

## AGREEMENT

THIS AGREEMENT is hereby made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2024, (the "effective date") by and between the City of Delray Beach, a Florida municipal corporation (the "City"), whose address is 100 N.W. 1st Avenue, Delray Beach, Florida 33444, and Kimely-Horn and Associates, Inc., a North Carolina corporation authorized to do business in the State of Florida (the "Contractor"), whose address is 1920 Wekiva Way, Suite 200, West Palm beach, FL 33411.

WHEREAS, the City desires to retain the Contractor to provide design services for improvements to the intersection of Swinton Avenue and Atlantic Avenue in accordance with the City's Request for Qualifications ("RFQ") No. 2023-012 and the Contractor's response thereto, all of which are incorporated herein by reference.

NOW, THEREFORE, in consideration of the mutual covenants and promises hereafter set forth, the Contractor and the City agree as follows:

### ARTICLE 1. INCORPORATION OF REQUEST FOR QUALIFICATIONS

The terms and conditions of this Agreement shall include and incorporate the terms, conditions, and specifications set forth in the City's RFQ No. 2023-012, and the Contractor's response to the Request for Qualifications, including all documentation required thereunder.

### ARTICLE 2. DESCRIPTION OF GOODS OR SCOPE OF SERVICES

The Contractor shall provide the goods and/or perform those services identified in the specifications accompanying the City's RFQ No. 2023-012, as modified by Exhibit "A", attached hereto and incorporated herein.

### ARTICLE 3. COMPENSATION

The City shall pay the Contractor, in compliance with the Pricing Schedule attached hereto and incorporated herein as Exhibit "B", according to the terms and specifications of the referenced Request for Qualifications.

### ARTICLE 4. MISCELLANEOUS PROVISIONS

a. Notice Format. All notices or other written communications required, contemplated, or permitted under this Agreement shall be in writing and shall be hand delivered, telecommunicated, or mailed by registered or certified mail (postage prepaid), return receipt requested, to the following addresses:

- i. As to the City:  
City of Delray Beach  
100 N.W. 1<sup>st</sup> Avenue

Delray Beach, Florida 33444  
Attn: City Manager

ii. With copy to:  
City of Delray Beach  
200 N.W. 1<sup>st</sup> Avenue  
Delray Beach, Florida 33444  
Attn: City Attorney

iii. As to the Contractor:  
Kimely-Horn and Associates, Inc.  
1920 Wekiva Way, Suite 200  
West Palm Beach, FL 33411  
Attn: Mufleh, Marwan H., Senior Vice President

b. Headings. The headings contained in this Agreement are for convenience of reference only and shall not limit or otherwise affect in any way the meaning or interpretation of this Agreement.

c. Effective Date. The effective date of this Agreement shall be as of the date it has been executed by both the parties hereto.

#### ARTICLE 5. E-VERIFY

By entering into this Agreement Contractor acknowledges its obligation to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility." Contractor affirms and represents it is registered with the E-Verify system, utilizing same, and will continue to utilize same as required by law. Compliance with this section includes, but is not limited to, utilization of the E-Verify System to verify the work authorization status of all newly hired employees and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Failure to comply with this section will result in the termination of this Agreement, or if your subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination. If terminated for a violation of the statute by Contractor, the Contractor may be prohibited from conducting future business with the City or awarded a solicitation or contract for a period of 1 year after the date of termination. All costs incurred to initiate and sustain the aforementioned programs shall be the responsibility of the Contractor.

#### ARTICLE 6. CONTRACT TERM

The Contract shall commence upon the date of the duly executed Agreement through the completion of work and upon full acceptance by the City, unless terminated earlier in accordance with the terms set forth in the solicitation.

IN WITNESS WHEREOF, the City and the Contractor executed this Agreement as of the day and year first above written.

ATTEST:

CITY OF DELRAY BEACH

Katerri Johnson, City Clerk

By: Thomas F. Carney, Jr., Mayor

Approved as to form and legal sufficiency:

Lynn Gelin, City Attorney

KIMELY-HORN AND ASSOCIATES INC.

By: Marwan Mufleh

Print Name: MARWAN MUFLEH

Title: Sr. Vice President

(SEAL)

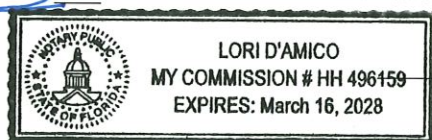


STATE OF Florida

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this day of April 1, 2024 by Marwan Mufleh, P.E. (name of person), as Senior Vice President (type of authority) for Kimley-Horn and Associates, Inc. (name of party on behalf of whom instrument was executed).

Personally known OR Produced Identification



Lori D'Amico  
Notary Public – State of Florida

RFQ 2023-012

Design Service for Swinton and Atlantic Intersection Improvements



## EXHIBIT A

### Scope of Work Swinton Avenue & Atlantic Avenue Intersection Improvements Solicitation 2023-012 Project No. 19-011

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this scope of services to City of Delray Beach ("Client" or "City") for providing engineering services for Swinton Avenue & Atlantic Avenue Intersection Improvements Project.

#### UNDERSTANDING

Under a separate agreement with the City, an Urban Core Mobility Concept Design was prepared by T.Y. Lin International and McMahon Associates, Inc. for the right-of-way of Swinton Avenue and Atlantic Avenue (see Figure 1, limits in blue). The City conducted several public meetings to arrive at Refined Concept Plan: Alternative 6 as the preferred alternative. The next phase in the process is to prepare final construction documents. The Swinton Avenue and Atlantic Avenue Intersection Improvements project consists of professional urban design services and construction document design services for the development of the complete street project improvements. All improvements will be designed within existing City right-of-way, permitted FDOT right-of-way, and within City-obtained easements required to construct the proposed improvements.

It is our understanding that the City needs to revisit the preferred alternative with newly elected commission and staff to confirm the preferred alternative to move forward to final design. The design team will partner with the City to revisit the previously prepared concepts prepared by T.Y. Lin to advance two previous alternatives for public input and feedback. The results of the public input will be presented to commission to select a concept to move forward to final design. The figure below shows the anticipated areas of improvement along Atlantic Avenue shown in blue and a pedestrian crossing along Swinton Avenue in the area shown in blue.

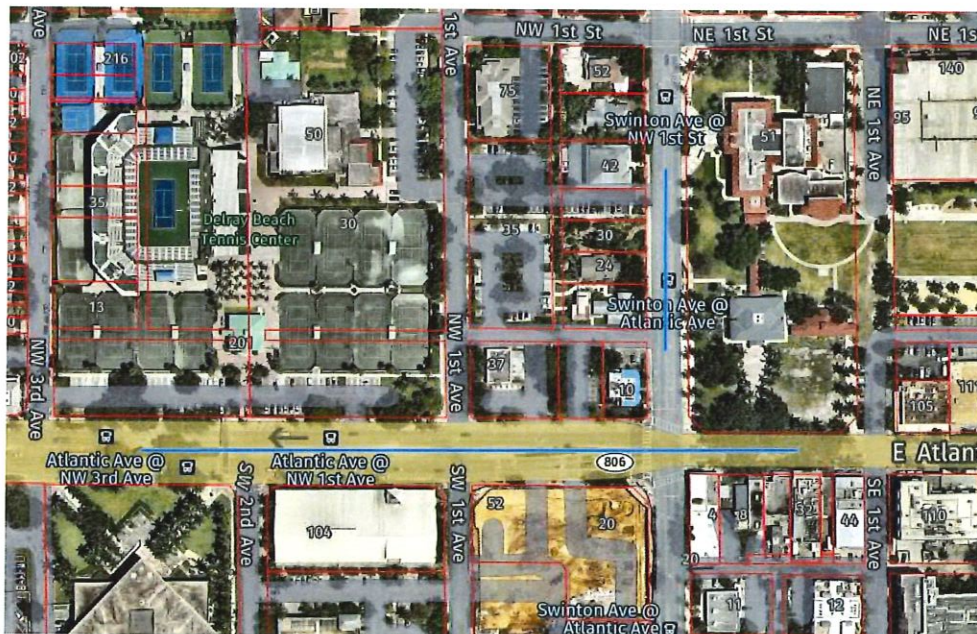


Figure 1



## **SCOPE OF SERVICES**

### **TASK 1 – PROJECT MANAGEMENT AND AGENCY COORDINATION**

Project management entails activities related to initiating, planning, executing, controlling, and closing the Project. Consultant will attend an initial kick-off meeting to verify project elements, scope, and schedule; prepare for and attend monthly meetings with City staff. Additionally, communicate with designated City staff (via phone, teleconference, email, etc.) to provide coordination between City staff and the Designer. (Assumed a 12-month design schedule for budgeting purposes). Provision, monitoring, and updating of schedule of services being provided. Provide monthly design progress reporting and invoicing.

Except for the Project Kickoff (1) and Site Visits (up to 4), all project meetings are anticipated to be held virtually.

Consultant will coordinate with Palm Tran to confirm any potential relocation of bus stops and/or shelters during the design phase. The scope does not include design of bus shelters. Up to two (2) meetings have been budgeted.

Consultant will conduct pre-application meetings with FDOT and Palm Beach County to discuss City's preferred alternatives selected in task 2.1 and document provided design criteria and feedback. Up to four (4) meetings have been budgeted.

### **TASK 2 – PUBLIC INVOLVEMENT**

Public involvement includes communicating to and receiving input from all interested and affected persons, groups, business owners, and government organizations (stakeholders) regarding the development of the project. The CONSULTANT will coordinate and perform the appropriate level of public involvement for this Project as outlined below.

#### Task 2.1 Public Involvement Plan (PIP)

The CONSULTANT is responsible for creating a PIP that includes a public involvement schedule and identifies the potential affected stakeholders and communities in the vicinity of the project to establish the appropriate outreach methods. This includes consideration of the demographics of the Project Area and any reasonable accommodations including, but not limited to, disabled, transit-dependent, limited English proficient (LEP), elderly, low income, or minority. The PIP will include the following:

- Project background
- Project goals
- Identification of elected officials and agencies
- Identification of affected communities and stakeholders
- Identification of media (e.g., television, radio, newspaper) for news and/or advertisement
- Proposed involvement activities
- Anticipated schedule of involvement activities
- Methodology for collecting and addressing public comments
- Discussion of public comments will be analyzed and incorporated, as appropriate

As part of the Project's PIP the CONSULTANT will develop public involvement materials. The CONSULTANT will submit a copy of the PIP to the CITY for approval prior to commencing all Public Involvement activities identified below. After the PIP is approved, the CONSULTANT will keep the PIP updated as necessary or upon notification by the CITY.

### *Scheduled Public Meetings*

The CONSULTANT will plan two (2) public meetings to solicit feedback and consensus on a final design concept. The first three meetings will be held prior to the start of final design and the remaining two meetings will be held once final design commences. The public meetings are broken out as follow:

#### Task 2.3 Open House Meeting No.1

The CONSULTANT will plan and execute one Open House style meeting within or near the project corridor. The purpose of this meeting is to present the two (2) recommended alternatives selected by the City staff prior to Open house meeting, obtain feedback and input and present the recommended preferred alternative to staff and commission.

Preparation for this meeting includes the following tasks:

##### Task 2.3.1: Develop mailing list

The CONSULTANT will develop a mailing list obtained from Palm Beach County Property Appraiser to include property owners, tenants, stakeholders, city staff, and city commission within 300 feet of the project centerline. The mailing list will be maintained throughout the project and updated accordingly to add or remove individuals as needed.

##### Task 2.3.2: Meeting Notification flyer/advertisement

The CONSULTANT will prepare two meeting flyers in two language variation (English and Spanish) to mail out to parties included on the approved mailing list. The CONSULTANT will be responsible for preparing and mailing (using first class mail) flyers advertising the Open House meeting to people identified on the mailing list. The CONSULTANT will be responsible for mailing the notifications out at least 30-days ahead of the Open House meeting. The CONSULTANT will also be responsible for printing and distributing the meeting notification flyer in the form of door hangers to all residential properties and businesses within the defined project area. This distribution also includes displays along the project corridor and preparing the press release for this meeting.

##### Task 2.3.3: Meeting Materials

The CONSULTANT will prepare one formal presentation, presentation script, sign-in-sheets, nametags, meeting handouts, comment cards and display boards for this meeting. The CONSULTANT is responsible for securing the meeting venue, scheduling the public meeting, setting-up and tearing-down of meeting equipment. Up to four (4) CONSULTANT staff will attend this meeting.

##### Task 2.3.4: Stakeholder Coordination

The CONSULTANT will coordinate with the CITY's CRA and DDA board prior to the open house to help with public outreach for the project.

##### Task 2.3.6: Meeting Summary

The CONSULTANT will prepare and submit a meeting summary to the CITY. The CONSULTANT will review all comments/feedback received from this meeting, incorporate comments as needed and assist the City to select one recommended alternative to move forward to final design.



#### Task 2.3.7 Renderings and Project Graphics (OPTIONAL/ALLOWANCE)

The CONSULTANT will prepare one graphic to highlight the City selected alternative . Rendering prepared will be utilized during public workshops and commission meetings to convey proposed improvements. A draft submittal will be submitted to the City for review and comment. One round of consolidated comments has been budgeted for each rendering.

#### Task 2.5 Open Style Workshop No. 2

The CONSULTANT will plan and execute one (1) Open House style meetings (post - 60% design plans) within or near the project corridor following commencement of Final Design. The purpose of these workshops is to present project status in the form of exhibits and rolls plots to the public and receive input/feedback. The CONSULTANT will execute the following tasks for each meeting.

*Open House Workshop #2 following 60% Design Plans*

Preparation includes the following tasks:

##### Task 2.5.1:

Development of project fact sheet – the CONSULTANT will prepare a one- page project fact sheet for each meeting to include the latest information on the project and key facts regarding the project. A copy of each project factsheet will be uploaded to the project's website in advance of each meeting.

Development of public meeting advertisement/notification - The CONSULTANT will prepare a one-page meeting advertisement in two languages (English and Spanish) for each meeting to mail (using first class mail) to parties included on the latest mailing list. The CONSULTANT will also be responsible for printing and distributing the meeting notification flyer in the form of door hangers to all residential properties and businesses within the defined project area. This distribution also includes displays along the project corridor and preparing the press release for this meeting. A copy of each public meeting advertisement/notification will be uploaded to the project's website ahead of each meeting.

The CONSULTANT will prepare a formal presentation, presentation script, sign-in-sheets, nametags, comment cards, and roll plots for each meeting. The CONSULTANT is responsible for securing the meeting venue, scheduling each public meeting, setting-up and tearing-down of meeting equipment. Up to four (4) CONSULTANT staff will attend each workshop.

##### Task 2.5.2:

The CONSULTANT will prepare and submit a meeting summary to the CITY. The CONSULTANT will review all comments/feedback received , incorporate comments as needed respectively.

##### Task 2.5.3 Comments and Coordination Report

The CONSULTANT will prepare a Comments and Coordination Report containing documentation of public involvement activities conducted throughout the project, meeting summaries for each meeting, survey results and photos. CONSULTANT to prepare responses to technical comments. CITY will prepare responses to others. Direct responses to the community will be led by the CITY and the CONSULTANT will provide assistance with technical/ engineering related questions.

##### Task 2.5.4 Debrief Meetings

The CONSULTANT will attend up to two (2) debrief meetings with the CITY to discuss comments/feedback received from each meeting and survey results. Up to two (2) CONSULTANT staff will attend each of these meetings.

#### Task 2.6 Stakeholder Meetings

The CONSULTANT will schedule, prepare, and attend up to five (5) stakeholder meetings to provide a project update. Preparation for these meetings includes preparing the following: a formal presentation,

project factsheet, sign-in-sheets, nametags. The CONSULTANT will prepare a meeting summary documenting comments received during each meeting and incorporate comments as needed. A total of two (2) CONSULTANT staff will attend each meeting.

#### Task 2.7 Project Website

The CONSULTANT will develop a project website using PublicCoordinate platform. PublicCoordinate is an interactive map-based platform where you can share project information with the public to gather feedback. The CONSULTANT will develop project material including a project write-up (background, goals, objective, schedule, status, location map) and provide it to the CITY for approval. The CONSULTANT will upload all approved materials to the project's PublicCoordinate webpage. The CONSULTANT will be responsible for updating the project website as needed up to two (2) times monthly as the project develops (at least one prior and after each open house meeting).

### **TASK 3 – SURVEY**

#### Task 3.1 Base Mapping and Survey

The Consultant will contract with a subconsultant to provide a topographic survey for the project limits along Atlantic Avenue, (see Figure 1) to provide a Map of Specific Purpose Survey adhering to the Florida Standards of Practice for Surveying, (Chapter 5J – 17) of the Florida Administrative Code relative to the scope of services provided below:

- Obtain available plats and deeds from the Palm Beach County Property Appraiser's website to establish the existing right-of-way and compile the data to a base map. Consultant will advise the client of any apparent missing right-of-way documentation or of any apparent gaps or overlaps in the right-of-way per the documents researched.
- Prepare a drawing showing the linework, width, and recording information of the right-of-way and easement documents.
- Collect horizontal control data using the global positioning system from published monumentation, and establish control points every 200'± tied to Florida East Zone State Plane Coordinates (NAD 83, 1990 adjustment).
- Collect published vertical benchmarks, perform a closed level loop, and establish benchmarks outside the limits of construction (NAVD 1988 datum) every ±200'.
- Locate subdivision corners, section corners, and other existing control monuments that will assist in the determination of the location of the right-of-way lines and platted centerlines. Identify the existing control recovered and provide ties to the project baseline.
- Locate visible above ground features with elevations (including walks, utilities, signage, striping, etc.) along the project area and 5' outside the Right-of-Way throughout the corridor, 10' beyond the Right-of-Way at the driveways and 200' beyond returns at the intersections.
- Cross-section the project area at 50' intervals, within the Right-of-Ways and extend 5' beyond each Right-of-Way.
- Obtain drainage structure Rim/Grate information. Inverts, bottom elevation pipe sizes/types and culvert crossings will be obtained.
- Locate trees 4" DBH and greater, indicating size and type, extending 5' outside the Right-of-Ways, 10' beyond the Right-of-Way at the driveways and 200' beyond returns at the intersections.
- Collect location of test holes (40 test holes).
- Establish baselines along Atlantic Avenue. Determine historical baselines from available PBCO documents and tie to new baseline if different. Set baseline horizontal control points at beginning, PC, PT, and end points. Set reference points to the baseline points (3 reference points each).
- Prepare Specific Purpose/Topographic Survey consisting of:
  1. Labeled Right-of-Ways, easements, and adjacent parcels.
  2. Existing features mentioned above with spot elevations.
  3. Published section corners and/or control monuments tied to baseline begin and end.



4. Found subdivision corners and/or other existing control monuments identified and tied to the baseline.
  5. Control points (horizontal and vertical) set every  $\pm 200'$  outside of the baseline.
  6. The drainage structure rim/grate data. Inverts and pipe sizes/types will be obtained.
  7. Monumentation set at the baseline points.
  8. Baseline of survey, existing right-of-way, existing easements, centerline of construction, stations and offsets.
  9. Survey will be scaled to 1" = 40' on 11" x 17" (1" = 20' on 24" x 36") sheets and be included in the Plan Set.
- Prepare Project Network Control Sheet (to include baseline data, baseline monumentation, control points/benchmarks, notes, legend, etc.), and Reference Point Sheet to be included in plan set.
  - Coordination with pipe inspection as they clear the drainage structures so that surveyor obtains access to the drainage structures that are under water.
  - Up to one field observations/review to confirm survey data and confirm field conditions

#### **TASK 4 – TRAFFIC ANALYSIS**

Consultant will analyze the signal timing along the Atlantic Avenue corridor to determine if modifications to signal timing or phasing could benefit motorists and pedestrians. The signalized intersections between and including NW/SW 2<sup>nd</sup> Avenue to NE/SE 6<sup>th</sup> Avenue will be included in the analysis. Consultant will collect turning movement counts, including pedestrians on one weekday and one Saturday from 7:00AM to 2:00 AM at each signalized intersection. Recommendations including modifications to signal timing, signal phasing (including the possibility of dedicated left-turn phases, split phasing, etc.), and the potential for dedicated pedestrian phasing will be included in the analysis.

Consultant will review the valet operations at Elisabetta's and Delray Taco. Valet operations will be observed from 5:00PM – 2:00 AM on one weekday and one Saturday. The volume of vehicles and length of queue will be quantified. Conflicts with pedestrians and bicyclists will be observed.

Consultant will also provide short-range (5 year) traffic projections for the following intersections based on the removal of the existing eastbound right-turn lane and other lane modifications at Swinton Avenue & Atlantic Avenue:

- Swinton / Atlantic
- Atlantic / SE 2<sup>nd</sup> Avenue
- SE 1<sup>st</sup> Street / SE 2<sup>nd</sup> Avenue
- SE 1<sup>st</sup> Street / Swinton Avenue

Existing intersection counts will be performed at the intersections of SE 1<sup>st</sup> Street / SE 2<sup>nd</sup> Avenue and SE 1<sup>st</sup> Street / Swinton Avenue from 6:00-10:00 AM and from 3:00-7:00 PM on one weekday. Traffic volumes will be projected for the short-range analysis based on existing counts, expected diversion of trips, and known approved but unbuilt projects.

A review of the previous planning studies will be performed. The analyses at intersections not listed above but reported in previous studies will be reviewed. If substantial changes to traffic patterns or volumes are anticipated, the analyses at these intersections will be updated. However, no additional data will be collected.

Optimization of the signals at the intersections listed above will be performed. A pre-emption signal timing plan will also be provided to determine recovery operations after a rail crossing closure along Atlantic Avenue.

The result of the traffic analysis will be a report including the data, assumptions, and recommendations for signal timing, valet operation, and potential modifications to intersections. Traffic report will be submitted to City and FDOT for review and approved prior to moving toward final design.

Task 4 Deliverables:

- Draft Traffic Analysis and Report
- Final Traffic Analysis and Report

**TASK 5 – CIVIL ENGINEERING DESIGN**

This project will consist of the application of design themes from the recently completed Concept Design Phase of Swinton Avenue and Atlantic Avenue - roadway and raised intersections (along Atlantic Ave at SE 2<sup>nd</sup> Ave, SE 1<sup>st</sup> St, and Swinton Ave), parking areas, decorative sidewalk treatments, decorative street lighting, landscape planter areas, surface and subsurface drainage, and sidewalk paver/paving treatment improvements to accommodate the addition of landscaping and pedestrian improvements on Atlantic Avenue.

The Consultant will perform engineering design to prepare construction plans and supplemental specifications for the roadway, utility, curbing, and sidewalk improvements related to the elements described above.

- The Consultant will prepare construction plans for the improvements at full scale (1" = 20' on 24" x 36") which can be plotted at a scale of 1" = 40' (11"x17" size) for the project. Proposed roadway modifications will be based the concept design selected by City Commission in task 2.3. Since a preferred alternative has not been selected at this time, the proposed limits of improvements for all the proposed concepts fall within Atlantic Avenue at SE 2<sup>nd</sup> Ave, SE 1<sup>st</sup> Ave and Swinton Avenue intersections. A mid-block crossing design on Swinton Avenue between Atlantic Ave and NE 1<sup>st</sup> Street will also be included. The overall concept is to have the downtown bypass shifted from Atlantic/Swinton to Atlantic/SE 2<sup>nd</sup> Ave to promote trucks and traffic around downtown to reduce traffic. No changes to the side streets are anticipated other than tie-ins for improvements along Atlantic Avenue intersections. Pavement work is anticipated to be mostly milling and overbuild, with minor widening to accommodate median modifications and curb bulb outs. Some reconstruction of pavement may be necessary to accomplish the design goals and minor modifications are anticipated for the mid-block crossing along Swinton Ave between Atlantic Ave and NE 1<sup>st</sup> Street. See Exhibit C for sheet list for anticipated sheet counts. The plans and specifications will be suitable for permitting, bidding, and construction. Consultant will revise drawings within the project scope as necessary to obtain the required permits.
- Prepare outline Technical Specifications at the 60% submittal. Prepare the final Technical Specifications for the 100% construction plan submittal.
- Consultant will prepare and coordinate with City to develop Level 1 Traffic Control Plan and traffic control notes for the major work phases of the overall project. Contractor will be required to submit their own detailed traffic control plans for review and approval prior to construction based on their approved project schedule.
- The Consultant will prepare an Opinion of Probable Construction Cost (OPC) for each phase submittal (60%, 90% and Final). 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 information known to the Consultant at this time and represent only the Consultant's judgement as design professionals 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.
- Workshop style meetings (comment resolution meetings) with the City to review comments and accommodate reasonable requests for revisions after the 60%, 90% and permit completion submittals. Final plans (100%) will be prepared after receipt of the comments from the permit stage. Horizontal geometric layout design change requests from the City after City acceptance of the 60% Phase design will be considered additional services.



## **TASK 6 – STORMWATER DESIGN**

Consultant will review existing conditions within the project limits highlighted in blue in Figure 1 right-of-way and modify existing drainage systems to account for the proposed roadway changes. Proposed drainage modifications will maintain existing drainage patterns and receiving systems. Provide exfiltration trenches to mitigate stormwater runoff from additional impervious areas. Drainage analysis does not include stormwater modeling of any system or area outside the project's limits of construction. Meet and coordinate with South Florida Water Management District (SFWMD) to establish design criteria. Where exfiltration trenches are needed, place them outside of pavement locations where possible even if that requires relocation of existing utilities, unless directed by the City. New storm water ponds and/or dry detention areas are not proposed in this drainage scope due to lack of right-of-way. It is expected that water quantity attenuation measures for a widening project will not be required since runoff will continue to discharge into the same existing water bodies. Prepare working drainage maps to show drainage in plan view. Prepare drainage structure cross sections at locations of proposed structures to show utility conflicts and to evaluate solutions.

## **TASK 7 – URBAN DESIGN, PLANTING, IRRIGATION, AND HARDSCAPE PLANS**

Planting Plans: Planting plans will be developed for roadside plantings within the R/W, specifying plant material, plant quantities, plant schedules, specifications and project-specific planting details. Code required planting calculations will be provided on the plans, as required.

Irrigation Plans: Consultant will prepare irrigation plans to provide 100% coverage to proposed planting areas. Existing water source(s) will be used, if available. City-preferred equipment and standards will be used as a basis of design.

Hardscape Plans: Based on City design input gathered during the Conceptual Design phase, Consultant will prepare the following construction documents:

- Hardscape plans for the project will provide dimensions, detailing, and quantities necessary to construct the proposed improvements, limited to:
  - Paving treatments – pavers, permeable pavers, and/or decorative concrete within roadway, sidewalk, and parking spaces.
  - Suspended pavement tree rootzone system detailing.
  - Site furnishings – specification and layout locations for seats, benches, waste receptacles, bollards, bike racks, tree grates, tree fences, sign posts, and other elements identified in the concept designs.
  - Specific details for integration of at-grade lighting and regulatory signage/striping into hardscape and furnishings designs.
- The Consultant will prepare construction plans for the improvements at full scale 1" = 20' (24" x 36" size) which can be plotted at a scale of 1" = 40' (11"x17" size) for the project. See Exhibit C for a project sheet list. The plans and specifications will be suitable for permitting, bidding, and construction. Consultant will revise drawings as necessary to obtain the required permits.
- Workshop style meetings with the City to review comments and accommodate reasonable requests for revisions after the 60%, 90% and permit completion submittals. Final plans (100%) will be prepared after receipt of the comments from the permit stage. Design change requests by the City after 60% phase submittal will be considered additional services.
- The Consultant will prepare an Opinion of Probable Construction Cost (OPC) for each phase submittal (3 60%, 90% and Final). 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 information known to the Consultant at this time and represent only the Consultant's judgement as design professionals 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.



## **TASK 8 – SIGNING AND PAVEMENT MARKING PLANS**

Consultant will prepare signing and marking plans at a scale of 1" = 40' (11"x17" PDF) to address re-establishment of pavement markings as a result of the proposed intersection improvements. Standards will be according to the Manual on Uniform Traffic Control Devices (MUTCD) and Palm Beach County Typical for Pavement Markings, Signing and Geometrics (latest edition). Show required notes and details for items that deviate from published standards if required. Signing and marking plans will require approval by FDOT and Palm Beach County Traffic Division.

- The Consultant will prepare a construction plan for a mid-block crossing along Swinton Avenue between Atlantic Avenue and NE 1<sup>st</sup> Street per the preferred concept alternative approved by the City. It is anticipated that the mid-block crossing will utilize solar powered Rectangular Rapid Flashing Beacon (RRFB).
- The Consultant will prepare construction plans for the improvements at full scale (1"=20') which can be plotted at a scale of 1" = 40' (11"x17" size) for the project. See Exhibit C for a complete sheet list. The plans and specifications will be suitable for permitting, bidding, and construction.
- Workshop style meetings with the City to review comments and accommodate reasonable requests for revisions after the 60%, 90% and permit completion submittals. Final plans will be prepared after receipt of the comments from the permit stage.
- Coordination with City's wayfinding project is anticipated with this project. Wayfinding design/plan can be provided as additional services.
- The Consultant will prepare an Opinion of Probable Construction Cost (OPC) for each phase submittal (60%, 90% and Final). 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 information known to the Consultant at this time and represent only the Consultant's judgement as design professionals 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.

## **TASK 9 – SIGNALIZATION PLANS**

### **Task 9.1 Swinton Ave/Atlantic Ave Intersection**

Consultant will prepare signalization plans at a scale of 1" = 40' (11"x17" PDF) to address the removal of the existing span wire signal and installation of new trombone mast arms at the intersections of Swinton Ave/Atlantic Ave. Standards will be according to the latest editions of the FDOT Standard Plans and Palm Beach County Traffic Signal Installation Standards and Details. This will include a typical cross section of the mast arm, required structural information, geotechnical information and utility clearance graphics. Signalization plans will require approval by FDOT Permitting as the owner and Palm Beach County Traffic Division as the maintaining agency.

- Meet with the City to review comments and accommodate reasonable requests for revisions after the 60%, 90% and permit completion submittals. Final plans will be prepared after receipt of the comments from the permit stage.
- The Consultant will prepare an Opinion of Probable Construction Cost (OPC) for each phase submittal (60%, 90% and Final). 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 information known to the Consultant at this time and represent only the Consultant's judgement as design professionals 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.



#### Task 9.2 SW 2<sup>nd</sup> Ave/Atlantic Ave

Consultant will prepare signalization modification plan at a scale of 1" = 40' (11"x17" PDF) to address the pedestrian and curb ramp improvements at SW 2<sup>nd</sup> Ave and Atlantic Ave. The existing trombone style mast arm signal will remain in place. Minor modifications are anticipated to the existing pedestrian push button locations and pedestrian heads to accommodate revised ADA improvements. Standards will be according to the latest editions of the FDOT Standard Plans and Palm Beach County Traffic Signal Installation Standards and Details. Signalization modification plan will require approval by FDOT Permitting as the owner and Palm Beach County Traffic Division as the maintaining agency.

- Meet with the City to review comments and accommodate reasonable requests for revisions after the 60%, 90% and permit completion submittals. Final plans will be prepared after receipt of the comments from the permit stage.
- The Consultant will prepare an Opinion of Probable Construction Cost (OPC) for each phase submittal (60%, 90% and Final). 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 information known to the Consultant at this time and represent only the Consultant's judgement as design professionals 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.

#### Task 9.3 SE 2<sup>nd</sup> Ave/ Atlantic Ave

Consultant will prepare signalization modification plan at a scale of 1" = 40' (11"x17" PDF) to address the signal coordination between Swinton and FEC tracks. The scope of signal coordination will be limited to providing conduit between the signal and the FEC signal cabinet up to but outside of FEC right-of-way. It is anticipated that signal interconnect conduit and fiber exists between this signal and others in the corridor; therefore, no additional conduit plan is provided in this task. Design and coordination with FEC is not included but can be provided as additional services.

- Meet with the City to review comments and accommodate reasonable requests for revisions after the 60%, 90% and permit completion submittals. Final plans will be prepared after receipt of the comments from the permit stage.
- The Consultant will prepare an Opinion of Probable Construction Cost (OPC) for each phase submittal (60%, 90% and Final). 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 information known to the Consultant at this time and represent only the Consultant's judgement as design professionals 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.

### **TASK 10 – STRUCTURAL DESIGN – SIGNAL MAST ARM DESIGN**

Consultant will design dual-arm trombone mast arms as allowed by the jurisdictional agencies to replace the existing strain pole signal system at Atlantic Ave/Swinton Ave. The mast arm will be designed in accordance with the current FDOT standards for mast arms. Consultant will prepare the 'Mast Arm Data Table' plan sheet to be included with the signal design plans noted in task 9.1.

### **TASK 11 – GEOTECHNICAL INVESTIGATION**

A subconsultant to Kimley-Horn will provide the following professional geotechnical engineering services for subsurface exploration and testing within the project limits:

To explore the subsurface conditions, we propose to perform (8) Pavement Cores. At each core location (12) Standard Penetration Test (SPT) borings will be completed a depth of approximately 10 feet below the existing grade. (2) permeability tests are also proposed. Within the borings, penetration resistance testing



will be performed in general accordance with the requirements of ASTM designations D 1586. Borings will be approximately located in the field by our drilling personnel by measuring distances with a tape from known reference points. (2) mast arm foundation boring to 40 feet into suitable soil or 10 feet into competent rock with 15 feet minimum total depth and soil parameters for mast arm design.

Prior to drilling at the project site, subconsultant will notify the local utility companies including the City and request that underground utilities be marked.

Upon completion of the field exploration, visual classifications will be performed and some laboratory testing, if necessary, will be performed on select samples.

A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued for each phase that contains the exploration data, a discussion of the site and subsurface conditions, information of ground control conditions, estimation of seasonal high ground water table, geotechnical recommendations for pavement subgrade design and a discussion of some construction considerations.

#### **TASK 12 – SUBSURFACE UTILITY EXPLORATION**

Consultant will provide Subsurface Utility Exploration (SUE) for this project. Gravity systems, overhead facilities and private laterals are not included in this investigation. Vacuum excavation services for up to 40 test holes at specific sites determined in the design process. Test holes will be vacuum excavated to expose utilities to minimize any potential for damage. Test holes beyond 40 may be provided as additional services.

A multilayer CAD files will be produced by the SUE subconsultant from information collected in the field. The CAD file will show locations of test holes in plan view with test hole number designation and direction of existing utilities. Information collected to be incorporated into Phase submittals as work progresses. SUE information will be summarized and provided by SUE subconsultant.

Consultant will provide utility locations and verification services within the corridor, using AWPAs standards for marking. A subsurface ground penetrating radar (GPR) unit will be used in addition to electromagnetic (EM) to perform/verify horizontal locations of existing utility lines within the corridor. Marks will be painted, or pin flags set to delineate the utilities on the surface.

#### **TASK 13 – VIDEO INSPECTION**

Consultant will utilize a subconsultant to provide video inspections for drainage pipes based on standard pipe cleaning conditions. Existing pipe conditions requiring effort above and beyond typical conditions will be provided as additional services. The budget is based on 3 days based on typical conditions, this includes removal of debris and cleaning of the pipes and structures. An FDOT maintenance of traffic permit will be obtained to perform this work.

#### **TASK 14 – PERMITTING**

Consultant will conduct pre-application meetings with SFWMD, PBC Traffic, FDOT Permitting, and Palm Tran to introduce the proposed project and confirm permit requirements. This scope assumes that there are no wetlands within the project.

Due to the proposed modification along Atlantic Avenue, a permit modification letter to SFWMD will be required to show the new drainage structures and additional impervious areas created. Consultant will apply for the permit modification and coordinate with SFWMD to receive the permit modification letter.

Consultant will apply for an Access/Driveway permit from FDOT for the street improvements along Atlantic Avenue within the FDOT R/W. This will also include the submittal of the Construction Agreement through FDOT One Stop Permitting (OSP). The City will provide Consultant with the required information necessary to fill out the required FDOT Construction Agreement. Consultant will coordinate with FDOT and the City to receive the permit and finalize the Construction Agreement. The final Construction agreement will be



reviewed and approved by the City and FDOT.

Consultant will work with FDOT to prepare a Maintenance Memorandum of Agreement (MMA) that will be reviewed and approved by the City and FDOT. The City will provide Consultant with the required information to fill out the FDOT MMA.

Consultant has no control over the actions of jurisdictional agencies and is not a party to agreements between the Client and others. Accordingly, professional opinions as to the status of permits and entitlements or the suitability for a specific purpose herein and professional opinions as to the probability and timeframe for approvals are made on the basis of professional experience and available data. Consultant does not guarantee that the outcome of permits and entitlements or suitability will not vary from its opinions. Because its opinions are based upon limited site investigation and scope of services, Consultant does not guarantee that all issues affecting the site have been investigated.

It is understood the permit application fees will be paid for with the permit allowance budget provided. Permit fees beyond the provided allowance will be paid directly by the City.

**Deliverable:**   SFWMMD Permit Modification Letter  
                      FDOT Access/Driveway Permit  
                      FDOT Construction Agreement  
                      FDOT MMA

#### ***TASK 15 – PEDESTRIAN LIGHTING PHOTOMETRICS DESIGN***

Consultant will evaluate the relocation or replacement of existing decorative light fixtures within the project limits. Consultant will review readily available information to determine if the existing light fixtures meet current wind load criteria for reuse. Two replacement options will be evaluated: one FPL fixture and one non-FPL LED option selected by the City. Consultant will prepare preliminary photometrics for the relocation and replacement options to determine the number of fixtures and anticipated cost. Provided light levels will comply with FDOT Design Manual and Florida Greenbook criteria west and east of Swinton Avenue, respectively. Intersection photometrics will include evaluation of crosswalk lighting. Consultant will prepare a lighting memorandum based on the lighting alternative selected by the City. The lighting memorandum will include design criteria, photometric results and supporting documentation. Lighting memorandum will be submitted to City and FDOT for review and approval prior to moving toward final design.

Consultant will coordinate with FPL to confirm any necessary modifications to the existing lighting service location. If the City selects a FPL-provided fixture, Consultant will provide FPL with the proposed light pole locations necessary to meet light criteria. FPL will complete the electrical design for the system. Consultant will complete the electrical design for any non-FPL provided components (OPTIONAL/ALLOWANCE).

Consultant will use subsurface utility information obtained in task 10 to review the light pole locations for constructability. This coordination will include one round of comment incorporation from utility / agency owners.

Consultant will prepare lighting construction drawings based on the lighting alternative selected by the City. Lighting plans will be submitted to the City and FDOT for review and approval. The lighting plans for FPL style lighting will entail proposed light pole locations, luminaire information, pullbox, and service locations. The lighting plans for non-FPL style lighting will entail proposed light pole locations, luminaire information, pullbox, conduit, wiring, and service locations. The CONSULTANT plans will entail electrical engineering design & load center details for any non-FPL supplied system.

The lighting plans will include the following sheets:

- Key Sheet
- General Notes
- Tabulation of Quantities
- Pole Data Table and Legend

- Lighting Plans
- Load Center Sheet (OPTIONAL/ALLOWANCE)
- Load Center Details (OPTIONAL/ALLOWANCE)

#### **TASK 16 – UTILITY COORDINATION**

Due to the location of existing above ground and below ground utilities along the proposed improvement areas, utility coordination and relocation is anticipated. Consultant will continue to coordinate and provide plan sheets to utility agency owners (UAO's) to identify their existing and proposed facilities and to determine if they have compensable rights; request estimates from UAO's of any compensable rights and include it in the project's cost from Task 3. Based on UAO's marked plans, confirm existing utilities in the roadway design are shown in the provided survey base file. Construction plans for relocation of any utilities will be performed by the UAOs and is not included in this scope. Consultant will create a Utility Conflict Matrix outlining the potential conflicts between utility facilities and proposed underground improvements. Conduct up to two combined utility coordination meetings and three (3) meetings with individual UAOs to resolve potential conflicts.

Prepare potential conflict matrix and provide with progress plans to UAOs. Coordinate resolution of utility conflicts and request utility relocation schedules from UAO's.

Coordinate subsurface utility exploration softdigs with subconsultant (from task 12) at potential conflict locations and include summary of test hole information in the plans.

Meet with City's Utility Department staff to identify any desired improvements within project limits and a follow up meeting for proposed improvements.

#### **TASK 18 – BIDDING SERVICES**

Consultant will prepare bidding documents and provide assistance to CITY. Consultant will review Requests for Information (RFI) from bidders. Consultant will draft a response to addenda. Consultant will issue revised plan sheets, all up to and in accordance with established budget. CITY will provide to Consultant the latest boiler plate bid document to be used for the project in a readily usable digital file (WORD document) and project information including any liquidated damages amounts. Consultant will attend one pre-bid meeting with provide meeting notes. Consultant will assist the City with Bid Evaluations and provide recommendations based on the bid results.

#### **TASK 19 – POST DESIGN SERVICES**

Consultant will provide post design services up to the budgeted amount. These services include response to RFIs, attendance at meetings and issuance of revisions to plans when required. Services beyond the budgeted amount will be negotiated as additional services at that time with the then current rates.

#### **EXHIBIT C** **(Sheet List)**

- Cover/Key Sheet (1 Sheet)
- General Notes (1 Sheet)
- Typical Sections (2 Sheets)
- Summary of Quantities (1 Sheet)
- Survey Horizontal Control (4 Sheets)
- Roadway Plans (4 Sheets)
- Roadway Profiles (centerline and back of walk combined) (4 Sheets)
- Roadway Cross Sections at 50' interval (18 Sheets)
- Intersection Detail Sheets (up to 4 sheets)
- Misc. Construction Details (up to 2 sheets)



- Traffic Signal Plans (3 sheets)
- Mid-Block Crossing Detail (1 sheet)
- Drainage Details (3 Sheets)
- Maintenance of Traffic Plans & Notes (3 Sheets)
- Utility Adjustment Sheets (4 sheets)
- Summary of Verified Utilities (1 sheet)
- Signing and Pavement Marking Plans (4 Sheets)
- Erosion Control and SWPPP Plans (4 Sheets)
- Landscape Plans (4 Sheets)
- Landscape Details (4 Sheets)
- Irrigation Plans (4 Sheets)
- Irrigation Details (4 Sheets)
- Hardscape Plans (4 Sheets)
- Hardscape Details (4 Sheets)
- Lighting Plans (9 Sheets)

### **Assumptions**

The following assumptions have been made for this scope of work:

1. Deliverables will be in DWG, PDF, Microsoft Word, and Excel as required.
2. All project required agency fees will be paid for by the Consultant as part of the permit allowance. Required permit fees that go beyond the provided allowance will be paid directly by the City.
3. Contractor will be required to submit their own traffic control plans to be reviewed and approved by the City and FDOT for their construction activities.
4. Right-of-way for this project has been acquired by the City and no additional right-of-way is anticipated for this project.
5. This scope of work specifically excludes any coordination for or preparation of easements, right-of-way donations/dedications, or other means of property rights conveyance.
6. No updates to adopted parking studies will be performed, and no identification of parking within the City will be performed to mitigate any loss of parking due to this project.
7. Water meter modifications will be shown on plans per City of Delray standard details. Design requirements needed beyond the standard details will fall under the provided water line design allowance task to be approved by the City prior to utilization.
8. Water main modifications beyond the standard details will fall under the provided water line design allowance task to be approved by the City prior to utilization.
9. Drainage analysis does not include stormwater analysis of systems outside limits of construction.
10. Undergrounding of overhead utilities are not anticipated and are not included in this scope of work.
11. Consultant assumes that City of Delray Beach permits are not required for this project. Attendance and/or preparation of materials required for Site Plan Review and Appearance Board (SPRAB) or Historic Preservation Board, as well as all services required for permit construction permit application with the City of Delray Beach are excluded from this agreement.
12. Consultant assumes that all public meetings/workshops will be held at the Swinton Operations Center.
13. City Responsibilities:
  - Existing records including files, plans, and any other pertinent engineering information.
  - Maintenance requirements and preferences at the start of the design process.
  - Bid document boilerplate and City standard specifications in WORD format.
  - Assigned project manager and one point of contact for all decisions.
  - Access to City facilities for public meetings and public gatherings as needed.
  - City to provide existing utility conditions (inspection) if available.

### **Additional Services**

Any services not specifically provided for in the above scope will be billed as additional services and performed at our then current hourly rates. Additional services we can provide include, but are not limited to the following:

- Signal Design and Plans beyond what is stated in the scope
- Coordination, Design, and Permit with Florida East Coast Railway (FEC)
- Public Involvement meetings or presentations beyond what is stated in the scope
- Drainage design and Analysis for areas outside of project limits and outside limits of construction
- Environmental or archeological studies
- Parking analysis and/or evaluation beyond what is stated in the scope
- Wayfinding signage/ standards and/or design.
- Additional meetings or presentations beyond those identified in this scope of services
- Sanitary Sewer video inspections (atlas and city provided as-builts do not show any sewer lines within Atlantic Ave ROW)
- Title Company research and reports
- Legal and sketches for right-of-way and acquisition support
- Additional plan submittals beyond what is stated in the scope of services
- Major horizontal geometric layout design change requests from the City after City acceptance of the 60% Phase design (i.e. alternative layout change, roadway alignment modifications, etc.)
- Additional SUE test holes beyond those identified in this scope of services

### **Schedule**

We will provide our services according to a mutually agreed upon schedule. Upon issuance of Notice-to-Proceed one of our first tasks will be to create a schedule showing tasks and relationships with review times according to agreement with City staff.

### **Compensation**

#### Lump Sum Tasks

Consultant will perform the services in Tasks 1, 3 to 16, and 18 for the total lump sum labor fee, see attached fee estimate. Kimley-Horn will not exceed the total maximum labor fee shown without authorization from the Client. Refer to attached Estimated Effort Proposal for summary of estimated staff hours and expenses. All permitting, application and similar project fees will be paid from an allowance provided by the City. Any permitting, application and similar project fees that exceed the provided allowance will be paid directly by the Client

Lump sum fees will be invoiced monthly based upon the overall percentage of services performed. Direct Expenses as a percentage of labor fee will be added to each invoice to cover certain other expenses as to these tasks such as telecommunications, in-house reproduction, first class postage, supplies, project related computer time, and local mileage. Payment will be due within 45 days of your receipt of the invoice and should include the invoice number and Consultant project number.

#### Not to Exceed Tasks

Consultant will perform the Services in Tasks 2 and 19 on a not-to-exceed (hourly labor fee) basis, see attached fee estimate. Labor fee will be billed on an hourly basis according to our then-current rates. Direct Expenses billed as a percentage of labor fee will be added to each invoice to cover certain other expenses



as to these tasks such as telecommunications, in-house reproduction, first class postage, supplies, project related computer time, and local mileage.

Consultant will not exceed the total maximum labor fee shown without authorization from the Client. Individual task amounts for not-to-exceed items are provided for budgeting purposes only. Consultant reserves the right to reallocate amounts among tasks as necessary for not-to-exceed budgets. Refer to attached Estimated Effort Proposal for summary of estimated staff hours and expenses. Payment will be due within 45 days of your receipt of the invoice and should include the invoice number and Consultant project number.

# Estimated Effort Proposal - Delray Beach

02/19/2024

## Swinton Avenue and Atlantic Avenue Intersections Improvements Project

TASKS		Kimley-Horn Staff										Subconsultants				
		Senior Engineer 2	Senior Engineer 1	Engineer 2	Engineering 1	Engineering Intern	Project Landscape Architect	Landscape Architect	Secretary/ Clerical	HSQ	CAS	Flotech	Traffic Survey Specialists	H2R		
Hourly Billing Rate		\$295.00	\$226.00	\$204.00	\$166.00	\$132.00	\$186.00	\$140.00	\$98.00							
1	Project Management and Agency Coordination	8	60	60		24	12		36							
3	Survey															
3.1	Base Mapping and Survey		2	4		16										
3.2	Title Search			4						\$ 30,954						
3.3	Field Review		8	12		12	12			\$ 1,063						
4	Traffic Analysis															
	Intersection Counts (7 x 7AM-2AM x 2 days & 2 from 7-9/4-6)		1			2			2			\$ 18,000				
	Valet Counts (7AM-2AM x 2 days)		1			2			2			\$ 2,000				
	Review Counts		2			4										
	Review Existing Studies		6			8										
	Analysis of Additional Intersection in Studies		2			24										
	Traffic Projections		6			18										
	Develop Intersection Volumes		2			8										
	Synchro Setup		4			12										
	Signal Optimization		4			8										
	Pre-Emption Signal Timing		4			6										
	Report		8			24			5							
5	Civil Engineering Design															
	Design Horizontal and Vertical Analysis	2	14	28		168										
	Design Standards		2	4		16										
	Horizontal Analysis	1	2	4		32										
	Roadway Vertical Analysis	1	2	4		28										
	Sidewalk Vertical Analysis		4	4		28										
	Truck Turning		2	4		16										
	Curb Flow		2	4		16										
	Cross Slope Analysis			4		32										
60%	Roadway Plans															
	Key Sheet (1)			1		4							\$ -	\$ -		
	General Notes (1)			1		4							5	\$ 732.00 \$ 732		
	Typical Sections (2)		1	2	8								5	\$ 732.00 \$ 732		
													11	\$ 1,962.00 \$ 1,962		



Estimated Effort Proposal - Delray Beach

02/19/2024

Swinton Avenue and Atlantic Avenue Intersections Improvements Project

TASKS	Kimley-Horn Staff										Subconsultants					Assumed Schedule Duration =		Months	
	Senior Engineer 2	Senior Engineer 1	Engineer 2	Engineering 1	Engineering 1	Engineering Intern	Project Landscape Architect	Landscape Architect	Secretary/Clerical	HSQ	CAS	Flotech	Traffic Survey Specialists	H2R	Total Hours	Labor Cost	Total Cost	12	Total Cost
	\$295.00	\$226.00	\$204.00	\$166.00	\$132.00	\$186.00	\$140.00	\$98.00											
Hourly Billing Rate																			
Summary of Quantities (1)		1	4		10										15	\$ 2,362.00	\$ 2,362		2,362
Survey Horizontal Control (4)			2		4										6	\$ 936.00	\$ 936		936
Roadway Plans (4)		1	8		24										33	\$ 5,026.00	\$ 5,026		5,026
Roadway Profiles (4)		1	4		12										17	\$ 2,626.00	\$ 2,626		2,626
Cross Sections (18)		2	4	24											30	\$ 5,252.00	\$ 5,252		5,252
Intersection Detail Sheets (4)		2	4	18											24	\$ 4,256.00	\$ 4,256		4,256
Misc Construction Details (2)		1	2		4										7	\$ 1,162.00	\$ 1,162		1,162
Mid-Block Crossing Detail (1)			2	4											6	\$ 1,072.00	\$ 1,072		1,072
Drainage Details (3)		1	8		4										13	\$ 2,386.00	\$ 2,386		2,386
Traffic Control Plan and Notes (3)		1	4		8										13	\$ 2,098.00	\$ 2,098		2,098
Utility Adjustment Sheets (4)		1	8		12										21	\$ 3,442.00	\$ 3,442		3,442
OPC		4	4		24										32	\$ 4,888.00	\$ 4,888		4,888
QA/QC Reviews and Documents	2	10													12	\$ 2,850.00	\$ 2,850		2,850
90% Roadway Plans																\$ -	\$ -		-
Key Sheet (1)					1										1	\$ 132.00	\$ 132		132
General Notes (1)					1										1	\$ 132.00	\$ 132		132
Typical Sections (2)			2		4										6	\$ 936.00	\$ 936		936
Summary of Quantities (1)			2		8										10	\$ 1,464.00	\$ 1,464		1,464
Survey Horizontal Control (4)					2										2	\$ 264.00	\$ 264		264
Roadway Plans (4)		1	8		16										25	\$ 3,970.00	\$ 3,970		3,970
Roadway Profiles (4)		1	4		10										15	\$ 2,362.00	\$ 2,362		2,362
Cross Sections (18)			2	16											18	\$ 3,064.00	\$ 3,064		3,064
Intersection Detail Sheets (4)			2	8											10	\$ 1,736.00	\$ 1,736		1,736
Misc Construction Details (2)					4										4	\$ 528.00	\$ 528		528
Mid-Block Crossing Detail (1)			2												2	\$ 408.00	\$ 408		408
Drainage Details (3)			4		2										6	\$ 1,080.00	\$ 1,080		1,080
Traffic Control Plan and Notes (3)					2										2	\$ 264.00	\$ 264		264
Utility Adjustment Sheets (4)			2		12										14	\$ 1,992.00	\$ 1,992		1,992
Summary of Verified Utilities (1)			1		4										5	\$ 732.00	\$ 732		732
OPC		4	4		12										20	\$ 3,304.00	\$ 3,304		3,304

Swinton Avenue and Atlantic Avenue Intersections Improvements Project

TASKS			Kimley-Horn Staff										Subconsultants					Assumed Schedule Duration =	12 Months	
Senior Engineer 2	Senior Engineer 1	Engineer 2	Engineering 1	Engineering Intern	Project Landscape Architect	Landscape Architect	Secretary/ Clerical	HSQ	CAS	Flotech	Traffic Survey Specialists	H2R	Total Hours	Labor Cost	Total Cost					
\$295.00	\$226.00	\$204.00	\$166.00	\$132.00	\$186.00	\$140.00	\$98.00													
	2	6												8	\$ 1,946.00	\$ 1,946.00				
100% Roadway Plans															\$ -	\$ -				
														1	\$ 132.00	\$ 132.00				
														1	\$ 132.00	\$ 132.00				
														2	\$ 264.00	\$ 264.00				
														6	\$ 936.00	\$ 936.00				
														2	\$ 264.00	\$ 264.00				
														5	\$ 732.00	\$ 732.00				
														5	\$ 868.00	\$ 868.00				
														5	\$ 868.00	\$ 868.00				
														3	\$ 536.00	\$ 536.00				
														2	\$ 264.00	\$ 264.00				
														2	\$ 332.00	\$ 332.00				
														3	\$ 540.00	\$ 540.00				
														2	\$ 264.00	\$ 264.00				
														20	\$ 2,928.00	\$ 2,928.00				
														5	\$ 732.00	\$ 732.00				
														3	\$ 468.00	\$ 468.00				
														10	\$ 1,464.00	\$ 1,464.00				
														44	\$ 8,354.00	\$ 8,354.00				
														8	\$ 1,946.00	\$ 1,946.00				
6 Stormwater Design Memo														132	\$ 22,190.00	\$ 22,190.00				



**Estimated Effort Proposal - Delray Beach**  
**Swinton Avenue and Atlantic Avenue Intersections Improvements Project**

[illegible]

## Swinton Avenue and Atlantic Avenue Intersections Improvements Project

[illegible]



TASKS	Kimley-Horn Staff										Subconsultants				
	Senior Engineer 2		Senior Engineer 1	Engineer 2	Engineering 1	Engineering Intern	Project Landscape Architect	Landscape Architect	Secretary/ Clerical	HSQ	CAS	FloTech	Traffic Survey Specialists	H2R	
	Hourly Billing Rate														
16 Utility Coordination	\$295.00	\$226.00	8	\$294.00	\$166.00	\$132.00	\$186.00	\$140.00	\$98.00						
18 Bidding Services			6	18		6	2	2							
TOTAL HOURS															
	22	293	487	184	1251	150	359	57							
Subtotals	\$ 6,490	\$ 66,218	\$ 99,348	\$ 30,544	\$ 165,132	\$ 27,900	\$ 50,260	\$ 5,586	\$ 32,017	\$ 18,920	\$ 20,000	\$ 24,840			
DIRECT EXPENSES 4.6% OF LABOR \$ 20,768															
ALLOWANCE: WATER MAIN DESIGN \$ 15,000															
CITY REQUESTED 10% CONTINGENCY ALLOWANCE \$ 45,148															
OPTIONAL: ELECTRICAL LIGHTING DESIGN \$ 8,116															
ALLOWANCE: PERMIT REVIEW FEES (SRWMD & FDOT) \$ 2,400															
LUMP SUM FEE TOTAL COST \$ 663,051															

[illegible]

Estimated Effort Proposal - Delray Beach

02/19/2024

Swinton Avenue and Atlantic Avenue Intersections Improvements Project

TASKS	Kinley-Horn Staff										Subconsultants				Assumed Schedule Duration = 12 Months	
	Senior Engineer 2	Senior Engineer 1	Engineer 2	Engineer 1	Engineering Intern	Project Landscape Architect	Landscape Architect	Secretary/Clerical	HSQ	CAS	Flotch	Traffic Survey Specialists	H2R	Total Hours		Total Cost
	Hourly Billing Rate															
	\$295.00	\$226.00	\$204.00	\$166.00	\$132.00	\$186.00	\$140.00	\$98.00						78	\$	11,964.00 \$
		4		56				18								
								8						8	\$	784.00 \$
			2	2										4	\$	740.00 \$
				4										4	\$	664.00 \$
				20										20	\$	3,320.00 \$
2.2 Additional Stakeholder Meetings															\$	- \$
		15	15											30	\$	6,450.00 \$
		5		10				5						20	\$	3,280.00 \$
				5										5	\$	830.00 \$
19 Post Design Services		8	28		24	28	18	12						118	\$	19,592.00 \$
		64	57	331	60	60	110	314						996		
TOTAL HOURS																
Subtotals	\$ -	\$ 14,464	\$ 11,628	\$ 54,946	\$ 7,920	\$ 11,160	\$ 15,400	\$ 30,772	\$ -	\$ -	\$ -	\$ -	\$ -		\$	126,468 \$
DIRECT EXPENSES 4.6% OF LABOR \$																
KH PublicCoordinate \$																
OPTIONAL: GRAPHIC RENDERINGS \$																
CITY REQUESTED 10% CONTINGENCY ALLOWANCE \$																
NOT-TO-EXCEED TOTAL COST \$																
TOTAL PROJECT BUDGET (LUMP SUM + NOT-TO-EXCEED) \$																

Billing rates are effective for design phase through June 2025, after that then-current rates will apply and rates will be increased a minimum of 5% annually