

RESOLUTION NO. R-BCRA-2015- 54

A RESOLUTION OF THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY ("CRA"), AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO ISSUE A NOTICE TO PROCEED FOR THE ATTACHED PROPOSAL WITH KIMLEY-HORN AND ASSOCIATES TO PROVIDE CONSULTING SERVICES FOR A1A LANE IMPROVEMENTS AND UNDERGROUNDING OF OVERHEAD UTILITIES LINES FOR AN AMOUNT NOT TO EXCEED \$258,885.00; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the Hollywood Beach Community Redevelopment Agency (CRA) Plan identifies the need to redevelop the A1A corridor from Hollywood Boulevard to Sherman Street by improving circulation for pedestrians, bicyclists, and motorists, and to underground the overhead utilities lines along SR A1A; and

WHEREAS, the CRA Plan outlines redevelopment concepts identifying SR A1A from Sheridan Street to Hollywood Boulevard as the major north-south thoroughfare on the barrier island; and

WHEREAS, pursuant to Resolution No. R-2013-251, the City of Hollywood has expressed a commitment to Complete Streets policies and practices which help to encourage the design, planning and construction of safer, healthier streets and ultimately increase physical activity and the health of neighborhoods; and

WHEREAS, the CRA redevelopment concepts along the SR A1A corridor recommend preserving and maintaining the natural resources along Hollywood Beach; and

WHEREAS, the CRA supports the application of Complete Streets guidelines for SR A1A for a corridor that is designed and operated to enable safe access for all users, including pedestrians, bicyclists, motorists and transit riders of all ages and abilities; and

WHEREAS, the new design will incorporate wider sidewalks, landscape buffers, sharrows bike lanes, and a beautified streetscape design; and

WHEREAS, the Florida Department of Transportation (FDOT) is implementing its Resurfacing, Restoration, and Rehabilitation (RRR) program of Streets and Highways for SR A1A between Monroe St. and Sheridan St; and

WHEREAS, the CRA Complete Streets project from Hollywood Boulevard to Sheridan Street is located within the FDOT RRR project limits; and

WHEREAS, CRA staff recommends that the CRA partner with FDOT on its RRR to include CRA design details at a cost savings of approximately \$1.5M; and

WHEREAS, the reconfiguration of the A1A corridor from Hollywood Boulevard to Sheridan Street will need to be permitted by FDOT; and

WHEREAS, pursuant to Resolution R-BCRA-2014-30, the CRA Board authorized the appropriate CRA officials to enter into an agreement with Kimley-Horn and Associates to provide consulting services for the CRA project before the CRA became aware of the FDOT RRR project; and

WHEREAS, Kimley-Horn and Associates has prepared conceptual plans for this project, and the funding requested by this resolution is to complete preparation of permitted construction plans; and

WHEREAS, the amount of fees to be paid for the consulting services provided by Kimley-Horn and Associates, Inc. shall not exceed \$258,885.00; and

WHEREAS, it is in the best interest of the Beach CRA to amend the agreement with Kimley-Horn and Associates, Inc. for professional engineering services to implement the project, including partnering with FDOT, in an expeditious fashion; and

WHEREAS, funding for this expenditure is available in the Beach CRA FY 2016 account number 63.0185.00180.552.003130 – Consulting Services (Plan/Arch/Eng);

NOW, THEREFORE, BE IT RESOLVED BY THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY:

Section 1: That it hereby authorizes the issuance, by the appropriate CRA Officials, of a Notice to Proceed for the attached proposal between Kimley-Horn and Associates and the CRA, together with such non material changes as may be subsequently agreed to by the Executive Director of the CRA and approved as to form and legality by the CRA General Counsel, in an amount to exceed \$258,885.00.

A RESOLUTION OF THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY ("CRA"), AUTHORIZING THE ATTACHED PROPOSAL WITH KIMLEY-HORN AND ASSOCIATES

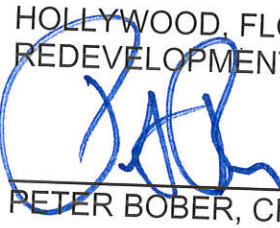
Section 2: That this resolution shall be in full force and effect immediately upon its passage and adoption.

PASSED AND ADOPTED this 18th day of November, 2015.

ATTEST:



PHYLLIS LEWIS, BOARD SECRETARY

HOLLYWOOD, FLORIDA COMMUNITY
REDEVELOPMENT AGENCY


PETER BOBER, CHAIR

APPROVED AS TO FORM AND LEGALITY
for the use and reliance of the Hollywood,
Florida Community Redevelopment Agency
only.



JEFFREY P. SHEFFEL, GENERAL COUNSEL 



September 30, 2015 (Revised 10/30//2015)

Ms. Susan Goldberg, Architect
Assistant Director
City of Hollywood CRA
Hollywood, FL 33022-9045

**RE: *SR A1A Streetscape Plans from Hollywood Boulevard to Sheridan Street,
City of Hollywood, Florida***

Dear Ms. Goldberg:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "the Consultant") is pleased to submit the Agreement for Professional Services for professional planning, engineering, landscape architecture and electrical engineering consulting services related to the SR A1A streetscape plans from Hollywood Boulevard to Sheridan Street. Our project background, scope of services and fees are described below.

Project Background

The City of Hollywood/CRA is considering redevelopment of the SR A1A corridor using Complete Street design guidelines. To support this vision the Client had concept plans developed which will change the location of curb and traffic lanes. Additionally, the City desires to underground the existing overhead electric lines. The City will enter into agreement with FDOT to design and construct some elements of the desired concept plan under the FDOT's upcoming resurfacing project. The City's proposed streetscape improvements which include landscape, hardscape, irrigation, traffic signals and decorative street lights along SR A1A will be constructed separately after the FDOT resurfacing project. FDOT will not allow the City to damage and restore the recently resurfaced roadway in order to accommodate the future streetscape improvements. Therefore, Kimley-Horn will develop complete streetscape plans in order to identify items that should be included in the FDOT resurfacing project to avoid damage to FDOT's resurfacing improvements. Kimley-Horn will provide FDOT with these items in CAD format to allow FDOT to incorporate in their design plans and will continue development of final plans to allow the City to bid the project.

Project Area

The project area encompasses a corridor comprising SR A1A right-of-way between Hollywood Boulevard and Sheridan Street in the City of Hollywood. Side streets are not included in the scope of the project, except for required connection of FPL underground lines.

Project Assumptions

For the proposal:

1. The scope is to develop final design plans and permitted construction drawings for bidding.
2. All surveying services including existing tree location, size, and species, will be provided by the Client.
3. All base map drawings and computer files will be provided by Client / FDOT based on the proposed design.

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4. TDLC and design variance application through FDOT will be continued in this scope.
5. Brannon & Gillespie is the subconsultant to Kimley-Horn to provide the overhead electrical power line undergrounding design. They will also provide electrical service point design for connection to irrigation controllers, street lights and parking garage space counter signs. They will coordinate with signalization engineer.
6. This scope of services includes the development of technical specifications but not bid forms. Since SR A1A is a State highway, FDOT specifics will be used by reference in the construction plans.
7. Design of hardscape is limited to the following elements:
 - a. Decorative pavement treatments for sidewalks and crosswalks
 - b. Site furnishings (benches, bollards, waste receptacles, Tree grates or other materials)
8. Arboriculture services for existing tree valuation or existing tree condition assessment is excluded from this proposal.
9. Decorative City identification signage design is excluded from this proposal. However, Kimley-Horn will coordinate with the City's wayfinding sign consultant during their permitting with FDOT.
10. Landscape design will be provided along the SR A1A corridor.
11. Permitting through FDOT will include parking space counter signs to simplify coordination. Design, construction plans, cost estimates, etc. will be provided by others.

Scope of Services

Task 1 – Underground FPL's overhead electric power and communication lines

Task 1.1 – Electrical Engineering Design (Brannon & Gillespie)

Kimley-Horn will contract with subconsultant Brannon & Gillespie, LLC Consulting Engineers to design the undergrounding of the existing FPL overhead electric lines and AT&T and Comcast lines on FPL ples. The detailed scope and fee for their work is attached separately to this proposal. This scope will also include providing electrical service connection design for street lights, irrigation controllers and four parking garage space counter signs.

Task 1.2 – Undergrounding and Electrical Design Coordination

Kimley-Horn will coordinate with Electrical Engineer to ensure common base map for project drawings. Kimley-Horn will also meet with Electrical Engineer to review electrical design against landscape and hardscape design and to provide Electrical Engineer with available information on existing drainage. Kimley-Horn will also collaborate to review potential conflicts with the electrical lines and to coordinate location of service points related to street lights, irrigation controllers, landscape lights, signals and parking counter signs.

Task 1.3 – Electrical Design for Landscape Lighting

Kimley-Horn will contract with subconsultant Brannon & Gillespie, LLC Consulting Engineers to provide electrical design for landscape lighting along the SR A1A corridor from Arizona Street to New Mexico Street.



Task 2 – Landscape Architecture

Kimley-Horn will provide landscape architecture services as outlined below.

Task 2.1 – Landscape Conceptual Design and Design Development

Kimley-Horn will perform the following site investigation tasks:

1. Visit the site one time to take photographs.
2. Verify tree survey by observing existing trees and confirming sizes and species.
3. Meet with City staff to determine plan preferences
4. Perform FDOT design standards research for the project.

Kimley-Horn will provide conceptual and design development hardscape and landscape design services for the proposed roadway design scenario:

Conceptual Design Deliverables:

- Up to three plan view vignettes of planting and hardscape design for presentation to the Client. One will be for the four lanes and one for the five lane section. Vignettes are design concepts of portions of the site, a typical 300' portion of the site that includes median, intersection, and roadside plantings.
- One 3D perspective photo rendering of each of the four and five lane sections.
- Two cross section renderings (2D) line drawings for the four and five lane sections.
- Plant palette, showing photographs of proposed plant materials
- Hardscape palette, showing photographs of furnishings, decorative pavement selections, and other proposed above-ground design elements.

Upon receiving Client input, KIMLEY-HORN will revise the conceptual drawings (up to two rounds) to produce a design development plan and selections that will be used as a basis for the permit/construction documents.

Design Development Deliverable:

- Plan view rendering of a typical 1000' or more to adequately depict a four and five lane section of the corridor and traffic signal, if applicable.
- Plant palette and hardscape palette selections printed on a color board.

Task 2.2 – Landscape Architectural Construction Documents

Based on client input gathered at the start of the project, KIMLEY-HORN will prepare the following permit construction documents:

Tree Disposition Plan: KHA will use the Client-provided tree survey and field observations to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at

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Breast Height (DBH), canopy spread. This plan will tabulate trees to remain, to be removed, and/or to be relocated for coordination with FDOT 3R projects as well as the permanent design. This includes existing trees in the median. KHA will provide notes and details to support the trees' disposition, and in accordance with City and FDOT requirements, as well as mitigation calculations, as required.

Planting plans for this package will delineate plant material, plant location and project-specific planting details for the following:

- Median plantings
- Roadside plantings
- Tree grate
- Tree staking

Irrigation plans: Kimley-Horn will provide the following irrigation design services after Client approval of the 90% landscape plans:

- Calculation of irrigation system requirements based on water application per week and water window availability as determined by local municipality and Water Management District.
- Water source(s) evaluation for irrigation system and integration options with existing campus irrigation system.
- Irrigation mainline and sub-mainline sizing with recommended routing.
- Coordination with project civil engineer for sleeve and mainline routing, as applicable.
- Master central control evaluation and recommendation, including analysis of system operation. A conceptual irrigation operation schedule for the project will be included.
- Irrigation controller locations with power supply drop locations. Solar powered controllers may also be used at the Client's request)
- Material legend of all components.
- Ancillary notes, calculations, and labels required to develop a master irrigation system.
- Electrical service point connection for irrigation controllers.
- Coordination with Public Works irrigation specialist regarding proposed irrigation material.

Hardscape plans: Based on Client design input gathered during the Design Development phase, Kimley-Horn 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, decorative crosswalk materials, and/or decorative concrete or colored asphalt.
 - Tree Grates or exterior planter pots/vessels
 - Site furnishings – specification and layout locations
- Landscape lighting schematic layout for Client-selected portions of the project site. Schematic plans will identify equipment locations, provide an equipment schedule, and provide schematic detailing and performance specifications for selected equipment to support the design. This assumes one light fixture type to be selected by the Client. Additional details to be provided by manufacturer. Electrical engineering by others.

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SUBMITTALS

Client design direction will be incorporated into the submittal packages as follows:

- 60% plans will be produced and submitted along with the roadway design package. It is anticipated that detailed hardscape design and full irrigation drawings will not be required for 60% plans.
- After responding to 60% comments, 90% plans will be produced and will also include the hardscape and irrigation design drawings. These drawings will be submitted to the City and to FDOT for permitting.
- After responding to client and FDOT comments on the 90% plans, 100% construction drawings and specifications will be submitted to the City for bidding the improvements and to FDOT to obtain permits.

Task 3 – Street Lighting Design

Kimley-Horn will coordinate with Client to select a decorative street light fixture and prepare photometric analysis and final design construction drawings as follows:

Lighting Analysis Report: Kimley-Horn will prepare a lighting analysis report, submit it to FDOT for their review and address their initial review comments. One lighting fixture shall be selected by Client after evaluation of options but prior to any design analysis. Light fixtures must comply with FWC requirements if applicable for this segment of the road.

Street Lighting Plans: Upon FDOT acceptance of the lighting analysis report, Kimley-Horn will prepare street lighting plans and submit progress plans (60% complete phase) to Client and FDOT for their review. Upon acceptance by Client and FDOT, Kimley-Horn will prepare and submit 100% complete electrical street lighting construction plans and specifications to Client and FDOT and will submit to FWC for their review and approval if needed.

Task 4 – Traffic Signals

Signal Warrant Evaluation: Kimley-Horn will prepare an evaluation of the warrant criteria for Warrant 8 (Roadway Network) as defined in the Manual on Uniform Traffic Control Devices. For this analysis, continuous roadway count data will be collected on all approaches at the following three (3) intersections that will be evaluated:

- Carolina Street & SR A1A
- Nebraska Street & SR A1A
- Garfield Street & SR A1A

Additionally, turning volume data will be collected at all three intersections during one (1) AM peak period (7:00 AM – 9:00 AM), one (1) PM peak period (4:00 PM – 6:00 PM) and one (1) Saturday peak period (2:00 PM – 4:00 PM or alternate peak period as determined by a review of count data). This count data will be used to evaluate the volumes in comparison with the warranting thresholds defined in the MUTCD for Warrant 8. Included in the count data will be bicycle and pedestrian demand at each intersection.

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Kimley-Horn will prepare a written report summarizing the analyses undertaken, including relevant figures and tables.

Additionally, Kimley-Horn will be available to meet with representatives from the City of Hollywood, Broward County and the Florida Department of Transportation to review and discuss the findings of the report. Participation at up to three (3) meetings is included in this Task. Also included are revisions to the report based upon one (1) round of comments.

Signal Design (Tasks below will be performed for each signal)

Task 4.1 – Pre-Application Meeting

Kimley-Horn will attend one (1) meeting with the Broward County Traffic Engineering Division and the Florida Department of Transportation (FDOT) to discuss the proposed signalization. The signal design requirements and general layout will be discussed.

Task 4.2 – Base Mapping

An intersection survey shall be provided by the Client. The survey shall include information for a traffic signal design. The plans shall include lane widths, edges of pavement, right-of-way, signing, pavement markings, evident above-ground and underground utilities, sidewalks, and minor topography at all corners of each intersection. Kimley-Horn will review the intersection in the field using the base map plot as a reference.

Task 4.3 –60% Signal Plan Preparation

Kimley-Horn will develop a Conceptual Signal Plan for the modifications to one corner at the subject intersection to be submitted for the 60% review stage. The Conceptual Signal Plan will indicate the location of proposed signal pole and mast arm, controller, mast arm orientation, signal head placement, pedestrian signal heads and pushbuttons, and electrical service. Kimley-Horn will coordinate with Broward County Traffic Engineering Division to determine the location or relocation of the signal hardware, the need for interconnection with adjacent traffic signals (if necessary), and the extent to which existing electric service can be used with the proposed signal.

Kimley-Horn will submit the Conceptual Signal Plan to Broward County Traffic Engineering Division and FDOT, and attend one plan review meeting with county staff. Kimley-Horn will coordinate with county and FDOT staff and the Client to address comments on the preliminary design and then proceed to prepare the Signal Plans Package. Kimley-Horn will provide to FDOT the desired crosswalk design / locations at the signalized intersections.

Task 4.4 – 90% Signal Plan Preparation

Kimley-Horn will prepare a set of traffic signal design plans and furnish a Signal Plans Package in accordance with the current appropriate Broward County Traffic Engineering Division and FDOT traffic signal plans preparation standards. The Signal Plans Package will be prepared for the 90% review stage, including proposed conduit layout, pay items, general notes, key sheet, detector schedules, traffic signal head legend, the mast arm structural calculation plan sheets for the new pole/mast-arm, and previously incorporated comments.

The Signal Plan Package will be submitted to the Broward County Traffic Engineering Division and

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FDOT for their review and comment. Kimley-Horn will coordinate with the Client regarding any comments received from the County and then proceed to address comments and begin preparation of the Final Signal Plans Package.

Kimley-Horn will require a soft-dig to be performed at the proposed pole location.

Task 4.5 – Mast Arm Structural Calculations

Geotechnical design data is required for the mast arm foundation design. Kimley-Horn will coordinate with the Client to obtain the appropriate Standard Penetration Test (SPT) soils boring information from the Client's licensed geotechnical engineer, or retain our own licensed geotechnical engineer if the Client does not have one as part of Task 7, Optional Services.

The mast arm structure calculation requires relative spot elevations at the pole location and at the crown of the roadway beneath each mast arm overhang. As described in Task 2, the elevations at the subject intersection shall be provided in the survey.

Kimley-Horn will review the soil boring data and spot elevations and perform one design of the mast arm structure at the subject intersection (including mast arm, upright and arm-upright connections, base plate, anchor bolts, and foundation) based on Kimley-Horn's signal design.

The mast arm design plan sheets and calculations will be developed in accordance with FDOT design requirements. Based on the location and geometry of the existing intersection and proposed improvements, Kimley-Horn anticipates that mast arm calculations will be developed for one mast arm traffic signal installation.

Task 4.6 – Submit Final Signal Plans

Kimley-Horn will prepare the Final Signal Plans upon Broward County Traffic Engineering Division and FDOT review and approval of the 90% plans.

Final plans submittal to Broward County Traffic Engineering Division and FDOT will include up to four 11 inch x 17 inch plan sets.

Task 4.7 – Permitting for Signals

Kimley-Horn will prepare and submit 100% construction drawings and permit applications pertaining to the design and maintenance of the proposed signal to Broward County Traffic Engineering Division, FDOT and FWC, if required.

Task 5 – Coordination with agencies (Client and Public and Progress meetings)

Kimley-Horn will attend meetings and join conferences with Client and agencies up to the estimated budget under this task. This task will include coordination with Fish and Wildlife Commission (FWC) regarding street lighting as well as coordination with Broward County and various FDOT offices. It also includes two public meetings and two CRA Board or commission meetings. Kimley-Horn will coordinate with Client's subconsultant who is responsible for the design of the parking garage space counter sign to assist in the FDOT permitting process.



Optional Services

The following optional services may be provided by subconsultants.

Task 6 – Subsurface Utility Exploration (SUE)

Kimley-Horn will contract with a subconsultant to provide subsurface utility exploration services to identify location of existing underground utilities relative to the proposed mast arm and light pole foundation. The scope of this exploration is limited to the approved budgeted amount of the contract.

Task 7 – Geotechnical Services

Kimley-Horn will contract with a subconsultant to provide geotechnical services for the proposed mast arm signals as required by FDOT. This will include two standard penetration tests per intersection.

Additional Services

Any services not specifically identified in the scope of services will be provided as additional services. The following services are not anticipated at this time nor included in the contract, but maybe provided as additional services if needed.

- Design survey services
- Drainage design – FDOT is providing all drainage modifications
- Roadway and signing and pavement marking (this service is provided by FDOT)
- Traffic analysis beyond the signal warrant analysis
- Additional meetings and public presentations
- Streetscape design for side streets
- Bidding and construction phase services
- Complete corridor ITS and communication design plans
- Relocation design for City utilities if needed

Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the Client or the Client's consultants or representatives.

1. Tree survey if needed
2. Agreements and or easements



Fee and Billing

Provision of Work

The Consultant will perform the services described below on an hourly not to exceed basis.

Fees:		
Task #	Description	Fee
1.1	Brannon & Gillispie, Underground FPL's overhead electric power lines	See below
1.2	Underground Electrical Coordination	\$11,675
2	Landscape architectural construction documents	\$66,960
3	Street lighting design	\$51,685
4	Traffic signal warrant and design	\$94,480
5	Coordination with Client and agencies and progress meetings	\$25,680
	Subtotal Fee	\$250,480
	Less Remaining Fee	(\$165,000)
	Subtotal Fee NTE	\$85,480

Optional Service Fees:		
Task #	Description	Fee
1.1	Brannon & Gillispie, Underground FPL's overhead electric power lines	\$134,100
1.3	Brannon & Gillispie, Electrical Design for landscape Lighting	\$6,000
6	Utility Locate Services (SUE)	\$12,390
7	Geotechnical Services	\$8,915
	Additional Services/Contingency	\$10,000
	Reimbursable Allowance	\$2,000
	Subtotal Fee NTE	\$173,405
	TOTAL FEE NTE	\$258,885

City of Hollywood CRA
SR A1A STREETSCAPE PLANS
From Hollywood Blvd. to Sheridan Street
PROPOSED HOURS AND FEES

TASK	PM/PRINCIPAL	SENIOR PROFESSIONAL	PROFESSIONAL	TECHNICAL SUPPORT	SUPPORT STAFF		TOTAL HOURS
Task 1 - Undergrounding of FPL overhead electric lines	\$245.00	\$185.00	\$120.00	\$90.00	\$65.00		
1.1 Brannon & Gillispie (See below)							
1.2 Undergrounding and electrical design coordination	8.0	32.0	24.0	8.0	3.0	0.0	75.0
1.3 Electrical Design for landscape lighting (See below)	\$1,960.00	\$5,920.00	\$2,880.00	\$720.00	\$195.00	\$0.00	\$11,675.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUBTOTAL:							\$11,675.00
Task 2 - Landscape Architecture, Hardscape, Irrigation, LA lighting	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1. Field visits, coordination, meetings	8.0	16.0	8.0	0.0	4.0	0.0	36.0
	\$1,960.00	\$2,960.00	\$960.00	\$0.00	\$260.00	\$0.00	\$6,140.00
Data collection, survey, research, FDOT req	0.0	8.0	8.0	0.0	6.0	0.0	22.0
	\$0.00	\$1,480.00	\$960.00	\$0.00	\$390.00	\$0.00	\$2,830.00
2. Concept Design	2.0	18.0	30.0	16.0	4.0	0.0	70.0
	\$490.00	\$3,330.00	\$3,600.00	\$1,440.00	\$260.00	\$0.00	\$9,120.00
3. Schematic Design	2.0	16.0	32.0	8.0	4.0	0.0	62.0
	\$490.00	\$2,960.00	\$3,840.00	\$720.00	\$260.00	\$0.00	\$8,270.00
4. 60% CDs	2.0	18.0	68.0	12.0	6.0	0.0	106.0
	\$490.00	\$3,330.00	\$8,160.00	\$1,080.00	\$390.00	\$0.00	\$13,450.00
5. 90% CDs & FDOT submittal	4.0	32.0	60.0	12.0	6.0	0.0	114.0
	\$980.00	\$5,920.00	\$7,200.00	\$1,080.00	\$390.00	\$0.00	\$15,570.00
6. 100% CDs	2.0	18.0	58.0	6.0	4.0	0.0	88.0
	\$490.00	\$3,330.00	\$6,960.00	\$540.00	\$260.00	\$0.00	\$11,580.00
SUBTOTAL:							\$66,960.00
Task 3 - Street lighting Electrical Plans	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1. Data collection, research, FDOT, FWC req	4.0	4.0	16.0	8.0	6.0	0.0	38.0
	\$980.00	\$740.00	\$1,920.00	\$720.00	\$390.00	\$0.00	\$4,750.00
2. Lighting Photometric Analysis	2.0	8.0	40.0	8.0	6.0	0.0	64.0
	\$490.00	\$1,480.00	\$4,800.00	\$720.00	\$390.00	\$0.00	\$7,880.00
3. Analysis report to FDOT	1.0	8.0	40.0	8.0	6.0	0.0	63.0
	\$245.00	\$1,480.00	\$4,800.00	\$720.00	\$390.00	\$0.00	\$7,635.00
4. 60% Lighting CDs	1.0	16.0	52.0	16.0	4.0	0.0	89.0
	\$245.00	\$2,960.00	\$6,240.00	\$1,440.00	\$260.00	\$0.00	\$11,145.00
5. 90% Lighting CDs , FDOT, FWC	2.0	12.0	48.0	12.0	6.0	0.0	80.0
	\$490.00	\$2,220.00	\$5,760.00	\$1,080.00	\$390.00	\$0.00	\$9,940.00
6. 100% Lighting CDs	1.0	18.0	40.0	16.0	8.0	0.0	83.0
	\$245.00	\$3,330.00	\$4,800.00	\$1,440.00	\$520.00	\$0.00	\$10,335.00
SUBTOTAL:							\$51,685.00
Task 4 - Traffic Study & Signalization	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1. Traffic Warrants Evaluation Study & Report	2.0	36.0	54.0	0.0	4.0	0.0	96.0
	\$490.00	\$6,660.00	\$6,480.00	\$0.00	\$260.00	\$0.00	\$13,890.00
2. Data Collection & Pre-app	0.0	8.0	20.0	12.0	2.0	0.0	42.0
	\$0.00	\$1,480.00	\$2,400.00	\$1,080.00	\$130.00	\$0.00	\$5,090.00
3. 60% Signalization Plans	2.0	48.0	96.0	40.0	6.0	0.0	192.0
	\$490.00	\$8,880.00	\$11,520.00	\$3,600.00	\$390.00	\$0.00	\$24,880.00
4. 90% Signalization Plans , Structural, BCTD & FDOT	2.0	64.0	110.0	80.0	8.0	0.0	264.0
	\$490.00	\$11,840.00	\$13,200.00	\$7,200.00	\$520.00	\$0.00	\$33,250.00
5. 100% Signalization Plans	2.0	32.0	60.0	36.0	8.0	0.0	138.0
	\$490.00	\$5,920.00	\$7,200.00	\$3,240.00	\$520.00	\$0.00	\$17,370.00
SUBTOTAL:							\$94,480.00
Task 5 - Coordination, with Agencies and Meetings	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Coordination with Agencies and Meetings	48.0	40.0	32.0	24.0	8.0	0.0	152.0
	\$11,760.00	\$7,400.00	\$3,840.00	\$2,160.00	\$520.00	\$0.00	\$25,680.00
SUBTOTAL:							\$25,680.00
Total Hours	34.0	170.0	344.0	78.0	49.0	0.0	675.0
Total LS Labor Fee	\$20,090.00	\$38,850.00	\$45,120.00	\$9,180.00	\$3,705.00	\$0.00	\$250,480.00

Notes:

TOTAL LABOR FEE NTE \$250,480.00
Less Remaining Budget When amendment is authorized (\$165,000.00)

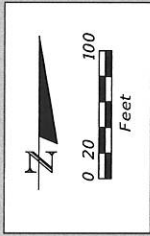
Additional Fees Subtotal \$85,480.00

SUBCONSULTANTS:

1.1 Undergrounding of FPL overhead electric lines \$134,100.00
1.3 Electrical Engineering for landscape lighting \$6,000.00
Utility Locates Services (SUE) \$12,390.00
Geotechnical Services \$8,915.00

Contingency Fee \$10,000.00
Reimbursable Allowance \$2,000.00

TOTAL LS FEE NTE \$258,885.00



P AVAILABLE
NEVADA SPACES

P AVAILABLE
GARFIELD SPACES
JOHNSON SPACES
HARRISON SPACES

INTRACOASTAL WATERWAY

POTENTIAL SIGNAL

TROLLEY STOP



P AVAILABLE
GARFIELD SPACES
NEVADA SPACES



MINNESOTA ST

GRANT ST

HAYES ST

GARFIELD ST

EXISTING PUBLIC PARKING
400 SPACES

CONNECTICUT ST

ARTHUR ST

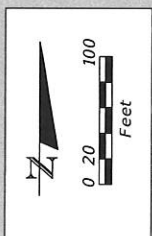
CLEVELAND ST

OKLAHOMA ST

SURF RD

SURF RD

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		SR A1A (N. OCEAN DRIVE) CONCEPT PLAN		SHEET NO.	3
ROAD NO.	A1A	COUNTY	BROWARD	FINANCIAL PROJECT ID	
Kimley-Horn and Associates, Inc. <small> Certificate of Professional Registration No. 686 P.E. License No. 45329 6590 South Ocean Avenue Delray Beach, Florida 33445 </small>					
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION



INTRACOASTAL WATERWAY

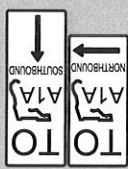


POTENTIAL SIGNAL



TROLLEY STOP

POTENTIAL SIGNAL



SR-A1A / N OCEAN DR

MCKINLEY ST

NEBRASKA ST

FUTURE PUBLIC PARKING GARAGE 316 SPACES

NEVADA ST

ROOSEVELT ST

TAFT ST

HOLLYWOOD BEACH MARRIOTT

CAROLINA ST

WILSON ST

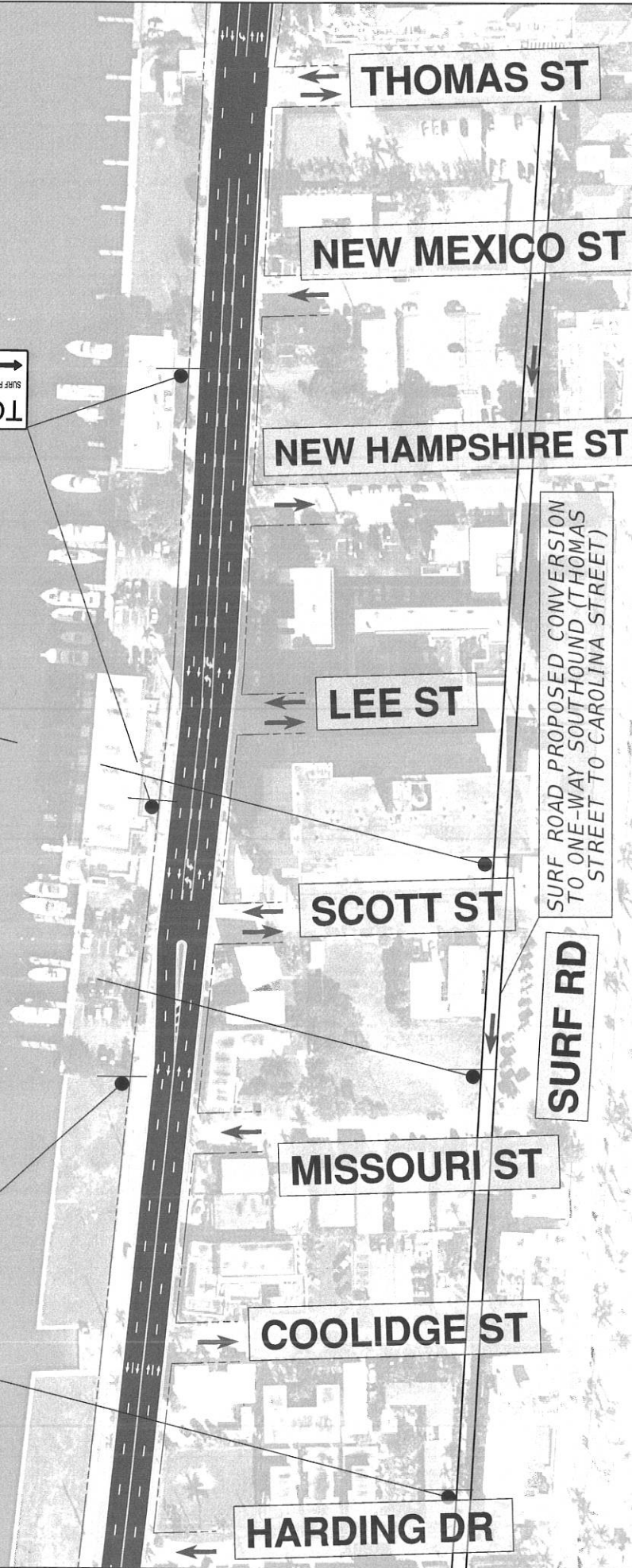
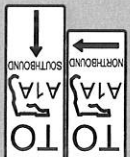
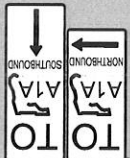
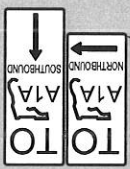
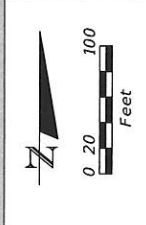
SURF RD

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
Kimley-Horn and Associates, Inc. Certificate of Authorization No. 686 Professional Engineer No. 45359 6550 South Ocean Boulevard Dunedin, Florida 34645			
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		ROAD NO. A1A	COUNTY BROWARD
SR A1A (N. OCEAN DRIVE)		FINANCIAL PROJECT ID	
CONCEPT PLAN		SHEET NO.	
		4	

NOTE: FDOT RRR PROJECT CONTINUES TO NORTH OF SHERIDAN ST. CRA SIDEWALK AND LANDSCAPE IMPROVEMENTS WILL EXTEND UP TO SHERIDAN ST WITHOUT CHANGES TO EXISTING LANE CONFIGURATION BETWEEN LEE ST AND SHERIDAN ST.

P AVAILABLE

SPACES	NEVADA
SPACES	GARFIELD
SPACES	JOHNSON
SPACES	HARRISON

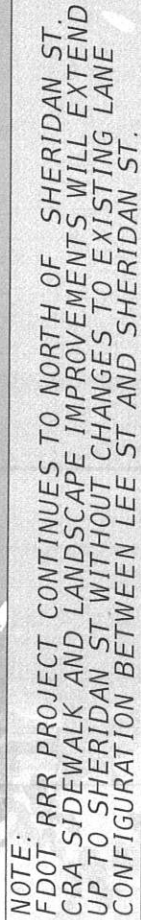


SURF RD
SURF ROAD PROPOSED CONVERSION
TO ONE-WAY SOUTHBOUND (THOMAS
STREET TO CAROLINA STREET)

REVISIONS		DESCRIPTION		DATE	

Kimley-Horn and Associates, Inc.		STATE OF FLORIDA	
Civil Engineering		DEPARTMENT OF TRANSPORTATION	
F.E. License No. 45329		ROAD NO. A1A	
8690 South Congress Avenue		COUNTY BROWARD	
Delray Beach, Florida 33445		FINANCIAL PROJECT ID	

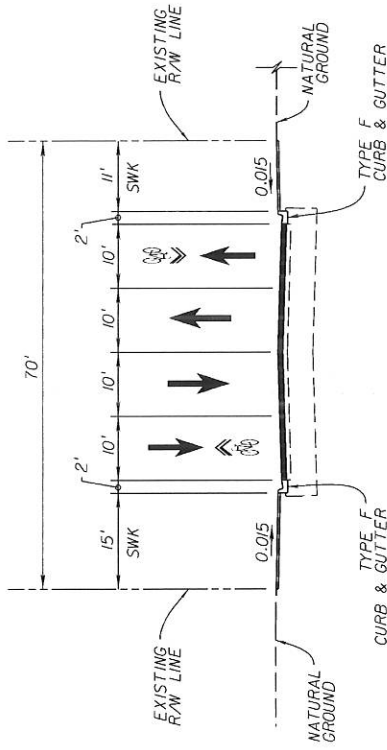
SR A1A (N. OCEAN DRIVE)		SHEET NO. 5	
CONCEPT PLAN			



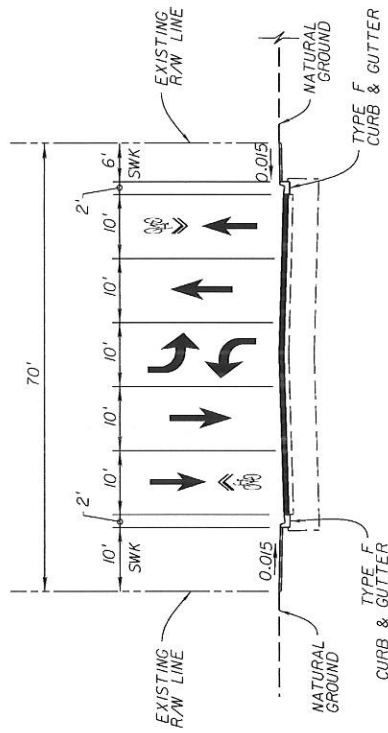
**HOLLYWOOD
NORTH BEACH
PARK**

SHERMAN ST

<div>Kimley-Horn and Associates, Inc. Certificate of Authorization No. 698 Registered Professional Engineer P.E. License No. 45359 Suite 400 6590 South Loop West, Suite 400 Dallas, Texas 75246 Tel: 972.346.7666</div>				STATE OF FLORIDA		SR A1A (N. OCEAN DRIVE)	SHEET NO.
				DEPARTMENT OF TRANSPORTATION			
				ROAD NO.	COUNTY		
				A1A	BROWARD		6
				Scan file(s) to: C:\NED - Highway\042421021 - Hillwood - A1A Road Dec\N111111111\Drawings			



PROPOSED 4-LANE TYPICAL SECTION
 SR A1A (OCEAN DRIVE) FROM
 HOLLYWOOD BLVD TO SHERIDAN STREET
 Functional Classification = Minor Urban Arterial
 Design Speed = 30 mph



PROPOSED 5-LANE TYPICAL SECTION
 SR A1A (OCEAN DRIVE) FROM
 HOLLYWOOD BLVD TO SHERIDAN STREET
 Functional Classification = Minor Urban Arterial
 Design Speed = 30 mph

REVISIONS		DESCRIPTION	
DATE	DESCRIPTION	DATE	DESCRIPTION
Kimley-Horn and Associates, Inc.		STATE OF FLORIDA	
Certificate of Authorization No. 696		DEPARTMENT OF TRANSPORTATION	
P.E. License No. 59823		ROAD NO.	FINANCIAL PROJECT ID
1690 South Congress Avenue		A1A	
Delray Beach, Florida 33445		COUNTY	
		BROWARD	
		SR A1A (N. OCEAN DRIVE)	
		TYPICAL SECTIONS	
		SHEET NO.	07