

RESOLUTION NO. 2025 - 707

A RESOLUTION AUTHORIZING AN AGREEMENT FOR CONSULTANT SERVICES IN THE AMOUNT OF \$2,012,950.94 BETWEEN THE CITY OF TAMPA AND HNTB CORPORATION IN CONNECTION WITH CONTRACT 24-D-00018, CITY OF TAMPA MACDILL AIR FORCE BASE ACCESS IMPROVEMENTS PROJECT; AUTHORIZING THE MAYOR OF THE CITY OF TAMPA TO EXECUTE SAID AGREEMENT ON BEHALF OF THE CITY OF TAMPA; PROVIDING AN EFFECTIVE DATE.

WHEREAS, via the competitive selection process pursuant to Florida Statutes Section 287.055, the Consultants' Competitive Negotiation Act ("CCNA"), as applicable, the City of Tampa ("City") selected HNTB Corporation ("Firm") to provide professional services in connection with 24-D-00018, City of Tampa MacDill Air Force Base Access Improvements Project, ("Project") as detailed in the Agreement for Consultant Services ("Agreement"); and

WHEREAS, the City seeks to enter into this Agreement with the Firm to provide for design services for improvements to the Interbay Boulevard corridor from West Shore Boulevard to Bayshore Boulevard. The project includes conversion of the existing two-lane undivided road to a three-lane divided road west of Dale Mabry Highway, construction of wide sidewalks with pedestrian crossings, side street connections, Americans with Disabilities Act (ADA) and drainage improvements, bicycle accommodations, and complete pavement resurfacing and restriping. The design will also incorporate intermittent pavement widening to accommodate a center two-way left-turn lane or left-turn pockets along the corridor; and

WHEREAS, it is in the best interest of the City of Tampa to enter into each Agreement.

**NOW, THEREFORE,
BE IT RESOLVED BY THE CITY COUNCIL
OF THE CITY OF TAMPA, FLORIDA, THAT:**

Section 1. The Agreement between the City and the Firm, in connection with Contract 24-D-00018, City of Tampa MacDill Air Force Base Access Improvements Project, copies of which are attached hereto and made a part hereof, are authorized and approved in their entirety or in substantially similar form.

Section 2. The Mayor of the City of Tampa is authorized and empowered to execute, and the City Clerk of the City of Tampa ("City Clerk") to attest and affix the official seal of the City of Tampa to, said Agreement on behalf of the City of Tampa.

Section 3. This resolution approves the agreement between the City and HNTB Corporation for consulting services in the amount of \$2,012,950.94 for use by the MacDill Airforce Base Access Improvements project within the Transportation Grants Capital Projects and Interbay District Transportation Impact Fee Funds.

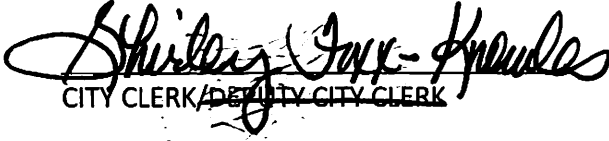
Section 4. The City Clerk shall file a fully executed copy of each Agreement in the official records of the City of Tampa as maintained by the Office of the City Clerk.

INF 25-15873

Section 5. The proper officers of the City are authorized to do all things necessary and proper in order to carry out and make effective the provisions of this Resolution, which shall take effect immediately upon its adoption.

PASSED AND ADOPTED BY THE CITY COUNCIL OF THE CITY OF TAMPA, FLORIDA, ON AUG 07 2025

ATTEST:


CITY CLERK / DEPUTY CITY CLERK



CHAIRMAN / CHAIRMAN PRO-TEM CITY COUNCIL

APPROVED AS TO FORM:

E/S
Justin R. Vaske
SENIOR ASSISTANT CITY ATTORNEY

AGREEMENT FOR CONSULTANT SERVICES

THIS AGREEMENT ("Agreement") made and entered into at Tampa, Florida, as of the ____ day of _____, 2025, which is the date Resolution No. 2025-____ was adopted authorizing execution of this Agreement, by and between the CITY OF TAMPA, a municipal corporation of the State of Florida, ("CITY"), the address of which is 315 East Kennedy Boulevard, Tampa, Florida 33602, and HNTB Corporation, a Delaware Corporation authorized to do business in the State of Florida, ("FIRM"), the address of which is 201 N. Franklin Street, Tampa, Florida 33602 .

WITNESSETH:

WHEREAS, the CITY desires to engage the FIRM to perform certain professional services pertinent to such work which shall be referred to as Contract 24-D-00018; City of Tampa MacDill Air Force Base Access Improvements Project ("PROJECT") in accordance with this Agreement; and

WHEREAS, the FIRM desires to provide such professional services in accordance with this Agreement.

NOW, THEREFORE, in consideration of the mutual covenants, promises, representations and considerations to be kept, performed and paid, the parties hereto agree for themselves, their successors and assigns, as follows:

I. GENERAL SCOPE OF THIS AGREEMENT

A. The relationship of the FIRM to the CITY will be that of an independent professional consultant for the PROJECT; and the FIRM shall provide the professional and technical services required under this Agreement in accordance with the care and skill used by members of FIRM'S profession practicing under similar circumstances at the same time and in the same locality ("Standard of Care").

B. The scope of services to be provided is indicated in **Exhibit A** ("Services").

II. DATA AND SERVICES TO BE PROVIDED BY THE CITY

The CITY shall provide available plans and specifications of existing construction, if any, applicable to the Project.

III. PERIOD OF SERVICE

A. The FIRM shall begin work promptly after receipt of a fully executed copy of this Agreement and a Notice to Proceed. This Agreement shall remain in force until the completion of all construction for the Project.

B. The FIRM's services called for under this Agreement shall be completed provided that, if the FIRM's services are delayed for reasons beyond the FIRM's control, the time of performance and compensation shall be adjusted appropriately.

IV. GENERAL CONSIDERATIONS

A. All original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans that result from the FIRM's services under this Agreement shall become and remain the property of the CITY upon receipt of payment by the FIRM from the CITY for services rendered in connection with the preparation of said sketches, tracings, etc. Where such documents are required to be filed with governmental agencies, the FIRM will furnish copies to the CITY upon request.

B. The CITY acknowledges that the materials cited in Paragraph IV. A. above, which are provided by the FIRM, are not intended for use in connection with any project or purpose other than the project and purpose for which such materials were prepared without prior written consent and adaptation by the FIRM shall be at the CITY's sole risk, and the FIRM shall have no responsibility or liability therefor.

C. Any use by the CITY of such materials in connection with a project or purpose other than that for which such materials are prepared without prior written consent and adaptation by the FIRM shall be at the CITY's sole risk, and the FIRM shall have no responsibility or liability therefore.

V. COMPENSATION

The CITY shall compensate the FIRM for the services performed with this Agreement a lump sum (by task) of \$2,012,950.94 to be billed in accordance with **Exhibit B**.

VI. PAYMENT

Payments shall be made upon presentation of the FIRM's approved invoices via Trimble/eBuilder software.

VII. RECORDS

Records for Personnel Expenses shall be kept on a generally recognized accounting basis and shall be available to the CITY or its authorized representative at mutually convenient times.

With respect to all matters covered by this Agreement, records will be made available for examination, audit, inspection, or copying purposes upon prior written notice at any time during normal business hours at a location within Hillsborough County, Florida as often as the CITY, HUD (if applicable), representatives of the Comptroller General of the United States or other federal agency may reasonably require. FIRM will permit same to be examined and excerpts or transcriptions made or duplicated from such records, and audits made of all contracts, invoices, materials, records of personnel and of employment and other data relating to all matters covered by this Agreement. The CITY's right of inspection and audit shall obtain likewise with reference to any audits made by any other agency, whether local, state or federal. FIRM shall retain all records and supporting documentation applicable to this Agreement for five (5) years from the date of submission of the annual performance report to HUD, if applicable. If any litigation, claim, negotiation, audit, monitoring, inspection or other action has been started before the expiration of the required record retention period, records must be retained until completion of the action and resolution of all issues which arise from it, or the end of the required period, whichever is later.

VIII. PERSONNEL

The FIRM represents that it has or will secure, at its own expense, all personnel required in performing the services under this Agreement. All personnel engaged in the work shall be fully qualified and shall be authorized or permitted under State and local law to perform such services. No person who is serving sentence in a penal or correctional institution shall be employed for work under this Agreement. The FIRM further certifies that all of its employees assigned to serve the CITY have such knowledge and experience as required to perform the duties assigned to them. Any employee of the FIRM who, in the opinion of the CITY, is incompetent, or whose conduct becomes detrimental to the work, shall immediately be removed from association with the certain professional engineering services under this Agreement.

IX. SUSPENSION, CANCELLATION OR ABANDONMENT

In the event the PROJECT is suspended, cancelled or abandoned, the FIRM shall be given fifteen (15) days prior written notice of such action and shall be compensated for the professional services provided and reimbursable expenses incurred up to the date of suspension, cancellation or abandonment in an amount mutually agreed to by the CITY and FIRM and supported by back-up documentation.

Upon suspension, cancellation or abandonment hereof, FIRM shall immediately cease work hereunder and shall be compensated for its services rendered up to the time of such cancellation or termination on a quantum meruit basis; and the CITY shall have no further financial obligation to FIRM.

In the event the PROJECT is suspended, cancelled or abandoned, the FIRM shall deliver all original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans that result from the FIRM's services under this Agreement. The aforementioned original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans shall be without restriction on future use by the CITY except that FIRM shall not be liable for such future use by the CITY.

X. TERMINATION

A. Termination for Cause. In the event that the FIRM shall for any reason or through any cause not have completed performance within the time fixed for performance under this Agreement; or any representation or warranty made under Article XII of this Agreement shall prove to be untrue in any material respect; or the FIRM shall otherwise be in default under this Agreement; or the FIRM has subcontracted, assigned, delegated, transferred its rights, obligations or interests under this Agreement without the CITY's consent or approval; or the FIRM has filed bankruptcy, become insolvent or made an assignment for the benefit of creditors, or a receiver, or similar officer has been appointed to take charge of all or part of FIRM assets; or the FIRM disclosed CITY confidential information, procedures or activities; or the FIRM fails to aggressively, adequately, timely and appropriately perform the services required by this Agreement in conformity with the Standard of Care, or other similar cause, the City may terminate this Agreement for cause.

Then the CITY may provide five (5) days written notice that the conduct of the FIRM is such that the interests of the CITY are likely to be impaired or prejudiced, stating the facts upon which the opinion is based. Then the CITY may upon fifteen (15) days written notice, and at the end of the (15) days terminate this Agreement for cause (herein "Termination Date"). Upon that termination for cause, the FIRM shall be entitled to compensation for services properly and satisfactorily performed through the date of such termination for cause. In the event of such termination for cause, the FIRM shall be entitled to receive just and equitable compensation for any satisfactory work performed as of the Termination Date; however, FIRM shall not be compensated for any anticipatory profits that have not been earned as of the date of the Termination Date. All work accomplished by FIRM prior to the Termination Date shall be documented. In the event the project is terminated for cause pursuant to this Article, the FIRM shall deliver all original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans that result from the FIRM's services under this Agreement. The aforementioned original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans shall be without restriction on future use by the CITY. Notwithstanding the above or any section herein to the contrary, FIRM shall not be relieved of liability to the CITY for damages sustained by the CITY by virtue of any breach of the Contract by FIRM.

B. Termination for Convenience. The CITY may reduce the scope of work or terminate work under this Agreement or amendment to this Agreement without cause; in the event of such scope reduction or termination other than for cause, the CITY shall compensate the FIRM for services properly performed through the date of such reduction in scope or termination, which date shall be fixed in written notice from the CITY and which date shall be not sooner than fifteen (15) days after notice. Notwithstanding such termination or reduction in scope, the CITY shall be entitled to receive from the FIRM upon request any and all information related to the PROJECT and the CITY shall preserve and protect all such information and assure ready access thereto by the FIRM in connection with resolution of the amount due to the FIRM. The CITY, at its own discretion, shall be entitled to direct the FIRM to terminate any or all the FIRM's subcontracts or subconsulting agreements. In the event the project is terminated for convenience pursuant to this Article, the FIRM shall deliver all original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans that result from the FIRM's services under this Agreement. The aforementioned original sketches, tracings, drawings, computations, details, design calculations, specifications and other documents and plans shall be without restriction on future use by the CITY.

XI. INSURANCE

The FIRM, at its own cost and expense, shall effect and maintain at all times during the life of this Agreement insurance, in accordance with that indicated in **Exhibit C**.

XII. INTERESTS OF MEMBERS OF THE CITY

No member of the governing body of the CITY and no other officer, employee, or agent of the CITY who exercise any functions or responsibilities in connection with the carrying out of the PROJECT to which this Agreement pertains shall have any personal interest, direct or indirect, in this Agreement.

XIII. INTEREST OF THE FIRM

The FIRM covenants that it presently has no interest and shall not acquire any interest, direct or indirect, in any project to which this Agreement pertains or any other interest which would conflict in any

manner or degree with its performance of any contracted service hereunder. The FIRM further covenants that in the performance of this Agreement no person having such interest shall be employed.

The FIRM 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.

The FIRM shall disclose any clients that may either conflict with or affect its independent judgment when performing any work for the City of Tampa covered by this Agreement. Failure of the FIRM to disclose the above professional conflict of interest may result in termination of this Agreement pursuant to Article X of this Agreement and may require the return of all payments, if any, made to the FIRM from the City. If, in its sole discretion the CITY of Tampa determines that a professional conflict of interest is deemed to exist, the FIRM shall be disqualified from participating in the proposed Project.

XIV. COMPLIANCE WITH LAWS

A. The FIRM shall comply with the applicable requirements of State laws and all Codes and Ordinances of the City of Tampa as amended from time to time, together with keeping and maintaining in full force and effect during the term of this Agreement all licenses and certificates of authorization required pursuant to applicable law, including without limitation those required by Chapters 471, 481, and 489, Florida Statutes.

B. If the PROJECT involves E.P.A. Grant eligible work, the CITY and the FIRM agree that the provisions of 40 CFR, Part 35, Appendix C-1, shall become a part of this Agreement and that such provisions shall supersede any conflicting provisions of this Agreement for work performed under said Agreement.

C. If the PROJECT involves work under other Federal or State Grantors or Approving Agencies, the CITY and the FIRM shall review and approve the applicable required provisions or any other supplemental provisions as may be included in the Agreement.

D. Truth-In-Negotiation Certification: The FIRM certifies that the wage rates and other factual unit costs supporting the compensation are accurate, complete, and current at the time of the execution of the Agreement of which this Certificate is a part. The original price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the Agreement amount was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs and that such original Agreement adjustments shall be made within one (1) year following the end of the Agreement.

E. Any documents provided by FIRM to the CITY are public records and the CITY may authorize third parties to review and reproduce such documents pursuant to public records laws, including the provisions of Chapter 119, Florida Statutes

XV. ASSIGNABILITY

Neither party shall assign or transfer any interest in this Agreement without consent from the other party; provided, however, that the claim for money due or to become due the FIRM from the CITY under

this Agreement may be assigned to a bank or other financial institution or to a Trustee in Bankruptcy. Notice of any such assignment shall be furnished promptly to the CITY.

XVI. EQUAL EMPLOYMENT

During the performance of this Agreement or any related Work Order, the FIRM shall:

A. Not discriminate against any employee or applicant for employment because of race, color, religion, age, sex, handicap, or national origin. FIRM shall take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, age, sex, handicap, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. FIRM shall post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

B. In all solicitations or advertisements for employees placed by or on behalf of the FIRM, it must state that all qualified applicants will receive considerations for employment without regard to race, color, religion, age, sex, handicap, or national origin.

XVII. EQUAL BUSINESS OPPORTUNITY PROGRAM

A. FIRM shall demonstrate good faith effort toward the utilization of City certified Women/Minority Business Enterprise (W/MBE) and Small Local Business Enterprise (SLBE) subconsultants or suppliers.

B. The CITY shall make available a list of Certified W/MBEs and SLBEs.

C. The FIRM shall report to the CITY its subcontractors/subconsultants/suppliers solicited or utilized (**Exhibit D**).

D. At the time of the submission of invoices, the FIRM shall submit to the CITY a report (**Exhibit D**) of all subcontractors, subconsultants or suppliers utilized with their final contract amounts and any other reports or forms as may be required by the CITY.

XVIII. CITY CODE OF ETHICS

In connection with this Agreement, the FIRM hereby covenants and agrees that it shall comply with all applicable governmental laws, statutes, rules and regulations including, without limitation, the City of Tampa's Code of Ethics. Pursuant to Section 2-522 of the City of Tampa Code, the FIRM acknowledges that if it fails to comply with the City of Tampa's Code of Ethics, such a failure shall render this Agreement voidable by the CITY and subject the FIRM to debarment from any future CITY contracts or agreements.

XIX. NEGATION OF AGENT OR EMPLOYEE STATUS

FIRM shall perform this Agreement as an independent consultant and nothing contained herein shall in any way be construed to constitute FIRM or the assistants of FIRM to be representative, agent,

subagent, or employee of CITY or any political subdivision of the State of Florida. FIRM certifies FIRM's understanding that CITY is not required to withhold any federal income tax, social security tax, state and local tax, to secure worker's compensation insurance or employer's liability insurance of any kind or to take any other action with respect to the insurance or taxes of FIRM and assistants of FIRM.

In no event and under no circumstances shall any provision of this Agreement make CITY or any political subdivision of the State of Florida liable to any person or entity that contracts with or that provides goods or services to FIRM in connection with the Services the FIRM has agreed to perform hereunder or otherwise, or for any debts or claims of any nature accruing to any person or entity against FIRM; and there is no contractual relationship, either express or implied, between CITY or any political subdivision of the State of Florida any person or any political subdivision of the State of Florida any person or entity supplying any work, labor, services, goods or materials to FIRM as a result of the provisions of the Services provided by FIRM hereunder or otherwise.

XX. SEVERABILITY

If any item or provision to this Agreement is held invalid or unenforceable by a court of competent jurisdiction, the remainder of the Agreement shall not be affected and every other term and provision of this Agreement shall be deemed valid and enforceable to the extent permitted by law.

XXI. CHOICE OF LAW

The laws of the State of Florida (without giving effect to its conflicts of law principles) govern all matters arising out of or relating to this Agreement, including, without limitation, its interpretation, construction, performance, and enforcement.

XXII. DESIGNATION OF FORUM

Any party bringing a legal action or proceeding against any other party arising out of or relating to this Agreement may bring the legal action or proceeding in the United States District Court for the Middle District of Florida, Tampa Division or in any court of the State of Florida sitting in Tampa.

XXIII. AUTHORIZATION

Each party represents to the other that such has authority under all applicable laws to enter into an agreement containing each covenants and provisions as are contained herein, that all of the procedural requirements imposed by law upon each party for the approval and authorization of this Agreement have been properly completed, and that the persons who have executed the Agreement on behalf of each party are authorized and empowered to execute said Agreement.

XIV. ENTIRE AGREEMENT

This Agreement sets forth the entire agreement between the parties and there are no promises or understandings other than those stated herein. Exhibits to this Agreement shall be deemed to be incorporated by reference as though set forth in full herein. In the event of a conflict or inconsistency between this Agreement and the provisions in the incorporated Exhibits, and unless otherwise specified herein, then this Agreement will prevail.

XXV. INDEMNIFICATION

The FIRM shall indemnify and hold harmless the CITY, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the FIRM and other persons employed or utilized by the FIRM in the performance of the Agreement.

XXVI. ESTOPPEL/WAIVER

No waiver of any provisions of this Agreement shall be effective unless it is in writing, signed by the party against whom it is asserted and any such waiver shall only be applicable to the specific instance in which it relates and shall not be deemed to be a continuing waiver.

The failure of the CITY to enforce any term or condition of this Agreement shall not constitute a waiver or estoppel of any subsequent violation of this Agreement.

XXVII. AUDIT REQUIREMENTS.

In the event, that during the period of this Agreement, the Firm expends more than \$1,000,000 in federal funds in an operating year from this and other federal grants, the Firm shall, at its own cost and expense, cause to be carried out an independent audit. The audit shall be completed and a copy furnished to the City, within the earlier of thirty (30) calendar days after receipt of the auditor's report(s) or nine (9) months after the end of the audit period, unless a longer period is agreed to in advance by the City. For purposes of this Agreement, an operating and/or audit year is the equivalent to the Firm's fiscal year. The determination of when Grant Funds are expended is based on when the activity related to the expenditure occurs.

The audit shall be conducted in compliance with the Office of Management and Budget: Part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, as applicable, which are made a part of this Agreement by reference thereto. In the event the audit shows that the entire funds disbursed hereunder, or any portion thereof, were not expended in accordance with the conditions of this Agreement, the Firm shall be held liable for reimbursement to the City of all funds not expended in accordance with these applicable regulations and Agreement provisions within thirty (30) calendar days after the City has notified the Firm of such non-compliance. Said reimbursement shall not preclude the City from taking any other action as provided herein.

If expenditure does not exceed \$1,000,000 during an operating year, the Firm shall provide the City with its annual financial statement within ninety (90) days of the end of its operating year. Said financial statement shall be prepared by an actively licensed certified public accountant.

State Single Audit: Each non-state entity shall comply with all applicable requirements of section 215.97, F.S., and Audit Requirements. A State single audit is required if an nonstate entity expends \$750,000 or more of State financial assistance in any fiscal year of such non-state entity in accordance with the requirements of the Florida Single Audit Act.

XXVIII. DEFAULT

A default shall consist of any use of Grant Funds for a purpose other than as authorized by this Agreement, noncompliance with any provision in all Articles herein, any material breach of the Agreement, failure to comply with the audit requirements as provided herein, or failure to expend Grant Funds in a timely or proper manner. A cancellation for default pursuant to this Article shall not

impair or limit the City's remedy for the Firm's breach of warranty to the extent of work performed, not for errors or omissions in the professional engineering services prior to cancellation.

XXIX. BUDGET APPROPRIATIONS

The City is subject to Section 166.241, Florida Statutes, and is not authorized to contract for expenditures in any fiscal year except in pursuance of budgeted appropriates. With respect to this Agreement, the City has budgeted and appropriated sufficient monies to fund the City's obligations under this Agreement. The obligations of the City hereunder shall not constitute a general indebtedness of the City within the meaning of the Florida Constitution.

XXX. SCRUTINIZED COMPANIES

Section 287.135, Florida Statutes, prohibits agencies or local governmental entities from contracting with companies for (i) goods or services of any amount on either the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, or is engaged in a boycott of Israel and (ii) goods or services of \$1,000,000 or more that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473, Florida Statutes, or is engaged in business operations in Cuba or Syria. A company that is on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel or is engaged in business operations in Cuba or Syria is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of any amount. A company that is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or is engaged in business operations in Cuba or Syria or is on the Iran Terrorism Sector List is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of \$1,000,000 or more. FIRM certifies that it is not in violation of Section 287.135, Florida Statutes. If the City determines the FIRM submitted a false certification, or has been placed on the Scrutinized Companies Activities in the Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or is on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel or been engaged in business operations in Cuba or Syria, the City shall have the option to terminate this Agreement or maintain it subject to the conditions of Section 287.135 of the Florida Statutes.

XXXI. PUBLIC RECORDS

A. Exempt Plans. FIRM pursuant to this Agreement (and as part of the solicitation process that resulted in award of this Agreement) may hold, come into possession of, and/or generate certain building plans, blueprints, schematic drawings, including draft, preliminary, and final formats, which depict the internal layout and structural elements of a building, facility, or other structure owned or operated by the City or an agency (singularly or collectively "Exempt Plans"), which pursuant to Section 119.071(3), Florida Statutes, are exempt from Section 119.07(1), Florida Statutes and Section 24(a), Art. I of the Florida State Constitution. FIRM certifies it has read and is familiar the exemptions and obligations of Section 119.071(3), Florida Statutes; further that FIRM is and shall remain in compliance with same, including without limitation maintaining the exempt status of such Exempt Plans, for so long as any Exempt Plans are held by or otherwise in its possession. This section shall survive the expiration of earlier termination of this Agreement.

B. Data Collection. Pursuant to Section 119.071(5)(a)2a, Florida Statutes, social security numbers shall only be collected from FIRM by the CITY should such number be needed for identification, verification, and/or tax reporting purposes. To the extent FIRM collects an individual's social security number in the course of acting on behalf of the CITY pursuant to the terms and conditions this Agreement, FIRM shall follow the requirements of Florida's Public Records Law.

C. Access. The City of Tampa is a public agency subject to Chapter 119, Florida Statutes. In accordance with Florida Statutes, 119.0701, FIRM agrees to comply with Florida's Public Records Law, including the following:

1. FIRM shall keep and maintain public records required by the CITY to perform the services under this Agreement;
2. Upon request by the CITY, provide the CITY with copies of the requested records, having redacted records in total on in part that are exempt from disclosure by law or allow the records to be inspected or copied within a reasonable time (with provision of a copy of such records to the CITY) on the same terms and conditions that the CITY would provide the records and at a cost that does not exceed that provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
3. Ensure that records, in part or in total, that are exempt or that are confidential and exempt from disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term and following completion (or earlier termination) of the Agreement if FIRM does not transfer the records to the CITY;
4. Upon completion (or earlier termination) of the Agreement, FIRM shall within 30 days after such event either transfer to the CITY, at no cost, all public records in possession of the FIRM or keep and maintain the public records in compliance with Chapter 119, Florida Statutes. If FIRM transfers all public records to the CITY upon completion (or earlier termination) of the Agreement, FIRM shall destroy any duplicate records that are exempt or confidential and exempt from public records disclosure requirements. If FIRM keeps and maintains public records upon completion (or earlier termination) of the Agreement, FIRM shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the CITY in a format that is compatible with the information technology systems of the agency.

The failure of FIRM to comply with Chapter 119, Florida Statutes, and/or the provisions set forth in this Article shall be grounds for immediate unilateral termination of the Agreement by the CITY; the CITY shall also have the option to withhold compensation due FIRM until records are received as provided herein.

IF FIRM HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO FIRM'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 813-274-8598, JIM.GREINER@TAMPAGOV.NET, AND CONTRACT ADMINISTRATION DEPARTMENT, TAMPA MUNICIPAL OFFICE BUILDING, 4TH FLOOR, 306 E. JACKSON ST. TAMPA, FLORIDA 33602.

XXXII. E-VERIFY

Pursuant to §448.095, Florida Statutes, Firm certifies that it is registered with and uses the U.S. Department of Homeland Security's E-Verify system to verify the US employment eligibility of all of Firm's employees hired by the Firm during the term of this Agreement and/or while performing work or providing services for the City of Tampa. Firm shall require that all subcontractors performing work or providing services on behalf of Firm for the City of Tampa also comply with the requirements of §448.095, Fla. Stat and utilize the E-Verify system to verify US employment eligibility of all employees hired by subcontractor. The Firm shall require for the subcontractor to provide to Firm an affidavit stating that the subcontractor does not employ, contract with or subcontract with an unauthorized alien. Firm shall maintain a copy of such affidavit for the duration of the Agreement.

XXXIII. LABOR

Pursuant to Florida Statutes Section 786.06 (13) effective July 1, 2024, when a contract is executed, renewed, or extended between a nongovernmental entity and a governmental entity, the nongovernmental entity must provide the governmental entity with an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury attesting that the nongovernmental entity does not use coercion for labor or services as defined in this section. For purposes of this subsection, the term "governmental entity" has the same meaning as in s. 287.138(1).

XXXIV. FIRM EMPLOYEES

PURSUANT TO §558.0035, FLORIDA STATUTES, FIRM'S INDIVIDUAL EMPLOYEES AND/OR AGENTS MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE ARISING OUT OF, CONNECTED WITH, OR RESULTING FROM THEIR SERVICES PROVIDED PURSUANT TO THIS AGREEMENT.

[SIGNATURES APPEAR ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the CITY has caused these presents to be executed in its name by its Mayor and attested and its official Seal to be hereunto affixed by its City Clerk, and the FIRM has hereunto set its hand and Seal in TRIPLICATE, the day and year first written above.

FIRM:
HNTB Corporation

By: _____

Print Name: _____

Title: Pres Exec/Sr Vice Pres CEO Gen Partner
 Mgr (Mgr-Mgd LLC) Member (Member-Mgd LLC)
 Other (must attach proof of authority): _____

License no: _____
Use entity Ch 471/481/489 license no; use individual's only if applicable.

[SEAL]

ATTEST:

CITY:
City of Tampa, Florida

By: _____
City Clerk/Deputy City Clerk

[SEAL]

By: _____
Jane Castor, Mayor

APPROVED AS TO FORM:

Justin R. Vaske, Senior Assistant City Attorney

CONSOLIDATED STATE LAW AFFIDAVIT

AFFIDAVIT OF COMPLIANCE WITH CONVICTED VENDOR LIST (PUBLIC ENTITY CRIME) PURSUANT TO SECTION 287.133, FLORIDA STATUTES, PROHIBITION AGAINST CONTRACTING WITH SCRUTINIZED COMPANIES PURSUANT TO SECTION 287.135, FLORIDA STATUTES, PROHIBITION AGAINST HUMAN TRAFFICKING PURSUANT TO SECTION 787.06, FLORIDA STATUTES, COMPLIANCE WITH E-VERIFY PURSUANT TO SECTION 448.095, FLORIDA STATUTES, PROHIBITION AGAINST ECONOMIC INCENTIVES TO FOREIGN COUNTRIES OF CONCERN PURSUANT TO SECTION 288.0071, FLORIDA STATUTES, AND COMPLIANCE WITH FOREIGN COUNTRIES OF CONCERN PURSUANT TO SECTION 287.138, FLORIDA STATUTES.

The undersigned Affiant, on behalf of the Entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Public Entity Crimes

- a. Affiant understands that a "person" or "affiliate" who has been placed on the "convicted vendor list" following a "conviction" for a "public entity crime" (as those terms are defined in Section 287.133, Florida Statutes) for a period of 36 months following the date of being placed on the convicted vendor list, is ineligible to contract with or submit a bid, proposal or reply to contract with the City of Tampa. Entities placed on either the "discriminatory vendor list" or "antitrust vendor list" are ineligible to transact business with the City of Tampa.
- b. Affiant understands and attests that neither Affiant, nor any person or affiliate of the Entity, nor the Entity have been placed on any of the above referenced vendor lists that would render the Entity ineligible to contract with or submit a bid, proposal or reply to contract with the City of Tampa.

2. Scrutinized Companies

- a. Affiant understands that pursuant to Section 287.135(2)(a), Florida Statutes, the Entity would be ineligible to contract with or submit a bid, proposal or reply to contract with the City of Tampa if the Entity is on the "Scrutinized Companies that Boycott Israel List" (created pursuant to Section 215.4725, Florida Statutes) or is engaged in a boycott of Israel. If the value of the contract is one million dollars or more if, at the time of bidding on, submitting a proposal or reply for, or entering into or renewing a contract, the Entity:
 1. Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in Iran Terrorism Sectors List, created pursuant to Section 215.473, Florida Statutes; or
 2. Is engaged in business operations in Cuba or Syria.
- b. Affiant attests that neither Affiant nor the Entity are on the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in Iran Terrorism Sectors List, nor are we engaged in a boycott of Israel, and understand that any resulting contract may be terminated for a falsification of this Affidavit.

3. E-Verify

- a. Affiant understands and attests that pursuant to Section 448.095(5), Florida Statutes, the Entity must comply with Florida's E-Verify law to enter into a contract with the City of Tampa.
- b. The undersigned Entity is registered with and uses the United States Department of Homeland Security's E-Verify system to verify the work authorization status of all new employees.
- c. No public employer has terminated a contract with the Entity pursuant to Section 448.095(5), Florida Statutes, within the year immediately preceding the date of contracting or submitting a bid, proposal or replay to contract with the City of Tampa.
- d. Entity is currently in compliance and will remain in compliance, for the duration of any contract with the City of Tampa, with all requirements of Section 448.095(5), Florida Statutes.
- e. Affiant understands and attests that, if there is a good faith belief that the Entity has knowingly violated Section 448.09(1), Florida Statutes, there is an obligation on the part of the City of Tampa to terminate a contract pursuant to Section 448.095(5), Florida Statutes.
- f. Affiant understands and attests that, if there is a good faith belief that one of Entity's subcontractor(s) has knowingly violated the Section 448.09(1), Florida Statutes, but the Entity has otherwise complied with its obligations thereunder, then the Entity will be required to immediately terminate the contract with the subcontractor in order to continue providing services to the City of Tampa.

4. Anti-Human Trafficking

Affiant hereby understands and attests that the undersigned Entity does not use coercion of labor or services as those terms are defined in section 787.06(13), Florida Statutes.

5. Compliance with Prohibition Against Economic Incentives to Foreign Countries of Concern.

Affiant, on behalf of the Entity attest to the following:

That pursuant to Section 288.0071, F.S, as a condition of this Agreement, the Entity attests to the following: that it is not a foreign entity or a foreign country of concern such as the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro or the Syrian Arab Republic with whom the City is prohibited from contracting with under Florida law.

6. Compliance with Foreign Countries of Concern

Affiant, on behalf of the Entity attest to the following:

- a. Entity is not owned by the government of a foreign country of concern as defined in Section 287.138, Florida Statutes. (Source: § 287.138(2)(a), Florida Statutes.)

- b. The government of a foreign country of concern does not have a controlling interest in Entity. (Source: § 287.138(2)(b), Florida Statutes.)
- c. Entity is not organized under the laws of, and does not have a principal place of business in a foreign country of concern. (Source: § 287.138(2)(c), Florida Statutes.)

The undersigned is authorized to execute this Affidavit on behalf of Entity.

The undersigned further sayeth naught.

Date: 7/3/2025 (Affiant) Signed: Leonard C Becker

Entity: HNTB Corporation Name: Leonard Becker

Title: Sr. Vice President

STATE OF Florida
 COUNTY OF Hillsborough

SWORN to (or affirmed) and subscribed before me, by means of physical presence or online notarization, this 3rd day of July, 2025 by Leonard Becker, as Sr. Vice President, who is personally known to me or who has produced _____ as identification.

[AFFIX NOTARY SEAL/STAMP]



S Goodland

Signature of Notary

Name: Savannah Goodland

(Print or Type Name)

Notary Public: State of Florida

My Commission Expires 1/10/26

June 26, 2025

EXHIBIT A

SCOPE OF SERVICES

FOR

24-D-00018: MacDill Air Force Base Access Improvements Project

CIP# 1002630

FINANCIAL PROJECT ID(S) ***453236-1-54-01***

City of Tampa

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SCOPE OF SERVICES FOR PROJECT DESIGN SERVICES

ROADWAY DESIGN

This Exhibit forms an integral part of the agreement between the City of Tampa (hereinafter referred to as the **CITY**) and HNTB Corporation (hereinafter referred to as the **FIRM**) relative to the transportation facility described as follows:

FINANCIAL PROJECT ID: **45326-1-54-01**

City of Tampa Contract.: **24-D-00018**

CIP Number: **1002630**

Roadways Segments:

Roadway Name	Segment	From	To	Scope
Interbay Blvd.	01	West Shore Blvd.	Manhattan Ave.	Widening/ Resurfacing
Interbay Blvd.	02	Manhattan Ave.	Dale Mabry Hwy.	Widening/ Resurfacing
Interbay Blvd.	03	Dale Mabry Hwy.	Bayshore Blvd.	Reconstruction
Interbay Blvd.	04	Dale Mabry Hwy.	Dale Mabry Hwy.	Widening/ Resurfacing

Project Description: **MacDill Air Force Base Access Improvements (PROJECT)**

Bridge No(s): **N/A**

Railroad Crossing No: **626368J**

Lead Agency: **City of Tampa**

Context Classification: **C4**

1. PURPOSE AND PROJECT DESCRIPTION

FIRM to prepare a set of contract documents including plans, specifications, supporting engineering analysis, calculations and other technical documents in accordance with CITY policy, procedures and requirements. The FIRM shall follow a systems engineering process to ensure that all required PROJECT components are included in the development of the contract documents and the PROJECT can be built as designed and to specifications.

The Scope of Services establishes which items of work in the Florida Department of Transportation (FDOT) Design Manual and other pertinent manuals are specifically prescribed to accomplish the work included in this contract, and also indicates which items of work will be the responsibility of the FIRM and/or the CITY.

The FIRM shall demonstrate good project management practices while working on this PROJECT. These include communication with the CITY and others as necessary, management of time and resources, and documentation. The FIRM shall set up and maintain throughout the design of the PROJECT a contract file in accordance with CITY procedures. FIRM is expected to know the laws and rules governing the professions and are expected to provide services in accordance with current regulations, codes, ordinances, and recognized standards applicable to such professional services. The FIRM shall provide qualified technical and professional personnel to perform to CITY standards and procedures, the duties and responsibilities assigned under the terms of this agreement. The FIRM shall minimize to the maximum extent possible the CITY's need to apply its own resources to assignments authorized by the CITY.

The CITY will provide contract administration, management services and technical reviews of all work associated with the development and preparation of contract documents, including construction documents. The CITY's technical reviews are for high-level conformance and are not meant to be comprehensive reviews. The FIRM shall be fully responsible for all work performed and work products developed under this Scope of Services. The CITY may provide job-specific information and/or functions as outlined in this contract, if favorable.

The CITY will provide contract administration, management services, and technical reviews of all work associated with the development and approval of the environmental document, and the development and preparation of contract documents, including construction documents. The CITY's technical reviews are for high level conformance and are not meant to be comprehensive reviews. The FIRM shall be fully responsible for all work performed and work products developed under this Scope of Services. The CITY may provide job specific information and/or functions as outlined in this Scope of Services.

1.1. PROJECT DESCRIPTION

MacDill Air Force Base Access Improvements Project

The PROJECT consists of designing roadway improvements to relieve congestion, improve safety, and provide for bike/pedestrian connectivity along **Interbay Blvd. from West Shore Blvd. to Bayshore Blvd.** Design alternatives include:

Roadway Name	Segment	From	To	Scope
Interbay Blvd.	01	West Shore Blvd.	500 ft West of Manhattan Ave.	Widening/ Resurfacing
Interbay Blvd.	02	500 ft West of Manhattan Ave.	Dale Mabry Hwy.	Widening/ Resurfacing
Interbay Blvd.	03	Dale Mabry Hwy.	Bayshore Blvd.	Reconstruction
Interbay Blvd.	04	Dale Mabry Hwy.	Dale Mabry Hwy.	Widening/ Resurfacing

Segment 1:

- *Widening east side of West Shore Blvd. to accommodate SB left turn lane*
- *Widening north side of Interbay Blvd. to accommodate WB right turn lane*
- *Resurfacing all roadways*
- *Fill in sidewalks gaps and add curb ramps per PROWAG standards*
- *Add up to two (2) midblock crossings at locations coordinated with the City*

Segment 2:

- *Manhattan Ave. Intersection:*
 - *Intersection improvements at Manhattan Ave. to include EB left turn, SB left turn, and an EB right turn lane at the Tanker Way Intersection*
 - *Connection of the existing trail on the east side of Manhattan Avenue*
 - *Not included: design of features on Manhattan Ave. south of the Manhattan Ave. and Interbay Blvd. Intersection, new signalization*
- *Addition of a 10-12ft multi-use trail/widewalk on the north side of the roadway*
- *Widening Interbay Blvd. to accommodate two-way left turn lane*
- *Resurfacing all roadways and cross slope correction*
- *Fill in sidewalks gaps and add curb ramps per PROWAG standards*
- *Add up to two (3) midblock crossings at locations coordinated with the City*

Segment 3:

- *Resurfacing all roadways, including pavement reconstruction through deeper mill and resurfacing or full depth reclamation (FDR)*
- *Fill in sidewalks gaps and add curb ramps per PROWAG standards*
- *Add up to two (2) midblock crossings at locations coordinated with the City*

Segment 4:

- *Dale Mabry Hwy. Intersection:*
 - *Widening north side of Interbay Blvd. to accommodate WB right turn lane*
 - *Resurfacing Interbay Blvd. within limits of construction*
 - *Fill in sidewalks gaps and add curb ramps per PROWAG standards*

The FIRM will design, generate and deliver this PROJECT using the CITY's current native Autodesk AutoCAD Civil 3D version only. Conversions from other CADD software will not be accepted. The CITY follows the standard guidelines developed by the FDOT with the exception that the CITY does not support the Bentley MicroStation DGN format. See <https://www.fdot.gov/cadd/default.shtm> for current version of acceptable AutoCAD software, including a "FDOT C3D & AutoCAD State Kit Software". The PROJECT shall be designed, delivered and signed and sealed in compliance with these standards, following the FDOT CADD Manual located at

<https://www.fdot.gov/cadd/downloads/publications/caddmanualfdm/default.shtm>.

1.2. PROJECT GENERAL (ACTIVITIES 2, 3, AND 4)

Public Involvement:

Cap Level: **3**

Public Meetings: **Two (2)**

- *One (1) Hybrid Public Input Meeting*
- *One (1) Hybrid Public Information Meeting*

Joint Project Agreements: **SFGA**

Specification Package Preparation: **Standard**

Plan Type: **Plan and Profile within limits of widening; Plan only in all other areas.**

Typical Section:

Number of Typical Sections: **Eleven (11)**

- *The typical section varies throughout the PROJECT. For Segment 1, Three (3) typical sections are needed: Two (2) for the widenings of both West Shore Blvd. and Interbay Blvd., respectively; and One (1) for the milling and resurfacing operation on Interbay Blvd. For Segment 2, Five (5) typical sections are needed: Two (2) for the widenings of both Manhattan Ave. and Interbay Blvd., respectively, at the intersection; One (1) at the Tanker Way widening; and Two (2) for various Interbay Blvd. widening. For Segment 3, One (1) typical section is needed for the milling/FDR operation. For Segment 4, Two (2) typical sections are needed for the widening of each approach of Interbay Blvd. to Dale Mabry Highway.*

Pavement Designs:

Number of Pavement Designs: **Five (5)**

- **Five (5) Pavement Designs are proposed:**

- *Widening Pavement Design for all segments*
- *Mill and Resurface Pavement Design for Segment 1 (Overlaid Clay Brick)*
- *Mill and Resurface Pavement Design for Segment 2*
- *Overbuild Pavement Design for Segment 2*
- *Deep Mill/FDR Pavement Design for Segment 3*

Cross Slope Correction: **One (1)**

- One (1) Cross slope corrections concepts required for widened sections

Level of Temporary Traffic Control Plan (TTCP):

The FIRM shall develop Level 2 Temporary Traffic Control Plans (TTCP) for this PROJECT.

Design Variations: **Two (2) anticipated.** (See Activity 3.13 Design Variations and Exceptions)

- *Base Clearance*
- *Shared Use Path Width*

Back of Sidewalk Profiles: **One (1)**

Number of Back of Sidewalk Profiles: **One (1) for Shared Use Path/Widewalk**

1.3. DRAINAGE (ACTIVITY 5A AND 5B)

Drainage System Type: The FIRM shall develop and final design of a stormwater management system including but not limited to open conveyance ditches and swales, closed storm sewer systems, cross drains, retention/detention ponds, exfiltration systems and floodplain compensation sites as required to satisfy the regulations and criteria of the CITY and permitting agencies. The stormwater management systems shall be accurately depicted in the contract documents to the extent required for successful implementation by the contractor.

The proposed drainage system will be a combination of open conveyance ditches with closed system underneath (drainage structures and pipe) with ponds and floodplain involvement. In the reconstruction segment, the conveyance system will be designed and will convey runoff to the ponds. In the RRR segment, the project either (i) has existing roadside swales, or (ii) has no drainage conveyance along the roadside; therefore, these conditions shall remain as-is and the drainage improvements are not included as part of this Scope of Services.

Number of stormwater management facility sites: 3

Number of cross drains: 2

Location Hydraulics: 2

1.4. UTILITIES COORDINATION (ACTIVITY 6)

The FIRM is responsible for certifying that all necessary arrangements for utility work on this PROJECT have been made and will not conflict with the physical construction schedule. The FIRM will assist the CITY personnel to coordinate transmittals to Utility Companies and meet production schedules.

The FIRM shall ensure CITY and applicable FDOT standards, policies, procedures, practices, and design criteria are followed concerning utility coordination.

The FIRM shall provide utility coordination and engineering design expertise. The FIRM shall identify a dedicated person responsible for managing all utility coordination activities. The FIRM shall provide all utility coordination, including:

- Assuring that Utility Coordination and accommodation is in accordance with the FDOT, Federal Highway Administration (FHWA), and American Association of State Highway and Transportation Officials (AASHTO) standards, policies, procedures, and design criteria.
- Assisting the Engineer of Record (EOR) in identifying all existing utilities and coordinating any new installations. Assisting the EOR with resolving utility conflicts, including new services (power, water, sewer, communications, etc.) serving CITY owned facilities.
- Scheduling and performing utility coordination meetings, keeping and distribution of minutes/action items of all utility meetings, and ensuring expedient follow-up on all unresolved issues.
- Distributing all plans, conflict matrices and changes to affected utility owners, and making sure this information is properly coordinated and documented.
- Identifying and coordinating the completion of any CITY or utility owner agreement that is required for reimbursement, or accommodation of the utility facilities associated with the PROJECT.
- Reviewing and certifying to the CITY that all Utility Work Schedules are correct and in accordance with the CITY's and FDOT's standards, policies, and procedures.
- Preparing, reviewing and processing all utility related reimbursable paperwork inclusive of betterment and salvage determinations.
- Expected Utilities:
 - AT&T
 - CenturyLink/Lumen/ Level 3
 - City of Tampa Water

- *City of Tampa Sewer*
- *Fiberlight*
- *Frontier*
- *MCI*
- *Spectrum Sunshine State LLC*
- *Tampa Airport Pipeline*
- *Tampa Electric*
- *TECO Peoples Gas*
- *Transcore (FDOT ITS/ATMS)*
- *Uniti Fiber*
- *Zayo Communications*

The FIRM shall review the draft Utility Work Schedules submitted prior to sending to the CITY for acceptance. The FIRM shall sign all Utility Work Schedules.

1.5. ENVIRONMENTAL PERMITS AND ENVIRONMENTAL CLEARANCES (ACTIVITY 7)

Expected Permits:

CRAS & ESA

Permits are anticipated from the United States Army Corps of Engineers (USACOE), the Southwest Florida Water Management District (SWFWMD) and the Florida Department of Environmental Protection (FDEP).

1.6. SIGNING AND PAVEMENT MARKINGS (ACTIVITIES 9 & 10)

1.7. SIGNALIZATION (ACTIVITIES 11 & 12)

Intersections:

- *West Shore Blvd. and Interbay Blvd.*

Traffic Data Collection:

- *8-Hour Turning movement counts at the following intersections:*
- *West Shore Blvd. and Interbay Blvd.*
- *Interbay Blvd. and Manhattan Ave.*

Traffic Studies:

The FIRM shall prepare a PROJECT Traffic Analysis Report (PTAR) that includes a development of existing and design year traffic to determine if the proposed improvements can accommodate existing and design year traffic needs. The FIRM will make

recommendations for right turn lanes within the PROJECT limits based upon the warranting volumes and conditions outlined in the FDOT's Driveway Information Handbook. The FIRM will make recommendations for left turn storage lengths at intersection including queue, braking distance, and taper length. The FIRM will conduct AutoTURN analysis to ensure truck movements per the CITY's guidelines.

1.8. LANDSCAPE (ACTIVITY 13)

The FIRM will provide Tree Removal and Disposition tables per the CITY's Urban Forestry Standards. Additionally, the FIRM shall provide the following plans and related specifications to the CITY

1.9. SURVEY (ACTIVITY 14)

Design Survey:

CITY shall provide Survey Control Points (Horizontal/Vertical).

CITY shall provide existing Topographic Survey performed by others.

FIRM shall supply supplemental Topographic Survey in areas where needed due to changes of the existing terrain or new development.

Subsurface Utility Exploration:

SUE all locations that include new underground infrastructure or earthwork excavation (i.e., drilled shafts, bridge piles, strain poles, mast arms, miscellaneous foundations, drainage structures, pipe culverts, new ditches, etc.) in areas that work will be performed.

Right of Way Survey:

CITY shall provide completed Right of Way Survey.

1.10. MAPPING (ACTIVITY 14)

Control Survey Map:

City to provide.

Right of Way Map:

City to provide.

Legal Descriptions:

City to provide.

1.11. GEOTECHNICAL (ACTIVITY 15)

The FIRM shall be responsible for all Geotechnical services for the PROJECT. Activities include Develop Detailed Boring Location Plan, Seasonal High-Water Table, Pavement Condition Survey and Pavement Evaluation Report, Soil and Rock Classification, and developing a summary report of findings. All work performed by the FIRM shall be in accordance with CITY standards

1.12. 3D MODELING (ACTIVITY 4)

FIRM shall model the improvements into a three-dimensional corridor model where needed for cross-sectional purposes. The PROJECT shall be modeled using Autodesk AutoCAD Civil 3D.

1.13. PROJECT SCHEDULE

Within ten (10) days after the Notice-To-Proceed, and prior to the FIRM beginning work, the FIRM shall provide a detailed PROJECT activity/event schedule for CITY and FIRM scheduled activities required to meet the current CITY and/or FDOT Production Date. For the purpose of scheduling, the FIRM shall allow for a four-week review time for each phase submittal, Environmental Document, and any other submittals as appropriate.

The schedule shall indicate, at a minimum, proposed dates for Public Hearing, All Phase plans, and all other appropriate milestones and required submittals.

Periodically, throughout the life of the contract, the PROJECT schedule may be reviewed and, with the approval of the CITY, adjusted as necessary to incorporate changes in the Scope of Services and progress to date.

The approved schedule and progress status report shall be submitted with the monthly progress report.

1.14. SUBMITTALS

The FIRM shall submit all deliverables to the CITY electronically in Portable Document Format (PDF), unless notified by the CITY's Project Manager. Design files shall be submitted at Phase I and beyond. For each submittal, the FIRM shall include a Transmittal Memorandum that includes, at a minimum, the file name of each PDF file as well as the number of hardcopies (if any) as directed by the CITY's Project Manager.

FIRM shall provide the following Phase Submittals:

PRELIMINARY CONCEPT PLANS

- *Line and Grade showing any alternatives*
- *Planning level cost estimates using FDOT Cost Per Mile Models*
- *Pavement Design Package*
- *Typical Section Package*

PHASE II

- *Submittal per FDOT FDM standards*
- *Cost Estimate using FDOT Statewide Averages*

PHASE IV

- *Submittal per FDOT FDM standards*

- *Cost Estimate using FDOT Statewide Averages and applicable CITY Unit Costs*

PHASE V FINAL PLANS

- *Submittal per FDOT FDM standards*
- *Cost Estimate using FDOT Statewide Averages and applicable CITY Unit Costs*

1.15. PROVISIONS FOR WORK

The services performed by the FIRM must comply with all applicable CITY's manuals, procedure, policies, and guidelines. Specifically, the FIRM must comply with the City of Tampa's Transportation Technical Manual, the FDOT Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways (Florida Greenbook), FDOT Standard Plans, and FDOT Flexible Pavement Design Manual (FPDM). The CITY's manuals and guidelines incorporate, by requirement or reference, all applicable federal and state laws, regulations, and Executive Orders. The FIRM will use the latest editions of the manuals, procedures, and guidelines to perform work for this PROJECT.

All work shall be prepared with English units (unless otherwise specified) in accordance with the latest editions of standards and requirements utilized by the CITY.

1.16. SERVICES TO BE PERFORMED BY THE CITY

When appropriate or available, the CITY will provide PROJECT data including:

- Numbers for field books.
- Preliminary Horizontal Network Control.
- Access for the FIRM to utilize the CITY's Information Technology Resources.
- All CITY agreements with Utility Agency Owner (UAO).
- All certifications necessary for PROJECT letting.
- All information that may come to the CITY pertaining to future improvements.
- All future information that may come to the CITY during the term of the FIRM's Agreement, which in the opinion of the CITY is necessary for the prosecution of the work.
- Available traffic and planning data.
- All approved utility relocations.
- Any necessary title searches.
- Engineering standards review services.
- All available information in the possession of the CITY pertaining to utility companies whose facilities may be affected by the proposed construction.
- All future information that may come to the CITY pertaining to subdivision plans so that the FIRM may take advantage of additional areas that can be utilized as part of the existing right of way.
- Project traffic for Design Year, with K, D, and T factors.
- Previously constructed Highway Beautification or Landscape Construction Plans.
- Landscape Opportunity Plan(s).
- Existing right of way maps.
- Existing cross slope data for all RRR projects.
- Existing pavement evaluation report for all RRR projects.
- Design Reports.

- Letters of authorization designating the FIRM as an agent of the CITY in accordance with F.S. 337.274.
- Phase reviews of plans and engineering documents.
- Regarding Environmental Permitting Services:
- Approved Permit Document when available, and Approval of all contacts with environmental agencies.
- General philosophies and guidelines of the CITY to be used in the fulfillment of this contract. Objectives, constraints, budgetary limitations, and time constraints will be completely defined by the Project Manager.
- Appropriate signatures on application forms.
- Crash data.
- Traffic counts.
- Review of technical reports and Environmental Document.
- Right of way cost estimates.

2. PROJECT COMMON AND PROJECT GENERAL TASKS

2.1. PROJECT COMMON TASKS

Project Common Tasks, as listed below, are work efforts that are applicable to many Project activities, 3 ROADWAY ANALYSIS through 15 GEOTECHNICAL. These tasks are to be included in the PROJECT scope in each applicable activity when the described work is to be performed by the FIRM.

Cost Estimates: The FIRM is responsible for producing a construction cost estimate and reviewing and updating the cost estimate when scope changes occur and/or at milestones of the PROJECT. For Preliminary Submittal, FIRM will provide concept level cost estimate using FDOT Cost Per Mile Models. Starting in Phase II, the FIRM will use the FDOT's Statewide Averages to develop Engineer's Estimate cost estimates. The CITY will provide right of way cost for use in the comparison of alternatives. For Phase IV and V submittals, the FIRM will provide an Engineer's Estimate using FDOT Statewide Averages, as well one with applicable CITY unit costs.

Construction Duration: The FIRM shall develop an estimate of construction contract duration based on FDOT guidelines. This estimate shall be based on quantities per Temporary Traffic Control Plan (TTCP) phase and submitted to the CITY with the 100% submittal.

Technical Special Provisions: The FIRM shall provide Technical Special Provisions for all items of work not covered in the Standard Specifications for Road and Bridge Construction and the workbook of implemented modifications.

A Technical Special Provision shall not modify the Standard Specifications and implemented modifications in any way.

The Technical Special Provisions shall provide a description of work, materials, equipment and specific requirements, method of measurement and basis of payment. Final Technical Special Provisions shall be digitally signed and sealed in accordance with applicable Florida Statutes.

Field Reviews: The FIRM shall make as many trips to the PROJECT site as required to obtain necessary data for all elements of the PROJECT. Anticipated field visits include preliminary, Phase II/III, and plans in hand review.

Technical Meetings: The FIRM shall attend all technical meetings necessary to execute the Scope of Services of this contract. This includes meetings with CITY and/or Agency staff, between disciplines and subconsultants such as environmental resource agencies meetings, access management meetings, pavement design meetings, local governments meetings, railroads coordination meetings, airports coordination meetings, progress review meetings (phase review), and miscellaneous meetings. The FIRM shall prepare, and submit to the CITY's Project Manager for review, the meeting minutes for all meetings attended by them. The meeting minutes are due within five (5) working days of attending the meeting.

Quality Assurance/Quality Control: It is the intention of the CITY that the FIRM, including their subconsultant(s), are held responsible for their work, including plans review. The purpose of FIRM plan reviews is to ensure that contract plans are prepared in accordance with the plan preparation procedures outlined in the FDOT Design Manual. All subconsultant document submittals shall be submitted by the subconsultant directly to the FIRM for their independent Quality Assurance/Quality Control review and subsequent submittal to the CITY.

It is the FIRM's responsibility to independently and continually QC their plans, Environmental Document, and other deliverables. The FIRM should regularly communicate with the CITY's Project Manager to discuss and resolve issues or solicit opinions from those within designated areas of expertise.

The FIRM shall be responsible for the professional quality, technical accuracy and coordination of all technical reports, surveys, designs, drawings, specifications and other services furnished by the FIRM and their subconsultant(s) under this contract. The FIRM will independently and continually review deliverables for accuracy and completeness.

The FIRM shall provide a Quality Control Plan that describes the procedures to be utilized to verify, independently check, and review the Environmental Document, technical reports, maps, design drawings, specifications, and other documentation prepared as a part of the contract. The FIRM shall describe how the checking and review processes are to be documented to verify that the required procedures were followed. The Quality Control Plan shall be one specifically designed for the PROJECT. The FIRM shall submit a Quality Control Plan for approval within twenty (20) business days of the written Notice to Proceed and it shall be signed by the FIRM's Project Manager and the FIRM's QC Manager. The Quality Control Plan shall include the names of the FIRM's staff that will perform the quality control reviews. The Quality Control reviewer for engineering reports and design plans shall be a Florida Licensed Professional Engineer, Landscape Architect, or Professional Surveyor and Mapper fully prequalified under F.A.C. 14-75, F.A.C 5J-17, or 61G10-15.001 in the work type being reviewed. A marked-up set of prints from a Quality Control Review indicating the reviewers for each component (PD&E, structures, roadway, drainage, signals, geotechnical, signing and marking, lighting, landscape, surveys, etc.) and a written resolution of comments on a point-by-point basis will be required, if requested by the CITY, with each submittal.

The FIRM shall, without additional compensation, correct all errors or deficiencies in the environmental document, designs, maps, drawings, specifications and/or other products and services.

Supervision: The FIRM shall supervise all technical design activities.

Coordination: The FIRM shall coordinate with all disciplines of the PROJECT to produce a final set of construction documents.

2.2. PROJECT GENERAL TASKS

Project General Tasks, described in Sections 2.2.1 through 2.2.9, represent work efforts that are applicable to the PROJECT as a whole and not to any one or more specific PROJECT activity. The work described in these tasks shall be performed by the FIRM when included in the PROJECT scope.

2.2.1. JOINT PROJECT AGREEMENTS

When the Joint Project Agreement (JPA) deliverable is not prepared by the FIRM, services may include all coordination, meetings, etc., required to ensure compatibility, include JPA documents in the contract plans package and include the JPA documents in the digital delivery package.

2.2.2. SPECIFICATIONS & ESTIMATES

2.2.2.A. SPECIFICATIONS PACKAGE PREPARATION

The FIRM shall prepare and provide a specifications package in accordance with the CITY's Requirements. The Specifications Package shall be prepared using the FDOT's Standard Specifications on the web application. The FIRM shall be able to document that the procedure defined in the Handbook for the Preparation of Specifications Packages is followed, which includes the quality assurance/quality control procedures. The specifications package shall address all items and areas of work and include any Mandatory Specifications, Modified Special Provisions, and Technical Special Provisions.

The FIRM shall coordinate with the CITY on the submittal requirements, but at a minimum, shall consist of (1) the complete specifications package, (2) a copy of the marked-up workbook used to prepare the package, and (3) a copy of the final PROJECT plans.

Final submittal of the specifications package must occur at least 30 working days prior to the contract package due date. This submittal shall be digitally signed, dated, and sealed in accordance with applicable Florida Statutes.

2.2.3. CONTRACT MANAGEMENT

The FIRM is responsible for maintaining PROJECT files, including copies of submittals and underlying data, electronic folders and documents, calculations, information and supporting documentation. The FIRM is responsible for preparing monthly progress reports and schedule updates. PROJECT documentation includes the compilation and delivery of final documents, reports or calculations that support the development of the contract plans.

2.2.4. PRIME FIRM PROJECT MANAGER MEETINGS

Includes only the FIRM Project Manager's time for travel and attendance at Activity Technical Meetings and other meetings listed in the meeting summary for Task 2.2- PROJECT GENERAL TASKS of the staff hour forms. Staff hours for other personnel attending Activity Technical Meetings are included in the meeting task for that specific Activity.

For all meetings attended, the FIRM will be responsible for developing the agenda, sign-in sheets and preparation and submittal of the meeting minutes to the CITY's Project Manager for review.

2.2.5. POST DESIGN SERVICES

Post Design Services may include, but are not limited to, meetings, site visits, construction assistance, plans revisions, shop drawing review, survey services, as-built drawings, and load ratings. Specific services will be defined and negotiated as necessary as a contract amendment.

Post Design Services are not intended for instances of FIRM errors or omissions.

2.2.6. DIGITAL DELIVERY

As directed by the CITY, the FIRM will upload all final submittals and appropriate PROJECT files that support the Environmental Document to the StateWide Environmental PROJECT Tracker (SWEPT).

The FIRM shall deliver final contract plans and documents in digital format. The final contract plans and documents shall be digitally signed and sealed files delivered to the CITY on acceptable electronic media, as determined by the CITY.

2.2.7. RAILROAD, TRANSIT AND/OR AIRPORT COORDINATION

Railroad

FIRM will initiate coordination with the Railroad Company and local government regarding highway-railroad grade crossing.

Transit

FIRM will initiate coordination with Hillsborough Area Regional Transit (HART) and local government regarding locations of existing bus stops and possible relocations.

2.2.8. PROJECT LANDSCAPE AND EXISTING VEGETATION COORDINATION

Coordinate to ensure preservation and protection of existing vegetation. Relocation of existing vegetation may be necessary in some cases. Space for proposed landscape should be preserved and conflicts with drainage, utilities, ITS, and signage should be minimized. Coordination with the CITY Landscape Architect may be necessary as defined in 1.8.

2.2.9. OTHER PROJECT GENERAL TASKS

The FIRM shall also identify LAP participating and non-participating (i.e. – eligible/ineligible) quantities during the design effort. This task is to ensure the FDOT and LAP coordination required. Two (2) initial coordination meetings are assumed in this task.

This task includes the development of necessary bid documents and includes the preparation and checklist review of required LAP certification criteria for this design PROJECT. Other miscellaneous assignments directed by the CITY will be provided in this task so that the PROJECT remains LAP eligible. Coordination meetings and follow-up activities are assumed.

2.3. PUBLIC INVOLVEMENT

Public involvement includes communicating to and receiving input from all interested persons, groups, and government organizations information regarding the development of the PROJECT. The FIRM shall provide to the CITY drafts of all Public Involvement documents (e.g., newsletters, property owner letters, advertisements, etc.) associated with the following tasks for review and approval at least five (5) business days prior to printing and/or distribution.

2.3.1. PUBLIC INVOLVEMENT PLAN

The FIRM will prepare a Community Awareness Plan (CAP) using existing work developed by the CITY as a starting reference. The objective of the plan is to notify local governments, affected property owners, tenants, and the public of the CITY'S proposed construction and the anticipated impact of that construction. The CAP shall address timeframes for each review and shall include tentative dates for each public involvement requirement for the PROJECT. The CAP will also document all public involvement activities conducted throughout the PROJECT's duration. In addition to the benefits of advance notification, the process should allow the CITY to resolve controversial issues during the design phase.

The CAP should be updated throughout the Design for use during the construction phase in accordance with CITY standards. At the conclusion of the PD&E phase, the FIRM will update the CAP to include the following:

- Community concerns/issues.
- Discussion of construction schedule and TTCP.
- Public involvement level.
- Proposed public involvement activities during construction.

2.3.2. PUBLIC INVOLVEMENT DATA COLLECTION

The FIRM will assist the CITY in collecting data specific to the public involvement process and preparing responses to any public inquiries received throughout the development of the PROJECT. The FIRM will maintain and regularly update the public involvement file, which will document a record of all public involvement activities for the PROJECT.

The CITY will generate or obtain mailing labels of property owners. The CITY shall identify and include in the PROJECT mailing list all impacted property owners and tenants located within a minimum of 300 feet of either side of the centerline of each PROJECT alternative. The CITY also will identify and include in the PROJECT mailing list local elected and appointed public officials; interested parties (any person or institution expressing an interest in the PROJECT); local citizens who may be impacted by the PROJECT; and potential permit and review agencies.

2.3.3. SCHEDULED PUBLIC MEETINGS

The FIRM will assist the CITY in conducting various public meetings, which may be conducted during weekends or after normal working hours. The FIRM will support the CITY in preparation, scheduling, attendance, note taking, documentation, and follow-up services for each meeting.

It is estimated there will be two (2) public meetings during the development of the PROJECT. The following public meetings are anticipated to be scheduled to support the design phase for this PROJECT:

- ***Public Input Meeting or Corridor Workshops following Concept Plans Submittal***
- ***Public Information Meetings following Phase II or Phase IV Submittal***

The CITY will investigate potential meeting locations and will ultimately approve the meeting location. The CITY will pay the cost for renting meeting venue and insurance (if required).

The CITY will prepare public meeting notifications and perform the mailout. The CITY will also prepare public meeting notification signs and will place them in strategic locations around the project corridor and meeting location.

For any of the listed meetings, the FIRM will prepare the following:

- **Checking calendars (to ensure no conflicts with agency meetings, elections, holidays, etc.)**
- **Agenda.**
- **PowerPoint slides and presentation scripts.**
- **Handouts.**
- **Graphics (creative design exhibits) for presentation.**
- **News releases and project fact sheets. The CITY must review news releases and fact sheets at least two (2) weeks before the meeting or mail out.**
- **Meeting summaries provided to the CITY no later than five (5) business days after the meeting.**
- **Response letters for CITY signature on public comments.**

Any materials prepared by the FIRM for such meetings as listed above are subject to review and approval by the CITY. The FIRM shall provide the CITY with a draft of any proposed materials at least two (2) weeks prior to the meeting.

The FIRM will assist the CITY when facilitating the public meetings or workshops to present PROJECT results and obtain comments related to the PROJECT. The FIRM will attend such meetings or workshops with a suitable number of personnel with appropriate technical expertise (based on PROJECT issues), as authorized by the CITY Project Manager.

The FIRM will participate in briefing meetings with the CITY staff related to the scheduled public meetings.

The CITY may request the FIRM to identify the effect of the PROJECT to individual properties on aerial maps or plans in response to requests from property owners. The CITY may also request the FIRM to meet with individual property owners with CITY representative in attendance as well.

2.3.4. OTHER PUBLIC AND AGENCY MEETINGS OR INFORMAL MEETINGS

In addition to scheduled public meetings the FIRM may be required to participate in meetings with local governing authorities, Metropolitan Planning Organization (MPO), environmental resources agencies, Homeowner Associations, and Key Stakeholders. The FIRM's participation may include, but not be limited to, presentations during the meeting, note taking, and summarizing the meeting in a memo to the file. It is estimated that there will be **three (3) one-hour meetings** with agencies for Design phases for the PROJECT.

2.3.5. COMMUNICATION AIDS

The FIRM shall prepare materials to be used in the following communication aids:

- **Rendering and Fly Throughs: The FIRM shall prepare renderings or flythroughs for use in public meetings.**
- **Frequently Asked Questions (FAQs): The FIRM shall prepare FAQs for use in various public involvement activities per the CITY direction.**

2.3.6. ADDITIONAL PUBLIC INVOLVEMENT REQUIREMENTS

The FIRM will assist the CITY on the following public involvement tasks:

Three (3) one-hour stakeholder engagement meetings with Port Tampa Bay or MacDill Airforce Base.

3. ROADWAY ANALYSIS

The FIRM shall analyze and document Roadway Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

3.1. PRELIMINARY ENGINEERING ANALYSIS

The FIRM shall perform preliminary engineering and environmental analysis tasks required to obtain the approval of the Environmental Document in accordance and all applicable procedures and guidelines.

3.1.1. EXISTING CONDITIONS

3.1.1.A. PREVIOUS STUDIES

The FIRM shall review and summarize previously completed or concurrent planning studies and other studies that are related to the PROJECT and appropriately incorporate their results in the analysis of the PROJECT.

The following studies were conducted for this PROJECT: ***Interbay Boulevard Feasibility Report (April 2022), Interbay Boulevard Traffic Operations Report (February 2022), and the City of Tampa 2045 Comprehensive Plan Update.***

The FIRM will review the adequacy of existing traffic data from planning studies to carry out traffic analysis for the PROJECT. If there are data gaps, the FIRM must collect additional data for the study area.

The FIRM will review and document the location and condition of existing pedestrian, bicycle, and public transit accommodations and freight services in the study area. This activity includes reviewing existing plans, reports, and studies that outline strategies or define PROJECTs associated with each alternative

3.1.1.B. EXISTING CONDITIONS ANALYSIS

The FIRM will conduct field observations to determine existing field conditions, verify desktop data, and obtain additional data required to understand the PROJECT area, assess PROJECT needs, identify physical and environmental constraints, develop and analyze PROJECT alternatives, and assess constructability issues.

The FIRM will collect data describing existing conditions and characteristics of the PROJECT including roadway geometrics, typical section elements, signalization, other operational features, access features, and right of way requirements, and other data applicable to modes and sub-modes of transportation including walking/pedestrians, bicyclists, public transit users (including transit vehicles and riders), paratransit users, freight (including loading/unloading and parking, emergency response vehicles, service vehicles, and freight handler vehicles).

The FIRM will analyze the existing conditions to identify and verify current transportation deficiencies as they relate to the needs and objectives of the PROJECT.

3.1.2. TRAVEL DEMAND FORECASTING

The Future Year Traffic Volumes will be provided by the CITY.

3.1.3. TRAFFIC ANALYSIS

The FIRM shall collect traffic data for existing conditions, and analyze safety and operational characteristics of the PROJECT alternatives according to the CITY procedures.

3.1.3.A. TRAFFIC ANALYSIS METHODOLOGY

The FIRM will perform traffic analysis in accordance with guidance from the Traffic Analysis Handbook, and Project Traffic Forecasting Handbook. The FIRM will prepare a Project traffic forecast and analysis methodology as agreed upon by the CITY prior to beginning any analysis. The methodology will state the type of documentation required, define the PROJECT study area to be analyzed, and identify methods and assumptions that will be used to analyze existing and future traffic conditions.

Capacity analysis will be based on the latest Highway Capacity Manual (HCM) procedures implemented by the current Synchro Software package. Use of micro-simulation traffic analysis software (such as SimTraffic or Vissim) is not anticipated for this PROJECT. Synchro model calibration will be conducted consistent with the FDOT's current Traffic Analysis Handbook guidance.

Traffic analysis methodology will include an approach or procedure to evaluate safety performance of the PROJECT alternatives. The latest complete five years of historical crash data will be obtained from Signal Four Analytics and summarized. HSM methodologies will be used to assess design year safety in No-Build and Build conditions.

All traffic analysis documentation will be written in plain language and in a format that can be easily followed. The FIRM will submit all traffic analysis files such as assumptions, inputs, outputs, network data, calculation, and results to the CITY.

3.2. DESIGN CONTROLS AND CRITERIA

The FIRM shall prepare design controls and criteria for developing PROJECT alternatives and designing roadway geometric and other roadway elements according to the CITY standards.

3.3. TYPICAL SECTION

3.3.1. TYPICAL SECTION ANALYSIS

The FIRM will develop conceptual typical sections for the PROJECT alternatives which address PROJECT purpose and needs and roadway context classification. Development of typical sections must consider Context Sensitive Solutions and Complete Streets approaches and the needs of all PROJECT users.

3.3.2. TYPICAL SECTION PACKAGE

The FIRM shall prepare a *Typical Section Package*.

3.4. PAVEMENT DESIGN PACKAGE

The FIRM shall prepare a *Pavement Design Package*.

3.5. CROSS SLOPE CORRECTION

The FIRM shall coordinate with the CITY to obtain existing cross slope data, determine roadway limits where cross slope is potentially out of tolerance, and determine a resolution.

3.6. GEOMETRIC DESIGN

3.6.1. DEVELOPMENT OF DESIGN OPTIONS

The FIRM will develop the Build Alternative, per the Preliminary Engineering Report designed by others, to a level of geometric design sufficient to identify and evaluate alignment (horizontal and vertical) constraints; nonstandard design features that will require Design Variation or Exception; potential environmental impact and mitigation measures; traffic flow and safety characteristics; drainage; structures; drainage and stormwater management; right of way needs; multimodal accommodation; constructability; TTCP during construction; and construction cost factors.

3.6.2. HORIZONTAL/VERTICAL MASTER DESIGN FILES

The FIRM shall design the geometrics using the Standard Plans that are most appropriate with proper consideration given to the design traffic volumes, design speed, capacity and levels of service, functional classification, adjacent land use, design consistency and driver expectancy, aesthetics, existing vegetation to be preserved, pedestrian and bicycle concerns, ADA requirements, Safe Mobility For Life Program, access management, concepts from previous studies and the scope of work. The FIRM shall also develop utility conflict information to be provided to the PROJECT Utility Coordinator in the format requested by the CITY.

Note: When the PROJECT includes a 3D Model deliverable, also include Activity 4.20 3D MODELING.

3.7. ACCESS MANAGEMENT

The FIRM shall incorporate access management standards for each PROJECT in coordination with CITY staff. The FIRM shall review adopted access management standards and the existing access conditions (interchange spacing, signalized intersection spacing, median opening spacing, and connection spacing). Median openings that will be closed, relocated, or substantially altered shall be shown on plan sheets and submitted with supporting documentation for review with the first plans submittal.

The CITY shall provide access management classification information and information derived from PD&E studies and public hearings to be used by the FIRM.

3.8. INTERSECTIONS AND INTERCHANGES

3.8.1. INTERSECTION AND INTERCHANGE CONCEPTS EVALUATION

The FIRM will develop intersection and interchange concepts/layouts based on the results of traffic operational analysis. The layouts will include through lanes, turn lanes, auxiliary lanes, storage lengths, and other geometric details.

The FIRM will propose appropriate intersection controls and intersection/interchange footprint at the following intersections:

West Shore Blvd. & Interbay Blvd.

Manhattan Ave & Interbay Blvd.

3.9. CROSS SECTION DESIGN FILES

The FIRM shall establish and develop cross section design files in accordance with the CITY's CADD Manual.

3.10. TEMPORARY TRAFFIC CONTROL PLAN (TTCP) ANALYSIS

The FIRM shall design a safe and effective TTCP to move vehicular and pedestrian traffic during all phases of construction. The design shall include construction phasing of roadways ingress and egress to existing property owners and businesses, transit features (e.g. bus stops), routing, signing and pavement markings, and detour quantity tabulations, roadway pavement, drainage structures, ditches, front slopes, back slopes, drop offs within clear zone, transit stops, and traffic monitoring sites. Special consideration shall be given to the construction of the drainage system when developing the construction phases. Positive drainage must be maintained at all times. The design shall include construction phasing of roadways to accommodate the construction or relocation of utilities when the contract includes Utility Work by Highway Contractor (UWHC).

The FIRM shall investigate the need for temporary traffic signals (including temporary timing and temporary signal detection), temporary highway lighting, detours, diversions, lane shifts, and the use of materials such as sheet piling in the analysis. The TTCP shall be prepared by a certified designer who has completed training as required by the CITY. Before proceeding with the TTCP, the FIRM shall meet with the appropriate CITY personnel. The purpose of this meeting is to provide information to the FIRM that will better coordinate the Preliminary and Final TTCP efforts.

The FIRM shall consider the local impact of any lane closures or alternate routes. When the need to close a road is identified during this analysis, the FIRM shall notify the CITY's Project Manager as soon as possible. Proposed road closures must be reviewed and approved by the CITY. Diligence shall be used to minimize negative impacts by appropriate specifications, recommendations, or plans development. Local impacts to consider will be local events, emergency vehicle response time, holidays, peak seasons, detour route deterioration, transit agency routes and other eventualities.

3.11. MASTER TTCP FILES

The FIRM shall develop master TTCP files (for Level II and Level III only) showing each phase of the TTCP. This includes all work necessary for designing lane configurations, diversions, lane shifts, signing and pavement markings, temporary traffic control devices, and temporary pedestrian ways.

3.12. TREE DISPOSITION PLAN-

FIRM will prepare a Tree Disposition Plan outlining the requirements for the relocation and protection of trees located within the PROJECT boundaries. Will utilize the information collected from the Vegetation Survey.

3.13. DESIGN VARIATIONS AND EXCEPTIONS

The FIRM shall prepare the documentation necessary to gain CITY approval of all appropriate Design Variation Memorandums, Formal Design Variations and/or Design Exceptions. FIRM shall prepare and document all Design Variations and Exceptions Memos for approval by the CITY Chief Design Engineer.

3.14. ROADWAY QUANTITIES FOR EQ REPORT

The FIRM shall determine roadway pay items and quantities and the supporting documentation.

3.15. TTCP QUANTITIES FOR EQ REPORT

The FIRM shall use standard percent costs for lump sum allowed by FDOT for all Maintenance of Traffic.

3.16. COST ESTIMATE

The FIRM will develop construction cost estimates using the FDOT statewide averages. The FIRM will be responsible for reviewing and updating the cost estimate when scope changes occur, at PROJECT milestones, and during the CITY's annual budget cycle.

The FIRM will develop engineer's estimates of the probable cost and provide required updates per the following guidelines:

Preliminary Concept Plans

- Planning level cost estimates using FDOT Cost Per Mile Models

PHASE II 60% Plans

- Cost Estimate using FDOT Statewide Averages

PHASE IV 100% Plans

- Cost Estimate using FDOT Statewide Averages and applicable CITY Unit Costs

PHASE V Final Plans

- Cost Estimate using FDOT Statewide Averages and applicable CITY Unit Costs

3.17. TECHNICAL SPECIAL PROVISIONS AND MODIFIED SPECIAL PROVISIONS

3.18. OTHER ROADWAY ANALYSES

3.19. FIELD REVIEWS

3.20. TECHNICAL MEETINGS

3.21. QUALITY ASSURANCE/QUALITY CONTROL

3.22. SUPERVISION

3.23. COORDINATION

4. ROADWAY PLANS

The FIRM shall prepare Roadway, Traffic Control, Utility Adjustment sheets, plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the PROJECT for the purposes of construction.

- 4.1. KEY SHEET**
- 4.2. TYPICAL SECTION SHEETS**
 - 4.2.1. TYPICAL SECTIONS**
 - 4.2.2. TYPICAL SECTION DETAILS**
- 4.3. GENERAL NOTES/PAY ITEM NOTES**
- 4.4. PROJECT LAYOUT**
- 4.5. PLAN/PROFILE SHEET**
- 4.6. PROFILE SHEET**
- 4.7. PLAN SHEET**
- 4.8. SPECIAL PROFILE**
- 4.9. BACK-OF-SIDEWALK PROFILE SHEET**
- 4.10. INTERSECTION LAYOUT DETAILS**
- 4.11. SPECIAL DETAILS**
- 4.12. CROSS SECTIONS**
- 4.13. TEMPORARY TRAFFIC CONTROL PLAN SHEETS**
- 4.14. TEMPORARY TRAFFIC CONTROL DETAIL SHEETS**
- 4.15. UTILITY ADJUSTMENT SHEETS**
 - 4.15.1. TREE DISPOSITION PLAN TABLES AND SCHEDULES**
- 4.16. PROJECT CONTROL SHEETS**
- 4.17. UTILITY VERIFICATION SHEET(S) (SUE DATA)**
- 4.18. QUALITY ASSURANCE/QUALITY CONTROL**
- 4.19. SUPERVISION**
- 4.20. 3D MODELING**

The FIRM shall analyze and document Roadway Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

The FIRM shall deliver all master design files, 3D surface design models, and all supporting digital files for the development of plans as required in the FDOT CADD Manual.

The FIRM shall prepare a 3D model using the latest Autodesk AutoCAD Civil 3D. Includes all efforts required for developing files for 3D deliverables supporting automated machine guidance for design models. This includes importing survey data and creation of existing 3D surface features and models and developing proposed corridor models with necessary detail of features to depict the proposed PROJECT in 3D to comply with the FDOT CADD Manual.

The FIRM shall add detail to the corridor and design model for 3D design. Includes many elements that contribute to this including but not limited to slope transitions, typical section transitions,

changes in pavement depth, berms, swales/ditches, and other feature transitions. Extra corridor structure leads to extra assemblies, extra targeting, etc.

The FIRM shall create an accurate roadway design model which includes modeling the intersections.

The FIRM shall submit .dwg files associated with the 3D Model and their respective components.

4.20.1. CROSS SECTION DESIGN FILES

The FIRM shall establish and develop cross section design files in accordance with CITY's CADD Standards and FDOT Design Manual. Includes all work required to establish and utilize intelligent/automated methods for creating cross sections including determining the locations for which all cross sections will be shown, existing and proposed features, cross section refinement, placement of utilities and drainage, soil boxes, R/W lines, earthwork calculations, and other required labeling.

4.20.2. QUALITY ASSURANCE/QUALITY CONTROL

4.20.3. SUPERVISION

4.20.4. COORDINATION

5. DRAINAGE

5.1. DRAINAGE ANALYSIS

The FIRM shall analyze and document Drainage Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures and current design memorandums.

The FIRM shall be responsible for designing a drainage and stormwater management system. All design work shall comply with the latest requirements of the appropriate regulatory agencies and the CITY's Drainage Manual.

The FIRM shall coordinate fully with the appropriate permitting agencies and the CITY's staff. All activities and submittals should be coordinated through the CITY's Project Manager.

5.1.1. DRAINAGE MAP HYDROLOGY

The FIRM will create a (pre- and post- condition) working drainage basin map to be used in defining the system hydrology. This map shall incorporate drainage basin boundaries, existing survey and/or LiDAR and field observations, as necessary, to define the system. Basin delineations shall also include any existing collection systems in a logical manner to aid in the development of the hydraulic model. Include coordination hours needed to convey drainage hydrologic features onto produced drainage maps.

5.1.2. BASE CLEARANCE CALCULATIONS AND REPORT

The FIRM will analyze, determine, and document high water elevations per basin which will be used to set roadway profile grade and roadway materials. The FIRM will determine surface water elevations at cross drains, floodplains, outfalls and adjacent stormwater ponds. This will include determining groundwater elevations (e.g. Seasonal High Groundwater Table elevations) at intervals between the above-mentioned surface waters. The FIRM will document findings in the Base Clearance Report.

Base Clearance Calculations and Report is limited to Segment 2.

5.1.3. POND SITING ANALYSIS AND REPORT

The FIRM will calculate the stormwater quality and attenuation requirements (for the requisite storm events) and estimate the stormwater management facility needs for each roadway alternative.

If the ELA reveals no regional pond sites within the Study Area, the FIRM will identify practical pond sites in each basin for each PROJECT alternative, estimate construction cost, compare the sites, and identify (in coordination with the CITY) a preferred pond site for each basin.

[Identify the number of alternative sites to be evaluated for each pond.]

Additionally, the FIRM will identify inflow and outfall access and easement requirements for each pond site. If additional pond sites are revealed, they will be used as a potential option. The FIRM will evaluate pond sites using a preliminary hydrologic analysis. The FIRM will document the results and coordination for all the PROJECT's pond site analyses in accordance with the Drainage Manual. The FIRM will prepare a Pond Siting Report which shall document all right of way, existing and proposed, that is needed to accomplish the required storm water treatment and attenuation, as well as floodplain compensation that may be required for the PROJECT.

5.1.4. DESIGN OF CROSS DRAINS

Analyze the hydraulic design and performance of cross drains. Check existing cross drains to determine if they are structurally sound and can be extended. Document the design as required. Determine and provide flood data as required. Analysis should consider age of the existing cross drain and the number of times it has been extended.

5.1.5. DESIGN OF DITCHES

Design roadway conveyance and outfall ditches. This task includes capacity calculations, longitudinal grade adjustments, flow changes, additional adjustments for ditch convergences, selection of suitable channel lining, design of side drain pipes, and documentation. (Design of linear stormwater management facilities in separate task.)

Design of Ditches is excluded for the RRR portion of Segment 3.

5.1.6. DESIGN OF STORMWATER MANAGEMENT FACILITY (OFFSITE OR INFIELD POND)

Design stormwater management facilities to meet requirements for stormwater quality treatment, attenuation and aesthetics. Develop proposed pond layout (contributing drainage basin, shape, contours, slopes, volumes, tie-ins, aesthetics, etc.), perform routing, pollutant/nutrient loading calculations, recovery calculations, design the outlet control structure and buoyancy calculations for pond liners when necessary.

5.1.7. DESIGN OF STORMWATER MANAGEMENT FACILITY (ROADSIDE TREATMENT SWALES AND LINEAR PONDS)

Design stormwater management facilities to meet requirements for stormwater quality treatment, attenuation and aesthetics. Develop proposed pond layout (contributing drainage basin, shape, contours, slopes, volumes, tie-ins, etc.), perform routing, pollutant loading calculations, recovery calculations and design the outlet control structure.

5.1.8. FLOODPLAIN AND ENVIRONMENTAL PERMIT DRAINAGE DATA COLLECTION

The FIRM will gather floodplain data from FEMA Flood Insurance Rate Maps, and other drainage related data needed to perform stormwater management analysis and obtain permits from relevant sources including local government, local agencies, and regulatory agencies. The FIRM will identify practical floodplain compensation sites for each floodplain impacted for each PROJECT alternative, estimate construction cost, compare the sites, and identify (in coordination with the CITY) a preferred floodplain compensation site for each floodplain. Additionally, the FIRM will identify inflow/outfall and access easement requirements for each floodplain compensation site. If additional floodplain compensation sites are revealed, they will be used as a potential option.

5.1.9. FLOODPLAIN COMPENSATION SITING AND DESIGN

The FIRM will determine base floodplain elevations (i.e. 100-year, 24-hour rainfall events) from the floodplain data and determine floodplain encroachments, coordinate with regulatory agencies, and develop proposed compensation area layout (shape, contours, slopes, volumes, etc.). Document the design following the requirements of the regulatory agency. The FIRM will also document floodplain compensation site requirements into the Pond Siting Report.

5.1.10. DESIGN OF STORM DRAINS

Delineate contributing drainage areas, determine runoff, inlet locations, and spread. Calculate hydraulic losses (friction, utility conflict and, if necessary, minor losses). Determine design tailwater and, if necessary, outlet scour protection. Analysis should consider age of the existing storm sewer and the number of times it has been modified when being incorporated into the design.

Design of Storm Drains is excluded for the RRR portion of Segment 3.

5.1.11. DRAINAGE DESIGN DOCUMENTATION REPORT

Compile drainage design documentation into report format. Include documentation for all the drainage design tasks and associated meetings and decisions, except for stand-alone reports, such as the Pond Siting Analysis Report and Bridge Hydraulics Report.

5.1.12. LOCATION HYDRAULICS REPORT

The FIRM will prepare a Location Hydraulics Report for the PROJECT in accordance with Part 2, Chapter 13 of the PD&E Manual.

5.1.13. TEMPORARY DRAINAGE ANALYSIS

Evaluate and address drainage to adequately drain the road and maintain existing offsite drainage during all construction phases. Provide documentation.

5.1.14. DRAINAGE QUANTITIES FOR EQ REPORT

The FIRM shall determine drainage pay items and quantities and the supporting documentation.

5.1.15. COST ESTIMATE

Prepare cost estimates for the drainage components, except bridges and earthwork for stormwater management and flood compensation sites.

5.1.16. OTHER DRAINAGE ANALYSIS

Includes all efforts for a drainage task not covered by an existing defined task.

5.1.17. STORMWATER RUNOFF CONTROL CONCEPT

Evaluate Includes analysis and design of the Stormwater Runoff Control Concept. Includes creating the design file.

5.1.18. FIELD REVIEWS

5.1.19. TECHNICAL MEETINGS

Meetings with CITY staff, regulatory agencies, local governments such as meetings with CITY Drainage Engineer, the Water Management District, FDEP, etc.

5.1.20. QUALITY ASSURANCE/QUALITY CONTROL

5.1.21. SUPERVISION

5.1.22. COORDINATION

5.2. DRAINAGE PLANS

The FIRM shall prepare Drainage plan sheets, notes, and details. The plans shall include the following sheets necessary to convey the intent and scope of the PROJECT for the purposes of construction.

5.2.1. DRAINAGE MAP (INCLUDING INTERCHANGES)

5.2.2. DRAINAGE STRUCTURES

5.2.3. RETENTION/DETENTION/FLOODPLAIN COMPENSATION POND DETAILS & CROSS SECTIONS

5.2.4. EROSION CONTROL PLAN

5.2.5. SWPPP

5.2.6. QUALITY ASSURANCE/QUALITY CONTROL

5.2.7. SUPERVISION

6. UTILITIES

The FIRM shall identify utility facilities and secure agreements, utility work schedules, and plans from the Utility Agency Owners (UAO) ensuring all conflicts that exist between utility facilities and the CITY's construction PROJECT are addressed. The FIRM shall certify all utility negotiations have been completed and that arrangements have been made for utility work to be undertaken. The FIRM shall contact the Utility Agency Owners (UAO) within the PROJECT limits. Utility notifications shall be conducted for the entire project limits, with all segments included in each phase submittal.

Roadway Name	Segment	From	To	Scope
Interbay Blvd.	01	West Shore Blvd.	500 ft West of Manhattan Ave.	Widening/ Resurfacing
Interbay Blvd.	02	500 ft West of Manhattan Ave.	Dale Mabry Hwy.	Widening/ Resurfacing
Interbay Blvd.	03	Dale Mabry Hwy.	Bayshore Blvd.	Reconstruction
Interbay Blvd.	04	Dale Mabry Hwy.	Dale Mabry Hwy.	Widening/ Resurfacing

6.1. UTILITY KICKOFF MEETING

FIRM shall bring a copy of the design PROJECT work schedule reflecting utility activities. The FIRM shall be prepared to discuss the PROJECT's applied utility schedule logic and current UAO contact information.

6.2. IDENTIFY EXISTING UTILITY AGENCY OWNER(S) (UAO(S))

The FIRM shall identify all Utility Agency Owners (UAOs) in the corridor and within and adjacent to the PROJECT limits that may be impacted by the PROJECT. Identification shall include the updates UAO contact information. The FIRM shall contact Sunshine 811, perform a field visit, and review available utility permits, reports, existing plans, and surveys provided by the CITY.

6.3. MAKE UTILITY CONTACTS

First Contact: The FIRM shall transmit Utility contact letters and Phase II (60%) plans to each Utility Agency Owner (UAO) in electronic format, both PDF and CADD files to each UAO having facilities located within the PROJECT limits. Includes contact by phone for meeting coordination. Request type, size, location, easements, and cost for relocation if reimbursement is claimed. Request the voltage level for power lines in the PROJECT area. Send UAO requests for reimbursement to CITY for a legal opinion. Include the meeting schedule (if applicable) and the proposed design schedule.

Second Contact: The FIRM shall transmit Utility contact letters and Phase III (90%) plans to each Utility Agency Owner (UAO) in electronic format, both PDF and CADD files to each UAO having facilities located within the PROJECT limits. Schedule a Utility Coordination meeting and include a typical utility meeting agenda.

Third Contact: The FIRM shall transmit Utility contact letters and Phase IV (100%) plans to each Utility Agency Owner (UAO) in electronic format, both PDF and CADD files to each UAO having facilities located within the PROJECT limits. Collect final utility work agreements and assemble packages. The FIRM shall send agreements, letters, the utility conflict information (when applicable and in the format requested by the CITY) and to the UAO(s) including all component sets, one set for the utility office, one set to construction and maintenance if required. Include the design schedule.

6.4. INDIVIDUAL/FIELD MEETINGS

The FIRM shall meet with each UAO as necessary, separately or together, throughout the PROJECT design duration to provide guidance in the interpretation of plans, review changes to the plans and schedules, standard or selective clearing and grubbing work, and assist in the development of the UAO(s) marked/RGB plans and work schedules. The FIRM is responsible for motivating the UAO to complete and return the necessary documents after each Utility Contact or Meeting.

6.5. COLLECT AND REVIEW PLANS AND DATA FROM UAO(S)

The FIRM shall review UAOs marked plans and data individually as they are received for content, accuracy, utility type, material, and size. Provide to the EOR (designer) for inclusion in the plans. Forward all requests for UAO reimbursement and supporting documentation to the CITY.
Subordination of Easements Coordination

The FIRM, if requested by the CITY, shall transmit to and secure from the UAO the executed subordination agreements prepared by the appropriate CITY office. The FIRM shall coordinate with the CITY the programming of the necessary work program funds to compensate the UAO.

6.6. UTILITY DESIGN MEETING

The FIRM shall schedule (time and place), notify participants, and conduct a Utility meeting with all affected UAO(s). The FIRM shall be prepared to discuss impacts to existing trees/vegetation and proposed landscape, drainage, traffic signalization, TTCP (construction phasing), review the current design schedule and letting date, evaluate the utility information collected, provide follow-up information on compensable property rights from FDOT Legal Office, discuss with each UAO the utility work by highway contractor option, discuss any future design issues that may impact utilities, etc., to the extent that they may have an effect on existing or proposed utility facilities with particular emphasis on drainage and TTCP with each UAO. The intent of this meeting shall be to assist the UAOs in identifying and resolving conflicts between utilities and proposed construction before completion of the plans, including utility adjustment details. Also to work with the UAOs to recommend potential resolution between known utility conflicts with proposed construction plans as may be deemed practical by the UAO. The FIRM shall keep accurate minutes of all meetings and distribute a copy to all attendees within 3 days. See Task 4.5 (Horizontal/Vertical Master Design File) and Task 4.8 (Cross Section Design Files) for utility conflict location identification and adjustments.

6.7. REVIEW UTILITY MARKUPS & WORK SCHEDULES, AND PROCESSING OF SCHEDULES & AGREEMENTS

The FIRM shall review utility marked up plans and work schedules as they are received for content and coordinate review with the designer. Send color markups and schedules to the appropriate CITY office(s) such as survey, geotechnical, drainage, structures, lighting, roadway, signals, utilities, landscape architecture, municipalities, maintaining agency, and Traffic Operations for review and comment if required by the CITY. Coordinate with the CITY for execution. Distribute Executed Final Documents. Prepare Work Order for UAO(s). The FIRM shall coordinate with the CITY the programming of necessary Work Program funds.

6.8. UTILITY COORDINATION/FOLLOW-UP

The FIRM shall provide utility coordination and follow-up. This includes follow-up, interpreting plans, and assisting the UAOs with completion of their work schedules and agreements. Includes phone calls, face-to-face meetings, etc., to motivate and ensure the UAO(s) complete and return the required documents in accordance with the PROJECT schedule. Ensure the resolution of all identified conflicts. The FIRM shall keep accurate minutes of all meetings and distribute a copy to all attendees. This task can be applied to all phases of the PROJECT.

6.9. UTILITY CONSTRUCTABILITY REVIEW

The FIRM shall review utility schedules against construction contract time, and phasing for compatibility. Coordinate with and obtain written concurrence from the construction office. See Task 3.6.2 (Horizontal/Vertical Master Design Files) and 3.9 (Cross Section Design Files) for utility conflict identification and adjustments.

6.10. CONTRACT PLANS TO UAO(S)

If requested by the CITY, the FIRM shall transmit the contract plans as processed for letting to the UAO(s). Transmittals to UAO(s) via electronic delivery or another agreeable format.

6.11. CERTIFICATION/CLOSE-OUT

This includes hours for transmitting utility files to the DUO and preparation of the Utility Certification Letter. The FIRM shall certify to the appropriate CITY representative the following:

All utility negotiations (Full execution of each agreement, approved Utility Work Schedules, Technical Special Provisions or Modified Special Provisions written, etc.) have been completed with arrangements made for utility work to be undertaken and completed as required for proper coordination with the physical construction schedule.

OR

An on-site inspection was made, and no utility work will be involved.

OR

Plans were sent to the Utility Companies/Agencies and no utility work is required.

6.12. OTHER UTILITIES

The FIRM shall provide other utility services. This includes all efforts for a utility task not covered by an existing defined task. Required work will be defined in the scope and negotiated on a case-by-case basis.

7. ENVIRONMENTAL PERMITS AND ENVIRONMENTAL CLEARANCES

The FIRM shall notify the CITY Project Manager, Environmental Permit Coordinator, and other appropriate CITY personnel in advance of all scheduled meetings with the regulatory agencies to allow a CITY representative to attend. The FIRM shall copy in the Project Manager and the Environmental Permit Coordinator on all permit related correspondence and meetings. The FIRM shall use current regulatory guidelines and policies for all permits required as identified in Section 1.5 and Section 7.1.

7.1. ENVIRONMENTAL ANALYSIS AND REPORTS

7.1.1. CULTURAL RESOURCES

The FIRM will prepare a Research Design and Survey Methodology for the PROJECT, to be submitted to the CITY for approval prior to the initiation of field work. The FIRM shall identify and map the zones of probability for the PROJECT Study Area and identify any previously recorded resources. The Area of Potential Effect (APE) will be determined (including pond sites). The FIRM will summarize each of the cultural resource issues in the Environmental Document. If there is no involvement for a particular issue, then a statement to that effect will be included. The FIRM will use a professional qualified under the provisions of 36 CFR 61 in compliance with the National Historic Preservation Act of 1966 (Public Law 89-665, as amended) and the implementing regulations (36 CFR 800), as well as with the provisions contained in Chapter 267, Florida Statutes, to perform all work in this task.

The FIRM will assess the direct and indirect effects of the alternatives and will document the severity of the following items in the Environmental Document and PROJECT file:

7.1.1.A. ARCHAEOLOGICAL AND HISTORIC RESOURCES

The FIRM will identify and analyze impacts to archaeological sites and historic resources within the PROJECT's Area of Potential Effect (APE). The APE must include potential pond sites. The FIRM will prepare a research design and survey methodology and perform a Cultural Resources Assessment Survey (CRAS) in accordance with Part 2, Chapter 8 of the PD&E Manual. All work will be documented and coordinated with appropriate agencies as per Part 2 Chapter 8 of the PD&E Manual and the CITY's Cultural Resource Management Handbook. In addition, attendance at public meetings may be required. The FIRM will review and address any resource issues or comments by the State Historic Preservation Officer (SHPO) listed in the Programming Screen Summary Report. The FIRM will assist the CITY in preparing documents for tribal coordination, if needed.

The FIRM will assist the CITY in meetings by providing technical support in Section 106 Meetings, such as the Cultural Resource Committee Meeting.

The FIRM will prepare a CRAS detailing the results of the survey and assessments of resource significance, including a Florida Master Site File (FMSF) form.

7.1.2. NATURAL RESOURCES

7.1.3. PLANNING CONSISTENCY

7.1.3.A. REVIEW OF TRANSPORTATION PLANS AND PROGRAMS

The FIRM will coordinate with the CITY to obtain and review transportation plans and programs applicable to this PROJECT.

7.1.3.B. DOCUMENTATION

The FIRM will assist the CITY in the preparation of the Planning Consistency documentation.

7.2. PRELIMINARY PROJECT RESEARCH

The FIRM shall perform preliminary PROJECT research and shall be responsible for regulatory agency coordination to assure that design efforts are properly directed toward permit requirements. The research shall include but should not be limited to a review of the PROJECT's PD&E documents including the Environmental Document, Natural Resources Evaluation, and Cultural Resources Assessment Survey Report.

The FIRM shall research any existing easements or other restrictions that may exist both within or adjacent to the proposed PROJECT boundary. PROJECT research may include but should not be limited to review of available: CITY Right of Way files and databases; federal, state, and local permit files and databases; and local government information including county property appraiser data. The FIRM shall determine if any Sovereign Submerged Lands easements need to be modified or acquired. Any applicable information will be shown on the plans as appropriate.

7.3. TECHNICAL MEETINGS

7.4. QUALITY ASSURANCE/QUALITY CONTROL

7.5. SUPERVISION

7.6. COORDINATION

8. STRUCTURES – SUMMARY AND MISCELLANEOUS TASKS AND DRAWINGS

The FIRM shall analyze, design and develop contract documents for all structures in accordance with applicable provisions as defined in Section 1.15, Provisions for Work. Individual tasks identified in Section 8 are defined in the Staff Hour Estimation Guidelines and within the provision defined in Section 1.15, Provisions for Work. Contract documents shall display economical solutions for the given conditions.

The FIRM shall provide Design Documentation to the CITY with each submittal consisting of structural design calculations and other supporting documentation developed during the development of the plans. The design calculations submitted shall adequately address the complete design of all structural elements. These calculations shall be neatly and logically presented on digital media or, at the CITY's request, on 8½"x11" paper and all sheets shall be numbered. The final design calculations shall be signed and sealed by a Florida-licensed professional engineer. A cover sheet indexing the contents of the calculations shall be included and the engineer shall sign and seal that sheet. All computer programs and parameters used in the design calculations shall include sufficient backup information to facilitate the review task.

8.1. INCORPORATE REPORT OF CORE BORINGS

8.2. COST ESTIMATE

8.3. FIELD REVIEWS

8.4. TECHNICAL MEETINGS

8.5. QUALITY ASSURANCE/QUALITY CONTROL

8.6. SUPERVISION

8.7. COORDINATION

9. SIGNING AND PAVEMENT MARKING ANALYSIS

The FIRM shall analyze and document Signing and Pavement Markings Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures and current design memorandums.

9.1. TRAFFIC DATA ANALYSIS

The FIRM shall review the approved preliminary engineering report, typical section package, traffic technical memorandum and proposed geometric design alignment to identify proposed sign placements and roadway markings. Perform queue analysis.

9.2. SIGNING AND PAVEMENT MARKING MASTER DESIGN FILE

The FIRM shall prepare the Signing & Marking Design file to include all necessary design elements and all associated reference files.

9.3. MULTI-POST SIGN SUPPORT CALCULATIONS

The FIRM shall determine the appropriate column size from the FDOT's Multi-Post Sign Program(s).

9.4. SIGN PANEL DESIGN ANALYSIS

Establish sign layout, letter size and series for non-standard signs.

9.5. S&PM QUANTITIES FOR EQ REPORT

The FIRM shall determine signing and pavement marking pay items and quantities and the supporting documentation.

9.6. COST ESTIMATE

9.7. TECHNICAL SPECIAL PROVISIONS AND MODIFIED SPECIAL PROVISIONS

9.8. FIELD REVIEWS

9.9. TECHNICAL MEETINGS

9.10. QUALITY ASSURANCE/QUALITY CONTROL

9.11. SUPERVISION

9.12. COORDINATION

10. SIGNING AND PAVEMENT MARKINGS PLANS

The FIRM shall prepare a set of Signing and Pavement Marking Plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums that includes the following:

10.1. KEY SHEET & SIGNATURE SHEET

10.2. GENERAL NOTES/PAY ITEM NOTES

10.3. PROJECT LAYOUT

10.4. PLAN SHEET

10.5. GUIDE SIGN DATA

10.6. QUALITY ASSURANCE/QUALITY CONTROL

The FIRM shall be responsible for the professional quality, technical accuracy and coordination of traffic design drawings, specifications and other services furnished by the FIRM under this contract.

The FIRM shall provide a Quality Control Plan that describes the procedures to be utilized to verify, independently check, and review all design drawings, specifications and other services prepared as part of the contract. The FIRM shall describe how the check and review processes are to be documented to verify that the required procedures were followed. The Quality Control Plan may be one utilized by the FIRM as part of their normal operation, or it may be specifically designated for this PROJECT.

10.7. SUPERVISION

11. SIGNALIZATION ANALYSIS

The FIRM shall analyze and document Signalization Analysis Task in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums.

11.1. TRAFFIC DATA COLLECTION-

The FIRM shall perform all efforts required for traffic data collection, including crash reports, 24-hr. machine counts, 8-hr. turning movement counts, 7-day machine counts, and speed & delay studies.

11.2. TRAFFIC DATA ANALYSIS

The FIRM shall determine signal operation plan, intersection geometry, local signal timings, pre-emption phasing & timings, forecasting traffic, and intersection analysis run.

11.3. REFERENCE AND MASTER SIGNALIZATION DESIGN FILE

The FIRM shall prepare the Signalization Design file to include all necessary design elements and all associated reference files.

11.4. SIGNALIZATION QUANTITIES FOR EQ REPORT

The FIRM shall determine signalization pay items and quantities and the supporting documentation.

11.5. COST ESTIMATE

11.6. OTHER SIGNALIZATION ANALYSIS

11.7. FIELD REVIEWS

The FIRM shall collect information from the maintaining agencies and conduct a field review. The review should include, but is not limited to, the following:

- Existing Signal and Pedestrian Phasing
- Controller Make, Model, Capabilities and Conditions/Age
- Controller Cabinet Make, Model, and load bay type
- Condition of Signal Structure(s)
- Type of Detection as Compared with Current CITY Standards
- Interconnection Media
- Controller Timing Data
- Presence of LED Vehicular and Pedestrian Signal Indicators
- Presence of Signal Backplates
- Presence of Pedestrian Countdown Type Heads
- Presence of Accessible vs. Standard Pedestrian Detectors

11.8. TECHNICAL MEETINGS

11.9. QUALITY ASSURANCE/QUALITY CONTROL

The FIRM shall be responsible for the professional quality, technical accuracy and coordination of traffic design drawings, specifications and other services furnished by the FIRM under this contract.

The FIRM shall provide a Quality Control Plan that describes the procedures to be utilized to verify, independently check, and review all design drawings, specifications and other services prepared as part of the contract. The FIRM shall describe how the checking and review processes are to be documented to verify that the required procedures were followed. The Quality Control Plan may be one utilized by the FIRM as part of their normal operation, or it may be one specifically designated for this PROJECT.

11.10. INDEPENDENT PEER REVIEW

11.11. SUPERVISION

11.12. COORDINATION

12. SIGNALIZATION PLANS

The FIRM shall prepare a set of Signalization Plans in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums, which include the following:

12.1. KEY SHEET & SIGNATURE SHEET

12.2. GENERAL NOTES/PAY ITEM NOTES

12.3. SIGNALIZATION PLAN SHEETS

12.4. GUIDE SIGN DATA

12.5. TTCP SIGNAL

12.6. TEMPORARY DETECTION SHEET

12.7. QUALITY ASSURANCE/QUALITY CONTROL

The FIRM shall be responsible for the professional quality, technical accuracy and coordination of traffic design drawings, specifications and other services furnished by the FIRM under this contract.

The FIRM shall provide a Quality Control Plan that describes the procedures to be utilized to verify, independently check, and review all design drawings, specifications and other services prepared as a part of the contract. The FIRM shall describe how the check and review processes are to be documented to verify that the required procedures were followed. The Quality Control Plan may be one utilized by the FIRM as part of their normal operation, or it may be one specifically designed for this PROJECT.

12.8. SUPERVISION

13. LANDSCAPE ANALYSIS

The FIRM shall analyze and document Landscape Architecture Tasks in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current design memorandums. *Landscape Analysis is limited to Segment 2.*

13.1. DATA COLLECTION

All research required to collect data necessary to complete the initial design analysis. Includes identifying local ordinances and collection of other PROJECT data.

13.2. SITE INVENTORY AND ANALYSIS FOR PROPOSED LANDSCAPE

Includes identification of opportunities and constraints for the proposed landscape PROJECT based on existing site conditions. Identify available planting areas for nursery landscape material. Summary of analysis, if required, is included in conceptual design. Roll plots may be required.

13.2.1. SELECTIVE CLEARING AND GRUBBING SITE INVENTORY

13.2.2. INVENTORY AND ANALYSIS

13.2.3. VEGETATION DISPOSITION PLAN- MAINLINE

13.2.4. VEGETATION DISPOSITION PLAN- INTERCHANGE

13.3. LANDSCAPE QUANTITIES FOR EQ REPORT

The FIRM shall determine landscape pay items and quantities and the supporting documentation.

13.4. COST ESTIMATES

13.5. TECHNICAL SPECIAL PROVISIONS AND MODIFIED SPECIAL PROVISIONS

13.6. INSPECTION SERVICES

Services may include on-site inspection, construction, observation, monitoring, supervision, and any reporting requirements.

13.7. OTHER LANDSCAPE SERVICES

13.8. FIELD REVIEWS

13.9. TECHNICAL MEETINGS/PUBLIC MEETINGS

13.10. QUALITY ASSURANCE/QUALITY CONTROL

13.11. INDEPENDENT PEER REVIEW

13.12. SUPERVISION

13.13. PROJECT COORDINATION

13.14. INTERDISCIPLINARY COORDINATION

14. SURVEY

The FIRM shall perform survey tasks in accordance with all applicable statutes, manuals, guidelines, standards, handbooks, procedures, and current design memoranda.

The FIRM shall submit all survey notes and computations to document the surveys. All field survey work shall be recorded in approved media and submitted to the CITY. Field books submitted to the CITY must be of an approved type. The field books shall be certified by the surveyor in responsible charge of work being performed before the final product is submitted.

The survey notes shall include documentation of decisions reached from meetings, telephone conversations or site visits. All like work (such as bench lines, reference points, etc.) shall be recorded contiguously. The CITY may not accept field survey radial locations of section corners, platted subdivision lot and block corners, alignment control points, alignment control reference points and certified section corner references. The CITY may instead require that these points be surveyed by true line, traverse or parallel offset.

14.1. HORIZONTAL PROJECT CONTROL (HPC)

CITY will supply HPC.

14.2. VERTICAL PROJECT CONTROL (VPC)/BENCH LINE

CITY will supply VPC.

14.3. ALIGNMENT AND/OR EXISTING RIGHT OF WAY (R/W) LINES

To be provided by the CITY.

14.4. TOPOGRAPHY/DIGITAL TERRAIN MODEL (DTM) (3D)

Locate all above ground features and improvements for the limits of the PROJECT by collecting the required data for the purpose of creating a DTM with sufficient density. Shoot all break lines, high and low points. Effort includes field edits, analysis and processing of all field collected data, existing maps, and/or reports. Topographic survey efforts will be provided for Segment 2 only and merged with the existing topographic survey to be provided by the CITY.

14.5. ROADWAY CROSS SECTIONS/PROFILES

Perform cross sections or profiles. May include analysis and processing of all field-collected data for comparison with DTM.

14.6. SIDE STREET SURVEYS

Refer to task of this document as applicable.

14.7. UNDERGROUND UTILITIES

Designation includes 2-dimensional collection of existing utilities and selected 3-dimensional verification as needed for designation. Location includes non -destructive excavation to determine size, type and location of existing utility, as necessary for final 3-dimensional verification. Survey includes collection of data on points as needed for designates and locates. Includes analysis and processing of all field collected data, and delivery of all appropriate electronic files.

14.8. DRAINAGE SURVEY

Locate underground data (XYZ, pipe size, type, condition and flow line) that relates to the above ground data. Includes field edits, analysis and processing of all field collected data, existing maps, and/or reports.

14.9. GEOTECHNICAL SUPPORT

Perform 3-dimensional (XYZ) field location, or stakeout, or boring sites established by geotechnical engineer. Includes field edits, analysis and processing of all field collected data and/or reports.

14.10. WORK ZONE SAFETY

Provide work zone as required by CITY standards.

14.11. DOCUMENT RESEARCH

Perform research of documentation to support field and office efforts involving surveying and mapping.

14.12. FIELD REVIEWS

Perform verification of the field conditions as related to the collected survey data.

14.13. TECHNICAL MEETINGS

Attend meetings as required and negotiated by the Surveying and Mapping.

14.14. QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Establish and implement a QA/QC plan. Also includes subconsultant review, response to comments and any resolution meetings if required, preparation of submittals for review, etc.

14.15. SUPERVISION

Perform all activities required to supervise and coordinate PROJECT. These activities must be performed by the Project supervisor, a Florida P.S.M. or their delegate as approved by the CITY Surveying Office.

14.16. COORDINATION

Coordinate survey activities with other disciplines. These activities must be performed by the Project supervisor a Florida P.S.M. on their delegate as approved by the CITY Surveying Office.

15. GEOTECHNICAL

The FIRM shall, for each PROJECT, be responsible for complete geotechnical investigation. All work performed by the FIRM shall be in accordance with CITY standards, or as otherwise directed by the CITY Geotechnical Engineer. The CITY Geotechnical Engineer will make interpretations and changes regarding geotechnical standards, policies and procedures and provide guidance to the FIRM.

Before beginning each phase of investigation and after the Notice to Proceed is given, the FIRM shall submit an investigation plan for approval and meet with the CITY's Geotechnical Engineers or representative to review the PROJECT scope and CITY requirements. The investigation plan shall include, but not be limited to, the proposed borings locations and depths, and all existing geotechnical information from available sources to generally describe the surface and subsurface conditions of the PROJECT site. Additional meetings may be required to plan any additional field efforts, review plans, resolve plans/report comments, resolve responses to comments, and/or other meetings necessary to facilitate the PROJECT.

The FIRM shall notify the CITY in adequate time to schedule a representative to attend all related meetings and field activities.

15.1. DOCUMENT COLLECTION AND REVIEW

FIRM will review printed literature including topographic maps, county agricultural maps, aerial photography (including historic photos), ground water resources, geology bulletins, potentiometric maps, pile driving records, historic construction records and other geotechnical related resources. Prior to field reconnaissance, FIRM shall review U.S.G.S., S.C.S. and potentiometric maps, and identify areas with problematic soil and groundwater conditions.

15.1.1. ROADWAY

The FIRM shall be responsible for coordination of all geotechnical related field work activities. The FIRM shall retain all samples until acceptance of Phase IV plans. Rock cores shall be retained as directed in writing by the CITY Geotechnical Engineer.

Obtain pavement cores as directing in writing by the CITY Geotechnical Engineer.

If required by the CITY Geotechnical Engineer, a preliminary roadway exploration shall be performed before the Phase I plans submittal. The preliminary roadway exploration will be performed, and results provided to the Engineer of Record to assist in setting roadway grades and locating potential problem areas. The preliminary roadway exploration shall be performed as directed in writing by the CITY Geotechnical Engineer.

FIRM shall perform specialized field testing as required by PROJECT needs and as directing in writing by the CITY Geotechnical Engineer.

All laboratory testing and classification will be performed in accordance with applicable CITY standards, ASTM Standards or AASHTO Standards, unless otherwise specified in the Contract Documents.

15.2. DEVELOP DETAILED BORING LOCATION PLAN

Develop a detailed boring location plan. Meet with CITY Geotechnical Project Manager for boring plan approval. If the drilling program expects to encounter artesian conditions, the FIRM shall submit a methodology(s) for plugging the borehole to the CITY for approval prior to commencing with the boring program.

15.3. STAKE BORINGS/UTILITY CLEARANCE

Stake borings and obtain utility clearance.

15.4. MUCK PROBING

Probe standing water and surficial muck in a detailed pattern sufficient for determining removal limits to be shown in the Plans.

15.5. COORDINATE AND DEVELOP TTCPS FOR FIELD INVESTIGATION

Coordinate and develop TTCP. All work zone traffic control will be performed in accordance with the CITY's Roadway and Traffic Standard Plans Index 102 series.

15.6. DRILLING ACCESS PERMITS

Obtain all State, County, City, and Water Management District permits for performing geotechnical borings, as needed.

15.7. PROPERTY CLEARANCES

Notify property tenants in person of drilling and field activities, if applicable. Written notification to property owners/tenants is the responsibility of the CITY's Project Manager.

15.8. GROUNDWATER MONITORING

Monitor groundwater, using piezometers.

15.9. LBR/RESILIENT MODULUS SAMPLING

Collect appropriate samples for Limerock Bearing Ratio (LBR) testing. Deliver Resilient Modulus samples to the District Materials Office or the State materials Office in Gainesville, as directed by the CITY.

15.10. COORDINATION OF FIELD WORK

Coordinate all field work required to provide geotechnical data for the PROJECT.

15.11. SOIL AND ROCK CLASSIFICATION – ROADWAY

Refine soil profiles recorded in the field, based on results of laboratory testing.

15.12. LABORATORY DATA

Tabulate laboratory test results for inclusion in the geotechnical report, the report of tests sheet (Roadway Soil Survey Sheet), and for any necessary calculations and analyses.

15.13. SEASONAL HIGH WATER TABLE

Review the encountered ground water levels and estimate seasonal high ground water levels. Estimate seasonal low ground water levels, if requested.

15.14. PARAMETERS FOR WATER RETENTION AREAS

Calculate parameters for water retention areas, exfiltration trenches, and/or swales.

15.15. DELINEATE LIMITS OF UNSUITABLE MATERIAL

Delineate limits of unsuitable material(s) in both horizontal and vertical directions. Assist the Engineer of Record with detailing these limits on the cross sections. If requested, prepare a plan view of the limits of unsuitable material.

15.16. ELECTRONIC FILES FOR CROSS SECTIONS

Create electronic files of boring data for cross sections.

15.17. EMBANKMENT SETTLEMENT AND STABILITY

Estimate the total magnitude and time rate of embankment settlements. Calculate the factor of safety against slope of stability failure.

15.18. MONITOR EXISTING STRUCTURES

Provide Roadway EOR guidance on the radius to review existing structures for monitoring.

Optional services (may be negotiated at a later date if needed): Identify existing structures in need of settlement, vibration and/or ground water monitoring by the contractor during construction and coordinate with the EOR and structural engineer (when applicable) to develop mitigation strategies. When there is risk of damage to the structure or facility, provide recommendations in the geotechnical report addressing PROJECT specific needs and coordinate those locations with the EOR. See FDM Chapter 117 and Chapter 9 of the Soils and Foundations Handbook.

15.19. GEOTECHNICAL RECOMMENDATIONS

Provide geotechnical recommendations regarding the proposed roadway construction PROJECT including the following: description of the site/alignment; design recommendations and discussion of any special considerations (e.g. removal of unsuitable material, consolidation of weak soils, estimated settlement time/amount, groundwater control, high groundwater conditions relative to pavement bases, etc.). Evaluate and recommend types of geosynthetics and properties for various applications, as required.

15.20. PRELIMINARY ROADWAY REPORT

If a preliminary roadway investigation is performed, submit a preliminary roadway report before the Phase I plans submittal. The purpose of the preliminary roadway report will be to assist in setting road grades and locating potential problems.

Copies of U.S.G.S. and S.C.S. maps with PROJECT limits shown.

A report of tests sheets that summarizes the laboratory test results, the soil stratification (i.e. soils grouped into layers of similar materials) and construction recommendations relative to Standard Plan Indices 120-001 and 120-002.

The results of all tasks discussed in all previous sections regarding data interpretation and analysis.

An appendix that contains stratified soil boring profiles, laboratory test data sheets, sample embankment settlement and stability calculations, design LBR calculation/graphs, and other pertinent calculations.

The FIRM will respond in writing to any changes and/or comments from the CITY and submit any responses and revised reports.

15.21. FINAL REPORT

The final Road Report shall include the following:

Copies of U.S.G.S. and S.C.S. maps with PROJECT limits shown.

A report of tests sheet that summarizes the laboratory test results, the soil stratification (i.e. soils grouped into layers of similar materials) and construction recommendations relative to Standard Plans Indices 120-001 and 120-002.

The results of all tasks discussed in all previous sections regarding data interpretation and analysis.

An appendix that contains stratified soil boring profiles, laboratory test data sheets, sample embankment settlement and stability calculations, design LBR calculation/graphs and other pertinent calculations.

The FIRM will respond in writing to any changes and/or comments from the CITY and submit any responses and revised reports.

15.22. AUGER BORING DRAFTING

Draft Auger borings as directed by the CITY.

15.23. SPT BORING DRAFTING

Draft SPT borings as directed by the CITY.

Structures

The FIRM shall be responsible for coordination of all geotechnical related fieldwork activities. The FIRM shall retain all samples until acceptance of Phase IV plans. Rock cores shall be retained as directed in writing by the CITY Geotechnical Engineer.

FIRM shall perform specialized field-testing as required by needs of the PROJECT and as directed in writing by the CITY Geotechnical Engineer.

All laboratory testing and classification will be performed in accordance with applicable CITY standards, ASTM Standards or AASHTO Standards, unless otherwise specified in the Contract Documents.

The staff hour task for high embankment fills and structural foundations for bridges, box culverts, walls, high mast lighting, overhead signs and mast arm signals, strain poles, building and other structures include the following:

15.24. DEVELOP DETAILED BORING LOCATION PLAN

Develop a detailed boring location plan. Meet with the CITY Geotechnical Project Manager for boring plan approval. If the drilling program expects to encounter artesian conditions, the FIRM shall submit a methodology(s) for plugging the borehole to the CITY for approval prior to commencing with the boring program.

15.25. STAKE BORINGS/UTILITY CLEARANCE

Stake borings and obtain utility clearance.

15.26. COORDINATE AND DEVELOP TTCPS FOR FIELD INVESTIGATION

Coordinate and develop TTCP. All work zone traffic control will be performed in accordance with the CITY's Roadway and Traffic Standard Plans Index 102 series.

15.27. DRILLING ACCESS PERMITS

Obtain all State, County, City, and Water Management District permits for performing geotechnical borings, as needed.

15.28. COLLECTION OF CORROSION SAMPLES

Collect corrosion samples for determination of environmental classification.

- 15.29. COORDINATION OF FIELD WORK**
Coordinate all field work required to provide geotechnical data for the PROJECT.
- 15.30. SOIL AND ROCK CLASSIFICATION – STRUCTURES**
Soil profiles recorded in the field should be refined based on the results of laboratory testing.
- 15.31. TABULATION OF LABORATORY DATA**
Laboratory test results should be tabulated for inclusion in the geotechnical report and for the necessary calculations and analyses.
- 15.32. ESTIMATE DESIGN GROUNDWATER LEVEL FOR STRUCTURES**
Review encountered groundwater levels, estimate seasonal high groundwater levels, and evaluate groundwater levels for structure design.
- 15.33. WALLS**
Provide the design soil profile(s), which include the soil model/type of each layer and all soil engineering properties required by the Engineer of Record for conventional wall analyses and recommendations. Review wall design for geotechnical compatibility and constructability.

Evaluate the external stability of conventional retaining walls and retained earth wall systems. For retained earth wall systems, calculate and provide minimum soil reinforcement lengths versus wall heights, and soil parameters assumed in analysis. Estimate differential and total (long term and short term) settlements.

Provide wall construction recommendations.
- 15.34. DESIGN SOIL PARAMETERS FOR SIGNS, SIGNALS, HIGH MAST LIGHTS, AND STRAIN POLES AND GEOTECHNICAL RECOMMENDATIONS**
Provide the design soil profile(s) that include the soil model/type of each layer and all soil properties required by the Engineer of Record for foundation design. Review design for geotechnical compatibility and constructability.
- 15.35. FINAL REPORTS – SIGN, SIGNALS, BOX CULVERT, WALLS, AND HIGH MAST LIGHTS**
The final reports shall include the following

Copies of U.S.G.S. and S.C.S maps with PROJECT shown.

Summary of structure background data, S.C.S., U.S.G.S, geologic and potentiometric data.

The results of all tasks discussed in all previous sections regarding data interpretation and analysis.

Recommendations for foundation installation, or other site preparation soils-related construction considerations with plan sheets as necessary.

Any special provisions required for construction that are not addressed in the CITY'S Standard specification.

An Appendix which includes SPT and CPT boring/sounding profiles, data from any specialized fields tests, engineering analysis, notes/sample calculations, sheets showing ultimate bearing

capacity curves versus elevation for piles and drilled shafts, a complete FHWA check list, pile driving records (if available), any other pertinent information.

Final reports will incorporate comments from the CITY and contain any additional field or laboratory test results, recommended foundation alternatives along with design parameters and special provisions for the contract plans. These reports will be submitted to the CITY Geotechnical Engineer for review prior to PROJECT completion. After review by the CITY Geotechnical Engineer, the reports will be submitted to the CITY Geotechnical Engineer in a final form and will include the following:

All original plan sheets (11'x17")

One set of all plan and specification documents, in electronic format, according to CITY requirements

Two sets of record prints

Six sets of any special provisions

All reference and support documentation used in preparation of contract plan package

Additional final reports (up to four), aside from stated above, may be needed and requested for the CITY's Project Manager and other disciplines.

The final reports, special provisions, as well as record prints, will be signed and sealed by a Professional Engineer licensed in the State of Florida.

Draft the detailed boring/sounding standard sheet, including environmental classification, results of laboratory testing, and specialized construction requirements, for inclusion in final plans.

15.36. SPT BORING DRAFTING

Prepare a complete set of drawings to include all SPT borings, auger borings and other pertinent soils information in the plans. Include these drawings in the Final Geotechnical Report. Draft borings, location map, S.C.S. map and U.S.D.A map as directed by the CITY. Soil symbols must be consistent with those presented in the latest Florida CITY of Transportation Soils and Foundations handbook.

15.37. TECHNICAL SPECIAL PROVISIONS AND MODIFIED SPECIAL PROVISIONS

15.38. FIELDS REVIEWS

Identify and note surface soil and rock conditions, surface, water conditions and locations, and preliminary utility conflicts. Observe and note nearby structures and foundation types.

- 15.39. TECHNICAL MEETINGS**
- 15.40. QUALITY ASSURANCE/QUALITY CONTROL**
- 15.41. SUPERVISION**
- 15.42. COORDINATION**

16. PROJECT REQUIREMENTS

16.1. LIAISON OFFICE

The CITY and the FIRM will designate a Liaison Office and a Project Manager who shall be the representative of their respective organizations for the PROJECT. While it is expected the FIRM shall seek and receive advice from various state, regional, and local agencies, the final direction on all matters of this PROJECT remain with the CITY Project Manager.

16.2. KEY PERSONNEL

The FIRM's work shall be performed and directed by the key personnel identified in the proposal presentations by the FIRM. Any changes in the indicated personnel shall be subject to review and approval by CITY.

16.3. PROGRESS REPORTING

The FIRM shall meet with the CITY as required and shall provide a written monthly progress report and approved schedule, schedule status, and payout curve or by using the earned value method that describes the work performed on each task. The report will include assessing PROJECT risk through monthly documentation of identifying and updating the risk category and approach for monitoring those tasks. Invoices shall be submitted after the CITY approves the monthly progress report and the payout curve or with earned value analysis. The Project Manager will make judgment on whether work of sufficient quality and quantity has been accomplished by comparing the reported percent complete against actual work accomplished.

16.4. CORRESPONDENCE

Copies of all written correspondence between the FIRM and any party pertaining specifically to this contact shall be provided to the CITY for their records within one (1) week of the receipt or mailing of said correspondence.

16.5. PROFESSIONAL ENDORSEMENT

The FIRM shall have a Licensed Professional Engineer in the State of Florida sign and seal all reports, documents, Technical Special Provisions and Modified Special Provisions, and plans as required by CITY standards.

16.6. COMPUTER AUTOMATION

The PROJECT will be developed utilizing Computer Aided Drafting and Design (CADD) systems. The CITY makes available software to help assure quality and conformance with policy and procedures regarding CADD. It is the responsibility of the FIRM to meet the requirements of the CITY's CADD Standards. The FIRM shall submit final documents and files as described therein.

16.7. COORDINATION WITH OTHER FIRMS

The FIRM is to coordinate his work with any and all adjacent and integral FIRMS so as to effect complete and homogenous plans and specifications for the PROJECT(s) described herein.

END OF SCOPE OF SERVICES

EXHIBIT B
24-D-00018, City of Tampa MacDill Air Force Base Access Improvements Project

MacDill AFB Impr. Project (Interbay Blvd.) CIP# 1002630

FPID: 45326-1-54-01

Activity No.	Activity	Project Fee								Activity Cost
		HNTB	Kittelson & Assoc	Applied Sciences	Echo	Dark Moss	ACI	Valerin	Arehna	
2	Project Common and General Tasks	\$116,650	\$14,556	\$12,705	\$0	\$4,976	\$0	\$37,134	\$0	\$186,021.26
3	Roadway Analysis	\$465,454	\$33,323	\$0	\$0	\$0	\$0	\$0	\$0	\$498,777.24
4	Roadway Plans	\$159,990	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$159,990.00
5a	Drainage Analysis	\$349,597	\$0	\$190,744	\$0	\$0	\$0	\$0	\$0	\$540,341.00
5b	Drainage Plans	\$111,098	\$0	\$14,180	\$0	\$0	\$0	\$0	\$0	\$125,278.00
6	Utilities	\$5,148	\$0	\$0	\$50,636	\$0	\$0	\$0	\$0	\$55,784.25
7	Env. Permits and Env. Clearances	\$2,002	\$0	\$38,394	\$0	\$0	\$109,840	\$0	\$0	\$150,235.80
8	Structures - Summary, Misc. Tasks, Dwgs.	\$1,037	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,036.80
9	Signing & Pavement Marking Analysis	\$19,896	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,896.00
10	Signing & Pavement Marking Plans	\$17,326	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,326.00
11	Signalization Analysis	\$8,951	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,951.00
12	Signalization Plans	\$1,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,750.00
13	Landscape Analysis	\$0	\$0	\$0	\$0	\$23,232	\$0	\$0	\$0	\$23,232.38
14	Survey - Field and Office Support	\$0	\$0	\$0	\$89,703	\$0	\$0	\$0	\$0	\$89,703.00
15	Geotechnical	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$21,506	\$21,506.00
Project Total		\$1,258,898.80	\$47,879.50	\$256,023.00	\$140,339.30	\$28,208.38	\$109,839.80	\$37,134.00	\$21,506.00	\$1,899,828.73
	Direct Expenses	\$75,000.00	\$0.00	\$1,000.00	\$0.00	\$0.00	\$0.00	\$1,500.00	\$35,622.21	\$113,122.21
Total Fee		\$1,333,898.80	\$47,879.50	\$257,023.00	\$140,339.30	\$28,208.38	\$109,839.80	\$38,634.00	\$57,128.21	\$2,012,950.94

COMPENSATION:

For performing the services identified in Exhibit A, an upset limit amount of \$2,012,950.94 has been established for the fee for the work described herein. Invoices will be submitted monthly along with the required DMI forms.

EXHIBIT C

CITY OF TAMPA INSURANCE REQUIREMENTS

Prior to commencing any work or services or taking occupancy under that certain written agreement or award (for purposes of this document, Agreement) between the City of Tampa, Florida (City) and Firm/Awardee/Contractor/Consultant/Lessee/non-City party, etc. (for purposes of this document, Firm) to which this document is attached and incorporated as an Exhibit or otherwise, and continuing during the term of said Agreement (or longer if the Agreement and/or this document so requires), Firm shall provide, pay for, and maintain insurance against claims for injuries to persons (including death) or damages to property which may arise from or in connection with the performance of the Agreement (including without limitation occupancy and/or use of certain property/premises) by Firm, its agents, representatives, employees, suppliers, subtenants, or subcontractors (which term includes sub-consultants, as applicable) of any tier subject to the terms and conditions of this document. Firm's maintenance of insurance coverage as required herein is a material element of the Agreement and the failure to maintain or renew coverage or provide evidence of same (defined to include without limitation Firm's affirmative duty to provide from time to time upon City's request certificates of insurance, complete and certified copies of Firm's insurance policies, forms, and endorsements, information on the amount of claims payments or reserves chargeable to the aggregate amount of coverage(s) whether during the term of the Agreement or after as may be requested by the City in response to an issue or potential claim arising out of or related to the Agreement to which Firm's insurance obligations hereunder may apply or possibly help mitigate) may be treated as a material breach of the Agreement. Should at any time Firm not maintain the insurance coverages required, City at its sole option (but without any obligation or waiver of its rights) may (i) terminate the Agreement or (ii) purchase such coverages as City deems necessary to protect itself (charging Firm for same) and at City's option suspending Firm's performance until such coverage is in place. If Firm does not reimburse City for such costs within 10 days after demand, in addition to any other rights, City shall also have the right to offset such costs from amounts due Firm under any agreement with the City. All provisions intended to survive or to be performed subsequent to the expiration or termination of the Agreement shall survive, including without limitation Firm's obligation to maintain or renew coverage, provide evidence of coverage and certified copies of policies, etc. upon City's request and/or in response to a potential claim, litigation, etc.

The City reserves the right from time to time to modify or waive any or all of these insurance requirements (or to reject policies) based on the specific nature of goods/services to be provided, nature of the risk, prior experience, insurer, coverage, financial condition, failure to operate legally, or other special circumstances. If Firm maintains broader coverage and/or higher limits than the minimums shown herein, the City requires and shall be entitled to such broader coverage and/or higher limits maintained by Firm. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City. No representation is made that the minimum insurance requirements are sufficient to cover Firm's interests, liabilities, or obligations. Required insurance shall not limit Firm's liability.

Firm acknowledges and agrees Firm and not the City is the party in the best position to determine applicability (e.g. "IF APPLICABLE"), confirm, and/or verify its insurance coverage. Acceptance by the City, or by any of its employees, representatives, agents, etc. of certificates or other documentation of insurance or policies pursuant to the terms of this document and the Agreement evidencing insurance coverages and limits does not constitute approval or agreement that the insurance requirements have been met or that coverages or policies are in compliance. Furthermore, receipt, acceptance, and/or approval of certificates or other documentation of insurance or policies or copies of policies by the City, or by any of its employees, representatives, agents, etc., which indicate less coverage than required does not constitute a waiver of Firm's obligation to fulfill these insurance requirements.

MINIMUM SCOPE AND LIMIT OF INSURANCE ¹

A. Commercial General Liability (CGL) Insurance on the most current Insurance Services Office (ISO) Form CG 00 01 or its equivalent on an "occurrence" basis (Modified Occurrence or Claims Made forms are not acceptable without prior written consent of the City). Coverage must be provided to cover liability contemplated by the Agreement including without limitation premises and operations, independent contractors, contractual liability, products and completed operations, property damage, bodily, personal and advertising injury, contractual liability, explosion, collapse, underground coverages, personal injury liability, death, employees-as-insureds. Products and completed operations liability coverage maintained for at least 3 years after completion of work. Limits shall not be less than \$1M per occurrence and \$2M general aggregate for Agreements valued at \$2M or less; if valued over \$2M, a general aggregate limit that equals or exceeds the Agreement's value. If a general aggregate limit applies; it shall apply separately to the project/location (ISO CG 2S 03 or 2S 04 or equivalent). (ALWAYS APPLICABLE)

B. Automobile Liability (AL) Insurance in accordance with Florida law, as to the ownership, maintenance, and use of all owned, non-owned, leased, or hired vehicles. AL insurance shall not be less than: (a) \$500,000 combined single limit each occurrence bodily injury and property damage for Agreements valued at \$100,000 or less or (b) \$1M combined single limit each occurrence bodily injury and property damage for Agreements valued over \$100,000. If transportation of hazardous material involved, the MCS-90 endorsement (or equivalent). (ALWAYS APPLICABLE)

C. Worker's Compensation (WC) & Employer's Liability Insurance for all employees engaged under the Agreement, Worker's Compensation as required by Florida law. Employer's Liability with minimum limits of (a) \$500,000 bodily injury by accident and each accident, bodily injury by disease policy limit, and bodily injury by disease each employee for Agreements valued at \$100,000 and under or (b) \$1M bodily injury by accident and each accident, bodily injury by disease policy limit, and bodily injury by disease each for all other Agreements. (ALWAYS APPLICABLE)

D. Excess (Umbrella) Liability Insurance for Agreements valued at \$2M or more, at least \$4M per occurrence in excess of underlying limits and no more restrictive than underlying coverage for all work performed by Firm. May also compensate for a deficiency in CGL, AL, or WC. (ALWAYS APPLICABLE)

E. Builder's Risk Insurance for property loss exposure associated with construction/renovation/additions to buildings or structures, including materials or fixtures to be incorporated. Must be "All Risk" form with limits of no less than the project's completed value, have no coinsurance penalties, eliminate the "occupancy clause", cover Firm (together with its contractors, subcontractors of every tier, and suppliers), and name City as a Loss Payee. (IF APPLICABLE)

F. Installation Floater coverage for property (usually highly valued equipment or materials such as compressors, generators, etc.) during its installation. Coverage must be "All Risk" including installation and transit for no less than 100% of the installed replacement cost value. (IF APPLICABLE)

G. Architects & Engineers Liability/ Professional Liability (E&O)/ Contractors Professional Liability (CPRL)/ Medical Malpractice Insurance where Agreement involves Florida-regulated professional services (e.g. architect, engineer, design-builder, CM, accountant, appraiser, investment banker medical professional) at any tier, whether employed or independent, vicarious design liability exposure (e.g. construction means & methods, design supervision), value engineering, constructability assessments/reviews, BIM process, and/or performance specifications. Limits of at least \$1M per occurrence and \$2M aggregate; deletion of design/ build liability exclusions, as applicable, and maintained for at least 3 years after completion of work/services and City's acceptance of same. (IF APPLICABLE)

H. Railroad Protective Liability (RPL) Insurance for construction within 50ft of operated railroad track(s) or where affects any railroad bridge, trestle, tunnel, track(s) roadbed, or over/under pass. Subject to involved rail road's approval prior to commencement of work. (IF APPLICABLE).

I. Pollution and/or Asbestos Legal Liability Insurance where Agreement involves asbestos and/or environmental hazards/contamination risks (defined broadly, e.g. lead, mold, bacteria, fuel storage, underground work, cleanup (owned or non-owned sites), pollutant generation/transportation, marine/natural resource damage, contamination claim, restitution, business interruption, mold, fungus, lead-based paint, 3rd party claims/removal, etc.), with limits of at least \$1M per occurrence and \$2M aggregate, maintained for at least 3 years after Agreement completion. (IF APPLICABLE)

J. Cyber Liability Insurance where Agreement involves portals allowing access to obtain, use, or store data; managed dedicated servers; cloud hosting services; software/hardware; programming; and/or other IT services

¹ "M" indicates million(s), for example \$1M is \$1,000,000

and products are involved. Limits of not less than \$2M per occurrence and \$2M aggregate. Coverage sufficiently broad to respond to duties and obligations undertaken by Firm, and shall include, but not be limited to, claims involving infringement of intellectual property/copyright, trademark, trade dress, invasion of privacy violations, damage to or destruction of electronic information, information theft, release of confidential and/or private information, alteration of electronic information, extortion, virus transmission, and network security. Coverage, as applicable and with sufficient limits to respond, for breach response costs, regulatory fines and penalties, credit monitoring expenses. (IF APPLICABLE)

K. Drone/UAV Liability Insurance where Agreements involves unmanned aerial vehicles/drones. Coverage to include products and completed operations, property damage, bodily injury with limits no less than \$1M per occurrence, and \$2M aggregate; may be provided by CGL endorsement subject to City's prior written approval. (IF APPLICABLE)

L. Longshore & Harbor Workers' Compensation Act/Jones Act for work being conducted near, above, or on "navigable waters" for not less than the above Employer's Liability Insurance limit. (IF APPLICABLE)

M. Garagekeeper/Hangerkeeper/Marina Operator Legal Liability Insurance and/or Hull/P&I Insurance where parking lot, valet, dealership, garage services, towing, etc. and/or operation of a hangar, marina, or air

plane/ship repairer, providing safe berth, air/watercraft storage/docking (on land/ in water), fueling, tours, charters, ferries, dredges, tugs, mooring, towing, boat/aircraft equipment/repair/alteration/maintenance, etc.; cover- age against liability for damage to vehicles air/watercraft, their machinery in Firm's care, custody, or control both private & commercial. Limits at least equal to greater of \$1M, value of max number of vehicles that may be in Firm's custody, or of most costly object in Firm's custody. (IF APPLICABLE)

N. Property Insurance and Interruption of Business (IOB) Insurance where premises, building, structure, or improved real property is leased, licensed, or otherwise occupied by Firm. Property Insurance against all risks of loss to any occupant/tenant improvements at full replacement cost with no coinsurance penalty, including fire, water, leak damage, and flood, as applicable, vandalism and malicious mischief endorsements. IOB by which minimum monthly rent will be paid to City for up to 1 year if premises are destroyed, rendered inaccessible or untenable, including disruption of utilities, water, or telecommunications. (IF APPLICABLE)

O. Liquor Liability/Host Liquor Liability where Firm directly or indirectly provides alcoholic beverages, limits of at least \$1M per occurrence and \$1M aggregate. (IF APPLICABLE)

P. Educators Legal Liability Insurance where day care, after school program, recreational activities, etc. limits per G above. (IF APPLICABLE)

ADDITIONAL REQUIREMENTS

ACCEPTABILITY OF INSURERS- Insurance is to be placed with insurers admitted in the State of Florida and who have a current A.M. Best rating of no less than A-:VII or, if not rated by A.M. Best, as otherwise approved by the City in advance and in writing.

ADDITIONAL INSURED - City, its elected officials, departments, officers, officials, employees, and volunteers together with, as applicable, any associated lender of the City shall be covered as additional insureds on all liability coverage (e.g. CGL, AL, and Excess (Umbrella) Liability) as to liability arising out of work or operations performed by or on behalf of Firm including materials, parts, or equipment furnished in connection with such work or operations and automobiles owned, leased, hired, or borrowed by or on behalf of Firm. Coverage can be provided in the form of an endorsement to Firm's insurance (at least as broad as ISO Form CG 20 10 11 85 or both CG 10 20, CG 20 26, CG 20 33, or CG 20 38 and CG 20 37 if later revisions used).

CANCELLATION/NON-RENEWAL - Each insurance policy shall provide that at least 30 days written notice must be given to City of any cancellation, intent to non-renew, or material reduction in coverage (except aggregate liability limits) and at least 10 days' notice for non-payment of premium. Firm shall also have an independent duty to notify City in like manner, within 5 business days of Firm's receipt from its insurer of any notices of same. If any policy's aggregate limit is reduced, Firm shall directly take steps to have it reinstated. Notice and proof of renewal/continued coverage/certifications, etc. shall be sent to the City's notice (or Award contact) address as stated in the Agreement with a copy to the following:

Contract Administration Department, 306 E Jackson St, Tampa, FL 33602 Purchasing Department, 306 E Jackson Street, Tampa, FL 33602

Other: _____

CERTIFICATE OF INSURANCE (COI) - to be provided to City by insurance carrier prior to Firm beginning any work/services or taking occupancy and, if the insurance expires prior to completion of the work or services or Agreement term (as may be extended), a renewal COI at least 30 days before expiration to the above address(es). COIs shall specifically identify the Agreement and its subject (project, lease, etc.), shall be sufficiently comprehensive to insure City (named as additional insured) and Firm and to certify that coverage extends to subcontractors' acts or omissions, and as to permit the City to determine the required coverages are in place without the responsibility of examining individual policies. **Certificate Holder must be The City of Tampa, Florida.**

CLAIMS MADE - If any liability insurance is issued on a claims made form, Firm agrees to maintain such coverage uninterrupted for at least 3 years following completion and acceptance of the work either through purchase of an extended reporting provision or purchase of successive renewals. The Retroactive Date must be shown and be a date not later than the earlier of the Agreement date or the date performance/occupancy began thereunder.

DEDUCTIBLES/ SELF-INSURED RETENTIONS (SIR) - must be disclosed to City and, if over \$500,000, approved by the City in advance and in writing, including at City's option being guaranteed, reduced, or eliminated (additionally if a SIR provides a financial guarantee guaranteeing payment of losses and related investigations, claim administration, and defense expenses). Firm shall be fully responsible for any deductible or SIR (without limiting the foregoing a policy with a SIR shall provide or be endorsed to provide that the SIR may be satisfied by either the City or named insured). In the event of loss which would have been covered but for a deductible or SIR, City may withhold from any payment due Firm, under any agreement with the City, an amount equal to same to cover such loss should full recovery not be obtained under the policy.

PERFORMANCE- All insurance policies shall be fully performable in Hillsborough County, Florida (the County), and construed in accordance with Florida law. Further, all insurance policies must expressly state that the insurance company will accept service of process in the County and that the exclusive venue for any action concerning any matter under those policies shall be in the appropriate state court of the County.

PRIMARY POLICIES - Firm's insurance coverage shall be primary insurance coverage at least as broad as ISO CG 20 01 04 13 as to the City, its elected officials, departments, officers, employees, and volunteers. Any insurance or self-insurance maintained by the City, its elected officials, departments, officers, employees, and volunteers shall be excess of the Firm's insurance and shall not contribute with it.

SUBCONTRACTORS/INDEPENDENT ASSOCIATES/CONSULTANTS/SUBTENANTS/SUBLICENSEE - Firm shall require and verify that all such entities maintain insurance meeting all requirements stated herein with the City as an additional insured by endorsement (ISO FORM CG 20 38, or broader) or otherwise include such entities within Firm's insurance policies. Upon City's request, Firm shall furnish complete and certified copies of copies of such entities' insurance policies, forms, and endorsements.

SUBCONTRACTOR DEFAULT INSURANCE CONTROLLED INSURANCE PROGRAM, WRAP-UP. Use requires express prior written consent of City Risk Manager.

UNAVAILABILITY- To the fullest extent permitted by law, if Firm is out of business or otherwise unavailable at the time a claim is presented to City, Firm hereby assigns to the City all of its right, title and interest (but not any liabilities or obligations) under any applicable policies of insurance.

WAIVER OF SUBROGATION - With regard to any policy of insurance that would pay third party losses, Firm hereby grants City a waiver of any right to subrogation which any insurer of Firm may acquire against the City by virtue of the payment of any loss under such insurance. Firm agrees to obtain any endorsement that may be necessary to affect such waiver, but this provision shall apply to such policies regardless.

WAIVER/RELEASE AGREEMENT - Where Firm has a defined group of persons who might be exposed to harm (e.g. participants in an athletic event/program, volunteers) any waiver or release agreement used by Firm whereby such persons (and their parent/guardian as applicable) discharge Firm from claims and liabilities, shall include the City, its elected officials, departments, officers, officials, employees, and volunteers to the same extent as Firm.

Failure to Complete, Sign and Submit Both Forms 10 & 20 SHALL render the Bid or Proposal Non-Responsive

Page 1 of 4 – DMI Solicited/Utilized Schedules

**City of Tampa – Schedule of All Solicited Sub-(Contractors/Consultants/Suppliers)
(FORM MBD-10)**

Contract No: 24-D-00018 Contract Name: MacDill Air Force Base Improvements Project (Interbay Blvd.); CIP# 1002630
 Company Name: HNTB Corporation Address: 201 N. Franklin Street, Suite 1200, Tampa, FL 33602
 Federal ID: 43-1623092 Phone: 813-402-4150 Email: lebecker@hntb.com

Check applicable box(es). Detailed Instructions for completing this form are on page 2 of 4.

No Firms were contacted or solicited for this contract.

No Firms were contacted because: _____

See attached list of additional Firms solicited and all supplemental information (List must comply to this form)

Note: Form MBD-10 must list ALL subcontractors solicited including Non-minority/small businesses

NIGP Code Categories: Buildings = 909, General = 912, Heavy = 913, Trades = 914, Architects = 906, Engineers & Surveyors = 925, Supplier = 912-77

S = SLBE W=WMBE O = Neither	Company Name Address Phone, Fax, Email	Type of Ownership (F=Female M=Male) BF BM = African Am. HF HM = Hispanic AF AM = Asian Am. NF NM = Native Am. CF CM = Caucasian	Trade or Services NIGP Code (listed above)	Contact Method L=Letter F=Fax E=Email P=Phone	Quote or Response Received Y/N
Federal ID					

Failure to Complete, Sign and
Submit this form with your Bid or
Proposal
Shall render the Bid Non-
Responsive
(Do Not Modify This Form)

It is hereby certified that the information provided is an accurate and true account of contacts and solicitations for sub-contracting opportunities on this contract.

Signed: Leonard C. Becker Name/Title: Leonard Becker / Sr. Vice President Date: 6/25/2025

**Failure to Complete, Sign and Submit Both Forms 10 & 20 SHALL render the Bid or Proposal Non-Responsive
Forms must be included with Bid / Proposal**

HNTB Corporation MBD-10 Attachment

S = S/BE W=WM/BE O = Neither	Company Name Address Phone, Fax, Email	Type of Ownership (F=Femate M=Male) BF BM = African Am. HF HM = Hispanic AF AM = Asian Am. NF NM = Native Am. CF CM = Caucasian	Trade or Services NIGP Code (Listed above)	Contact Method L=Letter F=Fax E=Email P=Phone	Quote or Response Received Y/N
FEDERAL ID					
S	Applied Sciences Consulting, Inc. 1000 North Ashley Drive, Suite 500. Tampa, FL 33602 (813) 228 0900, (813) 434 2454, earaj@appliedfl.com	CM	925	E	Y
20-3212557					
W	Archaeological Consultants, Inc. 8110 Blakie Court, Suite A, Sarasota, FL 34240/(941) 379-6206; mktcs@acflorida.com	CF	912	E	Y
59-1712538					
W	AREHNA Engineering, Inc. 5012 W. Lemon Street, Tampa, FL 33609 Ph: 813-944-3464, Fax: 813-944-4959, ejmcroy@arehna.com	CF	925	E	Y
26-3947444					
S	Dark Moss 308 E 7th Ave, Tampa, Florida 33602; 813-532-3440; info@darkmoss.com	AM	906	E	Y
83-1239282					
O	ECHO UES, Inc. 4803 George Rd., Suite 350 Tampa, Florida 33634 888-778-3246, jerry.comellas@echoues.com	HM	925	E	Y
81-4903226					
O	Kittelson & Associates, Inc. 400 N Tampa St, Suite 1360 Tampa, FL 33602	CM	925	E	Y
93-0964447					
W	The Valerin Group 3810 Northdale Boulevard, Suite #280, Tampa, FL 33624 (813) 751-0478 (813) 925-4205 (f) valeretc@valerinn-group.com	CF	912	E	Y
33-1142500					

HNTB Corporation MBD-20 Attachment

S = SLBE W=WMBE O = Neither	Company Name Address Phone, Fax, Email	Type of Ownership (F=Female M=Male) BF BM = African Am. HF HM = Hispanic AF AM = Asian Am. NF NM = Native Am. CF CM = Caucasian	Trade or Services NIGP Code (listed above)	\$ Amount of Quote. Letter of Intent (LOI) if available	Percent of Scope or Contract %
FEDERAL ID					
S	Applied Sciences Consulting, Inc. 1000 North Ashley Drive, Suite 500, Tampa, FL 33602 (813) 228 0900, (813) 434 2454, earaj@appliedfl.com	CM	925	\$ 257,023.00	12.77%
20-3212557					
W	Archaeological Consultants, Inc. 8110 Blakie Court, Suite A, Sarasota, FL 34240/(941) 379-6206; mkles@acflorida.com	CF	912	\$ 109,839.80	5.46%
59-1712538					
W	AREHNA Engineering, Inc. 5012 W. Lemon Street, Tampa, FL 33609 Ph: 813-944-3464, Fax: 813-944-4959, ejmcrory@arehna.com	CF	925	\$ 57,128.21	2.84%
26-3947444					
S	Dark Moss 308 E 7th Ave, Tampa, Florida 33602; 813-532-3440; info@darkmoss.com	AM	906	\$ 28,208.38	1.40%
83-1239282					
O	ECHO UES, Inc. 4803 George Rd., Suite 350 Tampa, Florida 33634 888-778-3246, jerry.comellas@echoues.com	HM	925	\$ 140,339.30	6.97%
81-4903226					
O	Kittelson & Associates, Inc. 400 N Tampa St, Suite 1360 Tampa, FL 33602	CM	925	\$ 47,879.50	2.38%
93-0964447					
W	The Valerin Group 3810 Northdale Boulevard, Suite #280, Tampa, FL 33624 (813) 751-0478 (813) 925-4205 (f) valerinc@valerin-group.com	CF	912	\$ 38,634.00	1.92%
33-1142500					