the six-month period has elapsed.
5. The Web Services Employer agrees to incorporate error handling logic into its development or software to accommodate and act in a timely fashion should an error code be returned.
6. The Web Services Employer agrees to complete the technical requirements testing which is confirmed upon receiving approval of test data and connectivity between the Web Services Employer and DHS.
7. DHS will not reimburse any Web Services Employer or software developer who has expended resources in the development or maintenance of a Web Services interface if that party is unable, or becomes unable, to meet any of the requirements set forth in this MOU.
8. Housing, development, infrastructure, maintenance, and testing of the Web Services applications may take place outside the United States and its territories, but testing must be conducted to ensure that the code is correct and secure.
9. If the Web Services Employer includes an electronic Form I-9 as part of its interface, then it must comply with the standards for electronic retention of Form I-9 found in 8 CFR 274a.2(e).

B. INFORMATION SECURITY REQUIREMENTS

Web Services Employers performing verification services under this MOU must ensure that information that is shared between the Web Services Employer and DHS is appropriately protected comparable to the protection provided when the information is within the DHS environment [OMB Circular A-130 Appendix III].

To achieve this level of information security, the Web Services Employer agrees to institute the following procedures:

1. Conduct periodic assessments of risk, including the magnitude of harm that could result from the unauthorized access, use, disclosure, disruption, modification, or destruction of information and information systems that support the operations and assets of the DHS, SSA, and the Web Services Employer;

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2. Develop policies and procedures that are based on risk assessments, cost-effectively reduce information security risks to an acceptable level, and ensure that information security is addressed throughout the life cycle of each organizational information system;
3. Implement subordinate plans for providing adequate information security for networks, facilities, information systems, or groups of information systems, as appropriate;
4. Conduct security awareness training to inform the Web Services Employer's personnel (including contractors and other users of information systems that support the operations and assets of the organization) of the information security risks associated with their activities and their responsibilities in complying with organizational policies and procedures designed to reduce these risks;
5. Develop periodic testing and evaluation of the effectiveness of information security policies, procedures, practices, and security controls to be performed with a frequency depending on risk, but no less than once per year;
6. Develop a process for planning, implementing, evaluating, and documenting remedial actions to address any deficiencies in the information security policies, procedures, and practices of the organization;
7. Implement procedures for detecting, reporting, and responding to security incidents;
8. Create plans and procedures to ensure continuity of operations for information systems that support the operations and assets of the organization;
9. In information-sharing environments, the information owner is responsible for establishing the rules for appropriate use and protection of the subject information and retains that responsibility even when the information is shared with or provided to other organizations [NIST SP 800-37].
10. DHS reserves the right to restrict Web Services calls from certain IP addresses.
11. DHS reserves the right to audit the Web Services Employer's application.
12. Web Services Employers agree to cooperate willingly with the DHS assessment of information security and privacy practices used by the company to develop and maintain the software.

C. DATA PROTECTION AND PRIVACY REQUIREMENTS

1. Web Services Employers must practice proper Internet security; this means using HTTP over SSL/TLS (also known as HTTPS) when accessing DHS information resources such as E-Verify [NIST SP 800-95]. Internet security practices like this are necessary because Simple Object Access Protocol (SOAP), which provides a basic messaging framework on which Web Services can be built, allows messages to be viewed or modified by attackers as messages traverse the Internet and is not independently designed with all the necessary security protocols for E-Verify use.
2. In accordance with DHS standards, the Web Services Employer agrees to maintain physical, electronic, and procedural safeguards to appropriately protect the information shared under this MOU



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against loss, theft, misuse, unauthorized access, and improper disclosure, copying use, modification or deletion.

3. Any data transmission requiring encryption shall comply with the following standards:

- Products using FIPS 197 Advanced Encryption Standard (AES) algorithms with at least 256-bit encryption that has been validated under FIPS 140-2.
- NSA Type 2 or Type 1 encryption.

4. User ID Management (Set Standard): All information exchanged between the parties under this MOU will be done only through authorized Web Services Employer representatives identified above.

5. The Web Services Employer agrees to use the E-Verify browser instead of its own interface if it has not yet upgraded its interface to comply with the Federal Acquisition Regulation (FAR) system changes. In addition, Web Services Employers whose interfaces do not support the Form I-9 from 2/2/2009 or 8/7/2009 agree to use the E-Verify browser until the system upgrade is completed.

6. The Web Services Employer agrees to use the E-Verify browser instead of its own interface if it has not completed updates to its system to the satisfaction of DHS or its assignees within six months from the date DHS notifies the Web Services Employer of the system update. The Web Services Employer can resume use of its interface once it is up-to-date, unless the Web Services Employer has been suspended or terminated from continued use of the system.

D. COMMUNICATIONS

1. The Web Services Employer agrees to develop an electronic system that is not subject to any agreement or other requirement that would restrict access and use by an agency of the United States.

2. The Web Services Employer agrees to develop effective controls to ensure the integrity, accuracy and reliability of its electronic system.

3. The Web Services Employer agrees to develop an inspection and quality assurance program that regularly (at least once per year) evaluates the electronic system, and includes periodic checks of electronically stored information. The Web Services Employer agrees to share the results of its regular inspection and quality assurance program with DHS upon request.

4. The Web Services Employer agrees to develop an electronic system with the ability to produce legible copies of applicable notices, letters, and other written, photographic and graphic materials.

5. All information exchanged between the parties under this MOU will be in accordance with applicable laws, regulations, and policies, including but not limited to, information security guidelines of the sending party with respect to any information that is deemed Personally Identifiable Information (PII), including but not limited to the employee or applicant's Social Security number, alien number, date of birth, or other information that may be used to identify the individual.

6. Suspected and confirmed information security breaches must be reported to DHS according to Article V.C.1. Reporting such breaches does not relieve the Web Services Employer from further



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requirements as directed by state and local law. The Web Services Employer is subject to applicable state laws regarding data protection and incident reporting in addition to the requirements herein.

E. SOFTWARE DEVELOPMENT RESTRICTIONS

1. DHS reserves the right to terminate the access of any software developer with or without notice who creates or uses an interface that does not comply with E-Verify procedures.
2. Employers are prohibited from Web Services Software development unless they also create cases in E-Verify to verify their new hires' work authorization. Those pursuing software development without intending to use E-Verify are not eligible to receive an ICA. At this time, E-Verify does not permit Web Services software development without also being a Web Services Employer or Web Services E-Verify Employer Agent.

F. PENALTIES

1. The Web Services Employer agrees that any failure on its part to comply with the terms of the MOU may result in account suspension, termination, or other adverse action.
2. DHS is not liable for any financial losses to Web Services Employer, its clients, or any other party as a result of account suspension or termination.

ARTICLE VI MODIFICATION AND TERMINATION

A. MODIFICATION

1. This MOU is effective upon the signature of all parties and shall continue in effect for as long as the SSA and DHS operates the E-Verify program unless modified in writing by the mutual consent of all parties.
2. Any and all E-Verify system enhancements by DHS or SSA, including but not limited to E-Verify checking against additional data sources and instituting new verification policies or procedures, will be covered under this MOU and will not cause the need for a supplemental MOU that outlines these changes.

B. TERMINATION

1. The Web Services Employer may terminate this MOU and its participation in E-Verify at any time upon 30 days prior written notice to the other parties.
2. Notwithstanding Article V, part A of this MOU, DHS may terminate this MOU, and thereby the Web Services Employer's participation in E-Verify, with or without notice at any time if deemed necessary because of the requirements of law or policy, or upon a determination by SSA or DHS that there has been a breach of system integrity or security by the Web Services Employer, or a failure on the part of either party to comply with established E-Verify procedures and/or legal requirements. The Web Services Employer understands that if it is a Federal contractor, termination of this MOU by any party



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for any reason may negatively affect the performance of its contractual responsibilities. Similarly, the Web Services Employer understands that if it is in a state where E-Verify is mandatory, termination of this by any party MOU may negatively affect the Web Services Employer's business.

3. A Web Services Employer that is a Federal contractor may terminate this MOU when the Federal contract that requires its participation in E-Verify is terminated or completed. In such cases, the Web Services Employer must provide written notice to DHS. If the Web Services Employer fails to provide such notice, then that Web Services Employer will remain an E-Verify participant, will remain bound by the terms of this MOU that apply to non-Federal contractor participants, and will be required to use the E-Verify procedures to verify the employment eligibility of all newly hired employees.

4. The Web Services Employer agrees that E-Verify is not liable for any losses, financial or otherwise, if the Web Services Employer or the Employer is terminated from E-Verify.

ARTICLE VII

PARTIES

A. Some or all SSA and DHS responsibilities under this MOU may be performed by contractor(s), and SSA and DHS may adjust verification responsibilities between each other as necessary. By separate agreement with DHS, SSA has agreed to perform its responsibilities as described in this MOU.

B. Nothing in this MOU is intended, or should be construed, to create any right or benefit, substantive or procedural, enforceable at law by any third party against the United States, its agencies, officers, or employees, or against the Web Services Employer, its agents, officers, or employees.

C. The Web Services Employer may not assign, directly or indirectly, whether by operation of law, change of control or merger, all or any part of its rights or obligations under this MOU without the prior written consent of DHS, which consent shall not be unreasonably withheld or delayed. Any attempt to sublicense, assign, or transfer any of the rights, duties, or obligations herein is void.

D. Each party shall be solely responsible for defending any claim or action against it arising out of or related to E-Verify or this MOU, whether civil or criminal, and for any liability wherefrom, including (but not limited to) any dispute between the Web Services Employer and any other person or entity regarding the applicability of Section 403(d) of IIRIRA to any action taken or allegedly taken by the Web Services Employer.

E. The Web Services Employer understands that its participation in E-Verify is not confidential information and may be disclosed as authorized or required by law and DHS or SSA policy, including but not limited to, Congressional oversight, E-Verify publicity and media inquiries, determinations of compliance with Federal contractual requirements, and responses to inquiries under the Freedom of Information Act (FOIA).

F. The individuals whose signatures appear below represent that they are authorized to enter into this MOU on behalf of the Web Services Employer and DHS respectively. The Web Services Employer understands that any inaccurate statement, representation, data or other information provided to DHS



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may subject the Web Services Employer, its subcontractors, its employees, or its representatives to: (1) prosecution for false statements pursuant to 18 U.S.C. 1001 and/or; (2) immediate termination of its MOU and/or; (3) possible debarment or suspension.

G. The foregoing constitutes the full agreement on this subject between DHS and the Web Services Employer.

Approved by:

Web Services Employer	
Surveying And Mapping, LLC	
Name (Please Type or Print) Allison Davis	Title
Signature Electronically Signed	Date 01/04/2018
Department of Homeland Security – Verification Division	
Name (Please Type or Print) USCIS Verification Division	Title
Signature Electronically Signed	Date 01/04/2018



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Information Required for the E-Verify Program

Information relating to your Company:

Company Name	Surveying And Mapping, LLC
Company Facility Address	4801 Southwest Parkway Building Two Suite 100 Austin, TX 78735
Company Alternate Address	
County or Parish	TRAVIS
Employer Identification Number	742704974
North American Industry Classification Systems Code	541
Parent Company	
Number of Employees	500 to 999
Number of Sites Verified for	1



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Are you verifying for more than 1 site? If yes, please provide the number of sites verified for in each State:

TEXAS

1 site(s)

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Information relating to the Program Administrator(s) for your Company on policy questions or operational problems:

Name Carly Glass
Phone Number (512) 493 - 0274
Fax Number
Email Address carly.glass@sam.biz

Name Allison Davis
Phone Number (512) 685 - 3512
Fax Number
Email Address adavis@sam.biz



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CS-24-313
Contract No. CM3081

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

CONTACT NAME: Jerry Noyola	
PHONE (A/C. No. Ext):	FAX (A/C. No.): 770-220-7699
E-MAIL ADDRESS: greylingcerts@greyling.com	

NAIC #

22292

INSURER F :

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

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Umbrella Follows Form with respects to General, Automobile Liability & Workers Compensation.

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

Gregg B. Schubert

Kimley»»Horn

Expect More. Experience Better.

Contact

Jessica Novak, PE



Jessica.Novak@kimley-horn.com



904.828.3937



12740 Gran Bay Parkway West
Suite 2350
Jacksonville, FL 32258

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project:		CR 121 from CR 119 to US 1												Consultant Name: Kimley-Horn		
Country:		Nassau												Consultant No.: N/A		
FPN:		449196-2-54-01												Date: 1/7/2025		
FAP No.:		N/A												Estimator: Jessica Novak		
Staff Classification	Hours From "SH Summary - Firm"	Chief Engineer 2	Chief Engineer 1	Senior Engineer 2	Senior Engineer 1	Engineer 2	Engineer 1	Engineering Intern	Chief Designer	Environmental Specialist	Secretary/ Clerical	Project Planner	N/A	SH By Activity	Total Cost By Activity	Average Rate Per Task
		\$307.66	\$275.83	\$267.35	\$233.40	\$212.18	\$163.38	\$143.22	\$164.44	\$116.70	\$122.00	\$134.48	\$0.00			
3. Project General and Project Common Tasks	263	0	0	132	0	132	0	0	0	0	0	0	0	264	\$63,298	\$239.77
4. Roadway Analysis	5,671	284	284	567	0	1,701	567	1,134	1,134	0	0	0	0	5,671	\$1,119,740	\$197.45
5. Roadway Plans	1,674	0	84	84	167	335	167	670	167	0	0	0	0	1,674	\$306,389	\$183.03
6a. Drainage Analysis	1,404	70	70	140	0	421	140	281	281	0	0	0	0	1,403	\$276,927	\$197.38
6b. Drainage Plans	539	0	27	27	54	108	54	216	54	0	0	0	0	540	\$98,823	\$183.01
7. Utilities	235	0	0	47	0	71	0	71	0	0	47	0	0	236	\$43,533	\$184.46
8. Environmental Permits, and Env. Clearances	363	0	0	36	73	0	36	0	0	182	36	0	0	363	\$58,176	\$160.26
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	127	0	13	6	13	13	25	57	0	0	0	0	0	127	\$23,230	\$182.92
18. Structures - Miscellaneous	186	0	19	9	19	19	37	84	0	0	0	0	0	187	\$34,188	\$182.83
19. Signing & Pavement Marking Analysis	796	0	40	40	40	239	80	159	199	0	0	0	0	797	\$150,340	\$188.63
20. Signing & Pavement Marking Plans	137	7	7	7	21	14	14	55	14	0	0	0	0	139	\$26,294	\$189.17
Total Staff Hours	11,395	361	544	1,095	387	3,053	1,120	2,727	1,849	182	83	0	0	11,401		
Total Staff Cost		\$111,065.26	\$150,051.52	\$292,748.25	\$90,325.80	\$647,785.54	\$182,985.60	\$390,560.94	\$304,049.56	\$21,239.40	\$10,126.00	\$0.00	\$0.00		\$2,200,937.87	\$193.05
														Check = \$2,200,937.87		
														SUBTOTAL ESTIMATED FEE:		
														Subconsultant: SAM Surveying and Mapping		
														Subconsultant: EGS Geotech (Task A, Roadway)		
														Subconsultant: EGS Geotech (Task B, Drainage)		
														Subconsultant: Marr Traffic Data Collection		
														SUBTOTAL ESTIMATED FEE:		
														Kimley-Horn Construction Phase Services		
														GRAND TOTAL ESTIMATED FEE:		

Project Activity 3: General Tasks

Estimator:						CR 121 from CR 119 to US 1 449196-2-54-01
Representing		Print Name			Signature / Date	
FDOT District						
Consultant Name						
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	NOT INCLUDED
3.1.2	Notifications	LS	1	0	0	NOT INCLUDED
3.1.3	Preparing Mailing Lists	LS	1	0	0	NOT INCLUDED
3.1.4	Median Modification Letters	LS	1	0	0	NOT INCLUDED
3.1.5	Driveway Modification Letters	LS	1	0	0	NOT INCLUDED
3.1.6	Newsletters	LS	1	0	0	NOT INCLUDED
3.1.7	Renderings and Fly Throughs	LS	1	0	0	NOT INCLUDED
3.1.8	PowerPoint Presentation	LS	1	0	0	NOT INCLUDED
3.1.9	Public Meeting Preparations	LS	1	0	0	NOT INCLUDED
3.1.10	Public Meeting Attendance/Followup	LS	1	0	0	NOT INCLUDED
3.1.11	Other Agency Meetings	LS	1	0	0	NOT INCLUDED
3.1.12	Web Site	LS	1	0	0	NOT INCLUDED
3.1 Public Involvement Subtotal					0	
3.2	Joint Project Agreements	EA	0	0	0	NOT INCLUDED
3.3	Specifications & Estimates					
3.3.1	Specifications Package Preparation	LS	1	35	35	Specifications Pkg prep plus bid phase support services (Bid questions, pre-bid mtg, etc.)
3.3.2	Estimated Quantities Report Preparation	Report	0	Calculated Hours	0	NOT INCLUDED - Quantities Calculation effort included in Rdwy Activity
		Components	0	0		
3.4	Contract Maintenance and Project Documentation	LS	1	44	44	8hrs Contract set-up + 3hrs/month maintenance x 12 months
3.5	Value Engineering (Multi-Discipline Team) Review	LS	1	0	0	NOT INCLUDED
3.6	Prime Consultant Project Manager Meetings	LS	1	104	104	See listing below
3.7	Plans Update	LS	1	0	0	NOT INCLUDED

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	NOT INCLUDED
3.9	Digital Delivery	LS	1	0	0	NOT INCLUDED
3.10	Risk Assessment Workshop	LS	1	0	0	NOT INCLUDED
3.11	Railroad, Transit, and/or Airport Coordination	LS	2	40	80	40 hrs per railroad company/crossing for coordination
3.11.1	Aeronautical Evaluation	LS	1	0	0	NOT INCLUDED
3.12	Landscape and Existing Vegetation Coordination	LS	1	0	0	NOT INCLUDED
3.13	Other Project General Tasks	LS	1	0	0	NOT INCLUDED
3. Project Common and Project General Tasks Total					263	
3.6 - List of Project Manager Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments
Roadway Analysis		EA	7	4	28	
Drainage		EA	9	1	9	
Utilities		EA	3	1	3	
Environmental		EA	1	1	1	
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	0	0	0	
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	4	48	monthly progress meetings with Coutny staff through project duration (1 hr prep, 2 hr travel, 1 hr meeting)
Phase Reviews		EA	0	0	0	
Field Reviews		EA	3	5	15	3 site visits through duration of project (1 following design survey, 1 before pavement design completion, 1 after Phase III plans submittal)
Total Project Manager Meetings			35		104	Total PM Meeting Hours carries to Task 3.6 above

Project Activity 4: Roadway Analysis

Estimator:

CR 121 from CR 119 to US 1

449196-2-54-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.1	Typical Section Package	LS	1	0	0	NOT INCLUDED - Existing two lane rural typical to be maintained. Details will be included in const plans only for approval by Nassau County
4.2	Pavement Type Selection Report	LS	1	60	60	Review and develop pav't design options for areas requiring pav't reconstruction (Full Depth Reclamation, Subgrade Geogrid reinforcement, full depth reconstruction, limiting to Asphalt Base Only. Etc.) -
4.3	Pavement Design Package	LS	1	54	54	Four anticipated pavement designs - one specific to each segment to address existing conditions
4.4	Cross-Slope Correction	LS	1	136	136	Cross slope correction in resurfacing areas only. Analysis of existing cross slopes, 2 hour per lane mile (53 lane miles) + 30 hours for cross slope correction concepts
4.5	Horizontal /Vertical Master Design Files	LS	1	3380	3380	Low range project. 200 hours for first mile, 120 hrs/mile for remaining 26.5 miles. Includes all effort establishing the master design files for horizontal and vertical geometry, driveways and intersections, guardrail design, drainage structures, utilities, railroad connections, etc.
4.6	Access Management	LS	1	0	0	NOT INCLUDED
4.7	Roundabout Final Design Analysis	LS	1	0	0	NOT INCLUDED
4.8	Cross Section Design Files	LS	1	610	610	8.5 miles for segment 2A + 3 misc. miles of reconstruction @ 100 LF = 610 XS
4.9	Temporary Traffic Control Plan Analysis	LS	1	60	60	Level I TTCP concept for resurfacing areas (19 miles, 20 hours) + Level II TTCP concept for reconstruction areas (8.5 miles, 40 hours) to develop detour routes
4.10	Master TTCP Design Files	LS	1	0	0	NOT INCLUDED, no TTCP master design files will be used.
4.11a	Selective Clearing and Grubbing of Existing VegetationField Assessment	LS	1	0	0	NOT INCLUDED
4.11b	Selective Clearing and Grubbing Site Inventory of Existing Vegetation and Cross-Discipline Coordination (OPTIONAL SERVICES)	LS	1	0	0	NOT INCLUDED
4.11c	Selective Clearing and Grubbing- Existing Vegetation Maintenance Report	LS	1	0	0	NOT INCLUDED
4.12	Tree Disposition Plan	LS	1	0	0	NOT INCLUDED
4.13	Design Variations and Exceptions	LS	1	90	90	assume 3 design variations or exceptions will be needed, 30 hours each
4.14	Design Report	LS	1	60	60	Development of Phase I engineering report documenting design decisions (guideline range is 24-80 hours)
4.15	Roadway Quantities for EQ Report	Length (Miles)	27.50	Calculated Hours	273	calculated hours used for mid range complexity project
		Complexity	Mid Range			

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
		Interchanges Rest Areas	0	273		
4.16	TTCP Quantities for EQ Report	Complexity		Calculated Hours	0	NOT INCLUDED. MOT to be addressed as lump sum bid item
		Major Phases	0	0		
4.17	Cost Estimate	LS	1	80	80	Cost estimate for each submittal (60, 90, 100, final) 20hrs avg/estimate x 4 estimates = 80hrs
4.18	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	
4.19	Other Roadway Analyses	LS	2	30	60	analysis of railroad crossing pavement adjustments (30 hours per crossing)
Roadway Analysis Technical Subtotal					4863	

Project Activity 4: Roadway Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
4.20	Field Reviews	LS	1	0	0	
4.21	Monitor Existing Structures	LS	1	0	0	
4.22	Technical Meetings	LS	1	60	60	Meetings are listed below
4.23	Quality Assurance/Quality Control	LS	%	7%	340	
4.24	Independent Peer Review	LS	%	0%	0	
4.25	Supervision	LS	%	5%	243	
Roadway Analysis Nontechnical Subtotal					643	
4.26	Coordination	LS	%	3%	165	
4. Roadway Analysis Total					5671	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Typical Section	EA	0	0	0			0
Pavement	EA	2	4	8	Pavement design options	yes	2
Access Management	EA	0	0	0			0
15% Line and Grade	EA	0	0	0			0
Driveways	EA	0	0	0			0
Local Governments (cities, counties, MPO)	EA	0	0	0			0
Work Zone Traffic Control	EA	1	4	4	discuss traffic control options	yes	1
60/90/100% Comment Review Meetings	EA	3	4	12		yes	4
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				24	Subtotal Project Manager Meetings		7
Progress Meetings (if required by FDOT)	EA	12	3	36	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				60	Total Project Manager Meetings (carries to Tab 3)		7

Carries to 4.21

Carries to Tab 3

Project Activity 5: Roadway Plans

Estimator:

CR 121 from CR 119 to US 1
449196-2-54-01

Representing		Print Name	Signature / Date
FDOT District			
Consultant Name			

NOTE: Signature Block is optional, per District preference

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.1	Key Sheet		Sheet	1	8	8	
5.2	Typical Section Sheets						
5.2.1	Typical Sections		EA	4	6	24	four typical sections anticipated, one for each segment
5.2.2	Typical Section Details		EA	5	8	40	development of typical section details (guardrail, cross slope correction, etc)
5.3	General Notes/Pay Item Notes		Sheet	2	10	20	includes notes to reviewers
5.4	Project Layout		Sheet	7	5	35	includes effort for the project layout sheets at 1,000 scale
5.5	Plan/Profile Sheet	50	Sheet	102	8	816	plan and profile sheets only needed for reconstruction areas (assume 8.5 miles for CR 119 to CR 2 + 3 misc miles throughout rest of corridor). 11x17 plan and profile sheets at 50 scale at 8 hrs per sheet
5.6	Profile Sheet		Sheet	0	0	0	NOT INCLUDED
5.7	Plan Sheet		Sheet	0	0	0	NOT INCLUDED
5.8	Special Profile		Sheet	10	8	80	superelevation transition profiles for 10 curves within reconstruction area. 8 hours each x 10 curves
5.9	Back-of-Sidewalk Profile Sheet		Sheet	0	0	0	NOT INCLUDED
5.10	Interchange Layout Sheet		Sheet	0	0	0	NOT INCLUDED
5.11	Ramp Terminal Details (Plan View)		Sheet	0	0	0	NOT INCLUDED
5.12	Intersection Layout Details		Intersection	7	12 or 18	108	intersection detail sheets for 4 full intersection improvements (CR 2, CR 115A, Andrews Rd, CR 108) at 18 hours each, detailed pavement connection details for 3 intersections (Sundberg Rd, Bay Rd) at 12 hours each
5.13	Special Details		EA	5	4	20	development of 5 miscellaneous special details at 4 hours each
5.14	Cross-Section Pattern Sheets		Sheet	0	0	0	NOT INCLUDED
5.15	Roadway Soil Survey Sheets		Sheet	1	1	1	provided by Geotech, 1 hours to incorporate into plan set
5.16	Cross Sections		EA	610	0.5	305	100' XS through reconstruction area, assumed 11.5 miles total

Project Activity 5: Roadway Plans

Task No.	Task	Scale	Units	No. of Units or Sheet	Hours/ Unit or Sheet	Total Hours	Comments
5.17	Temporary Traffic Control Plan Sheets		Sheet	0	0	0	NOT INCLUDED
5.18	Temporary Traffic Control Cross Section Sheets		EA	0	0	0	NOT INCLUDED
5.19	Temporary Traffic Control Detail Sheets		Sheet	6	6	36	includes development of detour signage maps for 4 segments and temporary traffic control typical sections at 6 hours per sheet
5.20	Utility Adjustment Sheets		Sheet	0	0	0	NOT INCLUDED, utilities to be labeled on plan and profile sheets
5.21	Selective Clearing and Grubbing Sheets						
5.21.1	Selective Clearing and Grubbing		Sheet	0	0	0	NOT INCLUDED
5.21.2	Selective Clearing and Grubbing Details		Sheet	0	0	0	NOT INCLUDED
5.22	Tree Disposition Sheets						
5.22.1	Tree Disposition Plan Sheets		Sheet	0	0	0	NOT INCLUDED
5.22.2	Tree Disposition Plan Tables and Schedules		Sheet	0	0	0	NOT INCLUDED
5.23	Project Control Sheets		Sheet	1	1	1	provided by Survey, 1 hours to incorporate into plans
5.24	Environmental Detail Sheets		Sheet	0	0	0	existing wetland and impact information to be shown on plan and profile sheets
5.25	Utility Verification Sheets (SUE Data)		Sheet	0	0	0	NOT INCLUDED
Roadway Plans Technical Subtotal						1494	
5.26	Quality Assurance/Quality Control		LS	%	7%	105	
5.27	Supervision		LS	%	5%	75	
5. Roadway Plans Total						1674	

Project Activity 6a: Drainage Analysis

Estimator:

Representing	Print Name	Signature / Date
Kimley-Horn		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.1	Drainage Map Hydrology	Per Map	13	12	156	Includes development of working drainage basin data to define the system hydrology and project area. 2 miles per map * 27.5 miles
6a.2	Base Clearance Calculations	Per Location	0	0	0	NOT INCLUDED
6a.3	Alternatives Memo	Per Basin	0	0	0	NOT INCLUDED
6a.4	Design of Cross Drains	EA	54	10	534	54 total crossings: 4 bridge culverts, 3 smaller box culverts, 47 pipe crossdrains (36 hours * 7 concrete box culverts) + (6 hours * 47 minor pipe culverts) = 534. design of minor pipe culverts includes design of end treatment and review of existing culverts.
6a.5	Design of Ditches	Per Ditch Mile	2.5	15	37	includes design of ditches surrounding existing drainage structures. 600LF for 7 concrete box culverts, 50LF for 47 minor cross drains. $((600*7)+(50*47))/5280 = 2.5$ miles
6a.6	Design of Stormwater Management Facility (Offsite or Infield Pond)	EA	0	0	0	NOT INCLUDED
6a.7	Design of Stormwater Management Facility (Roadside Treatment Swales and Linear Ponds)	Per Cell	0	0	0	NOT INCLUDED
6a.8	Design of Floodplain Compensation	Per Floodplain Basin	0	0	0	NOT INCLUDED
6a.9	Design of Storm Drains	EA	0	0	0	NOT INCLUDED
6a.10	Optional Culvert Material	EA	0	0	0	NOT INCLUDED
6a.11	French Drain Systems	Per Cell	0	0	0	NOT INCLUDED
6a.11.1	Existing French Drain Systems	Per Cell	0	0	0	NOT INCLUDED
6a.12	Drainage Wells	EA	0	0	0	NOT INCLUDED
6a.13	Drainage Design Documentation Report	LS	1	40	40	Includes the writing and developing the drainage design documentation report. Calculations are included in the report.
6a.14	Bridge Hydraulic Report	EA	4	40	160	40 hours per bidge culvert * 4 bridge culverts

Project Activity 6a: Drainage Analysis

Task No.	Task	Units	No of Units	Hours/ Unit	Total Hours	Comments
6a.15	Temporary Drainage Analysis	LS	1	8	8	includes analysis of temporary drainage that may be needed
6a.16	Quantities for EQ Report	Drainage Structures	4	Calculated Hours	8	calculated hours
		Phase 2 Submittal		8		
6a.17	Cost Estimate	LS	1	8	8	includes preparation of cost estimates for drainage components
6a.18	Technical Special Provisions / Modified Special Provisions	LS	0	0	0	NOT INCLUDED
6a.19	Hydroplaning Analysis	LS	0	0	0	NOT INCLUDED
6a.20	Existing Permit Analysis	LS	1	16	16	Data gathering including desktop analysis of local, state, and federal drainage permits.
6a.21	Other Drainage Analysis	LS	1	40	40	Visual inspection and recommendations memo for rehabilitation and repair
6a.22	Noise Barrier Evaluation	LS	0	0	0	NOT INCLUDED
6a.23	Erosion Control Plan	Per Mile	27.5	4	110	includes analysis and design of the Erosion control Plan. Mid-range project due to number of crossings at 4 hours per mile.
Drainage Analysis Technical Subtotal					1117	
6a.24	Field Reviews	LS	1	96	96	Includes two people, field notes and photo documentation.
6a.25	Technical Meetings	LS	1	16	16	Meetings are listed below
6a.26	Environmental Look-Around (ELA) Meeting	LS	0	0	0	N/A
6a.27	Quality Assurance/Quality Control	LS	%	7%	78	
6a.28	Independent Peer Review	LS	%	0%	0	
6a.29	Supervision	LS	%	5%	56	
Drainage Analysis Nontechnical Subtotal					246	
6a.30	Coordination	LS	%	3%	41	
6a. Drainage Analysis Total					1404	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Base Clearance Water Elevation	EA	0	0	0			0
Pond Siting	EA	0	0	0		yes	1
Agency	EA	2	2	4	Meeting with WMD	yes	2
Local Governments (cities, counties)	EA	1	2	2	Meeting with the County	yes	5
FDOT Drainage	EA	0	0	0			0
Other Meetings	EA	2	4	8	Meetings with Client	yes	1
Subtotal Technical Meetings				14			9
Progress Meetings (if required by FDOT)	EA	0	0	0	PM attendance at Progress Meetings is manually entered on General Task 3		--

Project Activity 6b: Drainage Plans

Estimator: _____

Task No.	Task	Scale	Units	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
6b.1	Drainage Map		Sheet	4	24	4	96	
6b.3	Summary of Quantities		Sheet	2	32	2	64	
6b.5	Bridge Hydraulics Recommendation Sheets		Sheet	0	0	0	0	
6b.6	Summary of Drainage Structures		Sheet	2	32	2	64	
6b.7	Optional Pipe/Culvert Material		Sheet	1	8	1	8	
6b.8	Drainage Structure Sections (Per Structure)		EA	54	2.5	1	135	Including the bridge culverts
6b.9	Miscellaneous Drainage Detail Sheets		Sheet	2	24	2	48	
6b.1	Lateral Ditch Plan/Profile		Sheet	0	0	0	0	
6b.11	Lateral Ditch Cross Sections		EA	0	0		0	
6b.12	Retention/Detention Ponds Detail Sheet		Sheet	0	0	0	0	
6b.13	Retention Pond Cross Sections		EA	0	0	0	0	
6b.14	Erosion Control Plan		Sheet	24	2	24	48	
6b.15	SWPPP		Sheet	3	6	0	18	
6b.16	Environmental Detail Sheets		LS	0	0	0	0	
Drainage Plans Subtotal						36	481	
6b.17	Quality Assurance/Quality Control		LS	%	7%		34	
6b.18	Supervision		LS	%	5%		24	
6b. Drainage Plans Total						36	539	

Project Activity 7: Utilities

Estimator:

CR 121 from CR 119 to US 1
449196-2-54-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	2	2	Meeting is listed below
7.2	Identify Existing Utility Agency Owner(s)	LS	1	3	3	Sunshine 811 call to identify UAOs
7.3	Make Utility Contacts	LS	1	36	36	based on 1 hour per UAO per contact. Assuming 12 UAOs * 3 contacts
7.4	Exception Processing	LS	1	0	0	NOT
7.5	Preliminary Utility Meeting	LS	1	0	0	Meeting is listed below
7.6	Individual/Field Meetings	LS	1	2	2	Meetings are listed below
7.7	Collect and Review Plans and Data from UAO(s)	LS	1	36	36	based on 3 hours per UAO to review UAO marked up plans and data as they are received
7.8	Subordination of Easements Coordination	LS	1	0	0	NOT INCLUDED
7.9	Utility Design Meeting	LS	1	0	0	Meeting is listed below
7.10	Review Utility Markups & Work Schedules, and Processing of Schedules & Agreements	LS	1	96	96	based on 4 hours per UAO per utility document (schedules, agreements, RGB markups, etc). Assume 12 UAOs * 2 documents per UAO * 4 hours each
7.11	Utility Coordination/Followup	LS	1	48	48	based on 4 hours per UAO. includes coordination with the UAOs, to ensure the UAOs complete and return the required documents
7.12	Utility Constructability Review	LS	1	12	12	based on 1 hours per UAO. Includes review of utility schedules against construction contract time and phasing for compatibility.
7.13	Additional Utility Services	LS	1	0	0	NOT INCLUDED
7.14	Processing Utility Work by Highway Contractor (UWHC)	LS	1	0	0	NOT INCLUDED
7.15	Contract Plans to UAO(s)	LS	1	0	0	NOT INCLUDED
7.16	Certification/Close-Out	LS	1	0	0	NOT
7.17	Other Utilities	LS	1	0	0	NOT

Project Activity 7: Utilities

7. Utilities Total				235			
Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Kickoff (see 7.1)	EA	1	2	2	utility kick off meeting with UAOs	yes	1
Preliminary Meeting (see 7.5)	EA	0	0	0			0
Individual UAO Meetings (see 7.6)	EA	2	1	2	meetings with UAOs as requested to discuss design	yes	2
Field Meetings (see 7.6)	EA	0	0	0			0
Design Meeting (see 7.9)	EA	0	0	0			0
Other Meetings (this is automatically added into Utilities Total (cell F27))	EA	0	0	0			0
Total Meetings				4	Total Project Manager Meetings (carries to Tab 3)		3

Carries to Tab 3

Project Activity 8: Environmental Permits

Estimator:

CR 121 from CR 119 to US 1

449196-2-54-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	2	6	12	Desktop review of project area, including: NWI, previous permits, Florida Water Permitting Portal, historic aerials, FNAI and USFWS listed species lists.
	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	2	40	80	Identify survey areas prior to site visit, perform site visit to review proposed culvert and minor crossing replacements, flag wetlands, fill out wetland data forms, perform wetland functional assessments
8.2.3	Species Surveys	LS	1	0	0	
8.3	Agency Verification of Wetland Data	LS	2	10	20	Site visits w/ SJRWMD and USACE to review wetland lines
8.4	Complete And Submit All Required Permit Applications					
8.4.1	Complete and Submit All Required Wetland Permit Applications	LS	1	162	162	Includes agency pre-app, agency site visit, project narrative (with GIS figures and UMAMs), and two RAI responses each from SJRWMD & USACE (if necessary). Hour breakdown by agency - 92 for SJRWMD, 70 for USACE
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	2	12	24	Work with engineers to include proper dredge and fill sketches, including sketch QC
8.6	Complete and Submit Documentation for Coordination and/or USCG 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	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.8	Prepare Coastal Construction Control Line (CCCL) Permit Application	LS	1	0	0	
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	2	6	12	Mitigation bank coordination, finalize wetland functional assessment
8.12	Regulatory Agency Support	LS	1	0	0	
	Environmental Clearances/Reevaluations					
8.13	Technical support to Department for Environmental Clearances and Reevaluations (use when consultant provides technical support only)					
8.13.1	NEPA or SEIR Reevaluation	LS	1	0	0	
8.13.2	Archaeological and Historical Resources	LS	1	0	0	
8.13.3	Wetland Impact Analysis	LS	1	0	0	
8.13.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.13.5	Protected Speices and Habitat Impact Analysis	LS	1	0	0	
8.14	Preparation of Environmental Clearances and Reevaluations (use when consultant prepares all documents associated with reevaluation)					
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	Wetland Impact Analysis	LS	1	0	0	
8.14.4	Essential Fish Habitat Impact Analysis	LS	1	0	0	
8.14.5	Protected Species and Habitat Impact Analysis	LS	1	0	0	
8.15	Other Environmental Permits	LS	1	0	0	
8.16	Contamination Impact Analysis	LS	1	0	0	
8.17	Asbestos Survey	LS	1	0	0	
Environmental Permits and Environmental Clearances/Reevaluations Technical Subtotal					310	

Project Activity 8: Environmental Permits

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments
8.18	Technical Meetings	LS	1	4	4	Meetings are listed below
8.19	Quality Assurance/Quality Control	LS	%	7%	22	
8.20	Supervision	LS	%	5%	16	
Environmental Permits and Environmental Clearances Nontechnical Subtotal					42	
8.21	Coordination	LS	%	3%	11	
8. Environmental Permits and Environmental Clearances Total					363	

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
WMD	EA	4	1	4	pre-app meeting with SJRWMD	yes	1
NMFS	EA	0	0	0			0
USACE	EA	0	0	0			0
USCG	EA	0	0	0			0
USFWS	EA	0	0	0			0
FFWCC	EA	0	0	0			0
FDOT	EA	0	0	0			0
Other Meetings	EA	0	0	0			0
Subtotal Technical Meetings				4	Subtotal Project Manager Meetings		1
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				4	Total Project Manager Meetings (carries to Tab 3)		1

Carries to 8.18

Carries to Tab 3

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

Estimator:

Enter project name & description
999999-1-32-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	Design and Production Staffhours				Comments				
			No. of Units	Hours per Unit	No. of Sheets	Total					
	General Drawings										
9.1	Key Sheet and Index of Drawings	Sheet	0	0	0	0	part of roadway set - not provided here				
9.2	Project Layout	Sheet	0	0	0	0	part of roadway set - not provided here				
9.3	General Notes and Bid Item Notes	Sheet	0	0	0	0					
9.4	Miscellaneous Common Details	Sheet	0	0	0	0	part of roadway set - not provided here				
9.5	Incorporate Report of Core Borings	Sheet	4	0.5	4	2	assume four boring sheets				
9.6	Standard Plans- Bridges	LS	1	0		0					
9.7	Existing Bridge Plans	LS	1	4		4					
9.8	Structures Quantities for EQ Report	Bridges	0	Calculated Hours		0					
		Walls	0								
		Box Culverts	0								
9.9	Cost Estimate	LS	1	0		0					
9.10	Technical Special Provisions and Modified Special Provisions	LS	1	0		0					
Structures - Summary and Miscellaneous Tasks and Drawings					4	6					
Task No.	Task	Total	Task 10	Task 11	Task 12	Task 13	Task 14	Task 15	Task 16	Task 17	Task 18
10-16	Bridge 1	0	0	0	0	0	0	0	0		
10-16	Bridge 2	0									
10-16	Bridge 3	0									

Project Activity 9: Structures Summary and Miscellaneous Tasks and Drawings

10-16	Bridge 4	0									
10-16	Bridge 5	0									
10-16	Bridge 6	0									
10-16	Bridge 7	0									
10-16	Bridge 8	0									
10-16	Bridge 9	0									
10-16	Bridge 10	0									
17	Retaining Walls	0								0	
18	Miscellaneous Structures	186									186
Structures Technical Subtotal		186	0	0	0	0	0	0	0	0	186
Task No.	Task	Units	No. of Units	Hours per Unit	Total	Comments					
9.11	Field Reviews	LS	1	32	32	2 people 8 hours - 2 visits = 32					
9.12	Technical Meetings	LS	1	4	4	Meetings are listed below					
9.13	Quality Assurance/Quality Control	LS	%	7%	13						
9.14	Independent Peer Review	LS	1	0	0						
9.15	Supervision	LS	%	5%	10						
Structures Nontechnical Subtotal					59						
9.16	Coordination	LS	1	62	62	roadway (24), geotech (14), drainage (24) = 62					
9. Structures - Summary and Miscellaneous Tasks and Drawings					127						

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
BDR Coordination/Review	EA	0	0	0			0
90/100% Comment Review	EA	2	2	4			0
Aesthetics Coordination	EA	0	0	0			0
Regulatory Agency	EA	0	0	0			0
Local Governments (cities, counties)	EA	0	0	0			0

Project Activity 18: Miscellaneous Structures

Estimator:

Enter project name & description

999999-1-32-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Unit	No. of Units	Hours/ Unit	No. of Sheets	Total Hours	Comments
Concrete Box Culvert							
18.1	Concrete Box Culverts	EA	4	15		60	4 total replacements - 4 bridge culverts - bridge culverts will require load rating with standard design (18 hours each) = 4*15
18.2	Concrete Box Culverts Extensions	EA Extension	6	12		72	3 total culverts * 2 extensions each = 6 total extensions. non-qualifying culverts are 90 degrees to road and standard design (12 hours each) = 6*12
18.3	Concrete Box Culvert Data Table Plan Sheets	Sheet	5	6	5	30	2 culverts per sheet = 10/2 round up = 5
18.4	Concrete Box Culvert Special Details Plan Sheets	Sheet	4	6	4	24	4 bridge culvert load rating sheets.
Strain Poles							
18.5	Steel Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.6	Concrete Strain Poles	Initial Config	0	0		0	
		EA Add'l Config	0	0		0	
18.7	Strain Pole Data Table Plan Sheets	Sheet	0	0	0	0	
18.8	Strain Pole Special Details Plan Sheets	Sheet	0	0	0	0	
Mast Arms							
18.9	Mast Arms	EA Design	0	0		0	
18.10	Mast Arms Data Table Plan Sheets	Sheet	0	0	0	0	
18.11	Mast Arm Special Details Plan Sheets	Sheet	0	0	0	0	
Overhead/Cantilever Sign Structures							
18.12	Cantilever Sign Structures	EA Design	0	0		0	
18.13	Overhead Span Sign Structures	EA Design	0	0		0	
18.14	Special (Long Span) Overhead Span Sign Structures	EA Design	0	0		0	
18.15	Monotube Overhead Sign Structure	EA Design	0	0		0	
18.16	Bridge Mounted Signs (Attached to Superstr.)	EA Design	0	0		0	
18.17	Overhead and Cantilever Sign Structures Data Table Plan Sheets	Sheet	0	0	0	0	
18.18	Overhead and Cantilever Sign Structures Special Details Plan Sheets	Sheet	0	0	0	0	
High Mast Lighting							
18.19	Non-Standard High Mast Lighting Structures	EA Design	0	0		0	
18.20	High Mast Lighting Special Details Plan Sheets	Sheet	0	0	0	0	
Noise Barrier Walls (Ground Mount)							
18.21	Horizontal Wall Geometry	EA Wall	0	0		0	
18.22	Vertical Wall Geometry	EA Wall	0	0		0	
18.23	Summary of Quantities - Aesthetic Requirements	Sheet	0	0	0	0	
18.24	Control Drawings	Sheet	0	0	0	0	
18.25	Design of Noise Barrier Walls Covered by Standards	EA Design	0	0		0	
18.26	Design of Noise Barrier Walls Not Covered by Standards	EA Design	0	0		0	
18.27	Aesthetic Details	LS	1	0		0	

Project Activity 18: Miscellaneous Structures

Special Structures							
18.28	Fender System	LS	1	0		0	
18.29	Fender System Access	LS	1	0		0	
18.30	Special Structures	LS	1	0		0	
18.31	Other Structures	LS	1	0		0	
Ancillary Structures Report							
18.32	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.33	Condition Evaluation of Signal and Sign Structures, and High Mast Light Poles (No As built or Design Plans Available)	EA structure	0	0	0	0	
18.34	Analytical Evaluation of Signal and Sign Structures, and High Mast Light Poles	EA structure	0	0	0	0	
18.35	Ancillary Structures Report	LS	1	0		0	
18. Structures - Miscellaneous Total					9	186	

Project Activity 19: Signing and Pavement Marking Analysis

Estimator:

CR 121 from CR 119 to US 1
449196-2-54-01

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	80	80	Review Traffic Count data collected by subconsultant. Develop traffic volumes for opening year 2024 and design year 2040. Calculate ESAL values for pavement design
19.2	No Passing Zone Study	LS	1	220	220	review of existing center stripe related to MUTCD warrants for no passing zone. Changes to center strip to be made as necessary. Based on 8 hrs per mile for analysis
19.3	Signing and Pavement Marking Master Design File	LS	1	338	338	Low Range. 20 hrs for initial setup + 12 hrs per mile. Includes striping details for intersections, railroad crossings, and no passing zone areas
19.4	Multi-Post Sign Support Calculations	EA	1	0	0	NOT INCLUDED
19.5	Sign Panel Design Analysis	EA	1	0	0	NOT INCLUDED
19.6	Sign Lighting/Electrical Calculations	EA	1	0	0	NOT INCLUDED
19.7	S&PM Quantities for EQ Report	Length (Miles)	27.50	Calculated Hours	52	calculated hours used
		Complexity	Low Range			
		Interchanges Rest Areas	0	52		
19.8	Cost Estimate	LS	1	0	0	included in roadway analysis cost estimate (4.17)
19.9	Technical Special Provisions and Modified Special Provisions	LS	1	0	0	NOT INCLUDED
19.10	Other Signing and Pavement Marking	LS	1	0	0	NOT INCLUDED
Signing and Pavement Marking Analysis Technical Subtotal					690	
19.11	Field Reviews	LS	1	0	0	included in roadway analysis (4.20)
19.12	Technical Meetings	LS	1	0	0	Meetings are listed below
19.13	Quality Assurance/Quality Control	LS	%	7%	48	
19.14	Independent Peer Review	LS	%	0%	0	
19.15	Supervision	LS	%	5%	35	
Signing and Pavement Marking Analysis Nontechnical Subtotal					83	
19.16	Coordination	LS	%	3%	23	
19. Signing and Pavement Marking Analysis Total					796	

Project Activity 19: Signing and Pavement Marking Analysis

Task No.	Task	Units	No. of Units	Hours/ Units	Total Hours	Comments		
Technical Meetings		Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Sign Panel Design		EA	0	0	0			0
Queue Length Analysis		EA	0	0	0			0
Local Governments (cities, counties)		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 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)	0

Carries to 19.12

Carries to Tab 3

Estimator: 20. Signing and Pavement Marking Plans										CR 121 from CR 119 to US 1 449196-2-54-01
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	Provide documentation when negotiated hours differ from the calculated hours.	
20.1	Key Sheet		0		0	0	0	0		
	Signature Sheet		0		0	0	0	0	not needed - signing and pavement markings will be included in roadway plan set	
20.2	General Notes/Pay Item Notes		0		0	0	0	0	not needed - signing and pavement markings will be included in roadway plan set	
20.3	Project Layout		0		0	0	0	0	not needed - signing and pavement markings will be included in roadway plan set	
20.4	Plan Sheet	Length (Miles)	3.00	Mid Range	63	0	0	63	plan sheets for targeted areas throughout corridor as needed. Striping limits and sign placement to be notated with special details and plan noting.	
		Sig Intersection Mid-Block Xing	8		16	0	0	16	intersection striping plans for major intersections (CR 2, CR 108, Bay Road, River Road, Andrews Road)	
		Interchange Roundabout	0		0	0	0	0		
		Rest Area Toll Facility	0		0	0	0	0		
20.5	Special Details	Details	5	Simple	10	0	0	10	details for passing zone center striping	
			5	Standard	20	0	0	20	details for driveways and minor intersections	
			2	Complex	12	0	0	12	details for 2 railroad crossings (Norfolk Southern and CSX)	
20.6	Service Point Details	Service Point	0	Simple	0	0	0	0		
			0	Standard	0	0	0	0	0	
20.7	Guide Sign Data	Sign Panel	0		0	0	0	0		
20.8	Cross Sections (Sign Installations)	Multi-post signs	0		0	0	0	0		
			0	Standard	0	0	0	0	0	
		Overhead Sign Structures	0	Complex	0	0	0	0	0	
S&PM Plans Technical Hours Subtotal					121	0	0	121		
20.9	Quality Assurance/Quality Control	%	1	7%	9			9		
20.10	Supervision	%	1	5%	7			7		
S&PM Plans Total								137		

ESTIMATE OF WORK EFFORT AND COST - PRIME CONSULTANT

Name of Project:
County:
FPN:
FAP No.:

POST DESIGN SERVICES: CR 121 from CR 119 to US 1
Nassau
449196-2-54-01

Consultant Name: Kimley-Horn and Associates, Inc.
Consultant No.:
Date: January 7, 2025
Estimator:

Staff Classification	Chief Engineer 2	Chief Engineer 1	Senior Engineer 2	Senior Engineer 1	Engineer 2	Engineer 1	Engineering Intern	Secretary / Clerical	NA	SH	Salary	Average
	\$308.69	\$284.10	\$275.37	\$240.40	\$218.55	\$168.28	\$147.52	\$125.66	\$0.00	By Activity	Cost By Activity	Rate Per Task
Preconstruction Meeting			12		12					24	\$5,927	\$246.96
Shop Drawing Reviews	10	10	10	20	20	40	10			120	\$26,067	\$217.23
RFI		25	25	15	40	30	35			170	\$36,546	\$214.98
Contract Support (18 months)											\$0	\$0.00
Progress Meetings			12		12	10				34	\$7,610	\$223.82
Field Reviews			30		30					60	\$14,817	\$246.96
Billing Administration			10		10			10		30	\$6,196	\$206.53
Total Staff Hours	10	35	99	35	124	80	45	10	0	438		
Total Staff Cost	\$3,086.90	\$9,943.67	\$27,261.68	\$8,414.07	\$27,099.63	\$13,462.51	\$6,638.25	\$1,256.60	\$0.00		\$97,163.31	\$221.83

Check = \$97,163.31

GRAND TOTAL ESTIMATED FEE: \$97,160.00

TOTAL PROJECT ESTIMATE

TASK A - ROADWAY - CR-121 FROM CR-119 to US-1

CONTRACT No.: TBD
LOCATION: NASSAU

DATE: 12/10/2024

ALL EGS RATES INCLUDE 3% ESCALATION PER YEAR OF APPROVED CONTRACT

Description	Units	Number of Units	Unit Price	Cost For This Period
LABOR SUMMARY				
Contract Coordinator	Hour	19	\$102.81	\$1,953.39
MAT CADD / Computer Technician	Hour	91	\$94.84	\$8,630.44
MAT Chief Engineer	Hour	31	\$193.11	\$5,986.41
MAT Engineer	Hour	72	\$130.04	\$9,362.88
MAT Engineering Intern	Hour	176	\$85.36	\$15,023.36
MAT Senior Engineer	Hour	60	\$208.89	\$12,533.40
MOT Qualified Worksite Traffic Supervisor (TS)	Hour	2	\$115.44	\$230.88
MAT Engineering Technician	Hour	520	\$75.84	\$39,436.80
TOTAL LABOR		971		\$93,157.56
FIELD UNIT SUMMARY				
209-Asphalt Pavement Coring - 4in dia with Base Depth Check	Each	290	\$257.50	\$74,675.00
440-Geo Grout Boreholes- Truck/Mud Bug 0-50 Ft	LF	1450	\$8.24	\$11,948.00
447-Geo Hand Auger with SCP (0-50Ft) ASTM D1453	LF	1450	\$22.66	\$32,857.00
603-Mobilization Asphalt Coring Equipment	Each	1	\$515.00	\$515.00
612-Mobilization Drill Rig Truck Mount	Each	1	\$618.00	\$618.00
706-MOT Portable Sign	Each	390	\$51.50	\$20,085.00
708-MOT Provide Channelizing Devices – Cone (Each Cone)	Each	600	\$10.30	\$6,180.00
TOTAL FIELD				\$146,878.00
LABORATORY UNIT SUMMARY				
805-Soils Corrosion Series FM 5-550 through 5-553	Test	6	\$283.25	\$1,699.50
810-Soils Limerock Bearing Ratio (LBR) FM 5-515	Test	81	\$360.50	\$29,200.50
811-Soils Liquid Limit AASHTO T89	Test	37	\$58.71	\$2,172.27
819-Soils Organic Content Ignition FM 1 T-267	Test	145	\$44.29	\$6,422.05
822-Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Test	290	\$96.82	\$28,077.80
826-Soils Plastic Limit & Plasticity Index AASHTO T90	Test	37	\$58.71	\$2,172.27
TOTAL LABORATORY				\$69,744.39

LABOR TOTAL:	\$93,157.56
FIELD TOTAL:	\$146,878.00
LAB TOTAL:	\$69,744.39

TOTAL PROJECT ESTIMATE: \$309,779.95

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

DATE: 12/10/2024

Page 1 of 6

PHASE II BASIC SERVICES- RECONSTRUCTION AND RESURFACING

PROJECT: TASK A - ROADWAY - CR-121 FROM CR-119 to US-2
LOCATION: NASSAU
CONTRACT No.: TBD

ROADWAY SPECIFICS - BASED ON 2A (8.356), 2B (5.826), 2C (5.816), 2D (7.442)		
Roadway Length =	27,440	mi
	144,883	ft
Width =		lanes

TASK: GEOTECHNICAL - ROADWAY AND SWMF

ROADWAY SOIL SURVEY		STORMWATER MANAGEMENT FACILITIES (SWMF's)		GEOPHYSICAL	
NUMBER OF BORINGS =	290 borings	NUMBER OF BORINGS =	borings	NUMBER OF BORINGS =	borings
Mobilization (Truck Drill) =	1 ea	Mobilization (Track Drill) =	ea	Mobilization (Track Drill) =	ea
Hand Augers w/ SCP =	290 = 1450 ft (HA)	SPT Borings (SWMF @ 30 Ft) =	ft (SPT)	SPT Borings =	ft (SPT)
SPT Borings (Organic Investigation) =	= ft (SPT)	SPT Borings (Swale @ 20 Ft) =	ft (SPT)	Extra Split Spoon =	ea
SPT Borings (Embankment) =	= ft (SPT)	Extra Split Spoon (Continuous) =	ea	Grout Borings =	ft
Extra Split Spoon =	ea	Grout Borings =	ft	Casing =	ft
Grout Borings =	1450 ea	Geo Field Permeability 0-10 Ft =	ea	Mobilization (GPR / ERI) =	ea
Casing =	ft	Geo Piezometer =	ft	GPR / ERI Equipment Only =	hrs
LABORATORY TESTING:		LABORATORY TESTING:		LABORATORY TESTING:	
1 Grainsize per 5 Ft of Soil Boring =	290 tests	1 Grainsize per 5 Ft of Soil Boring =	ea	Grainsize Tests =	tests
1 Atterberg per 40 Ft of Soil Boring =	37 tests	1 Atterberg per 10 Ft of Soil Boring =	ea	Atterberg =	tests
1 Organic Content per 10 Ft of Soil Boring =	145 tests	1 Organic Content per 10 Ft of Soil Boring =	ea	Organic Content Test =	tests
LBR Samples =	81 per sample			MISCELLANEOUS	
Corrosion Series =	6 tests	CROSS DRAINS >36-INCHES		Drill Rig - Days on Site =	30 day
Laboratory Permeability Test (Rigid Pavement) =	tests	NUMBER OF BORINGS =	borings	Mob. Between Borings (Truck) =	hrs
PAVEMENT CORE AND CONDITION SURVEY		Mobilization (Track Drill) =	ea	Mob. Between Borings (Track) =	hrs
Mobilization (Pavement Core Drill) =	1 ea	SPT Borings (15 Ft) =	ft (SPT)	Field Vane Shear Test =	tests
4 Inch Asphalt Cores =	290 ea	Extra Split Spoon =	ea	SUMMARY - 35.1 THROUGH 35.26	
4 Inch Concrete Cores =	ea	Grout Borings =	ft	TOTAL BORINGS = 290	
CLEARING		LABORATORY TESTING:		TOTAL PAVEMENT CORES = 290	
Mobilization of Clearing Equipment	ea	1 Grainsize per 5 Ft of Soil Boring =	ea	TOTAL STORMWATER PONDS =	
Geo Chainsaw	day	1 Atterberg per 10 Ft of Soil Boring =	ea	TOAL CROSS DRAINS >36-IN =	
Geo Clearing Equip - Skid Steer / ASV, Forest Mulching Attachment	day	1 Organic Content per 10 Ft of Soil Boring =	ea	TOTAL SMALL DRAINAGE STRUCTURES =	
Geo Clearing Equipment	day	SMALL DRAINAGE STRUCTURES		TOTAL FOOTAGE = 1450	
TEMPORARY TRAFFIC CONTROL (TTC / MOT)		NUMBER OF BORINGS =	borings	TOTAL SPT FOOTAGE =	
Arrow Board	ea	Mobilization (Track Drill) =	ea	TOTAL HAND AUGER FOOTAGE = 1450	
Light Tower =	ea	SPT Borings (10 Ft) =	ft (SPT)	TOTAL EMBANKMENT BORINGS =	
Portable Changeable Message Sign (PCMS) =	ea	Extra Split Spons =	ea	TOTAL RESILIENT MODULUS SAMPLES = 81	
Cones =	600 ea	Grout Borings =	ft	FLAGMEN (TTC / MOT) - SEE 35.49	
Portable Sign =	390 ea	LABORATORY TESTING:		TOTAL AMOT OFFICER (HRS) =	
MOT Support Vehicle =	hr	1 Grainsize per 5 Ft of Soil Boring =	ea	TOTAL FLAGMEN (ENG. TECH - HRS) = 480	
MOT - Attenuator Truck (Crash Trailer) =	hr	1 Plastic Limit and Liquid Limit per 10 Ft of Soil Bori	ea		
Shadow Vehicle w/ Advanced Warning Arrow & Attenuator =	hr	1 Organic Content per 10 Ft of Soil Boring =	ea		
Rumble Strips (SP 102-603) - Per Set =	ea				
Off-Duty Law Officer =	hr				

TRUCK DRILL	PAVEMENT
MOBILIZATION = 1	MOBILIZATION = 1
SPT (0-50) =	CORE (ASPHALT) = 290
SPT (50-100) =	CORE (CONCRETE) =
EXTRA SPT (0-50) =	CLEARING
EXTRA SPT (50-100) =	MOBILIZATION =
GROUT (0-50) = 1450	CHAINSAW =
GROUT (50-100) =	MULCHING ATTCH =
SHELBY (0-50) =	CLEARING =
SHELBY (50-100) =	PERMEABILITY
CASING (0-50) =	PIEZOMETER =
CASING (50-100) =	CASED HOLE =
TRACK DRILL	DRI =
MOBILIZATION =	GEOPHYSICAL
SPT (0-50) =	GPR / ERI =
SPT (50-100) =	TTC / MOT
EXTRA SPT (0-50) =	ARROW BOARD =
EXTRA SPT (50-100) =	LIGHT TOWER =
GROUT (0-50) =	PCMS =
GROUT (50-100) =	CONES = 600
SHELBY (0-50) =	SIGNS = 390
SHELBY (50-100) =	SUPPORT V. =
CASING (0-50) =	ATT. TRAILER =
CASING (50-100) =	SHADOW V. =
CPT DRILL	RUMBLE STRIPS =
MOBILIZATION =	LAW OFFICER =
CPT (0-50) =	LABORATORY
CPT (50-100) =	MOISTURE CONT. = 580
HAND AUGERS	GRAINSIZE = 290
HAND AUGERS = 1450	ATTERBERG = 37
MISC. DRILLING	ORGANIC CONT. = 145
SUPPORT VEHICLE = 30	CORROSION = 6
TRUCK =	LBR = 81
TRACK =	CONSOLIDATION =
VANE SHEAR =	UC (SOIL) =

SCOPE OF SERVICES BREAKDOWN (35.1 THROUGH 35.26)		
PHASE II ROADWAY SOIL SURVEY	LIMEROCK BEARING RATIO (LBR)	TEMPORARY TRAFFIC CONTROL (TTC) / MAINTENANCE OF TRAFFIC (MOT)
PHASE II ROADWAY SOIL SURVEY: BASED ON PERFORMING 1 PAVEMENT CORE COUPLED WITH 1-5 FT HAND AUGER PER 500 LF OF ROADWAY BASED ON 27.440 MILES (144,883 FT) 144,883 FT / 500 FT = 290 PAVEMENT CORES / SOIL BORINGS (1,450 FT HA / 290 CORES / 30 DAYS)	LBR TESTING: BASED ON PERFORMING 3 LBR's PER MILE x 27 MILES 81 LBR's	TEMPORARY TRAFFIC CONTROL: BASED ON 30 DAYS OF TRAVEL LANE TTC (SP 102-603) WITH FLAGMEN SIGNS: 13 SIGNS x 30 DAYS = 832 CONES: 20 CONES x 30 DAYS = 1,280 FLAGMEN: 2 FLAGMEN x 8 HRS/DAY x 30 DAYS = 1,024 HRS

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

FPID: _____

TASK: **GEOTECHNICAL - ROADWAY AND SWMF**

PROJECT: **TASK A - ROADWAY - CR-121 FROM CR-119 to US-1**

LABOR CATEGORY (Hours) - ROADWAY		Contract Coord.	MAT CADD Comp. Tech.	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineer	MAT Senior Engineer Tech.	MOT Qualified Worksite T.S.	MAT Eng. Tech.	Number of Units	Hours Per Unit	Estimated Total Staff Hours	FDOT Estimated Staff Hour Range	Estimated Task Difficulty (Scale 1 to 5) 1-Low / 5-High	Task Comments
35.1	Document Collection and Review					3	1				1.0	4.0	4	4.0 - 40.0 hrs (Per Project)	1	LOW DIFFICULTY - BASED ON MINIMUM TIME NEEDED FOR TASK
35.2	Develop Detailed Boring Location Plan/ Asphalt Locations				8	12	4				1.0	24.0	24	Phase I Effort - 1-4 Hrs Phase II Effort - 2-32 Hrs	3	MODERATE DIFFICULTY - BASED ON MINIMUM TIME NEEDED FOR TASK
35.3	Stake Boring Locations in Field/Utility Clearance					40					1.0	40.0	40	Based on Project Location Site Specific	3	MODERATE DIFFICULTY - BASED ON TIME TO TRAVEL TO SITE TO MARK BORINGS, THEN RE-MOB TO EVALUATE UTILITY CONFLICTS
35.4	Muck Probing													2 Person Crew 400 Ft Per Day (16 Hrs Per Day)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.5	Coordination and Develop TTCP Plans For Field Investigation								2		1.0	2.0	2	2.0 to 8.0 hr (Per TTCP Mobilization)	1	LOW DIFFICULTY - BASED ON SUBMITTAL OF 1 LANE CLOSURE (ON-GOING) - 30 DAYS OF MOT/TTTC
35.6	Drilling Access Permits													3.0 to 16.0 hr (Per Location)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.7	Property Clearances													0.25 hr (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.8	Groundwater Monitoring													3.0 to 8.0 hr (Per Trip)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.9	LBR/Resilient Modulus Sampling									40	1.0	40.0	40	4-8 hr Delivery to SMO - 4.0 hr (RM Only)	5	HIGH DIFFICULTY - BASED ON 40 HRS TO COLLECT 81 LBR's
35.10	Coordination of Field Work					11					14.50	0.75	11	0.5 to 1.0 hr (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON PHASE II GEOTECHNICAL ROADWAY SOIL SURVEY (290 BORINGS / 1,450 FT)
35.11	Soil & Rock Classification - Roadway					33					14.50	2.25	33	2.0 to 2.5 hr (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON PHASE II GEOTECHNICAL ROADWAY SOIL SURVEY (290 BORINGS / 1,450 FT)
35.12	Design LBR				4	11	1				1.0	16.0	16	1.0 to 16.0 hr (Per Project)	5	HIGH DIFFICULTY - BASED ON 16 HRS TO PERFORM DESIGN LBR
35.13	Laboratory Data		11								14.50	0.75	11	0.5 to 1.0 hr (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON PHASE II GEOTECHNICAL ROADWAY SOIL SURVEY (290 BORINGS / 1,450 FT)
35.14	Seasonal High Water Table				24	26	8				290.0	0.20	58	0.1 to 1.0 hr (Per Boring)	1	LOW DIFFICULTY - BASED ON MINIMUM TIME NEEDED FOR TASK
35.15	Calculate Parameters for Water Retention Areas													1.0 to 4.0 hr (Per SWMF)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.16	Delineate limits of Unsuitable Material				16	26	8				20.0	2.5	50	1.0 to 4.0 hr (Per Plan View Page)	3	MODERATE DIFFICULTY - BASED ON 20 PAGES
35.17	Electronic Files For Cross Sections		22								14.50	1.5	22	1.0 to 2.0 hr (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON PHASE II GEOTECHNICAL ROADWAY SOIL SURVEY (290 BORINGS / 1,450 FT)
35.18	Embankment Settlement and Stability													1.0 to 4.0 hr (Per Emb. Boring) (Min 4.0 hr)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.19	Monitor Existing Structures													1.0 to 4.0 hr (Per Project)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.20	Stormwater Volume Recovery													4.0 to 8.0 hr (Per SWMF)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.21	Geotechnical Recommendations			2	4		4				1.0	10.0	10	4.0 to 40.0 hr (Per Report)	3	MODERATE DIFFICULTY - BASED ON 27.4 MILES OF IMPROVEMENT
35.22	Pavement Condition Survey and Pavement Evaluation Report													1.0 to 2.0 hrs (Per Lane Mile) AND 4.0 to 20.0 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.23	Preliminary Roadway Report													7.0 to 20.0 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.24	Final Report			2	16	14	8				1.0	40.0	40	16 to 80 hrs (Per Report)	3	MODERATE DIFFICULTY - BASED ON 27.4 MILES OF IMPROVEMENT
35.25	Auger Boring Drafting		58								14.50	4.0	58	2.0 to 6.0 hrs (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON 1,450 FT OF HAND AUGER SOIL BORINGS
35.26	SPT Boring Drafting													3.0 to 8.0 hrs (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
ROADWAY GEOTECHNICAL SUBTOTAL (LABOR - HOURS)			91	4	72	176	34		2	40			419			
		419														

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

PROJECT: TASK A - ROADWAY - CR-121 FROM CR-119 to US-1

LOCATION: NASSAU

DATE: 12/10/2024

FPID:

CONTRACT No.: TBD

BRIDGE SPECIFICS - N/A

Phase II Bridge Borings borings at

Bridge BDR Borings BDR at

Culvert BDR Borings borings at

Total Footage

Page 3 of 6

TASK: GEOTECHNICAL - STRUCTURAL

BRIDGE INVESTIGATION		MAST ARM / STRAIN POLE INVESTIGATION		RETAINING WALL / SHEET PILE WALL INVESTIGATION	
NUMBER OF BRIDGES	bridges	NUMBER OF BORINGS	borings	NUMBER OF BORINGS =	borings
NUMBER OF BORINGS	borings	Mobilization (Truck Drill) =	ea	Mobilization (ATV Drill) =	ea
Mobilization (Truck Drill) =	ea	SPT 0 - 50 ft =	ft (SPT)	SPT 0 - 50 ft =	ft (SPT)
SPT 0 - 50 ft =	ft (SPT)	Extra Split Spoon =	ea	Extra Split Spoon =	ea
50 - 100 ft =	ft (SPT)	Grout Borings =	ea	Grout Borings =	ft
100 - 150 ft =	ft (SPT)	Casing =	ft	Casing =	ft
Rock Coring 0 - 50 ft =	ft (Core)	LABORATORY TESTING:		LABORATORY TESTING	
50 - 100 ft =	ft (Core)	1 Grainsize per 5 Ft of Soil Boring =	tests	1 Grainsize per 5 ft of Soil Borin	tests
100 - 150 ft =	ft (Core)	1 Atterberg per 10 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Bori	tests
Extra SPT 0 - 50 ft =	ea	1 Organic Content per 10 Ft of Soil Boring =	tests	1 Organic per 10 ft of Soil Borin	tests
50 - 100 ft =	ea	HIGH MAST LIGHTING / OVERHEAD SIGN STRUCTURE		NOISE WALL INVESTIGATION	
100 - 150 ft =	ea	NUMBER OF BORINGS	borings	NUMBER OF BORINGS =	borings
Grout 0 - 50 ft =	ft	Mobilization (ATV Drill) =	ea	Mobilization (ATV Drill) =	ea
50 - 100 ft =	ft	SPT 0 - 50 ft =	ft (SPT)	Extra Split Spoon =	ea
100 - 150 ft =	ea	Extra Split Spoon =	ea	Grout Borings =	ft
4 in Casing 0 - 50 ft =	ft	Grout Borings =	ea	Casing =	ft
50 - 100 ft =	ft	Casing =	ft	LABORATORY TESTING	
100 - 150 ft =	ft	LABORATORY TESTING:		1 Grainsize per 5 Ft of Soil Boring =	tests
Shelby Tube 0 - 50 ft =	ea	1 Grainsize per 5 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Bori	tests
50 - 100 ft =	ea	1 Atterberg per 10 Ft of Soil Boring =	tests	1 Organic per 10 ft of Soil Borin	tests
100 - 150 ft =	ea	1 Organic Content per 10 Ft of Soil Boring =	tests	BUILDING INVESTIGATION	
Coring Bridge Deck	ea	TRADITIONAL LIGHTING INVESTIGATION		NUMBER OF BORINGS =	borings
LABORATORY TESTING:		NUMBER OF BORINGS	borings	Mobilization (ATV Drill) =	ea
1 Grainsize per 5 Ft of Soil Boring =	tests	Mobilization (Truck Drill) =	ea	SPT 0 - 50 ft =	ft (SPT)
1 Atterberg per 10 Ft of Soil Boring =	tests	SPT 0 - 50 ft =	ft (SPT)	Extra Split Spoon =	ea
1 Organic Content per 10 Ft of Soil Boring =	tests	Extra Split Spoon =	ea	Grout Borings =	ft
2 Corrosion Tests Per Bridge (1 Soil / 1 Water) =	tests	Grout Borings =	ea	Casing =	ft
UC - Soil =	ea	Casing =	ft	LABORATORY TESTING	
UC - Rock =	ea	LABORATORY TESTING:		1 Grainsize per 5 ft of Soil Borin	tests
Split Tensile - Rock =	ea	1 Grainsize per 5 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Bori	tests
BRIDGE APPROACH INVESTIGATION		1 Atterberg per 10 Ft of Soil Boring =	tests	1 Organic per 10 ft of Soil Borin	tests
NUMBER OF BORINGS	borings	1 Organic Content per 10 Ft of Soil Boring =	tests	CONCRETE BOX CULVERT INVESTIGATION	
Mobilization (Truck Drill) =	ea	HIGH TENSION CABLE BARRIER INVESTIGATION		NUMBER OF CULVERTS =	culverts
SPT 0 - 50 ft =	ft (SPT)	NUMBER OF BORINGS	borings	NUMBER OF BORINGS =	borings
Extra Split Spoon =	ea	Mobilization (Truck Drill) =	ea	Mobilization (ATV Drill) =	ea
Grout Borings =	ea	SPT 0 - 50 ft =	ft (SPT)	SPT 0 - 50 ft =	ft (SPT)
Shelby Tube =	ea	Extra Split Spoon =	ea	Extra Split Spoon =	ea
LABORATORY TESTING:		Grout Borings =	ea	Grout Borings =	ft
1 Grainsize per 5 Ft of Soil Boring =	tests	Casing =	ft	Shelby =	ea
1 Atterberg per 10 Ft of Soil Boring =	tests	LABORATORY TESTING:		Casing =	ft
1 Organic Content per 10 Ft of Soil Boring =	tests	1 Grainsize per 5 Ft of Soil Boring =	tests	LABORATORY TESTING	
Consolidation Tests =	tests	1 Atterberg per 10 Ft of Soil Boring =	tests	1 Grainsize per 5 ft of Soil Borin	tests
UC Soil Tests =	tests	1 Organic Content per 10 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Bori	tests
CLEARING		CCTV POLE INVESTIGATION		1 Organic per 10 ft of Soil Borin	tests
Mobilization of Clearing Equipment	ea	NUMBER OF BORINGS	borings	Consolidation =	tests
Geo Chainsaw	day	Mobilization (ATV Drill) =	ea	UC Soil =	tests
Geo Clearing Equip - Skid Steer / ASV, Forest Mulching Attachment	day	SPT 0 - 50 ft =	ft (SPT)	SUMMARY (35.27 THROUGH 35.49)	
Geo Clearing Equipment	day	Extra Split Spoon =	ea	TOTAL BORINGS =	
TEMPORARY TRAFFIC CONTROL (TTC / MOT)		Grout Borings =	ea	TOTAL SPT FOOTAGE =	
Arrow Board	ea	Casing =	ft	TOTAL BRIDGE BORINGS =	
Light Tower =	ea	LABORATORY TESTING:		TOTAL BDR BORINGS =	
Portable Changeable Message Sign (PCMS) =	ea	1 Grainsize per 5 Ft of Soil Boring =	tests	TOTAL RETAINING WALL BORINGS =	
Cones =	ea	1 Atterberg per 10 Ft of Soil Boring =	tests	TOTAL SHEET PILE WALL BORINGS =	
Portable Sign =	ea	1 Organic Content per 10 Ft of Soil Boring =	tests	TOTAL POLES (35.43) =	
MOT Support Vehicle =	hr	MISCELLANEOUS		TOTAL BOX CULVERTS =	
MOT - Attenuator Truck (Crash Trailer) =	hr	Drill Rig - Days on Site =	day	FLAGMEN (TTC / MOT) - SEE 35.49	
Shadow Vehicle w/ Advanced Warning Arrow & Attenuator =	hr	Mob. Between Borings (Truck) =	hrs	TOTAL AMOT OFFICER (HRS) =	
Rumble Strips (SP 102-603) - Per Set =	ea	Mob. Between Borings (Track) =	hrs	TOTAL FLAGMEN (ENG. TECH - HRS) =	
Off-Duty Law Officer =	hr	Field Vane Shear Test =	tests		

TRUCK DRILL	PAVEMENT
MOBILIZATION =	MOBILIZATION =
SPT (0-50) =	CORE (CONCRETE) =
SPT (50-100) =	CLEARING
SPT (100-150) =	MOBILIZATION =
SPT (150-200) =	CHAINSAW =
EXTRA SPT (0-50) =	MULCHING ATTCH =
EXTRA SPT (50-100) =	CLEARING =
EXTRA SPT (100-150) =	TTC / MOT
EXTRA SPT (150-200) =	ARROW BOARD =
GROUT (0-50) =	LIGHT TOWER =
GROUT (50-100) =	PCMS =
GROUT (100-150) =	CONES =
GROUT (150-200) =	SIGNS =
SHELBY (0-50) =	SUPPORT V. =
SHELBY (50-100) =	ATT. TRAILER =
SHELBY (100-150) =	SHADOW V. =
SHELBY (150-200) =	RUMBLE STRIPS =
CASING (0-50) =	LAW OFFICER =
CASING (50-100) =	MISC. DRILLING
CASING (100-150) =	SUPPORT VEHICLE =
CASING (150-200) =	TRUCK =
R. CORING (0-50) =	TRACK =
R. CORING (50-100) =	VANE SHEAR =
R. CORING (100-150) =	CPT DRILL
R. CORING (150-200) =	MOBILIZATION =
TRACK DRILL	CPT (0-50) =
MOBILIZATION =	CPT (50-100) =
SPT (0-50) =	CPT (100-150) =
SPT (50-100) =	CPT (150-200) =
SPT (100-150) =	LABORATORY
SPT (150-200) =	MOISTURE CONT. =
EXTRA SPT (0-50) =	GRAINSIZE =
EXTRA SPT (50-100) =	ATTERBERG =
EXTRA SPT (100-150) =	ORGANIC CONT. =
EXTRA SPT (150-200) =	CORROSION =
GROUT (0-50) =	CONSOLIDATION =
GROUT (50-100) =	SPECIFIC GRAVITY =
GROUT (100-150) =	UC - SOIL =
GROUT (150-200) =	UC - ROCK =
SHELBY (0-50) =	SPLIT TENSILE =
SHELBY (50-100) =	
SHELBY (100-150) =	
SHELBY (150-200) =	
CASING (0-50) =	
CASING (50-100) =	
CASING (100-150) =	
CASING (150-200) =	
R. CORING (0-50) =	
R. CORING (50-100) =	
R. CORING (100-150) =	
R. CORING (150-200) =	

SCOPE OF SERVICES BREAKDOWN (35.27 THROUGH 35.49)

TOTAL BORINGS =	
TOTAL SPT FOOTAGE =	
TOTAL BRIDGE BORINGS =	
TOTAL RETAINING WALL BORINGS =	
TOTAL SHEET PILE WALL BORINGS =	
TOTAL POLES (35.43) =	
TOTAL BOX CULVERTS =	
FLAGMEN (TTC / MOT) - SEE 35.49	
TOTAL AMOT OFFICER (HRS) =	
TOTAL FLAGMEN (ENG. TECH - HRS) =	

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

FPID:
PROJECT: **TASK A - ROADWAY - CR-121 FROM CR-119 to US-1**
TASK: **GEOTECHNICAL - STRUCTURAL**

LABOR CATEGORY (Hours) - STRUCTURES	Contract Coord.	MAT CADD Comp. Tech.	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineer	MAT Senior Engineer Tech.	MOT Qualified Worksite T.S.	MAT Eng. Tech.	Number of Units	Hours Per Unit	Estimated Total Staff Hours	FDOT Estimated Staff Hour Range	Estimated Task Difficulty (Scale 1 to 5) 1-Low / 5-High	Task Comments
35.27 Develop Detailed Boring Location Plan													Phase I Effort - 1-4 Hrs Phase II Effort - 2-32 Hrs		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.28 Stake Boring Locations in Field/Utility Clearance													Based on Project Location Site Specific		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.29 Coordination and Develop TTCP Plans For Field Investigation													2.0 to 8.0 hr (Per TTCP Mobilization)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.30 Drilling Access Permits													3.0 to 16.0 hr (Per Location)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.31 Property Clearances													0.25 hr (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.32 Collection of Corrosion Samples													0.25 to 1.0 hr (Per Sample)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.33 Coordination of Field Work													0.5 to 1.0 hr (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.34 Soil & Rock Classification - Structures													2.0 to 2.5 hrs (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.35 Tabulate all Laboratory & Field Data													0.5 to 1.0 hr (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.36 Estimate Design Groundwater Level for Structures													0.25 to 2.0 hrs (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.37 Selection of Foundation Alternatives (BDR)													4.0 to 5.0 hrs (Per Boring - 2 Min)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.38 Analysis of Foundation Alternate(s)													6.0 to 12.0 Hrs (Per Bridge Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.39 Bridge Construction and Testing Recommendations													8.0 to 20.0 Hrs Per Bridge		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.40 Lateral Load Analysis													4.0 to 6.0 Hrs (Per Bridge Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.41 Walls													1.5 to 4.0 hrs (Per Wall Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.42 Sheetpile Wall Analysis													1.0 to 6.0 hrs (Per Wall Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.43 Signs, Signals, High Mast Lights, Strain Poles													0.25 to 1.5 hrs (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.44 Box Culvert Analysis													4.0 to 8.0 hrs (Per Box Culvert)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.45 Preliminary Report - BDR													14.0 to 28.0 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.46 Final Report - Bridge and Associated Walls													28.0 - 80.0 Hrs (Per Bridge)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.47 Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights,Culverts													20 - 80 Hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.48 SPT Boring drafting													3.0 to 10.0 hrs (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.49 Other Geotechnical									480	1.0	480.0	480	*** TEMPORARY TRAFFIC CONTROL (TTC) ***	N/A	Temporary Traffic Control (TTC) Flagmen and On-Site AMOT Officer - See Breakdown
STRUCTURAL GEOTECHNICAL SUBTOTAL (LABOR - HOURS)									480			480			
	480														

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

FPID:
PROJECT: **TASK A - ROADWAY - CR-121 FROM CR-119 to US-1**
TASK: **MISCELLANEOUS - MEETINGS AND COORDINATION**

LABOR CATEGORY (Hours) - TOTALS	Contract Coord.	MAT CADD Comp. Tech.	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineer	MAT Senior Engineer Tech.	MOT Qualified Worksite T.S.	MAT Eng. Tech.	Number of Units	Hours Per Unit	Estimated Total Staff Hours	FDOT Estimated Staff Hour Range	Estimated Task Difficulty (Scale 1 to 5) 1-Low / 5-High	Task Comments
GEOTECHNICAL SUBTOTAL (LABOR - HOURS) (30.1 - 30.47)		91	4	72	176	34		2	520						
	899														
35.50 <i>Specification Development and Review (TSP)</i>													5.0 to 40.0 hrs (Per TSP)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.51 <i>Field Reviews</i>						8				1.0	8.0	8	4.0 to 40.0 hrs (Per Project)	1	BASED ON 1 FIELD REVIEW
35.52 <i>Technical Meetings</i>													2.0 to 8.0 hrs (Per Meeting)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.53 <i>Quality Assurance/Quality Control (5%)</i>			27							899.0	3%	27	3% to 8% (Total Manhours)	1	LOW DIFFICULTY
35.54 <i>Supervision (5%)</i>						18				899.0	2%	18	2% to 8% (Total Manhours)	1	LOW DIFFICULTY
GEOTECHNICAL NONTECHNICAL SUBTOTAL (LABOR - HOURS)			27			26						53			
		53													
30.55 <i>Coordination (5%)</i>	19									952.0	2%	19	2% to 5% (Total Manhours)	1	LOW DIFFICULTY
MAN-HOUR CATEGORY GEOTECHNICAL TOTAL	19	91	31	72	176	60		2	520						
30. GEOTECHNICAL TOTAL	971														

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

SOIL BORING / TESTING FREQUENCY ESTIMATES - BASED ON THE 2020 SOILS AND FOUNDATIONS HANDBOOK

ROADWAY SOIL SURVEY / MULTI-USE TRAIL SOIL SURVEY
MINOR WIDENING: 1 BORING PER 100 LF, STAGGERED LEFT AND RIGHT OF CL INTERSTATE: 3 BORINGS PER 100 LF, LEFT, RIGHT, AND MEDIAN RECONSTRUCTION: 2 BORINGS PER 100 LF, LEFT AND RIGHT OF CL EMBANKMENT: 3 BORINGS PER INTERVAL, 1 AT TOP OF SLOPE, 1 AT BOTTOM OF SLOPE, ONE AT OUTER REACHES RESILIENT MODULUS: 3 SAMPLES PER MILE PER STRATUM CORROSION SERIES: 4 CORROSION TESTS PER STRATUM PER MILE RIGID PAVEMENT: MINIMUM OF 3 LABORATORY PERMEABILITY TESTS BURIED STORM SYSTEMS: MINIMUM OF 1-20 FT SPT PER 500 LF AREAS OF CUT: BORING DEPTH A MINIMUM OF 5 FT BELOW PROPOSED GRADE AREAS OF FILL: BORING DEPTH 2x THE PROPOSED EMBANKMENT HEIGHT
BRIDGE INVESTIGATIONS
DRIVEN PILES: 1 BORING PER BENT LOCATION REDUNDANT DRILLED SHAFTS: 1 BORING WITHIN 20 FEET OF EACH SHAFT NON-REDUNDANT DRILLED SHAFTS: 1 BORING PER SHAFT PHASE I INVESTIGATION: 1 BORING PER 500 LF OF BRIDGE CORROSOIN SERIES: 4 OF SOIL / 4 OF WATER APPROACH EMBANKMENT: 1 BORING PER 100 LF 2x EMBANKMENT HEIGHT
RETAINING WALLS / SHEET PILE WALLS
BORING SPACING: 1 BORING PER 150 FT OF WALL BORING DEPTH: 2x THE HEIGHT OF THE WALL
NOISE WALLS
BORING SPACING: 1 BORING PER 500 FT OF WALL BORING DEPTH: 2x THE HEIGHT OF THE WALL
BUILDINGS
BORING SPACING: 1 BORING AT EACH CORNER AND 1 IN CENTER (5 BORINGS) BORING DEPTH: VARIES, BASED ON SIZE OF BUILDING
CONCRETE BOX CULVERTS (CBC's)
BORING SPACING (NEW CBC): 2 BORINGS BORING SPACING (CBC EXTENSION): 1 BORING IN FOOTPRINT OF EXTENSION BORING DEPTH: 15 FEET BELOW BOTTOM OF CULVERT CORROSOIN SERIES: 4 OF SOIL / 4 OF WATER
HIGH MAST LIGHTING / OVERHEAD SIGN STRUCTURES
BORING SPACING: 1 BORING PER FOUNDATION BORING DEPTH: 40 FEET CORROSOIN SERIES: 1 PER FOUNDATION
MAST ARMS / STRAIN POLES
BORING SPACING: 1 BORING PER FOUNDATION BORING DEPTH: 25 FEET INTO COMPETENT SOIL (30 FT ESTIMATED) CORROSOIN SERIES: 1 PER FOUNDATION

CCTV POLES
BORING SPACING: 1 BORING PER FOUNDATION BORING DEPTH: 20 FEET INTO COMPETENT SOIL (25 FT ESTIMATED) CORROSOIN SERIES: 1 PER FOUNDATION
HIGH TENSION CABLE BARRIERS
BORING SPACING: 1 IN FOOTPRINT OF EACH ANCHORAGE LOCATION (2 PER BARRIER) BORING DEPTH: 35 FEET INTO COMPENTENT SOIL (40 FT ESTIMATED) CABLE BARRIER ALIGNMENT BORINGS: 1 BORING PER 500 FEET TO VERIFY SOILS CORROSOIN SERIES: 1 PER ANCHORAGE FOUNDATION
STORMWATER MANAGEMENT FACILITY - PHASE I INVESTIGATION
BORING SPACING: 1 BORING PER POND FOOTPRINT BORING DEPTH: 30 FEET (CONTINUOUS SAMPLING) PERMEABILITY TESTING (CASED HOLE PIEZOMETERS): 1 PER FOOTPRINT
STORMWATER MANAGEMENT FACILITY - PHASE II INVESTIGATION
BORING SPACING: 2 BORINGS PER ACRE (40,000 SF) BORING DEPTH: 30 FEET (CONTINUOUS SAMPLING) PERMEABILITY TESTING (CASED HOLE PIEZOMETERS): 1 PER FOOTPRINT PER ACRE
STORMWATER SWALE INVESTIGATION / EXFILTRATION TRENCH / FRENCH DRAINS
BORING SPACING: 1 BORING PER 1,000 FT BORING DEPTH: 20 FEET (CONTINUOUS SAMPLING) PERMEABILITY TESTING (CASED HOLE PIEZOMETERS): 1 PER 1,000 FEET OF TRENCH/SWALE
SMALL DRAINAGE STRUCTURES
BORING SPACING: 1 BORING PER STRUCTURE BORING DEPTH: 5 FEET BELOW BOTTOM OF STRUCTURE CORROSION SERIES: 1 PER STRUCTURE
PAVEMENT CORE AND CONDITION SURVEY
CORE SPACING: MINIMUM OF 1 PAVEMENT CORE PER LANE PER MILE
CROSS DRAIN REPLACEMENT >36-INCHES
BORING SPACING (REPLACEMENT): 1 BORING EACH END OF PIPE (2 BORINGS) BORING DEPTH: 15 FT SPT CORROSION SERIES: 1 PER STRUCTURE
CROSS DRAIN EXTENSIONS >36-INCHES
BORING SPACING (EXTENSION): 1 BORING AT END OF EXTENSION (1 BORING) BORING DEPTH: 15 FT SPT CORROSION SERIES: 1 PER STRUCTURE

TOTAL PROJECT ESTIMATE

TASK B - DRAINAGE STRUCTURES - CR-121 FROM CR-119 to US-1

CONTRACT No.: TBD
LOCATION: NASSAU

DATE: 12/10/2024

ALL EGS RATES INCLUDE 3% ESCALATION PER YEAR OF APPROVED CONTRACT

Description	Units	Number of Units	Unit Price	Cost For This Period
LABOR SUMMARY				
Contract Coordinator	Hour	5	\$102.81	\$514.05
MAT Chief Engineer	Hour	10	\$193.11	\$1,931.10
MAT Engineer	Hour	60	\$130.04	\$7,802.40
MAT Engineering Intern	Hour	63	\$85.36	\$5,377.68
MAT Senior Engineer	Hour	43	\$208.89	\$8,982.27
MAT Senior Engineering Technician	Hour	52	\$115.44	\$6,002.88
MOT Qualified Worksite Traffic Supervisor (TS)	Hour	4	\$88.20	\$352.80
TOTAL LABOR		237		\$30,963.18
FIELD UNIT SUMMARY				
418-Geo Drill Crew Support Vehicle	Day	18	\$309.00	\$5,562.00
422-Geo Extra SPT Samples-Barge/Track/Amphibious 0-50 Ft	Each	114	\$79.31	\$9,041.34
435-Geo Grout Boreholes- Barge/Track/Amphibious 0-50 Ft	LF	1010	\$11.33	\$11,443.30
473-Geo SPT Barge/Track/Amphibious 0-50 Ft	LF	1010	\$29.87	\$30,168.70
515-Geo Undisturbed Samples Barge/Track/Amphibious 0-50 Ft	Each	14	\$257.50	\$3,605.00
533-Geo Track/Barge Drill Rig and Crew (2-person)	Hour	22	\$321.36	\$7,069.92
536-Geo Clearing Equip - Skid Steer / ASV, Forest Mulching Attach	Day	5	\$2,832.50	\$14,162.50
610-Mobilization Drill Rig Track Mount	Each	2	\$2,575.00	\$5,150.00
620-Mobilization of Clearing Equipment	Each	1	\$721.00	\$721.00
706-MOT Portable Sign	Each	126	\$51.50	\$6,489.00
708-MOT Provide Channelizing Devices – Cone (Each Cone)	Each	360	\$10.30	\$3,708.00
TOTAL FIELD				\$97,120.76
LABORATORY UNIT SUMMARY				
803-Soils Consolidation - Constant Strain ASTM D4186	Test	9	\$698.34	\$6,285.06
805-Soils Corrosion Series FM 5-550 through 5-553	Test	21	\$283.25	\$5,948.25
811-Soils Liquid Limit AASHTO T89	Test	101	\$58.71	\$5,929.71
818-Soils Moisture Content Microwave AASHTO D4643	Test	88	\$22.66	\$1,994.08
819-Soils Organic Content Ignition FM 1 T-267	Test	101	\$44.29	\$4,473.29
822-Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Test	202	\$96.82	\$19,557.64
826-Soils Plastic Limit & Plasticity Index AASHTO T90	Test	101	\$58.71	\$5,929.71
839-Soils Unconfined Compress - Soil AASHTO T208/ASTM D2166	Test	9	\$193.64	\$1,742.76
TOTAL LABORATORY				\$51,860.50

LABOR TOTAL:	\$30,963.18
FIELD TOTAL:	\$97,120.76
LAB TOTAL:	\$51,860.50

TOTAL PROJECT ESTIMATE: \$179,944.44

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

PHASE II BASIC SERVICES- RECONSTRUCTION AND RESURFACING

PROJECT: TASK B - DRAINAGE STRUCTURES - CR-121 FROM CR-119 to US-1

LOCATION: NASSAU

CONTRACT No.: TBD

DATE: 12/10/2024

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ROADWAY SPECIFICS - BASED ON 2A (8.356), 2B (5.826), 2C (5.816), 2D (7.442)		
Roadway Length =	27,440	mi
	144,883	ft
Width =		lanes

TASK: GEOTECHNICAL - ROADWAY AND SWMF

ROADWAY SOIL SURVEY		STORMWATER MANAGEMENT FACILITIES (SWMF's)		GEOPHYSICAL	
NUMBER OF BORINGS =	borings	NUMBER OF BORINGS =	borings	NUMBER OF BORINGS =	borings
Mobilization (Truck Drill) =	ea	Mobilization (Track Drill) =	ea	Mobilization (Track Drill) =	ea
Hand Augers w/ SCP =	=	SPT Borings (SWMF @ 30 Ft) =	ft (SPT)	SPT Borings =	ft (SPT)
SPT Borings (Organic Investigation) =	=	SPT Borings (Swale @ 20 Ft) =	ft (SPT)	Extra Split Spoon =	ea
SPT Borings (Embankment) =	=	Extra Split Spoon (Continuous) =	ea	Grout Borings =	ft
Extra Split Spoon =	ea	Grout Borings =	ft	Casing =	ft
Grout Borings =	ea	Geo Field Permeability 0-10 Ft =	ea	Mobilization (GPR / ERI) =	ea
Casing =	ft	Casing =	ft	GPR / ERI Equipment Only =	hrs
LABORATORY TESTING:		Geo Piezometer =	ft	LABORATORY TESTING:	
1 Grainsize per 5 Ft of Soil Boring =	tests			Grainsize Tests =	tests
1 Atterberg per 40 Ft of Soil Boring =	tests	LABORATORY TESTING:		Atterberg =	tests
1 Organic Content per 10 Ft of Soil Boring =	tests	1 Grainsize per 5 Ft of Soil Boring =	ea	Organic Content Test =	tests
LBR Samples =	per sample	1 Atterberg per 10 Ft of Soil Boring =	ea		
Corrosion Series =	tests	1 Organic Content per 10 Ft of Soil Boring =	ea		
Laboratory Permeability Test (Rigid Pavement) =	tests				
PAVEMENT CORE AND CONDITION SURVEY		CROSS DRAINS >36-INCHES		MISCELLANEOUS	
Mobilization (Pavement Core Drill) =	ea	NUMBER OF BORINGS =	30 borings	Drill Rig - Days on Site =	6 day
4 Inch Asphalt Cores =	ea	Mobilization (Track Drill) =	1 ea	Mob. Between Borings (Truck) =	hrs
4 Inch Concrete Cores =	ea	SPT Borings (15 Ft) =	30 = 450 ft (SPT)	Mob. Between Borings (Track) =	15 hrs
		Extra Split Spoon =	30 ea	Field Vane Shear Test =	tests
CLEARING		Grout Borings =	450 ft		
Mobilization of Clearing Equipment	ea	LABORATORY TESTING:			
Geo Chainsaw	day	1 Grainsize per 5 Ft of Soil Boring =	90 ea		
Geo Clearing Equip - Skid Steer / ASV, Forest Mulching Attachment	day	1 Atterberg per 10 Ft of Soil Boring =	45 ea		
Geo Clearing Equipment	day	1 Organic Content per 10 Ft of Soil Boring =	45 ea		
TEMPORARY TRAFFIC CONTROL (TTC / MOT)		SMALL DRAINAGE STRUCTURES			
Arrow Board	ea	NUMBER OF BORINGS =	borings		
Light Tower =	ea	Mobilization (Track Drill) =	ea		
Portable Changeable Message Sign (PCMS) =	ea	SPT Borings (10 Ft) =	=		
Cones =	120 ea	Extra Split Spons =	ea		
Portable Sign =	42 ea	Grout Borings =	ft		
MOT Support Vehicle =	hr	LABORATORY TESTING:			
MOT - Attenuator Truck (Crash Trailer) =	hr	1 Grainsize per 5 Ft of Soil Boring =	ea		
Shadow Vehicle w/ Advanced Warning Arrow & Attenuator =	hr	1 Plastic Limit and Liquid Limit per 10 Ft of Soil Bori	ea		
Rumble Strips (SP 102-603) - Per Set =	ea	1 Organic Content per 10 Ft of Soil Boring =	ea		
Off-Duty Law Officer =	hr				

TRUCK DRILL	PAVEMENT
MOBILIZATION =	MOBILIZATION =
SPT (0-50) =	CORE (ASPHALT) =
SPT (50-100) =	CORE (CONCRETE) =
EXTRA SPT (0-50) =	CLEARING
EXTRA SPT (50-100) =	MOBILIZATION =
GROUT (0-50) =	CHAINSAW =
GROUT (50-100) =	MULCHING ATTCH =
SHELBY (0-50) =	CLEARING =
SHELBY (50-100) =	PERMEABILITY
CASING (0-50) =	PIEZOMETER =
CASING (50-100) =	CASED HOLE =
TRACK DRILL	DRI =
MOBILIZATION = 1	GEOPHYSICAL
SPT (0-50) = 450	GPR / ERI =
SPT (50-100) =	TTC / MOT
EXTRA SPT (0-50) = 30	ARROW BOARD =
EXTRA SPT (50-100) =	LIGHT TOWER =
GROUT (0-50) = 450	PCMS =
GROUT (50-100) =	CONES = 120
SHELBY (0-50) =	SIGNS = 42
SHELBY (50-100) =	SUPPORT V. =
CASING (0-50) =	ATT. TRAILER =
CASING (50-100) =	SHADOW V. =
CPT DRILL	RUMBLE STRIPS =
MOBILIZATION =	LAW OFFICER =
CPT (0-50) =	LABORATORY
CPT (50-100) =	MOISTURE CONT. = 60
HAND AUGERS	GRAINSIZE = 90
HAND AUGERS =	ATTERBERG = 45
MISC. DRILLING	ORGANIC CONT. = 45
SUPPORT VEHICLE = 6	CORROSION = 14
TRUCK =	LBR =
TRACK = 15	CONSOLIDATION =
VANE SHEAR =	UC (SOIL) =

SCOPE OF SERVICES BREAKDOWN (35.1 THROUGH 35.26)		
PHASE II STRUCTURES - MINOR DRAINAGE STRUCTURES (24-48" PIPE) EXTENSTIONS		TEMPORARY TRAFFIC CONTROL (TTC) / MAINTENANCE OF TRAFFIC (MOT)
PHASE II MINOR DRAINAGE STRUCTURES: BASED ON 15 MINOR CROSSINGS, BASED ON 2-15 FT SPT SOIL BORINGS AT EACH CROSSING (30 BORINGS / 450 FT SPT / 6 DAYS)		TEMPORARY TRAFFIC CONTROL: BASED ON 6 DAYS OF SHOULDER TTC (SP 102-602) SIGNS: 7 SIGNS x 6 DAYS = 42 CONES: 20 CONES x 6 DAYS = 120

FPID: _____

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LABOR CATEGORY (Hours) - ROADWAY		Contract Coord.	MAT CADD Comp. Tech.	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineer	MAT Senior Engineer Tech.	MOT Qualified Worksite T.S.	MAT Eng. Tech.	Number of Units	Hours Per Unit	Estimated Total Staff Hours	FDOT Estimated Staff Hour Range	Estimated Task Difficulty (Scale 1 to 5) 1-Low / 5-High	Task Comments
35.1	Document Collection and Review													4.0 - 40.0 hrs (Per Project)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.2	Develop Detailed Boring Location Plan/ Asphalt Locations													Phase I Effort - 1-4 Hrs Phase II Effort - 2-32 Hrs		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.3	Stake Boring Locations in Field/Utility Clearance													Based on Project Location Site Specific		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.4	Muck Probing													2 Person Crew 400 Ft Per Day (16 Hrs Per Day)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.5	Coordination and Develop TTCP Plans For Field Investigation													2.0 to 8.0 hr (Per TTCP Mobilization)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.6	Drilling Access Permits													3.0 to 16.0 hr (Per Location)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.7	Property Clearances													0.25 hr (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.8	Groundwater Monitoring													3.0 to 8.0 hr (Per Trip)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.9	LBR/Resilient Modulus Sampling													4-8 hr Delivery to SMO - 4.0 hr (RM Only)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.10	Coordination of Field Work													0.5 to 1.0 hr (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.11	Soil & Rock Classification - Roadway													2.0 to 2.5 hr (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.12	Design LBR													1.0 to 16.0 hr (Per Project)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.13	Laboratory Data													0.5 to 1.0 hr (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.14	Seasonal High Water Table													0.1 to 1.0 hr (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.15	Calculate Parameters for Water Retention Areas													1.0 to 4.0 hr (Per SWMF)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.16	Delineate limits of Unsuitable Material													1.0 to 4.0 hr (Per Plan View Page)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.17	Electronic Files For Cross Sections													1.0 to 2.0 hr (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.18	Embankment Settlement and Stability													1.0 to 4.0 hr (Per Emb. Boring) (Min 4.0 hr)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.19	Monitor Existing Structures													1.0 to 4.0 hr (Per Project)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.20	Stormwater Volume Recovery													4.0 to 8.0 hr (Per SWMF)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.21	Geotechnical Recommendations													4.0 to 40.0 hr (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.22	Pavement Condition Survey and Pavement Evaluation Report													1.0 to 2.0 hrs (Per Lane Mile) AND 4.0 to 20.0 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.23	Preliminary Roadway Report													7.0 to 20.0 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.24	Final Report													16 to 80 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.25	Auger Boring Drafting													2.0 to 6.0 hrs (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.26	SPT Boring Drafting													3.0 to 8.0 hrs (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
ROADWAY GEOTECHNICAL SUBTOTAL (LABOR - HOURS)																

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Total Footage

TRUCK DRILL	PAVEMENT
MOBILIZATION =	MOBILIZATION =
SPT (0-50) =	CORE (CONCRETE) =
SPT (50-100) =	CLEARING
SPT (100-150) =	MOBILIZATION = 1
SPT (150-200) =	CHAINSAW =
EXTRA SPT (0-50) =	MULCHING ATTCH = 5
EXTRA SPT (50-100) =	CLEARING =
EXTRA SPT (100-150) =	TTC / MOT
EXTRA SPT (150-200) =	ARROW BOARD =
GROUT (0-50) =	LIGHT TOWER =
GROUT (50-100) =	PCMS =
GROUT (100-150) =	CONES = 240
GROUT (150-200) =	SIGNS = 84
SHELBY (0-50) =	SUPPORT V. =
SHELBY (50-100) =	ATT. TRAILER =
SHELBY (100-150) =	SHADOW V. =
SHELBY (150-200) =	RUMBLE STRIPS =
CASING (0-50) =	LAW OFFICER =
CASING (50-100) =	MISC. DRILLING
CASING (100-150) =	SUPPORT VEHICLE = 12
CASING (150-200) =	TRUCK =
R. CORING (0-50) =	TRACK = 7
R. CORING (50-100) =	VANE SHEAR =
R. CORING (100-150) =	CPT DRILL
R. CORING (150-200) =	MOBILIZATION =
TRACK DRILL	CPT (0-50) =
MOBILIZATION = 1	CPT (50-100) =
SPT (0-50) = 560	CPT (100-150) =
SPT (50-100) =	CPT (150-200) =
SPT (100-150) =	LABORATORY
SPT (150-200) =	MOISTURE CONT. = 28
EXTRA SPT (0-50) = 84	GRAINSIZE = 112
EXTRA SPT (50-100) =	ATTERBERG = 56
EXTRA SPT (100-150) =	ORGANIC CONT. = 56
EXTRA SPT (150-200) =	CORROSION = 7
GROUT (0-50) = 560	CONSOLIDATION = 9
GROUT (50-100) =	SPECIFIC GRAVITY =
GROUT (100-150) =	UC - SOIL = 9
GROUT (150-200) =	UC - ROCK =
SHELBY (0-50) = 14	SPLIT TENSILE =
SHELBY (50-100) =	
SHELBY (100-150) =	
SHELBY (150-200) =	
CASING (0-50) =	
CASING (50-100) =	
CASING (100-150) =	
CASING (150-200) =	
R. CORING (0-50) =	
R. CORING (50-100) =	
R. CORING (100-150) =	
R. CORING (150-200) =	

BRIDGE INVESTIGATION		MAST ARM / STRAIN POLE INVESTIGATION		RETAINING WALL / SHEET PILE WALL INVESTIGATION	
NUMBER OF BRIDGES	bridges	NUMBER OF BORINGS	borings	NUMBER OF BORINGS =	borings
NUMBER OF BORINGS	borings	Mobilization (Truck Drill) =	ea	Mobilization (ATV Drill) =	ea
Mobilization (Truck Drill) =	ea	SPT 0 - 50 ft =	ft (SPT)	SPT 0 - 50 ft =	ft (SPT)
SPT 0 - 50 ft =	ft (SPT)	Extra Split Spoon =	ea	Extra Split Spoon =	ea
50 - 100 ft =	ft (SPT)	Grout Borings =	ea	Grout Borings =	ft
100 - 150 ft =	ft (SPT)	Casing =	ft	Casing =	ft
0 - 50 ft =	ft (Core)	LABORATORY TESTING:		LABORATORY TESTING	
50 - 100 ft =	ft (Core)	1 Grainsize per 5 Ft of Soil Boring =	tests	1 Grainsize per 5 ft of Soil Boring =	tests
100 - 150 ft =	ft (Core)	1 Atterberg per 10 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Boring =	tests
Extra SPT 0 - 50 ft =	ea	1 Organic Content per 10 Ft of Soil Boring =	tests	1 Organic per 10 ft of Soil Boring =	tests
50 - 100 ft =	ea	HIGH MAST LIGHTING / OVERHEAD SIGN STRUCTURE		NOISE WALL INVESTIGATION	
100 - 150 ft =	ea	NUMBER OF BORINGS	borings	NUMBER OF BORINGS =	borings
0 - 50 ft =	ft	Mobilization (ATV Drill) =	ea	Mobilization (ATV Drill) =	ea
50 - 100 ft =	ft	SPT 0 - 50 ft =	ft (SPT)	SPT 0 - 50 ft =	ft (SPT)
100 - 150 ft =	ft	Extra Split Spoon =	ea	Extra Split Spoon =	ea
4 in Casing 0 - 50 ft =	ft	Grout Borings =	ea	Grout Borings =	ft
50 - 100 ft =	ft	Casing =	ft	Casing =	ft
100 - 150 ft =	ft	LABORATORY TESTING:		LABORATORY TESTING	
Shelby Tube 0 - 50 ft =	ea	1 Grainsize per 5 Ft of Soil Boring =	tests	1 Grainsize per 5 ft of Soil Boring =	tests
50 - 100 ft =	ea	1 Atterberg per 10 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Boring =	tests
100 - 150 ft =	ea	1 Organic Content per 10 Ft of Soil Boring =	tests	1 Organic per 10 ft of Soil Boring =	tests
Coring Bridge Deck	ea	TRADITIONAL LIGHTING INVESTIGATION		BUILDING INVESTIGATION	
LABORATORY TESTING:		NUMBER OF BORINGS	borings	NUMBER OF BORINGS =	borings
1 Grainsize per 5 Ft of Soil Boring =	tests	Mobilization (Truck Drill) =	ea	Mobilization (ATV Drill) =	ea
1 Atterberg per 10 Ft of Soil Boring =	tests	SPT 0 - 50 ft =	ft (SPT)	SPT 0 - 50 ft =	ft (SPT)
1 Organic Content per 10 Ft of Soil Boring =	tests	Extra Split Spoon =	ea	Extra Split Spoon =	ea
2 Corrosion Tests Per Bridge (1 Soil / 1 Water) =	tests	Grout Borings =	ea	Grout Borings =	ft
UC - Soil =	ea	Casing =	ft	Casing =	ft
UC - Rock =	ea	LABORATORY TESTING:		LABORATORY TESTING	
Split Tensile - Rock =	ea	1 Grainsize per 5 Ft of Soil Boring =	tests	1 Grainsize per 5 ft of Soil Boring =	tests
BRIDGE APPROACH INVESTIGATION		1 Atterberg per 10 Ft of Soil Boring =	tests	1 Atterberg per 10 ft of Soil Boring =	tests
NUMBER OF BORINGS	borings	1 Organic Content per 10 Ft of Soil Boring =	tests	1 Organic per 10 ft of Soil Boring =	tests
Mobilization (Truck Drill) =	ea	HIGH TENSION CABLE BARRIER INVESTIGATION		CONCRETE BOX CULVERT INVESTIGATION	
SPT 0 - 50 ft =	ft (SPT)	NUMBER OF BORINGS	borings	NUMBER OF CULVERTS =	7 culverts
Extra Split Spoon =	ea	Mobilization (Truck Drill) =	ea	NUMBER OF BORINGS =	14 borings
Grout Borings =	ea	SPT 0 - 50 ft =	ft (SPT)	Mobilization (ATV Drill) =	1 ea
Shelby Tube =	ea	Extra Split Spoon =	ea	SPT 0 - 50 ft =	560 ft (SPT)
LABORATORY TESTING:		Grout Borings =	ea	Extra Split Spoon =	84 ea
1 Grainsize per 5 Ft of Soil Boring =	tests	Casing =	ft	Grout Borings =	560 ft
1 Atterberg per 10 Ft of Soil Boring =	tests	LABORATORY TESTING:		Shelby =	14 ea
1 Organic Content per 10 Ft of Soil Boring =	tests	1 Grainsize per 5 Ft of Soil Boring =	tests	Casing =	9 tests
Consolidation Tests =	tests	1 Atterberg per 10 Ft of Soil Boring =	tests	LABORATORY TESTING	
UC Soil Tests =	tests	1 Organic Content per 10 Ft of Soil Boring =	tests	1 Grainsize per 5 ft of Soil Boring =	112 tests
CLEARING		CCTV POLE INVESTIGATION		1 Atterberg per 10 ft of Soil Boring =	56 tests
Mobilization of Clearing Equipment	1 ea	NUMBER OF BORINGS	borings	1 Organic per 10 ft of Soil Boring =	56 tests
Geo Chainsaw	day	Mobilization (ATV Drill) =	ea	Consolidation =	9 tests
Geo Clearing Equip - Skid Steer / ASV, Forest Mulching Attachment	5 day	SPT 0 - 50 ft =	ft (SPT)	UC Soil =	9 tests
Geo Clearing Equipment	day	Extra Split Spoon =	ea	SUMMARY (35.27 THROUGH 35.49)	
TEMPORARY TRAFFIC CONTROL (TTC / MOT)		Grout Borings =	ea	TOTAL BORINGS = 14	
Arrow Board	ea	Casing =	ft	TOTAL SPT FOOTAGE = 560	
Light Tower =	ea	LABORATORY TESTING:		TOTAL BDR BORINGS =	
Portable Changeable Message Sign (PCMS) =	ea	1 Grainsize per 5 Ft of Soil Boring =	tests	TOTAL BRIDGE BORINGS =	
Cones =	240 ea	1 Atterberg per 10 Ft of Soil Boring =	tests	TOTAL RETAINING WALL BORINGS =	
Portable Sign =	84 ea	1 Organic Content per 10 Ft of Soil Boring =	tests	TOTAL SHEET PILE WALL BORINGS =	
MOT Support Vehicle =	hr	MISCELLANEOUS		TOTAL POLES (35.43) =	
MOT - Attenuator Truck (Crash Trailer) =	hr	Drill Rig - Days on Site =	12 day	TOTAL BOX CULVERTS = 7	
Shadow Vehicle w/ Advanced Warning Arrow & Attenuator =	hr	Mob. Between Borings (Truck) =	hrs	FLAGMEN (TTC / MOT) - SEE 35.49	
Rumble Strips (SP 102-603) - Per Set =	ea	Mob. Between Borings (Track) =	7 hrs	TOTAL AMOT OFFICER (HRS) =	
Off-Duty Law Officer =	hr	Field Vane Shear Test =	tests	TOTAL FLAGMEN (ENG. TECH - HRS) =	

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

FPID:
PROJECT: **TASK B - DRAINAGE STRUCTURES - CR-121 FROM CR-119 to US-1**
TASK: **GEOTECHNICAL - STRUCTURAL**

LABOR CATEGORY (Hours) - STRUCTURES	Contract Coord.	MAT CADD Comp. Tech.	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineer	MAT Senior Engineer Tech.	MOT Qualified Worksite T.S.	MAT Eng. Tech.	Number of Units	Hours Per Unit	Estimated Total Staff Hours	FDOT Estimated Staff Hour Range	Estimated Task Difficulty (Scale 1 to 5) 1-Low / 5-High	Task Comments
35.27 Develop Detailed Boring Location Plan					3	1				1.0	4.0	4	Phase I Effort - 1-4 Hrs Phase II Effort - 2-32 Hrs	1	LOW DIFFICULTY - BASED ON MINIMUM TIME NEEDED FOR TASK
35.28 Stake Boring Locations in Field/Utility Clearance							8			1.0	8.0	8	Based on Project Location Site Specific	3	MODERATE DIFFICULTY - BASED ON TIME TO MARK BORINGS AND COORDINATE UTILITY LOCATES
35.29 Coordination and Develop TTCP Plans For Field Investigation								4		2.0	2.0	4	2.0 to 8.0 hr (Per TTCP Mobilization)	1	LOW DIFFICULTY - BASED ON MINIMUM TIME NEEDED FOR TASK
35.30 Drilling Access Permits													3.0 to 16.0 hr (Per Location)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.31 Property Clearances													0.25 hr (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.32 Collection of Corrosion Samples							5			21.0	0.25	5	0.25 to 1.0 hr (Per Sample)	3	MODERATE DIFFICULTY - BASED ON 21 CORROSION SAMPLES (1 AT EACH STRUCTURE)
35.33 Coordination of Field Work							8			10.10	0.75	8	0.5 to 1.0 hr (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON 44 BORINGS (1,010 FT SPT) - 7 CBC EXTENSIONS AND 14 DRAINAGE STRUCTURE EXTENSIONS
35.34 Soil & Rock Classification - Structures							23			10.10	2.25	23	2.0 to 2.5 hrs (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON 44 BORINGS (1,010 FT SPT) - 7 CBC EXTENSIONS AND 14 DRAINAGE STRUCTURE EXTENSIONS
35.35 Tabulate all Laboratory & Field Data							8			10.10	0.75	8	0.5 to 1.0 hr (Per 100 lf of Boring)	3	MODERATE DIFFICULTY - BASED ON 44 BORINGS (1,010 FT SPT) - 7 CBC EXTENSIONS AND 14 DRAINAGE STRUCTURE EXTENSIONS
35.36 Estimate Design Groundwater Level for Structures				4	5	2				44.0	0.25	11	0.25 to 2.0 hrs (Per Boring)	1	LOW DIFFICULTY - BASED ON MINIMUM TIME NEEDED FOR TASK
35.37 Selection of Foundation Alternatives (BDR)													4.0 to 5.0 hrs (Per Boring - 2 Min)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.38 Analysis of Foundation Alternate(s)													6.0 to 12.0 Hrs (Per Bridge Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.39 Bridge Construction and Testing Recommendations													8.0 to 20.0 Hrs Per Bridge		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.40 Lateral Load Analysis													4.0 to 6.0 Hrs (Per Bridge Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.41 Cross Drains				8	9	4				14.0	1.5	21	1.5 to 4.0 hrs (Per Wall Boring)	3	MODERATE DIFFICULTY - BASED ON 14 CROSS DRAIN EXTENSIONS
35.42 Sheetpile Wall Analysis													1.0 to 6.0 hrs (Per Wall Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.43 Signs, Signals, High Mast Lights, Strain Poles													0.25 to 1.5 hrs (Per Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.44 Box Culvert Analysis				16	18	8				7.0	6.0	42	4.0 to 8.0 hrs (Per Box Culvert)	3	MODERATE DIFFICULTY - BASED ON 7 CBC EXTENSIONS
35.45 Preliminary Report - BDR													14.0 to 28.0 hrs (Per Report)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.46 Final Report - Bridge and Associated Walls													28.0 - 80.0 Hrs (Per Bridge)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.47 Final Reports - Signs, Signals, Box Culvert, Walls and High Mast Lights,Culverts			4	32	28	16				1.0	80.0	80	20 - 80 Hrs (Per Report)	5	HIGH DIFFICULTY - BASED ON 44 BORINGS (1,010 FT SPT) - 7 CBC EXTENSIONS AND 14 DRAINAGE STRUCTURE EXTENSIONS
35.48 SPT Boring drafting													3.0 to 10.0 hrs (Per 100 lf of Boring)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.49 Other Geotechnical													*** TEMPORARY TRAFFIC CONTROL (TTC) ***		*** COSTS NOT INCLUDED FOR THIS TASK ***
STRUCTURAL GEOTECHNICAL SUBTOTAL (LABOR - HOURS)			4	60	63	31	52	4				214			
	214														

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

FPID:
PROJECT: **TASK B - DRAINAGE STRUCTURES - CR-121 FROM CR-119 to US-1**
TASK: **MISCELLANEOUS - MEETINGS AND COORDINATION**

LABOR CATEGORY (Hours) - TOTALS	Contract Coord.	MAT CADD Comp. Tech.	MAT Chief Engineer	MAT Engineer	MAT Engineer Intern	MAT Senior Engineer	MAT Senior Engineer Tech.	MOT Qualified Worksite T.S.	MAT Eng. Tech.	Number of Units	Hours Per Unit	Estimated Total Staff Hours	FDOT Estimated Staff Hour Range	Estimated Task Difficulty (Scale 1 to 5) 1-Low / 5-High	Task Comments
GEOTECHNICAL SUBTOTAL (LABOR - HOURS) (30.1 - 30.47)			4	60	63	31	52	4							
	214														
35.50 <i>Specification Development and Review (TSP)</i>													5.0 to 40.0 hrs (Per TSP)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.51 <i>Field Reviews</i>						8				1.0	8.0	8	4.0 to 40.0 hrs (Per Project)	1	BASED ON 1 FIELD REVIEW
35.52 <i>Technical Meetings</i>													2.0 to 8.0 hrs (Per Meeting)		*** COSTS NOT INCLUDED FOR THIS TASK ***
35.53 <i>Quality Assurance/Quality Control (5%)</i>			6							214.0	3%	6	3% to 8% (Total Manhours)	1	LOW DIFFICULTY
35.54 <i>Supervision (5%)</i>						4				214.0	2%	4	2% to 8% (Total Manhours)	1	LOW DIFFICULTY
GEOTECHNICAL NONTECHNICAL SUBTOTAL (LABOR - HOURS)			6			12						18			
	18														
30.55 <i>Coordination (5%)</i>	5									232.0	2%	5	2% to 5% (Total Manhours)	1	LOW DIFFICULTY
MAN-HOUR CATEGORY GEOTECHNICAL TOTAL	5		10	60	63	43	52	4							
30. GEOTECHNICAL TOTAL	237														

ENVIRONMENTAL AND GEOTECHNICAL SPECIALISTS, INC.
PROJECT WORK EFFORT FOR GEOTECHNICAL INVESTIGATION

SOIL BORING / TESTING FREQUENCY ESTIMATES - BASED ON THE 2020 SOILS AND FOUNDATIONS HANDBOOK

ROADWAY SOIL SURVEY / MULTI-USE TRAIL SOIL SURVEY
MINOR WIDENING: 1 BORING PER 100 LF, STAGGERED LEFT AND RIGHT OF CL INTERSTATE: 3 BORINGS PER 100 LF, LEFT, RIGHT, AND MEDIAN RECONSTRUCTION: 2 BORINGS PER 100 LF, LEFT AND RIGHT OF CL EMBANKMENT: 3 BORINGS PER INTERVAL, 1 AT TOP OF SLOPE, 1 AT BOTTOM OF SLOPE, ONE AT OUTER REACHES RESILIENT MODULUS: 3 SAMPLES PER MILE PER STRATUM CORROSION SERIES: 4 CORROSION TESTS PER STRATUM PER MILE RIGID PAVEMENT: MINIMUM OF 3 LABORATORY PERMEABILITY TESTS BURIED STORM SYSTEMS: MINIMUM OF 1-20 FT SPT PER 500 LF AREAS OF CUT: BORING DEPTH A MINIMUM OF 5 FT BELOW PROPOSED GRADE AREAS OF FILL: BORING DEPTH 2x THE PROPOSED EMBANKMENT HEIGHT
BRIDGE INVESTIGATIONS
DRIVEN PILES: 1 BORING PER BENT LOCATION REDUNDANT DRILLED SHAFTS: 1 BORING WITHIN 20 FEET OF EACH SHAFT NON-REDUNDANT DRILLED SHAFTS: 1 BORING PER SHAFT PHASE I INVESTIGATION: 1 BORING PER 500 LF OF BRIDGE CORROSION SERIES: 4 OF SOIL / 4 OF WATER APPROACH EMBANKMENT: 1 BORING PER 100 LF 2x EMBANKMENT HEIGHT
RETAINING WALLS / SHEET PILE WALLS
BORING SPACING: 1 BORING PER 150 FT OF WALL BORING DEPTH: 2x THE HEIGHT OF THE WALL
NOISE WALLS
BORING SPACING: 1 BORING PER 500 FT OF WALL BORING DEPTH: 2x THE HEIGHT OF THE WALL
BUILDINGS
BORING SPACING: 1 BORING AT EACH CORNER AND 1 IN CENTER (5 BORINGS) BORING DEPTH: VARIES, BASED ON SIZE OF BUILDING
CONCRETE BOX CULVERTS (CBC's)
BORING SPACING (NEW CBC): 2 BORINGS BORING SPACING (CBC EXTENSION): 1 BORING IN FOOTPRINT OF EXTENSION BORING DEPTH: 15 FEET BELOW BOTTOM OF CULVERT CORROSION SERIES: 4 OF SOIL / 4 OF WATER
HIGH MAST LIGHTING / OVERHEAD SIGN STRUCTURES
BORING SPACING: 1 BORING PER FOUNDATION BORING DEPTH: 40 FEET CORROSION SERIES: 1 PER FOUNDATION
MAST ARMS / STRAIN POLES
BORING SPACING: 1 BORING PER FOUNDATION BORING DEPTH: 25 FEET INTO COMPETENT SOIL (30 FT ESTIMATED) CORROSION SERIES: 1 PER FOUNDATION

CCTV POLES
BORING SPACING: 1 BORING PER FOUNDATION BORING DEPTH: 20 FEET INTO COMPETENT SOIL (25 FT ESTIMATED) CORROSION SERIES: 1 PER FOUNDATION
HIGH TENSION CABLE BARRIERS
BORING SPACING: 1 IN FOOTPRINT OF EACH ANCHORAGE LOCATION (2 PER BARRIER) BORING DEPTH: 35 FEET INTO COMPETENT SOIL (40 FT ESTIMATED) CABLE BARRIER ALIGNMENT BORINGS: 1 BORING PER 500 FEET TO VERIFY SOILS CORROSION SERIES: 1 PER ANCHORAGE FOUNDATION
STORMWATER MANAGEMENT FACILITY - PHASE I INVESTIGATION
BORING SPACING: 1 BORING PER POND FOOTPRINT BORING DEPTH: 30 FEET (CONTINUOUS SAMPLING) PERMEABILITY TESTING (CASED HOLE PIEZOMETERS): 1 PER FOOTPRINT
STORMWATER MANAGEMENT FACILITY - PHASE II INVESTIGATION
BORING SPACING: 2 BORINGS PER ACRE (40,000 SF) BORING DEPTH: 30 FEET (CONTINUOUS SAMPLING) PERMEABILITY TESTING (CASED HOLE PIEZOMETERS): 1 PER FOOTPRINT PER ACRE
STORMWATER SWALE INVESTIGATION / EXFILTRATION TRENCH / FRENCH DRAINS
BORING SPACING: 1 BORING PER 1,000 FT BORING DEPTH: 20 FEET (CONTINUOUS SAMPLING) PERMEABILITY TESTING (CASED HOLE PIEZOMETERS): 1 PER 1,000 FEET OF TRENCH/SWALE
SMALL DRAINAGE STRUCTURES
BORING SPACING: 1 BORING PER STRUCTURE BORING DEPTH: 5 FEET BELOW BOTTOM OF STRUCTURE CORROSION SERIES: 1 PER STRUCTURE
PAVEMENT CORE AND CONDITION SURVEY
CORE SPACING: MINIMUM OF 1 PAVEMENT CORE PER LANE PER MILE
CROSS DRAIN REPLACEMENT >36-INCHES
BORING SPACING (REPLACEMENT): 1 BORING EACH END OF PIPE (2 BORINGS) BORING DEPTH: 15 FT SPT CORROSION SERIES: 1 PER STRUCTURE
CROSS DRAIN EXTENSIONS >36-INCHES
BORING SPACING (EXTENSION): 1 BORING AT END OF EXTENSION (1 BORING) BORING DEPTH: 15 FT SPT CORROSION SERIES: 1 PER STRUCTURE

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project:

CR 121 from CR 119 to SR23 (US301)

County:

Nassau

FPN:

N/A

FAP No.:

N/A

Consultant Name:

Surveying & Mapping LLC (SAM)

Consultant No.:

1022072772

Date:

12/16/2024

Estimator:

Fred Bermudez, PSM

Staff Classification	Total Staff Hours From "SH Summary Firm"	Office /Departme	Senior Project	Senior Office Technican	Staff Classi- fication 4	Staff Classi- fication 5	Staff Classi- fication 6	Staff Classi- fication 7	Staff Classi- fication 8	Staff Classi- fication 9	Staff Classi- fication 10	Staff Classi- fication 11	Staff Classi- fication 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
3. Project General and Project Common Tasks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
4. Roadway Analysis	0	0	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	0	\$0	#DIV/0!
6a. Drainage Analysis	0	0	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	0	\$0	#DIV/0!
7. Utilities	0	0	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	0	\$0	#DIV/0!
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	0	0	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	0	\$0	#DIV/0!
11. Structures - Temporary Bridge	0	0	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	0	\$0	#DIV/0!
13. Structures - Medium Span Concrete Bridge	0	0	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	0	\$0	#DIV/0!
15. Structures - Segmental Concrete Bridge	0	0	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	0	\$0	#DIV/0!
17. Structures - Retaining Walls	0	0	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	0	\$0	#DIV/0!
19. Signing & Pavement Marking Analysis	0	0	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	0	\$0	#DIV/0!
21. Signalization Analysis	0	0	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	0	\$0	#DIV/0!
23. Lighting Analysis	0	0	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	0	\$0	#DIV/0!
25. Landscape Analysis	0	0	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	0	\$0	#DIV/0!
27. Survey (Field & Office Support)	836	42	251	503	0	0	0	0	0	0	0	0	0	796	\$132,277	\$166.18
28. Photogrammetry	0	0	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	0	\$0	#DIV/0!
30. Terrestrial Mobile LiDAR	997	50	299	599	0	0	0	0	0	0	0	0	0	948	\$157,541	\$166.18
31. Architecture Development	0	0	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	0	\$0	#DIV/0!
33. Intelligent Transportation Systems Analysis	0	0	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	0	\$0	#DIV/0!
35. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
36. 3D Modeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	1,833	92	550	1,102	0	0	0	0	0	0	0	0	0	1,744		
Total Staff Cost		\$25,585.20	\$130,295.00	\$133,937.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$289,817.28	\$166.18

Notes:

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

Check =

\$289,817.28

SALARY RELATED COSTS:					\$289,817.28
OVERHEAD:		0%			\$0.00
OPERATING MARGIN:		0%			\$0.00
FCCM (Facilities Capital Cost Money):		0.00%			\$0.00
EXPENSES:		18.00%			\$52,167.11
SUBTOTAL ESTIMATED FEE:					\$341,984.39
Survey (Field)	152	3-person crew	\$ 1,977.60	/ day	\$300,595.20
Geotechnical Field and Lab Testing					\$0.00
SUBTOTAL ESTIMATED FEE:					\$642,579.59
Optional Services					\$0.00
GRAND TOTAL ESTIMATED FEE:					\$642,579.59

SAM - CR 121 Phase 2 Staff Hour Form 12-16-24.xlsx
Fee Sheet - Sub

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12/16/2024 1:43 PM

27. Survey

Estimator:

CR 121 from CR 119 to SR23 (US301)

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

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	27.50	0.33	9.16	1.50	13.74	5.00	45.79	Utilize NGS Bench Run monumentation along CR 121. Static GPS sessions to produce horizontal coordinate values for project control points.
	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	27.50	0.75	20.63	1.50	30.94	5.00	103.13	Level to run from R592 (DH3494) to G515 (DF7095.) Differential levels thru mobile targets and check points. Adjustment and publication.
	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	27.50	0.33	9.16	1.50	13.74	5.00	45.79	Tie found monumentation per existing R/W maps and private properties as needed to create project alignment. Calculate a Baseline of Survey from available SRD monuments and R/W Maps. Staking of Baselines not included.
27.4	Aerial Targets			Units/Day						
	2-Lane Roadway	EA	300.00	10.00	30.00	1.25	37.50	5.00	150.00	Set, paint and protect 150 mobile targets at 1000 ft intervals, 150 intermittent check points at 1000 foot intervals in zipper pattern. Double-tie targeting and checks at 180 epoch intervals for horizontal solution.
	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	Show ties from calculated Baseline of Survey to HPC. No reference points to be staked.
	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			0.00		0.00		0.00	N/A
27.6	Topography/DTM (3D)									

27. Survey

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	0.0000	30.00	8.50	1.25	10.63	4.00	34.00	Collect topographic ground information at two (2) RR Crossings (500LF North/South full ROW) Collect topographic ground information 100LF from CR121 EOP at four (4) major intersections (CR2, CR115A, Andrews Rd, & CR108). Locate ALL existing mailboxes and signs within CR 121 R/W. Add to deliverable.
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	0.34	9.00	3.06	2.00	6.12	5.00	15.30	3D Topo at 24 minor intersections (50LF from CR121 EOP) for Cortez Rd, DB Hicks Rd, Kinard Dr, Eastwood Dr, Hamp Hicks Rd, Batten Rd, Barber Green, Conner Rd, Henry Lee Rd, Crew Rd, Sikes Dr, Carroll Corner Rd, Roy Sikes Rd, Addison Lane & Kurry Lane, Tomlinson Rd, Varnes Rd, Mulberry Landing, Tompkins Landing Rd, Knight Rd, Hodges Rd, Trigg Rd, Sundberg Rd, and Tracy Rd.
27.10	Underground Utilities									
	Designates	Mile/Site	0.00	0.30	0.00	1.00	0.00	3.00	0.00	Locate marked/designated underground utilities (as marked by others) within the limits of the seven (7) concrete box culverts
	Locates	Point			0.00		0.00		0.00	
	Survey		15%	0.00	3.00	1.00	3.00	4.00	12.00	
27.11	Outfall Survey									
		Mile			0.00		0.00		0.00	N/A
27.12	Drainage Survey			Units/Day						Collect topographic ground information at seven (7) existing CBCs. (300LF North/South full ROW) Collect topographic ground information at forty (40) existing cross drains. (Includes terrain model of swale to ditch or to R/W line for 25 ft either side of XD centerline)
		EA	0.00	8.00	27.50	1.25	34.38	4.00	110.00	
27.13	Bridge Survey									To be included in scan data with no additional field effort. Bridge deck and guardrail data only.
	Minor / Major	EA			0.00		0.00		0.00	
27.14	Channel Survey									
		EA			0.00		0.00		0.00	N/A
27.15	Pond Site Survey									
		EA			0.00		0.00		0.00	N/A
27.16	Mitigation Survey									
		Mile			0.00		0.00		0.00	N/A
27.17	Jurisdiction Line Survey									Locate flags set by others along project as needed.
		Mile	27.500	0.25	6.88	1.00	6.88	4.00	27.50	
27.18	Geotechnical Support			Units/Day						N/A
		EA	0	0	0.00	0.00	0.00	0.00	0.00	

27. Survey

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
27.19	Sectional / Grant Survey									
		Corner			0.00		0.00		0.00	N/A
		Mile			0.00		0.00		0.00	
27.20	Subdivision Location									
		Block			0.00		0.00		0.00	N/A
27.21	Maintained R/W									
		Mile			0.00		0.00		0.00	N/A
27.22	Boundary Survey									
		EA			0.00		0.00		0.00	N/A
27.23	Water Boundary Survey									
		EA			0.00		0.00		0.00	N/A
27.24	R/W Staking / R/W Line									
		EA			0.00		0.00		0.00	N/A
		Mile			0.00		0.00		0.00	
27.25	R/W Monumentation									
		Point			0.00		0.00		0.00	N/A
27.26	Line Cutting									
		Mile			0.00					N/A
27.27	Work Zone Safety									
			115	0.13	14.38					MOT / signage / safety
27.28	Vegetation Survey									
		LS							0	N/A
27.29	Tree Survey									
		LS							0	N/A
27.30	Miscellaneous Surveys									
			129.00	0.1	12.90		0.00		0.00	Mobilization
Survey Subtotal				Crew Days	145	Field Support Hours	157	Office Support Hours	544	
27.31	Supplemental Surveys									
			5%	145	7		9		31	Additional survey services as needed.
27.32	Document Research	Units								
									0	
27.33	Field Reviews	Units								Field review of conventional topography

27. Survey

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
			4.00						4	Field review of conventional topography.
27.34	Technical Meetings	LS								
			13.00						13	
27.35	Quality Assurance / Quality Control	LS								
								5%	27	
27.36	Supervision	LS								
								5%	36	
27.37	Coordination	LS								
								3%	16	
27. Survey Total				Crew Days	152	Field Support Hours	166	Office Support Hours	670	

SPLS =
PLS =
Office Support =
Total Hours = 836

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	
Baseline Approval Review	EA	0	0	0		0	
Network Control Review	EA	1	4	4		0	Geospatial review of PNC
Vertical Control Review	EA	1	3	3		0	Internal review of Bench Levels.
Local Governments (cities, counties)	EA	0	0	0		0	
Final Submittal Review	EA	1	6	6		0	
Other Meetings	EA	0	0	0		0	
Subtotal Technical Meetings				13	Subtotal PM Meetings	0	
Progress Meetings (if required by FDOT)	EA	0	0	0	**	- -	
Phase Review Meetings	EA	0	0	0	**	- -	
Total Meetings				13	Total PM Mtgs (carries to Tab 3)	0	

Carries to 27.34Carries to Tab 3

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

30. Terrestrial Mobile LiDAR

Estimator:

CR 121 from CR 119 to SR23 (US301)

N/A

Representing	Print Name	Signature / Date
FDOT District		
Consultant Name		

NOTE: Signature Block is optional, per District preference

Task No.	Task	Units	No. of Units	Hour / Unit	Hours					Total Range	Comments
					PSM	Senior LiDAR Technician	LiDAR Technician	LiDAR Operator	Field Technician		
30.1	Terrestrial Mobile LiDAR Mission Planning										
		27.5	27.50	0.050	1.38					1.38	PSM Only
		27.5	27.50	0.350		9.63				9.63	Sr. LiDAR Tech Only
		27.5	27.50	0.350			9.63			9.63	LiDAR Technician Only
30.2	Project Control Point Coordination										
	0	Point	300	0.010	3.00					3.00	PSM Only
		Point	300	0.020		6.00				6.00	Sr. LiDAR Tech Only
		Point	300	0.020			6.00			6.00	LiDAR Technician Only
30.3	Terrestrial Mobile LiDAR Mobilization										
	0	Personnel	1	10.0				10.00		10.00	LiDAR Operator Only
		Personnel	2	10.0					20.00	20.00	Field Technician Only
30.4	Terrestrial Mobile LiDAR Mission										
	0	Scan Miles	55.00	0.100				5.50		5.50	LiDAR Sensor Operator
		Scan Miles	55.00	0.100	Number of Field Technician(s) =			2.00	5.50	11.00	1-Technician to drive vehicle , 1-base station
30.5	Terrestrial Mobile LiDAR Processing										
	0	Scan Miles	55.00	0.050	2.75					2.75	PSM Only
		Scan Miles	55.00	0.200		11.00				11.00	Sr. LiDAR Tech Only
		Scan Miles	55.00	0.300				16.50		16.50	LiDAR Operator
30.6	Terrestrial Mobile Photography Processing										
	0	Scan Miles	27.50	0.000	0.00					0.00	PSM Only
		Scan Miles	27.50	0.000		0.00				0.00	Sr. LiDAR Tech Only

30. Terrestrial Mobile LiDAR

Task No.	Task	Units	No. of Units	Hour / Unit	Hours					Total Range	Comments
					PSM	Senior LiDAR Technician	LiDAR Technician	LiDAR Operator	Field Technician		
		Scan Miles	27.50	0.000			0.00			0.00	LiDAR Technician Only
30.7	Transformation / Adjustment										
	0	Scan Miles	55.00	0.200	11.00					11.00	PSM Only
		Scan Miles	55.00	0.700		38.50				38.50	Sr. LiDAR Tech Only
		Scan Miles	55.00	0.000			0.00			0.00	LiDAR Technician Only
30.8	Classification / Editing										
	0	Corridor Miles	27.50	0.200	5.50					5.50	PSM Only
		Corridor Miles	27.50	1.500		41.25				41.25	Sr. LiDAR Tech Only
		Corridor Miles	27.50	1.500			41.25			41.25	LiDAR Technician Only
30.9	Specific Surface Reporting										
	0	Corridor Miles	0.00	0.000	0.00					0.00	PSM Only
		Corridor Miles	0.00	0.000		0.00				0.00	Sr. LiDAR Tech Only
		Corridor Miles	0.00	0.000			0.00			0.00	LiDAR Technician Only
30.10	Topographic (3D) Mapping										
	0	Corridor Miles	27.50	0.200	5.50					5.50	PSM Only
		Corridor Miles	27.50	8.000		220.00				220.00	Sr. LiDAR Tech Only
		Corridor Miles	27.50	8.000			220.00			220.00	LiDAR Technician Only
30.11	Topographic (2D) Planimetric Mapping										
	0	Corridor Miles	27.50	0.200	5.50					5.50	PSM Only
		Corridor Miles	27.50	0.300		8.25				8.25	Sr. LiDAR Tech Only
		Corridor Miles	27.50	2.000			55.00			55.00	LiDAR Technician Only
30.12	CADD Edits										
	0	Corridor Miles	27.50	0.100	2.75					2.75	PSM Only
		Corridor Miles	27.50	0.300		8.25				8.25	Sr. LiDAR Tech Only
		Corridor Miles	27.50	1.500			41.25			41.25	LiDAR Technician Only
30.13	Data Merging										

30. Terrestrial Mobile LiDAR

Task No.	Task	Units	No. of Units	Hour / Unit	Hours					Total Range	Comments
					PSM	Senior LiDAR Technician	LiDAR Technician	LiDAR Operator	Field Technician		
	0	Corridor Miles	27.50	0.100	2.75					2.75	PSM Only
		Corridor Miles	27.50	0.300		8.25				8.25	Sr. LiDAR Tech Only
		Corridor Miles	27.50	0.600			16.50			16.50	LiDAR Technician Only
30.14	Miscellaneous										
	Survey Report	LS	1	6	6					6.00	PSM Only
		LS	1	10		10				10.00	Sr. LiDAR Tech Only
		LS	0	0			0			0.00	LiDAR Tech Only
		LS	0	0				0		0.00	LiDAR Operator Only
		LS	0	0					0	0.00	Field Technician Only
Mobile Scan Technical Subtotal										859.88	

30. Terrestrial Mobile LiDAR

Task No.	Task	Units	No. of Units	Hour / Unit	Hours					Total Range	Comments
					PSM	Senior LiDAR Technician	LiDAR Technician	LiDAR Operator	Field Technician		
30.15	Field Reviews										
		LS	0		0.00					0.00	
		LS	0			0.00				0.00	
30.16	Technical Meetings										
		LS								0.00	From Meetings Table Below
30.17	Quality Assurance / Quality Control										
		LS	7%							60	
30.18	Supervision										
		LS	7%							60	
			Mobile Scan Nontechnical Subtotal							120.00	
30.19	Coordination										
		LS	2%							17	
30. Terrestrial Mobile LiDAR Mapping Total										996.88	

* The low end of the range is for rural 2-lane; medium range is for typical Multi-Lane; the high end of the range is for urban/interstate.

Technical Meetings	Units	No of Units	Hours/ Unit	Total Hours	Comments	PM Attendance at Meeting Required?	Number
Terrestrial Mobile LiDAR Mapping 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 30.16

Carries to Tab 3

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

MT-23928 Nassau County, FL



Map & Notes:

Peak hours and classification count locations to be determined at a later date.

MT-23928 Nassau County, FL .kmz

Turn Movement Count FL - 4 Hour [Peak Hours TBD] w/peds, bikes, heavy trucks FHWA 4-7 & 8-13 1. CR 121 & CR 108 & Carrol Corner Rd & Jessie Rd (Private)	385.00 x 1 385.00
Bi-directional Count FL - 24 Hour [Volume & Classification] Count Locations TBD	300.00 x 8 2,400.00
Total	\$2,785.00

*** Please Provide PO# or your order/reference number ***

Please provide the PO# or order/reference number for invoicing for this project when accepting cost estimate.

Thank you, we appreciate your business.

Questions & Answers

MT-23928 Nassau County, FL

Total \$2,785.00

Additional comments

Optional

Your order/reference number

Optional

☐ Yes, I **Jessica Novak** agree to and accept this quote, on 9 December 2024 at 6:57 AM.

Accept Quote

[Decline this quote...](#)

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TO
Jessica Novak

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PHONE
(904) 828-3937

QUOTE NUMBER
23928

DATE
5 December 2024

EXPIRY DATE
5 March 2025 at 4:00 PM

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