

First Amendment to Professional Services Agreement between the City of Fort Lauderdale and Kimley-Horn and Associates, Inc.

CITY PROJECT No. P11681

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

Almond Avenue and SR A1A Streetscape Projects

PROFESSIONAL SERVICES

This is Amendment No.1 to the Contract (636-11169) between the City of Fort Lauderdale and Kimley-Horn and Associates, Inc. (hereinafter referred to as the CONSULTANT) who shall perform the following professional services related to a contract for Civil Engineering and Landscape Architecture Services for the Almond Avenue and SR A1A Streetscape Project for the City of Fort Lauderdale (hereinafter referred to as the CITY).

The City of Fort Lauderdale's Beach Community Redevelopment Agency (CRA) will sunset in 2020. The Beach CRA has been very successful in its contribution to the economy of our City and advancing the identity of Fort Lauderdale into a year-round international tourist destination, as well as home to all within our community.

The Almond Avenue and SR A1A Streetscape Projects are part of implementing the overall Central Beach Master Plan adopted by the City Commission. The planned enhancements have the opportunity and responsibility to culminate the Fort Lauderdale Beach experience. Creating a strong visual and physical connection to the beach, prioritizing people over vehicles, creating flexible outdoor spaces for day and evening gatherings, and special events is crucial to the success of the improvements. It is assumed the projects will be completed within a two year period and will be designed simultaneously on the same schedule.

The overall goals for these project elements include:

- A focus on creating pedestrian priority within the corridor;
- The creation of a world-class legacy project for the community;
- Keeping an eye on the vision of the future; with an understanding of future redevelopment, transportation innovations, future population demands, climatic change and future programming for beach events and activities;
- Sustainability through environmentally conscious planning and design, understanding future maintenance requirements as well as the incorporation of green roadway design and LEED principles;
- Creating a memorable and iconic place on the beach;

Specific Project Limits are identified in Exhibit 1.

SCOPE OF SERVICES AND DELIVERABLES

PROJECT BACKGROUND

The projects' design will be implemented in two (2) parts in order to develop the proposed concepts and build consensus with stakeholders of the community. Phase I will include design services associated with the refinement of the concept (15% Concept Design Plans) and design services to bring the projects to 30% drawings (Schematic Design). This will include development of the preliminary plans and estimates at 15% and 30% milestones to be presented to stakeholders, the Beach Redevelopment Advisory Board and the City Commission to ensure consensus of the scope and financial commitment of the project. Phase I will be integrated and coordinated with the Las Olas Corridor project and schedule. Phases II through III of the project will be the second part and will include further development of the 30% plans through Detailed Design and Construction Support Services and will be included as part of this agreement. **Phase II will commence after City authorization.** Almond Avenue and SR A1A will run on the same schedule.

The key elements of the projects are the strategic implementation of the following improvements:

Almond Avenue Project -

- Almond Ave reconstruction and enhancements,
- Banyan Street reconstruction from Seabreeze Blvd to Almond Ave
- South side of Poinsettia St reconstruction from Almond Ave to just West of SR A1A

SR A1A Project -

- West side SR A1A (from North end of Fort Lauderdale Beach Park to Alhambra Street)
- East side SR A1A (from north end of Fort Lauderdale Beach Park to Alhambra Street)
- Restroom building and intersection reconfiguration at Sebastian St and SR A1A
- West side SR A1A pedestrian lighting (from Alhambra Street to Sunrise Boulevard)

The critical urban design principles that will inform the design as described by the Central Beach Master Plan and the Beach Community Redevelopment Plan will include:

- Pedestrian connectivity
 - Enhance connectivity to create a continuous Central Beach experience
- Gathering Places
 - Create a variety of usable public spaces for daily use as well as special events and performances. Plan for infrastructure needs for special events, but design spaces that are memorable, iconic, and work on a day to day basis.
 - Create places for families and children
- Streetscape and Parking
 - Allow for multi-modal transportation to work (Trams, Sun Trolley, Busses, Water Taxis, Pedestrians, Cars and bikes). Create great spaces for the interface of these modes, when appropriate – station, stops, etc.
 - Re-establish and enhance the branding of the beach and the streetscape vocabulary through site elements, landscape, hardscape and lighting.
- Make it Iconic and Memorable
 - Our City has been, and will continue to be known because of our beach. The SR A1A Corridor Improvements will provide an opportunity to further enhance this brand and become the iconic beach place in all of Florida.

The CONSULTANT team and City's Project Manager will coordinate frequently for concurrence prior to proceeding with the individual tasks.

ALMOND AVENUE

PHASE I:

STAGE ONE: RECONNAISSANCE / STUDIES / OUTREACH

Duration: 3 months

The specific design objectives of Almond Avenue and Banyan Street are as follows:

- Widen sidewalk/narrow pavement
- One way Almond Avenue
- Undergrounding of overhead utilities
- Ability to close street to vehicular traffic for events
- Basic streetscape and hardscape
- Street lighting
- For Poinsettia Street, the objective is to underground the overhead utilities and reconstruct sidewalk on the south side.

It is understood that while all data collection is listed below in stage one, not all of it will be performed during that stage. For example, geotechnical and some subsurface utility work may be performed in Phase II.

A. Project Mobilization and Kick-off Meeting

1. Project setup – Establish project folders and contracts and procedures.
2. Team kick-off - CONSULTANT will hold a team meeting to discuss procedures, establish responsibilities, communication protocols, project database, file structures and quality control (QC) measures. Meeting results in a document to be shared with team outlining expectations.
3. Establish project's detailed schedule and review with team. Assumed same schedule as SR A1A.
4. CONSULTANT will request and receive information from City and CRA of existing studies / past studies / base information recent or proposed development. CONSULTANT will catalog and distribute information to individual team members.
5. Project kick-off meeting with City Staff – coordinate meeting date with City and team to receive all information from City at one time. Assumes meeting will be combined with SR A1A meeting. City to prepare agenda.
6. Follow-up staff meeting with City.

B. Review of Existing data / Collection of additional base data

1. Review of existing data and previous studies provided by City including hard copy plans, as-built plans and CADD files (Survey, water and sewer, site plans, stormwater). Draw City utilities in CADD and Manipulate CADD files to complete base drawings and coordinate with City's departments to confirm accuracy.
2. Coordinate with surveyor and conduct a field review to verify design survey, document existing sign inventory, cross reference existing utilities to plans and document right of way encroachments / issues.
3. Obtain FDOT record plans and right of way maps and review against survey and field conditions at the Las Olas, Seabreeze Blvd and Poinsettia Street intersections.
4. Investigate permit requirements with City, County, State and Federal agencies (refer to list of agencies in permits section). Research agencies' records, and coordinate retrieval of information and permit records with the agencies. Review permit records and information received from agencies, summarize results and document.
5. Perform review of bicycle and pedestrian mobility and connectivity. Consider width of pedestrian zone width, bicycle and transit connectivity, and bicycle parking.
6. Identify transit facilities.

7. Conduct ADA review for the project and document all deficiencies and proposed improvements.
8. Assessment of existing parking potentially impacted by the project. Document count including metered parking and provide to the City.
9. CONSULTANT in conjunction with City shall establish design speed limits for the project. Based on that CONSULTANT shall prepare a technical design criteria document that lists roadway geometric and design criteria and submit to City for review and acceptance, as this is important to establish design parameters.
10. Research and coordinate with City and street light fixtures representatives to obtain technical information including photometric specifications for the chosen fixture.
11. Utility Coordination –
 - i. Coordinate with utility companies, establish contacts, and prepare a utility coordination status matrix to document plan transmittal and status. Transmit base plans to all utility companies to allow them to mark their existing and proposed facilities.
 - ii. Receive marked plans, review them along with available as-built plans and document it. From the marked up existing utility information received from utility companies, draw the existing utilities in CADD as part of the base drawings.
 - iii. Compare received information with field survey and conduct a field review to confirm the information.
12. Traffic –

The City will provide CONSULTANT with direction on converting Almond Ave to one way street. CONSULTANT will not prepare a traffic study or analysis, but will meet once with City to receive direction.
13. Discuss with City alternate materials related to climate change.
14. Geotechnical / soil studies

CONSULTANT will coordinate with geotechnical subconsultant to provide the following services:

All work performed will be in general accordance with Broward County and FDOT standards. The proposed scope work for the improvement is as follow:

 - The project includes reconstruction of a couple of blocks of City streets which will include drainage, decorative lights and landscaping.
 - CONSULTANT'S geotechnical subconsultant will drill auger borings to a depth 5 feet deep for the street improvement (maximum 4 borings) to define soil types under proposed pavement reconstruction.
 - Perform pavement cores to determine the existing pavement thickness which consists of a maximum of 1 core for each of the city streets for a total of 3.
 - Perform a maximum of 1 Borehole Permeability for the drainage improvements.
 - Perform a maximum of 1 SPT boring to a depth of 15 feet for the street lights.

No LBR tests will be provided as City will provide pavement design in accordance with City Standards.

15. Survey

The CONSULTANT will prepare a Topographic Survey for a portion of Almond Avenue, Banyan Street and Poinsettia Street. The limits of the survey will be from the north edge of pavement of Las Olas Boulevard to Poinsettia Street along Almond Avenue and from the west edge of pavement of Almond Avenue to the east edge of pavement of Seabreeze Boulevard along Banyan Street and from the Almond Avenue to the west edge of pavement of SR A1A along Poinsettia Street. Topographic features will be collected within and 10-feet outside the right-of-way lines. Cross-sections will be taken at 25-foot intervals and at substantial grade break. All above ground improvements will be located within the above described limits including pavement markings, trees (3-inch DBH and above with common species name), underground utility markings and invert elevations on drainage and sanitary structures. CONSULTANT will obtain FDOT right-of-way maps. Existing right of way lines and side lots lines will be established. Horizontal datum for the project will be North American Datum of 1983 with the 2011 adjustment applied (NAD '83/2011). Vertical datum for the project will be North American Vertical Datum of 1988 (NAVD '88). The Topographic Survey shall conform to the Minimum Technical Requirements as set forth by the Florida Board of Professional Surveyors and Mappers. Surveyor will pick up field markings by utility agencies. Title search is not anticipated and not included.

16. Subsurface Utility Designation, Locating and Mapping Services

CONSULTANT is to provide professional services associated with "softdig", location and mapping of existing subsurface utilities which may be in conflict with the proposed improvements for the Almond Avenue Reconstruction Project.

C. Refinement of a site opportunities and constraints plan

1. An important document in which to utilize as a tool to present to the public and City Leadership on the goals and objectives of the project while understanding and presenting the physical, environmental, regulatory and social/cultural opportunities and constraints of the site area.
 - i. CONSULTANT shall prepare a diagram that graphically presents the site's opportunities and constraints.
2. One review of diagram by City.

D. Public information

1. Public information meetings. CONSULTANT will assist City to plan, manage and conduct the outreach program. CONSULTANT shall attend the following meetings which will be combined with SR A1A project meetings.
 - i. City Commission (one [1] meeting)
 - ii. Beach Redevelopment Advisory Board (one [1] meeting)
 - iii. Central Beach Alliance (one [1] meeting)
 - iv. Business Associations (i.e. Greater Fort Lauderdale Chamber of Commerce, Broward Workshop, etc.) (up to three [3] meetings)
2. CONSULTANT shall prepare for each of these meetings by developing PowerPoint exhibits and compilation of work prepared to date.

E. Progress discussions / meetings with staff / BRAB meeting attendance

1. Up to two (2) meetings with BRAB

F. Preparation of monthly reports (up to three [3])

1. CONSULTANT to provide memorandum and graphics already prepared for the project and will rely upon City Staff to disseminate materials to public. City staff will tailor material provided by CONSULTANT to suit their outreach program.

It is assumed all meetings in this phase will be combined with the SR A1A project meetings.

Task Deliverables

- Review of base information – technical memorandum outlining review of data
- Refinement of Site Opportunities and Constraints Plan and technical memorandum outlining opportunities and constraints (Project Design Assumptions)
- Preparation of monthly reports (up to three (3) reports, CONSULTANT will assist City Staff to disseminate to the public.
- Summary of progress.
- Technical design criteria document
- Memos for permit requirement, bike and ADA issues.
- Geotechnical report
- Parking impact assessment
- Project base map to send to utility companies
- Updated Survey and base map for design.
 - Roadway design and topographic survey
 - Utility locates (above ground designation and some softdig locating)
 - Right-of-way and side lots lines.

STAGE TWO: CONCEPTUAL PLANNING (15% DESIGN PLANS)

Duration: 4 Months

Concurrently, as much as possible with Stage One, the CONSULTANT will focus on the development of preliminary conceptual alternatives for the streetscape project. These alternatives will be based on the understanding and outreach developed during the Stage One work. The alternatives will illustrate the programmatic elements of the project.

A. Development of preliminary conceptual plans of the following programmatic elements

1. Almond Avenue, Banyan Street and Poinsettia Street
 - i. CONSULTANT shall refine the base map CADD drawing that delineates right of way, easements and existing utilities for the three City streets that will require reconstruction and or modification based on information provided by City and utility agencies.
 - ii. Roadway Design Analysis – CONSULTANT will develop existing cross sections at no less than 50' intervals and existing roadway profile to review roadway cross slopes, tie-in to adjacent property elevations, roadway profile and drainage patterns. CONSULTANT will review the above information along with the base map and the established technical design criteria in the process of evaluating alternative typical sections. CONSULTANT shall analyze the information and in conjunction with the roadway engineer and landscape architect develop up to two typical section alternatives for Almond Avenue and Banyan Streets and one half typical section (south side) for Poinsettia Street. CONSULTANT shall develop preliminary plan concepts along with the typical sections for one alternative and analyze the following
 1. curb type and sidewalk width, bike facilities and transit accommodations.
 2. Street light design
 3. Access and delivery trucks
 4. Preliminary Drainage concept
 5. Tie-in to existing properties, driveways and easements and roads
 6. Preliminary location and spacing of all underground lines including storm sewer and relationship to proposed features including landscaping and lighting.
- After receipt of input from City and stakeholders, CONSULTANT shall revise the roadway typical section and corresponding concept plan.

- iii. Landscape and Hardscape Concepts – CONSULTANT’S landscape architect will coordinate with the roadway engineer on above tasks and shall develop landscape and hardscape concept plans and typical section renderings as stated below
1. Landscape and hardscape improvements
 2. Typical section rendering (after selection of preferred typical section)
 3. Paving and walkway material and artistic designs
 4. Site furnishings
 5. Street light fixture types
 6. Street closure locations
- After receipt of input from City and stakeholders, CONSULTANT shall revise the typical section and corresponding concept plan.
- iv. Street Lighting Design – CONSULTANT shall coordinate with City staff to select details of light fixtures, pole material and lighting criteria to replace existing lighting. Consideration will be given to pedestrian and vehicular traffic needs as well as sea turtle impacts. After City approves design criteria and light fixture selection, CONSULTANT shall consider location of poles relative to other street features and perform lighting photometric analysis to determine spacing. CONSULTANT shall prepare the following and submit to City for review
1. Lighting fixture detail sheet
 2. Photometric analysis results on roadway plan sheets
- It is assumed a lighting analysis or justification report is not required.
- v. Underground plans for overhead utilities
- CONSULTANT shall coordinate with the City and utility agency owners (UAOs) to place their existing overhead utilities underground as defined below.
1. CONSULTANT will coordinate with utility companies to identify all companies and their representatives who will be responsible for the undergrounding work and to establish their minimum requirements for converting to underground lines. CONSULTANT will request cost preliminary budget estimates from UAOs and provide to the City. This effort will require up to three meetings and assumes undergrounding of up to three utility companies’ facilities (Power, telephone, cable).
 2. Coordinate details of required underground utility easements for utility lines and for above ground switch cabinets. Analyze impact of easements on other roadway features such as sidewalk, landscaping and drainage and coordinate with City staff regarding those easements. This effort will require a meeting with City staff and utility companies.
 3. Coordinate proposed location of utilities and separation from other underground lines. Coordinate with UAO’s to agree on trench details.
 4. The responsible UAO will provide design and size lines and conduits of their facilities. CONSULTANT’S conduit plan may be provided to UAO’s to allow them to design their own biddable plans.
 5. Prepare utility location layout in plan view and trench cross section details and provide to UAO’s for their review and comments.
 6. Prepare and invite for a utility meeting of all UAOs to discuss proposed design and potential impact on their facilities.
- It is assumed design of modifications to City’s water and or sewer lines is not included in the scope of work.
- vi. Utility Coordination
- CONSULTANT shall coordinate with utility agency owners (UAOs) throughout the design process. UAOs shall be responsible to provide specific and accurate X, Y, Z information on their facilities.

1. CONSULTANT will coordinate with utility companies to identify all companies and their representatives.
2. CONSULTANT will prepare submittals to UAOs at project submittal phases.
3. CONSULTANT will prepare and invite for a pre-design utility meeting of all UAOs to discuss proposed design
4. CONSULTANT will prepare and invite for a conflict resolution utility meeting of all UAOs to agree on resolution and responsibilities for any additional costs.

It is assumed the utility coordination effort and meetings will be conducted with the SR A1A project.

vii. Conceptual drainage

CONSULTANT shall develop drainage design to replace the existing system for the reconstructed streets. The drainage design and analysis will be limited to within the reconstruction areas at the point of connection to other existing drainage systems and will not extend offsite to system outfalls.

CONSULTANT shall perform the items below.

1. Review existing drainage patterns including relationship to adjacent properties.
2. Review record plans against survey and coordinate with City to confirm functionality of systems.
3. Request and obtain record of neighbor complaints and maintenance from City staff.
4. Review in the field and interview available adjacent property owners regarding their observations.
5. Document stormwater design requirements.
6. Prepare stormwater quantity and quality calculations
7. Research and discuss with City water quality provisions including sustainable design.
8. Coordinate with landscape architect regarding location of landscape provisions as related to stormwater

viii. Develop intersection of Almond Ave. with Las Olas Blvd. for connectivity and continuity to the south side of Las Olas Blvd (Oceanside Plaza).

1. Design intersection to allow for off-peak road closures to only allow pedestrian and bike traffic.
2. Design of intersection concepts and midblock crossing of Las Olas Blvd to be included under Las Olas project.

ix. Identify opportunity to incorporate sustainable designs and prepare memo.

x. Coordinate with City staff responsible for maintenance of roadway, drainage, lighting, etc. and incorporate comments as appropriate.

Preliminary (15%) concept plan drawing packages will be prepared that will include the necessary disciplines, from the list below:

- Roadway Plans

- a. Survey of Existing Conditions, including topographic survey, right of way and side lot lines
- b. Cover Sheet
- c. Project sheet layout
- d. General Notes (N/A)
- e. Horizontal and vertical control sheet (N/A)
- f. Roadway Typical Sections
- g. Paving, Grading and Drainage
- h. Roadway (existing Cross Sections)

- i. Undergrounding Overhead Utilities Layout and trench Plans
 - j. Lighting Photometric Plans
- Landscape and Hardscape Plans
 - a. Typical section renderings
 - b. Landscape concept plans
 - c. Hardscape concept plans
 - d. Site furnishing details

Submit plans to City for review.

B. Development of preliminary renderings

Develop a rendering for Almond Avenue Corridor.

C. Public Meetings

1. BRAB meeting (up to two (2) meetings)
2. City Commission Meetings: Preliminary 15% design presentation, up to two (2) meetings
3. Stakeholder meetings (up to two (2) meetings)
4. City Staff review meeting (one [1]) of preliminary 15% design presentation and public comment
5. CONSULTANT shall prepare for each meeting through the compilation of materials prepared to date. All meetings will be combined with SR A1A meetings.

D. On-Going staff meetings / preparation of progress reports

1. Up to four (4) meetings
 - i. The meetings will be combined with SR A1A meetings.
2. Up to four (4) progress reports
 - i. CONSULTANT to provide progress reports.

E. Preliminary permit coordination

Provide permitting coordination and summarize in a memo for the following agencies:

1. Florida Department of Transportation (Design, Traffic Ops, Modal Development, right of way and permits offices). It is assumed drainage permit is not required.
2. South Florida Water Management District (SFWMD ERP) and dewatering
3. City of Fort Lauderdale Engineering
4. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
5. Broward County Environmental Regulation Division, Dewatering

F. City Staff and CONSULTANT review of public input

1. Preparation for and participation in one (1) meeting with City staff
 2. Preparation of meeting notes from meeting.
- Meetings will be combined with SR A1A project meetings.

G. Refine Preliminary Concept Plans, based on public input for confirmation by City

1. City Commission
2. Beach Redevelopment Advisory Board
3. Others as City staff deems appropriate

H. Opinions of Probable Construction Cost Estimates

1. Develop Estimates including alternatives.
2. Separate Cost for each project.
3. Prepare and submit Conceptual Project Budgets Order of Magnitude Estimates. For all projects and construction cost estimates throughout the life of projects, the CONSULTANT has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to CONSULTANT at this time and represent only the CONSULTANT'S judgment as a design professional familiar with the construction industry. The CONSULTANT cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs. At the conceptual level contingencies of 20% - 25% will be included, which is the industry standard. For subsequent phases, the contingency will be reduced and will vary. At the final phase of construction documents, a contingency percentage will be included to cover the bidding process. Another inflation percentage will be added based on the

anticipated bid time. Bid alternates for materials or tree size/species may be provided to provide additional flexibility.

I. Right of Way and Easements

1. CONSULTANT will provide limited assistance to the City with the necessary processes associated with potential temporary construction easements. During this phase CONSULTANT will provide City with potential easement needs based on proposed typical sections and average width of encroachment. All required agreements and supporting documents to be provided by City.

Deliverables:

- Preliminary Conceptual Design Package in electronic PDF format
- Typical Section Renderings
- Preparation of monthly reports
- Final Conceptual Design Package (15% Plans) in electronic PDF format
- Preparation of document for potential temporary construction easements.
- Preparation of conceptual project budgets
- Memo on permits and sustainability

STAGE THREE: SCHEMATIC DESIGN (30% DESIGN PLANS) / OUTREACH

Duration: 4 Months

Once the strategic implementation strategy of improvements has been refined and determined during Phase One, the CONSULTANT will embark upon the 30% design plans of the proposed improvements.

A. Schematic Design (30% Plans)

During this phase of work, the overall project will be developed in sufficient detail to revise and describe the project elements, as well as to further refine the character of the improvements.

1. Based on City comments and selected typical section alternative, CONSULTANT shall proceed with development of design to 30% completion as stated below.
 - i. Review and address City comments.
 - ii. Roadway Design Analysis – CONSULTANT shall refine the selected typical section and design proposed profile grade lines. Based on that CONSULTANT will develop proposed cross sections at no less than 50' intervals and show tie-in to adjacent property elevations and roadway. Perform adjustments to profile grade and cross slopes for proper tie-in to existing conditions.
 - iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer to advance the landscape and hardscape concept plans
 - iv. Street Lighting Design – Based on City review comments, CONSULTANT shall revise lighting design.
 - v. Underground plans for overhead utilities
CONSULTANT shall coordinate with the City and UAOs to place existing overhead utilities underground as defined below.
 1. CONSULTANT will coordinate with utility companies to discuss selected alternative and refine location of proposed utilities in the plans. This effort includes up to 2 meetings with UAOs.
 2. CONSULTANT will provide utility companies with two sets of revised drawings for their review and comments.
 3. CONSULTANT will review and address UAOs comments and hold one meeting to reach agreement on revisions.
 - vi. Conceptual drainage
CONSULTANT shall advance the concept design based on selected alternative and layout drainage structures in plan view sheets.
 - vii. Develop intersection of Almond Ave. with Las Olas Blvd.
 1. Based on City, FDOT and stakeholder input incorporate design concept from Las Olas Corridor project .

2. Schematic Drawing packages will be prepared for 30% Plans that will include the necessary disciplines, such as:
 - i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey
 - e. Demolition Plans (N/A)
 - f. Paving, Grading and Drainage
 - g. Paving, Grading and Drainage Details
 - h. Stormwater Pollution Prevention Plan (SWPPP)
 - i. Traffic Control Plan Concepts
 - j. Typical Sections
 - k. Preliminary Cross Sections
 - l. Preliminary Temporary Construction Easements/Average Encroachments
 - m. Plans for Undergrounding of Overhead Utilities
 - n. Utility Trench Details
 - o. Lighting layout Plans (N/A)
 - p. Lighting Photometric Plans
 - q. Conceptual Irrigation Memo
 - r. Construction Details
 - s. SUE tabulation Sheet
 - ii. Landscape and Hardscape Concept Plans
 - a. Site Plan Layout
 - b. Hardscape Plans
 - c. Landscape Demolition Plans
 - d. Landscape Plans
 - e. Site Details
2. Prepare plan packages for transmittal to City staff for review.
3. Revise plans one time based on City comments and resubmit.

B. On-Going Permit Coordination

Based on selected alternatives coordinate with permitting agencies and document permit parameters in a memo for the following agencies

1. Florida Department of Transportation
2. South Florida Water Management District (SFWMD ERP) and dewatering
3. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
4. Broward County Environmental Regulation Division, Dewatering
5. City of Fort Lauderdale Engineering

C. Public Meetings / Updates

All meetings to be combined with SR A1A meetings.

1. City Commission
2. Beach Redevelopment Advisory Board

D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

1. Preparation for meetings with City staff and preparation of monthly progress reports. Up to four [4] meetings. CONSULTANT shall prepare meeting minutes, but City staff shall prepare agendas, invitations and conduct meetings.

E. Sustainability

1. During the development of the 30% drawings, the CONSULTANT will also begin to formulate the strategy related to the sustainability opportunities for the project. The project does not include effort for identifying LEED credits.
2. Provide memo on sustainability opportunities.

F. Opinions of Probable Construction Cost Estimates

1. Review of Design Plans

2. Meetings with Designers for clarification.
3. Review and evaluate phasing for construction.
4. Provide detailed estimates of various disciplines (includes 20% to 25% contingency).
5. Prepare and separate estimates to individual projects.
6. Finalize and submit estimates.

G. Right of Way and Easements

7. CONSULTANT shall revise easement /encroachment locations. This effort does not include agreements, detailed easement drawings or legal sketches and descriptions.

It is assumed meetings in this phase will be combined with the SR A1A project meetings.

Deliverables:

- Schematic Design Package (30% Drawings) in PDF format and CADD.
- Staff review meeting of Schematic Design Package for review (up to one [1] meeting) and preparation of meeting notes
- Update a memorandum summarizing all permitting requirements
- Public meeting updates
- Preparation of public information updates (up to four [4]) using exhibits prepared to date. City is responsible for all publishing and posting on City Web Page.
- Preparation of a technical memorandum regarding potential sustainable opportunities for the project.
- Preparation of conceptual project budgets
- Preparation of monthly reports and preparation and participation in monthly staff meetings (up to four (4) meetings / months. CONSULTANT will assist City staff to disseminate materials to the public.

PHASE II: DETAILED DESIGN

Duration: (3 months)

DETAILED DESIGN (50%, 90%, 100% PLANS)

A. Design Development and Final Construction Documents (50%, 90%, 100% Plans)

During this phase of work, the overall project will be developed in sufficient detail to submit to permitting agencies and City.

1. CONSULTANT shall review and address a one-time phase comments by City
2. CONSULTANT shall meet with City staff to resolve comments and responses.
3. CONSULTANT shall review and respond to FDOT comments related to intersections with State Roads.
4. CONSULTANT shall prepare Design Development package that will include:
 - i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey
 - e. Demolition Plans (N/A)
 - f. Site Plan Layout
 - g. Hardscape plans
 - h. Site Details
 - i. Paving, Grading and Drainage
 - j. Paving, Grading and Drainage Details
 - k. Stormwater Pollution Prevention Plan (SWPPP)
 - l. SWPPP Details

- m. Traffic Control Plan Concepts
- n. Typical Sections
- o. Cross Sections
- p. Preliminary Temporary Construction Easements
- q. Undergrounding Overhead Utilities Plans
- r. Utility Trench Details
- s. Utility Conflict Matrix Sheets
- t. Signing and Pavement Marking Plans
- u. Lighting Plans
- v. Landscape Plans
- w. Irrigation Plans
- x. Construction Details
- y. SUE Tabulation Sheet
- z. Specifications

CONSULTANT shall prepare and submit plans package to City for review.
It is assumed drainage maps are not needed or required.

B. Engineering Permits

Based on plans progress, CONSULTANT shall continue coordination with permit agencies, submit permit applications and respond to comments.

- 1. Florida Department of Transportation (Design, Traffic Operations, Modal Development, right of way and permits offices)
- 2. South Florida Water Management District (SFWMD ERP) and dewatering
- 3. City of Fort Lauderdale Engineering
- 4. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
- 5. Broward County Environmental Regulation Division, Dewatering

C. Public Meeting Updates

CONSULTANT shall attend and provide updates to the City. CONSULTANT will assist City staff to conduct meetings and disseminate information. Meetings will be combined with SR A1A meetings.

- 1. City Commission (one meeting)
- 2. Beach Redevelopment Advisory Board. Assume one meeting

D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

- 1. Preparation for meetings with City staff and preparation of monthly progress reports. CONSULTANT to rely upon City staff to disseminate materials to the public.

E. Sustainability

- 1. The CONSULTANT will coordinate and refine document for sustainability opportunities.

F. Opinions of Probable Construction Cost Estimates

- 1. Review of plans.
- 2. Meetings with Designers for clarification.
- 3. Evaluate Construction Phasing.
- 4. Provide updated detailed estimates.

Deliverables:

- 50%, 90%, 100% Phase Submittal Packages in PDF format and CADD
- Staff review meeting of Packages (up to one [1] meeting) per phase and preparation of meeting notes
- Public meeting updates (up to two [2] meetings)
- Preparation of opinion of probable construction cost estimates
- Preparation of monthly reports (up to four (4) months. CONSULTANT to rely upon City staff to disseminate materials to the public.

PHASE III:
BIDDING ASSISTANCE

A. BIDDING ASSISTANCE

During this phase of work, CONSULTANT will assist the City in preparation of bid documents.

1. Project Manual Preparation
 - i. Plans - CONSULTANT shall submit final bid plans to City for bidding purposes. CONSULTANT shall provide up to 30 sets of 11 x17 sheet size prints / CD / DVD to bidders and provide list of bidders to City.
 - ii. Boilerplate - City will provide the latest boilerplate in a WORD document. CONSULTANT will coordinate with City to fill in project information and contractor qualifications and provide technical specifications that are not shown or referenced on the plans.
 - iii. Bid Items - CONSULTANT will coordinate with City and provide a list of bid items.
2. Review by City staff - CONSULTANT will submit bid document to City for review.
3. Request for information (RFI) assistance - CONSULTANT will review bid RFIs and respond up to 5 RFIs with revisions of up to 5 plan sheets. CONSULTANT will forward responses and sheets in pdf format to City. City will be responsible for formatting and issuing addenda.
4. Pre-bid Meeting – CONSULTANT shall attend one pre-bid meeting with City staff to help answer questions. City shall be responsible for all meeting preparation and invitation.
5. Bid Review -
 - i. Bid Tabulation – CONSULTANT shall review bid tabulation provided by City.
 - ii. Recommendation – CONSULTANT shall review bids for inconsistencies and coordinate with City to provide recommendations.
 - iii. CONSULTANT will provide additional services under the Construction Phase Services.

B. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

1. Up to (2) Progress Reports to City staff related to bidding items.

SR A1A
(From north end of the South Beach Parking Lot to Alhambra Street)

PHASE I:

STAGE ONE: RECONNAISSANCE / STUDIES / OUTREACH

Duration: 3 months

Design objectives are as follows:

1. Replace existing trees on both sides of SRA1A to place them closer to the curb and remove them from pedestrian zone.
2. Replace street lights on the west side of SRA1A to place them closer to the curb.
3. Replace sidewalk material and delineate pedestrian from café zones.

A. Project Mobilization and Kick-off Meeting

1. Project setup – Establish project folders and contracts and procedures.
2. Team kick-off - CONSULTANT will hold a team meeting to discuss procedures, establish responsibilities, communication protocols, project database, file structures and quality control (QC) measures. Meeting results in a document to be shared with team outlining expectations.
3. Establish project's detailed schedule and review with team..
4. CONSULTANT will request and receive information from City and CRA of existing studies / past studies / base information / recent or proposed developments. CONSULTANT will catalog and distribute information to individual team members.
5. Project kick-off meeting with City Staff – coordinate meeting date with City and team. City to prepare agenda. Prepare meeting minutes and establish action items. Follow up on action items through to completion and status updates.
6. Follow-up staff meeting with City.

B. Review of Existing data / Collection of additional base data

1. Review of existing data and previous studies provided by City including hard copy plans, as-built plans and CADD files (Survey, water and sewer, site plans, stormwater). Draw City utilities in CADD and Manipulate CADD files to complete base drawings and coordinate with City's departments to confirm accuracy.
2. Coordinate with surveyor and conduct a field review to verify design survey, document existing sign inventory, cross reference existing utilities to plans and document easily identifiable right of way encroachments / issues.
3. Obtain FDOT record plans and right of way maps and review against survey and field conditions.
4. Investigate permit requirements with City, County, State and Federal agencies (refer to list of agencies in permits section). Research agencies' records, and coordinate retrieval of information and permit records with the agencies. Review permit records and information received from agencies, summarize results and document.
5. Review FDOT Safety Study recommendations provided by City
6. Traffic counts / Mobility and pedestrian safety study to determine intersection reconfiguration at Sebastian and SR A1A
7. Perform review of bicycle and pedestrian mobility and connectivity. Consider width of pedestrian zone width, bicycle and transit connectivity, and bicycle parking.
8. Conduct ADA review for the impacted areas to be reconstructed and document.
9. Assessment of existing parking potentially impacted by the project. Document count including metered parking and provide to the City.
10. FDOT Coordination and grant update will be handled under the project north of the CRA limits.

11. Research and coordinate with City and street light fixtures representatives to obtain technical information including photometric specifications for the chosen fixture.
12. Coordinate with City staff on status of TDLC application to FDOT. It is assumed City will obtain TDLC approval.
13. Review FDOT Road Safety Audit requests by FDOT to determine impacts on proposed design.
14. Provide Restroom demand analysis for the facility to determine number of fixtures. Review data provided by the City regarding number of beach patrons and adjacent restrooms. The quantity of plumbing fixtures in each of the women's and men's restrooms shall meet the code for public facilities and the 'Potty Parity Law'.
15. Utility Coordination –
 - i. Coordinate with utility companies, establish contacts, and prepare a utility coordination status matrix to document plan transmittal and status. Transmit base plans to all utility companies to allow them to mark their existing and proposed facilities.
 - ii. Receive marked plans, review them along with available as-built plans and document it. From the marked up existing utility information received from utility companies, draw the existing utilities in CADD as part of the base drawings.
 - iii. Compare received information with field survey and conduct a field review to confirm the information.
16. Traffic –

The proposed public Restroom facility within the SR A1A median will cause the northbound to southbound slip ramp to be removed. To adequately accommodate the displaced traffic, CONSULTANT will examine the feasibility of opening Sebastian Street at northbound SR A1A to vehicular traffic.

The traffic scope of services is organized into two major tasks: Data Collection and Engineering Analysis.

- I. Meet with representatives from the City to obtain information about the project area to facilitate development of a traffic capacity and operations study addressing the needs of the City while also considering the desires of neighboring properties and expectations of the traveling public.

II. DATA COLLECTION

The following item summarizes the proposed methodology and scope of services specific to the data collection effort necessary to analyze the effect of opening Sebastian Street at its intersection with northbound SR A1A to vehicular traffic.

1. Turning Movement Volumes

CONSULTANT will obtain turning movement count data and bicycle\pedestrian counts at nearby signalized and unsignalized intersections during AM (7:00 to 9:00) and PM (4:00 to 6:00) peak periods on a typical weekday and during one peak period (to be determined) on a typical weekend day. Up to three (3) locations will be counted. In addition, up to two (2) 24-hour machine counts will be performed. This traffic data will be summarized and used to establish appropriate geometry along Sebastian Street at its intersections with northbound and southbound SR A1A both now and in one future year to be determined by City staff.

III. ENGINEERING ANALYSIS

1. Future Traffic Projections

Future traffic projections will be developed based upon historical growth patterns and traffic generated by approved but as yet unbuilt development within the area. This information will be summarized for use in the Engineering Analysis described in Section 2 below.

2. Engineering Analysis

- SYNCHRO 8.0 will be used to establish both existing and expected future operating conditions of nearby intersections. The model will also be used to assess proposed geometric changes along Sebastian Street at its intersections with northbound and southbound SR A1A. SYNCHRO is recommended due to its ability to calculate capacity (based on procedures set forth within the Highway Capacity Manual), optimize cycle lengths, timing splits, and offsets, accurately model actuated and coordinated networks and calculate intersection delay.
- Level of Service thresholds set forth within the Quality/Level of Service Handbook as published by the Florida Department of Transportation (FDOT) will be used to establish roadway segment operating conditions under both existing and future year scenarios
- Review pedestrian crossings type and location and conduct an analysis to consider consolidation/modification including suggested areas for Rapid Flashing Beacon signs or in-ground crosswalk lights. Coordinate with City and FDOT Traffic Operations staff to discuss options. Submit proposed modifications to City and FDOT for review. Respond to comments, revise and submit final documentation. Pedestrian data collection is not included in this scope of work.

3. Report

Results of the Engineering Analysis will be provided in the form of a draft technical memorandum. The memorandum will include data summaries and graphics generated during our analysis of traffic volumes, turning movements and pedestrian observations. Upon addressing one round of comments by City staff, ten (10) copies of the final report will be provided for your use.

17. Geotechnical / soil studies

All work performed will be in general accordance with Broward County and FDOT standards. The proposed scope work for the improvement is as follow:

- Perform 2 SPT borings to a depth of 30 feet for the mast arm signal and
- Restroom building.
- Perform 1 SPT borings to a depth of 15 feet for the street lights.

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, recommendations for foundation and a discussion of some construction considerations.

18. Survey

- i. The CONSULTANT will prepare a Topographic Survey for a portion of State Road A-1-A in accordance with the Minimum Technical Requirements as set forth by the Florida Board of Professional Surveyors and Mappers and to meet DEP requirements. The north-south "Project Limits" of the survey will be from the north end of the South Beach parking lot (Oasis Café) to the Alhambra Street. The east-west "Project Limits" of the survey will be as follows:

- a. On the west side of A-1-A, where the sidewalk is contiguous with the face of the building, from the face of the building to the west edge of pavement of A-1-A. All other areas on the west side of A-1-A from 10-feet west of the west right-of-way to the west edge of pavement of A-1-A.
- b. On the east side of A-1-A from the east edge of pavement of A-1-A to the east side of the beach wall.
- c. In areas with cross-sections required by Section 62B-33.0081, paragraph 62B-34.040(2)(f), F.A.C.] of the Florida Administrative Code (every 100-feet within the project) the limits will be from the west right-of-way of A-1-A to the zero elevation within the Atlantic Ocean including the A-1-A pavement.

Cross-sections will be taken at 25-foot intervals where the sidewalk is contiguous with the face of the building and at 50-foot intervals in all other areas and substantial at grade breaks. Finished floor and adjacent walk elevations will be obtained within the areas where the sidewalk is contiguous with the face of the building. All above ground improvements will be located within the described "Project Limits" including trees (3-inch DBH and above with common species name), underground utility markings and invert elevations on drainage and sanitary structures except for those within the A-1-A roadway. CONSULTANT will obtain FDOT right-of-way maps. Survey will include available utility markings found in the field. Title search is not anticipated nor included.

- ii. Boundary & Topographic Survey For Restroom Building (Site Plan Approval): The CONSULTANT will prepare a Boundary and Topographic Survey for the portion of the City of Fort Lauderdale property located between Alhambra Street, Sebastian Street, Seabreeze Boulevard and State Road A-1-A, to meet permit agency requirements. The survey will include location of all above ground improvements including trees (3-inch DBH and above with common species name), underground utility markings and invert elevations on drainage and sanitary structures.

19. Subsurface Utility Exploration, Locating and Mapping Services

CONSULTANT is to provide professional services associated with “softdig”, location and mapping of existing subsurface utilities which may be in conflict with the proposed improvements for the SR A1A Project.

The City of Fort Lauderdale will be responsible for providing any necessary permits (City, County and State) required to complete test holes.

C. Refinement of a site opportunities and constraints plan

1. An important document in which to utilize as a tool to present to the public and City Leadership on the goals and objectives of the project while understanding and presenting the physical, environmental, regulatory and social/cultural opportunities and constraints of the site area.
 - i. CONSULTANT shall prepare a diagram that graphically presents the site’s opportunities and constraints.
2. One review of diagram by City.

D. Public information

1. Public information meetings. CONSULTANT will assist City to plan, manage and conduct the outreach program. CONSULTANT shall attend the following meetings
 - i. City Commission (two [2] meetings)
 - ii. Beach Redevelopment Advisory Board (two [2] meetings)
 - iii. Central Beach Alliance (two [2] meetings)
 - iv. Business Associations (i.e. Greater Fort Lauderdale Chamber of Commerce, Broward Workshop, etc.) (up to three [3] meetings)
2. CONSULTANT shall prepare for each of these meetings by developing PowerPoint exhibits and compilation of work prepared to date.

E. Progress discussions / meetings with staff / BRAB meeting attendance

1. Up to four (4) meetings with Staff and up to three (3) meetings with BRAB
2. CONSULTANT shall prepare for each of these meetings, including the development of PowerPoint exhibits and compilation of work prepared to date. City staff to schedule meetings, agendas and run meetings.

F. Preparation of monthly reports (up to three [3])

1. CONSULTANT to provide memorandum and graphics already prepared for the project and assist City Staff to disseminate materials to public. City staff will tailor material provided by CONSULTANT to suit their outreach program.

Task Deliverables

- Review of base information – technical memorandum outlining review of data
- Refinement of Site Opportunities and Constraints Plan and technical memorandum outlining opportunities and constraints (Project Design Assumptions)
- Traffic study report
- Preparation for and participation in Public Information meetings – up to six (6) meetings
- Preparation of monthly reports (up to three (3) reports, CONSULTANT to assist City Staff to disseminate to the public.
- Technical design criteria document
- Geotechnical report
- Project base map
- Updated Survey
 - sidewalk design and topographic survey
 - Location of Right-of-way and side lot lines.
- Provide permits, bike / pedestrian and ADA memo.

STAGE TWO: CONCEPTUAL PLANNING (15% DESIGN PLANS)

Duration: 4 Months

Concurrently, as much as possible with Stage One, the CONSULTANT will focus on the development of preliminary conceptual alternatives for the streetscape project. These alternatives will be based on the understanding and outreach developed during the Stage One work. The alternatives will illustrate the programmatic elements of the project.

A. Development of preliminary conceptual plans of the following programmatic elements

1. SR A1A (West and East Sides)

- i. CONSULTANT shall prepare and refine a base map CADD drawing that delineates right of way, easements, face of buildings and existing utilities behind the edge of pavement.
- ii. Roadway/Sidewalk Design Analysis – CONSULTANT will review proposed location of street lights and trees against existing utility locations, consider the proposed typical section and coordinate with landscape architect as stated below. CONSULTANT will develop existing cross sections at a minimum of 50' intervals and review sidewalk slopes for ADA compliance.
- iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer and shall develop landscape and hardscape concept plans and typical section renderings as stated below
 1. Consider Complete Street design techniques. Establish pedestrian and sidewalk café zones for the entire length of the corridor. Note the south end has wide sidewalk areas and the north end has narrower sidewalks. Provide up to three typical section alternatives for areas behind roadway curb. Address location of trees and lights, material difference between sidewalk café limits and pedestrian zone, connection and encroachment on private property to connect sidewalk to face of buildings. Locating or detailing existing building overhang, columns, etc. is not included.
 2. Landscape and hardscape concept improvements plans
 3. Typical section renderings (up to three)
 4. Paving and walkway artistic designs
 5. Site furnishings
 6. Street light fixture types

After receipt of input from City and stakeholders, CONSULTANT shall revise up to two of the typical sections and corresponding concept plans.

- iv. Signing – CONSULTANT shall review existing signs and propose roadway signing consolidation where necessary. CONSULTANT will meet with City to review, address comments and meet with FDOT for their input.
- v. Street Lighting Design – CONSULTANT shall coordinate with City staff to select details of light fixtures, pole material and lighting criteria. Consideration will be given to pedestrian and vehicular traffic needs. CONSULTANT will meet with FDEP to obtain concurrence on light fixture. CONSULTANT will meet with FDOT to review basis of lighting design to gain their acceptance and to confirm compliance with grant conditions. After selection CONSULTANT shall consider location of poles relative to other street features and perform lighting photometric analysis to determine spacing. It is desired by the City to remove existing cobra head lights if allowed by FDOT. Based on FDOT requirements, CONSULTANT

shall develop lighting photometric analysis for up to three scenarios if required as listed below.

1. Analysis of existing conditions
2. Analysis of proposed design with existing cobra head lights remaining
3. Analysis of proposed design with existing cobra head lights removed.

CONSULTANT shall prepare the following and submit to City for review

4. Lighting fixture detail sheet considering turtle friendly lights
5. Lighting analysis report of three scenarios
6. Prepare a design variance for FDOT approval for low illumination street light levels.

After City review, CONSULTANT shall submit lighting analysis report to FDOT for their review and comments. CONSULTANT will meet with FDOT to address their comments, redo photometric analysis based on comments, revise report and resubmit to FDOT.

It is assumed a lighting justification report is not required.

After FDOT approval CONSULTANT shall develop the concept plans in the 30% phase.

1. Lighting construction plans
2. Electric receptacles construction plans
3. Electrical voltage drop calculations

Electrical receptacles will be provided in the poles to allow for holiday light decorations, not for major electrical power connection or draw.

vi. Utility Coordination

CONSULTANT shall coordinate with utility agency owners (UAOs) throughout the design process. UAOs shall be responsible to provide specific and accurate X, Y, Z information on their facilities.

1. CONSULTANT will coordinate with utility companies to identify all companies and their representatives.
2. Prepare submittals to UAOs at every project submittal phase.
3. Prepare and invite for a pre-design utility meeting of all UAOs to discuss proposed design
4. Prepare and invite for a conflict resolution utility meeting of all UAOs to agree on resolution and responsibilities for additional costs.

It is assumed design of modifications to City's water and or sewer lines is not anticipated.

vii. Identify opportunity to incorporate sustainable designs and prepare memo.

viii. Coordinate with City staff responsible for maintenance of roadway, drainage, lighting, etc. and incorporate comments as appropriate.

ix. Conceptual drainage

CONSULTANT shall develop drainage design for the Restroom building site. The drainage design and analysis will be limited to within the reconstruction site areas at the point of connection to other existing systems and will not extend offsite to system outfalls. It is anticipated that the amount of impervious pavement along the SR A1A project will not change due to the streetscape work. CONSULTANT shall perform the items below.

1. Document stormwater design requirements.
2. Prepare a drainage report as required by FDOT and Broward County for drainage permitting.
3. Coordinate with landscape architect regarding location of landscape provisions as related to stormwater.

4. Review existing drainage patterns including relationship to adjacent properties to assess impacts from proposed features
 5. Review record plans against survey for stormwater facilities.
 6. Draw existing stormwater pipes in CADD files as necessary in areas adjacent to proposed trees and lights.
 7. Review in the field and interview adjacent property owners regarding their observations to identify potential locations of water ponding.
 8. Prepare stormwater quantity and quality calculations
2. Sebastian and SR A1A intersection and Restroom Facility
- vii. CONSULTANT'S Architect shall develop preliminary site plan concepts (up to three) illustrating Restroom building. Showers are not required on the site. The electronic drawing file will contain proper dimensions and building layout.
 - viii. The CONSULTANT shall prepare a site plan based on the preliminary AutoCAD site plan layout provided by the Architect and boundary survey. A final site plan will be prepared to meet the code requirements of the City of Ft. Lauderdale and depict the information necessary to submit the site plan to the City for approval. CONSULTANT will add the required data table and provide the dimensioning and details required by the City for submission of a site plan DRC approval.
 - ix. CONSULTANT shall prepare the necessary stormwater calculations for submittal to the necessary agencies, as required. Engineering plans will be provided for review by the City prior to site plan submittal for review and coordination purposes.
 - x. CONSULTANT shall coordinate with Fire Department regarding requirements.
 - xi. Coordinate utility services to building.
 - xii. CONSULTANT shall develop preliminary plans for the intersection reconfiguration including pedestrian safety and crossings locations.
 - xiii. CONSULTANT shall coordinate with FDOT regarding the proposed intersection and signal reconfiguration.
 - xiv. The site design is based on the following assumptions
 1. Relocation of franchise utility facilities if necessary will be done by the responsible UAO.
 2. Water and sewer services will be provided to the buildings but no water mains or sanitary manholes.
 3. Platting is not required.
 4. No retaining walls are anticipated.
 5. Permitting through Broward County Health Department and Broward County Environmental Protection and Growth Management Department are not required for water and/or sanitary sewer improvements.

Preliminary (15%) concept plan drawing packages will be prepared that will include the necessary disciplines, such as:

- Roadway Plans
 - a. Survey of Existing Conditions, including topographic survey and right-of-way and side lots lines
 - b. Cover Sheet
 - c. Project sheet layout
 - d. General Notes
 - e. Horizontal and vertical control sheet
 - f. Typical Sections
 - g. Paving, Grading and Drainage
 - h. Sidewalk (existing Cross Sections)
 - i. Lighting Photometric Plans
 - j. Preliminary Traffic Signalization Layout Plans
 - k. Initial utility conflict matrix (N/A)
- Landscape and Hardscape Plans

- a. Demolition plans (N/A)
 - b. Typical section renderings
 - c. Landscape concept plans
 - d. Hardscape concept plans
 - e. Site furnishing details
- Site Civil Engineering Plans (Restroom)
 - a. Cover sheet
 - b. General Notes
 - c. Erosion and sedimentation control plan and details (N/A)
 - d. Site Plan
 - e. Site Details
 - f. Paving, grading and drainage plans
 - g. Paving, grading and drainage Details
 - h. Typical sections
 - i. Water and sanitary sewer plans
 - j. Water and sewer details.
- Architectural Plans (Restroom Building)
 - a. Concept plans, sections, elevations, details
- B. Development of preliminary renderings**
 - Develop up to three renderings the following:
 1. SR A1A
 2. Restroom Facility
- C. Public Meetings**
 1. BRAB meetings up to two (2)
 2. City Commission Meetings: Preliminary 15% design presentation
 3. Stakeholder meeting
 4. City Staff review meeting (one [1]) of preliminary 15% design presentation and public comment
 5. CONSULTANT shall prepare for each meeting through the compilation of materials prepared to date, or the preparation of PowerPoint presentation
- D. On-Going staff meetings / preparation of progress reports**
 1. Up to four (4) meetings
 2. Up to four (4) progress reports
 - xv. CONSULTANT to provide memorandum and graphics. CONSULTANT will assist City staff to dissemination to the public.
- E. Preliminary permit coordination**
 - Provide permitting coordination and summarize in a memo for the following agencies:
 1. Florida Department of Environmental Protection and Coastal Construction Control Line
 2. Florida Fish and Wildlife Conservation
 3. Florida Department of Transportation (Design, Traffic Ops, Modal Development, drainage, right of way and permits offices)
 4. South Florida Water Management District (SFWMD ERP) and dewatering
 5. City of Fort Lauderdale Site Plan Approval
 6. City of Fort Lauderdale Engineering
 7. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
 8. Broward County Environmental Regulation Division, Dewatering
 9. Broward County Health Department, water
- F. City Staff and CONSULTANT review of public input**
 1. Preparation for and participation in one (1) meeting with City staff
 2. Preparation of meeting notes from meeting
- G. Refine Preliminary Concept Plans and renderings, based on public input for confirmation by City**
 1. City Commission
 2. Beach Redevelopment Advisory Board
 3. Others as City staff deems appropriate

H. Opinions of Probable Construction Cost Estimates

1. Develop Estimates including alternatives.
2. Separate Cost for each project.
3. Prepare and submit Conceptual Project Budget Estimates. For all construction cost estimates throughout the life of the project, the CONSULTANT has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to CONSULTANT at this time and represent only the CONSULTANT'S judgment as a design professional familiar with the construction industry. The CONSULTANT cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs. At the conceptual level contingencies of 20% - 25% will be included, which is the industry standard. For subsequent phases, the contingency will be reduced and will vary. At the final phase of construction documents, a contingency percentage will be included to cover the bidding process. Another inflation percentage will be added based on the anticipated bid time.

I. Right of Way and Easements

1. CONSULTANT will provide limited assistance to the City with the necessary processes associated with potential temporary construction easements. During this phase CONSULTANT will provide City with potential easement needs based on proposed typical sections and extended to face of buildings.

Deliverables:

- Preliminary Conceptual Design Package in electronic PDF format and CADD
- Typical section renderings
- Preparation of monthly reports and preparation and participation in monthly staff meetings (up to five (5) meetings / months. CONSULTANT will assist City staff to disseminate graphic materials.
- Provide memo on sustainable opportunities, permitting requirements, bike / pedestrian and ADA issues.
- Review meeting with City staff (one [1] meeting)
- Final Conceptual Design Package (15% Plans) in electronic PDF format
- Preparation of document for potential temporary construction easements.
- Preparation of conceptual project budgets

STAGE THREE: SCHEMATIC DESIGN (30% DESIGN PLANS) / OUTREACH

Duration: 4 Months

Once the strategic implementation strategy of improvements has been refined and determined during Phase One, the CONSULTANT will embark upon the 30% design plans of the proposed improvements.

A. Schematic Design (30% Plans)

During this phase of work, the overall project will be developed in sufficient detail to revise and describe the project elements, as well as to further refine the character of the improvements.

1. Based on City comments and selected typical section alternative, CONSULTANT shall proceed with development of design to 30% completion as stated below.
 - i. Review and address City comments. Meet with City to review responses to their comments.
 - ii. Roadway Design Analysis – CONSULTANT shall refine the selected typical section and design proposed profile grade lines. Based on that CONSULTANT will develop proposed cross sections at 50' intervals and show tie-in to adjacent property elevations. Perform adjustments through some iteration to profile grade and cross slopes for proper tie-in to existing conditions.
 - iii. Landscape and Hardscape Concepts – CONSULTANT'S landscape architect will coordinate with the roadway engineer to advance the landscape and hardscape concept plans to 30% plans.

- iv. Signing – CONSULTANT shall advance regulatory signing plans after City review and comments.
 - v. Street Lighting Design – After FDOT approval of lighting design variance and lighting report, CONSULTANT shall develop the concept plans as stated below..
 - 1. Lighting construction plans
 - 2. Electric receptacles construction plans
 - 3. Electrical voltage drop calculations

Electrical receptacles will be provided in the poles to allow for holiday light decorations, not for major electrical power connection or draw.
 - vi. Underground Coordination – CONSULTANT shall continue coordination with the City and UAOs and hold a design meeting to review potential conflicts.
 - vii. Drainage Design - CONSULTANT shall refine and complete drainage calculations.
 - viii. Restroom building site plan DRC submittal. CONSULTANT shall provide 30% design plans for up to one (1) site plan iteration after budget estimations are accepted. CONSULTANT shall review and address DRC review comments and conduct one meeting with the combined DRC reviewers to resolve comments. CONSULTANT shall make up to one time plan revisions and resubmit final site plan for DRC approval.
3. Schematic Drawing packages will be prepared for 30% plans that will consist of the following necessary disciplines:
- i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey
 - e. Demolition Plans (N/A)
 - f. Paving, Grading and Drainage
 - g. Paving, Grading and Drainage Details
 - h. Stormwater Pollution Prevention Plan (SWPPP) (N/A)
 - i. Traffic Control Plan Concepts
 - j. Typical Sections
 - k. Preliminary Cross Sections
 - l. Preliminary Temporary Construction Easements/Average Encroachments
 - m. Traffic Signalization Conceptual Plans
 - n. Utility Details
 - o. Utility Conflict Matrix Sheets
 - p. Lighting layout Plans (N/A)
 - q. Lighting Photometric Plans
 - r. Conceptual Irrigation Memo
 - s. Construction Details
 - t. SUE tabulation Sheet
 - ii. Landscape and Hardscape Concept Plans
 - a. Site Plan Layout
 - b. Hardscape Plans
 - c. Landscape Demolition Plans
 - d. Site Details
 - e. Landscape Plans
 - iii. Site Civil Engineering Plans (Restroom Facility -Site Plan Approval)
 - a. Cover sheet
 - b. General Notes
 - c. Erosion and sedimentation control plan and details
 - d. Site Plan
 - e. Site Details
 - f. Paving, grading and drainage plans

- g. Paving, grading and drainage details
 - h. Typical sections
 - i. Water and sanitary sewer plans
 - j. and sewer details
 - iv. Architectural Plans (Restroom Facility -Site Plan Approval)
CONSULTANT'S Architect shall provide Schematic plans at a 30% development level including Structural and Mechanical/Electric.
 - 1. Prepare plan packages for transmittal to City staff for review.
 - 2. Revise plans based on City comments and resubmit.
 - 3. This phase includes addressing one round of DRC review comments, one time plan revision and submittal for final approval.
- B. On-Going Permit Coordination**
Based on selected alternatives coordinate with permitting agencies and document permit parameters for the following agencies
 - 1. Army Corps of Engineers
 - 2. Florida Department of Environmental Protection and Coastal Construction Control Line
 - 3. Florida Fish and Wildlife Conservation
 - 4. Florida Department of Transportation (Design, Traffic Ops, Modal Development, drainage, right of way and permits offices)
 - 5. South Florida Water Management District (SFWMD ERP) and dewatering
 - 6. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
 - 7. Broward County Environmental Regulation Division, Dewatering
 - 8. Broward County Environmental Regulation Division, wastewater
 - 9. Broward County Health Department, water
 - 10. City of Fort Lauderdale Site Plan Approval and Engineering / Preliminary DRC Review
 - i. Site Plan Approval Submittal
 - ii. DRC Committee review comments
 - iii. Coordination of comment responses for DRC sign off
 - iv. DRC review meeting (1). Assumes individual department meetings are not required
- C. Public Meetings / Updates**
 - 1. City Commission
 - 2. Beach Redevelopment Advisory Board
- D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff**
 - 1. Preparation for meetings with City staff and preparation of monthly progress reports. Up to four [4] meetings, which allows for bi-weekly meetings at the beginning of the process, if necessary. CONSULTANT shall prepare meeting minutes, and assist City staff to prepare agendas, and conduct meetings.
- E. Sustainability**
 - 1. During the development of the 30% drawings, the CONSULTANT will also begin to formulate the strategy related to the sustainability opportunities for the project and update the memo. The project does not require identification of LEED credits.
- F. Opinions of Probable Construction Cost Estimates**
 - 1. Review of Design Plans
 - 2. Meetings with Designers for clarification.
 - 3. Review and evaluate phasing for construction.
 - 4. Provide detailed estimates of various disciplines.
 - 5. Prepare and separate estimates to individual projects.
 - 6. Finalize and submit estimates.
- G. Right of Way and Easements**
 - 1. CONSULTANT shall revise easement locations based on refined design and provide revised document summarizing easement locations.

Deliverables:

- Schematic Design Package (30% Drawings) in PDF format and CADD
- Update permit issues memo
- Staff review meeting of Schematic Design Package for DRC review (up to one [1] meeting) and preparation of meeting notes
- Resubmittal of revised Schematic Design Package to DRC for final approval
- Public meeting updates
- Preparation of public information updates (up to six [6]) using exhibits prepared to date. City is responsible for all publishing and posting on City Web Page.
- Update technical memorandum regarding potential sustainable opportunities for the project.
- Preparation of conceptual project budgets.
- Preparation of monthly reports and preparation and participation in monthly staff meetings (up to seven (7) meetings / months. CONSULTANT to rely upon City staff to disseminate materials to the public.

PHASE II: DETAILED DESIGN

Duration: (3 months)

DETAILED DESIGN (50%, 90%, 100% PLANS)

A. Design Development and Final Construction Documents (50%, 90%, 100% Plans)

During this phase of work, the overall project will be developed in sufficient detail to submit to permitting agencies and City.

1. CONSULTANT shall review and address a one-time phase comments by City
2. CONSULTANT shall meet with City staff to resolve comments and responses.
3. CONSULTANT shall review and respond to FDOT comments.
4. CONSULTANT shall prepare Design Development package that will include:
 - i. Roadway Plans and Design Analysis
 - a. Cover Sheet
 - b. Legend and General Notes
 - c. Horizontal and vertical control sheet
 - d. Survey of Existing Conditions, including topographic survey, right-of-way
 - e. Demolition Plans
 - f. Site Plan Layout
 - g. Hardscape plans
 - h. Site Details
 - i. Paving, Grading and Drainage
 - j. Paving, Grading and Drainage Details
 - k. Stormwater Pollution Prevention Plan (SWPPP)
 - l. SWPPP Details
 - m. Traffic Control Plan Details
 - n. Typical Sections
 - o. Cross Sections
 - p. Temporary Construction Easements
 - q. Utility Details
 - r. Utility Conflict Matrix Sheets
 - s. Signing
 - t. Lighting Plans
 - u. Traffic Signalization Plans
 - v. Landscape Plans
 - w. Irrigation Plans
 - x. Construction Details
 - y. Specifications
 - ii. Site Civil Engineering Plans (Restroom Facility -Site Plan Approval)

- a. Cover sheet
 - b. General Notes
 - c. Erosion and sedimentation control plan and details
 - d. Site Plan
 - e. Site Details
 - f. Paving, grading and drainage plans
 - g. Paving, grading and drainage details
 - h. Typical sections
 - i. Water and sanitary sewer plans
 - j. water and sewer details
 - iii. Architectural Plans (Restroom Facility -Site Plan Approval)
CONSULTANT'S Architect shall provide Schematic plans at a 50% development level including Structural and Mechanical/Electric.
5. Prepare plan packages for transmittal to City staff for review.
 6. Conduct one comment / response resolution meeting and revise plans based on City comments.

B. Engineering Permits

Based on plans progress, CONSULTANT shall continue coordination with permit agencies, submit permit applications and respond to comments.

- b. Florida Department of Environmental Protection and Coastal Construction Control Line
- c. Florida Fish and Wildlife Conservation
- d. Florida Department of Transportation (Design, Traffic Operations, Modal Development, drainage, right of way and permits offices)
- e. South Florida Water Management District (SFWMD ERP) and dewatering
- f. City of Fort Lauderdale Engineering
- g. Broward County Environmental Regulation Division, Environmental Resource Permit – Drainage
- h. Broward County Environmental Regulation Division, Dewatering

C. Public Meeting Updates

CONSULTANT shall attend and provide updates to the City. CONSULTANT will assist City staff to prepare agendas, conduct meetings and disseminate information.

- i. City Commission meeting
- j. Beach Redevelopment Advisory Board (2 meetings)

D. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

- k. Preparation for meetings with City staff and preparation of monthly progress reports. Up to four [4] meetings. CONSULTANT to rely upon City staff to disseminate materials to the public.

E. Sustainability

- l. The CONSULTANT will coordinate and refine document for sustainability opportunities.

F. Opinions of Probable Construction Cost Estimates

- m. Review of 50% Design Development plans.
- n. Meetings with Designers for clarification.
- o. Evaluate Construction Phasing.
- p. Provide updated detailed estimates.
- q. Finalize and submit updated estimates.

Deliverables:

- Design Development Package (50% Drawings) in PDF format and CADD.
- Staff review meeting of Package (up to one [1] meeting) and preparation of meeting notes.
- Public meeting updates (up to six [6] meetings).
- Preparation of a revised technical memorandum regarding sustainability opportunities for the project, including up to one (1) meeting for review.

- Preparation of revised opinion of probable construction cost estimates.
Preparation of monthly reports and preparation and participation in monthly staff meetings (up to four (4) meetings / months).

SR A1A (From Alhambra Street to Sunrise Boulevard)

PHASE I:

STAGE ONE: Conceptual and 30% Design

Duration: 2 months

Design objectives are as follows:

1. Provide decorative street lighting design north of the CRA area boundary from Alhambra Street to Sunrise Boulevard.
 2. This lighting design will be a continuation of the lighting design within the CRA boundary.
- A. Development of preliminary conceptual plans of the following programmatic elements**
1. CONSULTANT will provide concept lighting design to be a continuation of the decorative street lighting design immediately to the south.
 2. Prepare base drawings using the recent FDOT 3R project plans.
 3. After review by City coordinate with FDOT and proceed to develop 30% design phase lighting plans.
- B. Review of Existing data / Collection of additional base data**
1. Review of existing data and previous studies provided by City including hard copy plans, as-built plans and CADD files (Survey, water and sewer, site plans, stormwater). Draw City utilities in CADD and Manipulate CADD files to complete base drawings and coordinate with City's departments to confirm accuracy.
 2. Subsurface Utility Exploration (SUE) as needed. A budget estimate for up to 25 test hole locations is included in the reimbursables.

Deliverables:

- Concept Lighting Plans (15% Drawings) in PDF format and CADD
- Schematic Lighting Plans (30% Drawings) in PDF format and CADD

PHASE II: DETAILED DESIGN

Duration: (4 months)

DETAILED DESIGN (50%, 90%, 100% PLANS)

A. Design Development and Final Construction Documents (50%, 90%, 100% Plans)

During this phase of work, the overall project will be developed in sufficient detail to submit to permitting agencies and City.

1. CONSULTANT shall review and address a one-time phase comments by City
2. CONSULTANT shall meet with City staff to resolve comments and responses.
3. CONSULTANT shall review and respond to FDOT comments.
4. CONSULTANT shall prepare Design Development package that will include:
 - a. Lighting Plans, Specifications, and Details

B. Engineering Permits

Based on plans progress, CONSULTANT shall continue coordination with permit agencies, submit permit applications and respond to comments.

- a. Florida Department of Environmental Protection and Coastal Construction Control Line
- b. Florida Fish and Wildlife Conservation

- c. Florida Department of Transportation (Design, Traffic Operations, Modal Development, drainage, right of way and permits offices)
- d. City of Fort Lauderdale Engineering

C. Project Administration with FDOT JPA

The construction of the light poles will be funded through a Joint Participation Agreement (JPA) between the City and FDOT. CONSULTANT will assist the City with the following design requirements:

- a. Provide construction plans and design documentation for review by FDOT at 50% completion and at 90% completion.
- b. Acquire all regulatory permits
- c. Provide 100% complete, signed and sealed plans, specs and design documentation.
- d. Provide Cost Estimates

Deliverables:

- Drawing submittals for the 50%, 90%, and 100% drawings in PDF and CADD format. Hard copies of drawings will be provided and billed as reimbursable.
- Drawing documents (including but not limited to Specification, Calculations, etc.) in PDF format.
- Permitting – obtaining all permit and approvals for the Construction Documents
- Preparation of opinion of probable construction cost estimates

SR A1A

(From north end of the South Beach Parking Lot to Sunrise Boulevard)

PHASE III:
BIDDING ASSISTANCE

A. BIDDING ASSISTANCE

During this phase of work, CONSULTANT will assist the City in preparation of bid documents.

1. Project Manual Preparation
 - i. Plans - CONSULTANT shall submit final bid plans in pdf format to City for bidding purposes. CONSULTANT shall provide up to 30 sets of 11 x17 sheet size prints / CD / DVD to bidders and provide list of bidders to City.
 - ii. Boilerplate - City will provide the latest boilerplate in a WORD document. CONSULTANT will coordinate with City to fill in project information and contractor qualifications and provide technical specifications that are not shown or referenced on the plans.
 - iii. Bid Items - CONSULTANT will coordinate with City and provide a list of bid items.
2. Review by City staff - CONSULTANT will submit bid document to City for review.
3. Request for information (RFI) assistance - CONSULTANT will review bid RFIs and respond up to 5 RFIs with revisions of up to 10 plan sheets. CONSULTANT will forward responses and sheets in pdf format to City. City will be responsible for formatting and issuing addenda.
4. Pre-bid Meeting – CONSULTANT shall attend one pre-bid meeting with City staff to help answer questions. City shall be responsible for all meeting preparation and invitation.
5. Bid Review -
 - i. Bid Tabulation – CONSULTANT shall review bid tabulation provided by City.
 - ii. Recommendation – CONSULTANT shall review bids for inconsistencies and coordinate with City to provide recommendations.
 - iii. CONSULTANT will provide additional services under the Construction Phase Services.

B. Project Administration / Preparation of Project Progress Reports and Coordination with City staff

1. Up to (2) Progress Report to City staff related to bidding items.

PHASE IV CONSTRUCTION PHASE SERVICES

Construction phase services will be negotiated at a later time as required.

PROJECT ASSUMPTIONS

Specific assumptions for the project:

1. City and stakeholder related meetings for Almond Ave will be conducted at the same meetings as for SR A1A. Both projects will be integrated and run along the same schedule as the Las Olas improvements up to the 30% Phase.

CITY'S RESPONSIBILITIES

- The CITY's project manager, or a designated representative, will coordinate the project for the CITY.
- The CITY will provide all available existing as-built drawings, reports in a usable form by the CONSULTANT
- CITY will provide CONSULTANT access to project site as required.

ADDITIONAL SERVICES

If authorized in writing by the CITY as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain from others, Additional Services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified above in

ID	Task Name	Duration	Start	Qtr 1, 2014			Qtr 3, 2014			Qtr 1, 2015			Qtr 3, 2015		
				Jan	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	
1	City of Fort Lauderdale														
2	Almond Avenue and SR A1A Streetscape Project														
3															
4	PHASE I														
5															
6	STAGE ONE:														
7	Reconnaissance/Studies/Outreach	3 mons	Mon 2/17/14												
8															
9	STAGE TWO:														
10	Conceptual Planning (15% Design Plans)	3 mons	Mon 5/19/14												
11															
12	STAGE THREE:														
13	Schematic Design (30% Design Plans)/ Outreach	4 mons	Mon 8/18/14												
14															
15	PHASE II														
16	50% Design	3 mons	Mon 12/22/14												
17	90% Design	3 mons	Mon 3/16/15												
18	100% Design	3 mons	Mon 6/8/15												
19															
20	PHASE III														
21	Bidding Assistance	2 mons	Mon 8/31/15												

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed method of compensation. Reimbursable expenses associated with these services are not included in the fees and will be itemized separately, subject to an established Not-to-Exceed limit. The total hourly rates payable by the CITY for each of CONSULTANT'S employee categories, reimbursable expenses and sub-consultant fees are shown on Exhibit "A" attached hereto and made a part hereof.

TERMS OF COMPENSATION

Services shall be provided for the following Not-to-Exceed amounts:

SR A1A (East and West sides) from north end of South Beach Parking Lot to Alhambra Street

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
I	Stage One: Reconnaissance / Studies / Outreach	KHA		\$ 52,605
			EDSA	\$ 11,350
			CMS	\$ -
			Dickey	\$ 3,950
			Keith and Assoc	\$ 49,300
			Tierra	\$ 6,725
			JALRW	\$ 1,000
			S&F	\$ -
			ACAI	\$ 9,755
Subtotal				\$134,685
Task No	Description			Total
		Consultant	Sub consultant	
I	Stage Two & Three: Conceptual Planning & Schematic Design (15% & 30% Design Plans) / Outreach / Programming	KHA		\$186,397
			EDSA	\$ 73,740
			CMS	\$ 5,408.16
			Dickey	\$ 2,165
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ 1,300
			S&F	\$ 2,750
			ACAI	\$ 32,250
Subtotal				\$304,010.16
Task	Description			Total

No		Consultant	Sub consultant	
II	Detailed Design (50%,90%,100% Plans)	KHA	EDSA CMS Dickey Keith and Assoc Tierra JALRW S&F ACAI	\$200,511 \$ 52,500 \$ 4,420.69 \$ 950 \$ - \$ - \$ 17,550 \$ 9,120 \$ 35,150
Subtotal				\$320,201.69
Task No	Description	Other Cost		Total
		Consultant	Sub consultant	
III	Bidding Assistance	KHA	EDSA CMS Dickey Keith and Assoc Tierra JALRW S&F ACAI	\$ 21,214 \$ 4,880 \$ - \$ - \$ - \$ 3,189 \$ 480 \$ 8,584
Subtotal				\$ 38,347
Total I, II,III				\$797,243.85
Reimbursable Expenses				\$ 9,980
Geotechnical Field Testing				\$ 5,473
GRAND TOTAL				\$812,696.85

SR A1A (West side) from north Alhambra Street to Sunrise Boulevard

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
I	Conceptual Planning & Schematic Design (15% & 30% Design Plans)	KHA		\$ 36,673.00
			EDSA	\$ -
			CMS	\$ -
			Dickey	\$ -
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ -
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$ 36,673.00
Task No	Description			Total
		Consultant	Sub consultant	
II	Detailed Design (50%,90%,100% Plans)	KHA		\$ 21,678.00
			EDSA	\$ -
			CMS	\$ -
			Dickey	\$ -
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ -
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$ 21,678.00
Total I, II				\$ 58,351.00
Reimbursable Expenses				\$ 13,000.00
GRAND TOTAL				\$ 71,351.00

ALMOND AVENUE

Task No	Task Title	Labor Fees		Total
		Consultant	Sub consultant	
I	Stage One: Reconnaissance / Studies / Outreach	KHA	EDSA CMS Dickey Keith and Assoc Tierra JALRW S&F ACAI	\$ 11,168 \$ 580 \$ - \$ 380 \$ 13,495 \$ 5,305 \$ 125 \$ - \$ -
Subtotal				\$ 31,053
Task No	Description			Total
		Consultant	Sub consultant	
I	Stage Two & Three: Conceptual Planning & Schematic Design (15% & 30% Design Plans) / Outreach / Programming	KHA	EDSA CMS Dickey Keith and Assoc Tierra JALRW S&F ACAI	\$ 83,045 \$ 26,000 \$ 4,131.70 \$ 380 \$ - \$ - \$ 250 \$ - \$ -
Subtotal				\$113,806.70
Task No	Description			Total
		Consultant	Sub consultant	
II	Detailed Design (50%,90%,100% Plans)	KHA	EDSA CMS Dickey Keith and Assoc Tierra	\$ 95,081 \$ 24,680 \$ 6,281.80 \$ 2,280 \$ - \$ -

			JALRW	\$ 3,375
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$131,697.80
Task No	Description	Other Cost		Total
		Consultant	Sub consultant	
III	Bidding Assistance	KHA		\$ 14,109
			EDSA	\$ 5,790
			CMS	\$ -
			Dickey	\$ -
			Keith and Assoc	\$ -
			Tierra	\$ -
			JALRW	\$ 600
			S&F	\$ -
			ACAI	\$ -
Subtotal				\$ 20,499
Total I, II,III				\$297,056.50
Reimbursable Expenses				\$ 2,680
Geotechnical Field Testing				\$ 5,182.07
GRAND TOTAL				\$304,918.57

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov. All other correspondence and submittals should be directed to the attention of _____ at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

City of Fort Lauderdale
City Hall, 4th Floor – Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301

CONSULTANT CONTACTS

Marwan Mufleh, P.E.

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EXHIBIT 1

