

RESOLUTION NO. R-BCRA-2020-20

A RESOLUTION OF THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY ("CRA"), AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO ISSUE AN AUTHORIZATION TO PROCEED TO KIMLEY-HORN AND ASSOCIATES TO PROVIDE CONSULTING SERVICES FOR PHASE IV - UNDERGROUNDING OF OVERHEAD UTILITIES AND STREETSCAPE BEAUTIFICATION IN AN AMOUNT NOT TO EXCEED \$2,870,090.00.

WHEREAS, on June 25, 1997, the Community Redevelopment Agency ("CRA") adopted the Hollywood Beach Redevelopment Plan for the Hollywood CRA Beach District; and

WHEREAS, the Pilot Project and Phases I, II and III of the streetscape improvements and undergrounding have been a proven success in transforming the pedestrian and vehicular streetscape; and

WHEREAS, the CRA intends to continue with Phase IV and SR A1A - undergrounding of overhead utilities and E/W streetscape beautification south of Hollywood Boulevard to the southern boundary of the City; and

WHEREAS, pursuant to Resolution No. R-2005-324, the City supported and approved various capital improvement projects, including the underground conversion of overhead utility lines on City rights-of-way; and

WHEREAS, pursuant to the procedures established in Section 287.055, Florida Statutes, known as the Consultants' Competitive Negotiation Act, on October 22, 2018, the CRA issued RFQ BCRA 19-001 to provide professional engineering services for phase IV streetscape and SR A1A; and

WHEREAS, on February 5, 2019, the CRA Board approved Resolution No. R-CRA-2019-09, authorizing the appropriate CRA officials to negotiate and execute a contract with the highest ranked firm, Kimley-Horn and Associates Inc. ("KH"); and

WHEREAS, on June 5, 2019, the CRA Board approved Resolution No. R-CRA-2019-28, and authorized the appropriate CRA officials to issue a Notice to Proceed to KH to provide consulting services for Phase IV and SR A1A for undergrounding of overhead utilities lines in an amount not to exceed \$374,860.00; and

WHEREAS, the CRA requested a proposal for the consulting fees for the complete scope of professional services required to issue the construction documents for Phase IV and SR A1A - undergrounding of overhead utilities and E/W streetscape beautification; and

WHEREAS, services to be completed under this contract include but are not limited to demolition, paving, grading, hardscape, landscape, Irrigation, drainage, lighting, undergrounding, and permitting; and

WHEREAS, the amount of fees to be paid for the consulting services provided by KH shall not exceed an additional \$ 2,870,090.00, as set forth on the attached Exhibit "A"; and

WHEREAS, funding for this expenditure is available in the Beach CRA FY 2020 account number 163.639901.55200.563010.001236.000.000 - Const Imprvmt - Underground Ph 4 (East/West Streets).

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

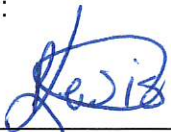
Section 1: That the foregoing "WHEREAS" clauses are ratified and confirmed as being true and correct and are incorporated in this Resolution.

Section 2: That it authorizes the issuance, by the appropriate CRA officials, of a Notice to Proceed for the attached proposal with Kimley-Horn and Associates, 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 legal sufficiency by the CRA General Counsel.

Section 3: That this Resolution shall be in full force and effect immediately upon its passage and adoption.

PASSED AND ADOPTED this 3rd day of June, 2020.

ATTEST:

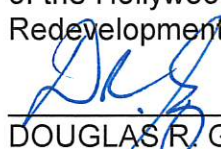


PHYLLIS LEWIS, BOARD SECRETARY

HOLLYWOOD, FLORIDA COMMUNITY
REDEVELOPMENT AGENCY


JOSH LEVY, CHAIRPERSON

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


DOUGLAS R. GONZALES
GENERAL COUNSEL

DM

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design

EXHIBIT A

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
24								
Phase IV SR A1A SEGMENT								
Task 1 Project Management (entire project SR A1A and E/W Side Streets)								
Coordination with Client (2hrs per week + 1 mtg for 14 months)	144	96	48				288	\$72,240
Subconsultant Management	24	48				8	80	\$17,920
Contract Management, report, schedule, budget	48	48				96	192	\$31,920
Address Public Inquiries (6 inquiries x 4 hrs)		24		24			48	\$9,120
Task 2 Roadway Design								
Project Research		2	2		12		16	\$2,388
Field Observations		24		24			48	\$9,120
Review and Resolve Provided Survey Files	1	8		8			17	\$3,330
Develop Digital Terrain Model (DTM) for all project surveys		24		72	20		116	\$19,620
Typical Section Package (FDOT requirement)		8		12	24		44	\$6,796
Design Variations	2	44		40	8		94	\$17,672
Pavement Design		10		32			42	\$7,430
Horizontal Alignment Analysis and Base Map		34		18	104		156	\$23,696
ADA upgrades	2	38			120		160	\$24,230
Vertical Alignment and Cross Sections	2	48		96			146	\$26,740
Drainage Report	2	24		40	16		82	\$14,404
Roadway Plans:								
Key Sheet (1)		2			6		8	\$1,204
Summary of quantities (1)		2			8		10	\$1,462
Existing Conditions (up to 17)		4		16			20	\$3,500
Demolition Plans		3		17	34		54	\$7,836
Drainage Maps (up to 3)	1	12		48	12		73	\$12,338
Typical Sections (up to 6)		16		12	48		76	\$11,612
Typical Section details (up to 2)		3		4	24		31	\$4,401
General notes (up to 2)		2		4	16		22	\$3,154
Pay item notes (1)		2		8	16		26	\$3,814
Project Layout (1)		6		4	16		26	\$4,014
Plan Sheets (up to 17)	8	85			170		263	\$42,525
Special details (up to 3)		4		36	36		76	\$11,444
Temporary Traffic Control Plan Sheets (up to 4)		18		32	48		98	\$15,342
Utility Verification Sheet (SUE) (1)		3		8	24		35	\$5,061
Project Controls Sheets (Horizontal, vertical) (up to 3)		2		6	8		16	\$2,452
Erosion Control Plans (up to 17)		2		8	51		61	\$8,329
Storm Water Pollution Prevention Plans (SWPPP) (up to 3)		5		8	24		37	\$5,491
Phase Submittals:								
Concept	2	8		16			26	\$4,940
30%	2	12		16			30	\$5,800
50%	2	16		16			34	\$6,660
90%	2	16		16			34	\$6,660

FEE ESTIMATE

Streetscape and SR A1A
Final Design

Kimley»Horn

Hollywood- Phase IV

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
100%							0	\$0
							0	\$0
Task 3 Signing and Marking Design and Plans								
Signing and Marking Plans (up to 20 sheets)	2	24		60	204		290	\$41,956
Sign details (2)		8		20	24		52	\$8,116
Phase Submittals:							0	\$0
30%							0	\$0
50%	1	8		8	16		33	\$5,394
90%	1	6		8	16		31	\$4,964
100%	1	4		4	8		17	\$2,842
							0	\$0
Task 4 Landscape/Hardscape/Irrigation - SR A1A								
Conceptual Design and Plan prep for meetings 3 concepts/ hardscape&plant exhibits	6		36		70		112	\$18,150
Meetings with FDOT, 2 meetings w Client (3 total meetings)		12	12		8		32	\$6,072
Meetings with Linear Park Consultant (up t two)		6	8		8		22	\$3,962
Preparation of SD exhibits and 2 rounds revisions			36		100		136	\$20,280
SD Exhibits - Before/After photosimulations - refer to contingency allowance							0	\$0
CDs - Tree Disp Plans/ Details/ Charts			20		80		100	\$14,420
CDs - Planting Plans/ Details			40		170		210	\$30,130
CDs - Irrigation Plans/ Details			40		120		160	\$23,680
CDs - Hardscape Plans/ Details			40		240		280	\$39,160
CDs -50% revisions			36		80		116	\$17,700
CDs-90% revisions			24		80		104	\$15,240
CDs-100% revisions / Final Deliverable			24		60		84	\$12,660
CDs-Phase submittal meetings with Client (4)/ regular client coordination		12	40		20		72	\$13,360
Task 5 Traffic Engineering								
Traffic Engr. coordination with FDOT on traffic comments	2	24						\$5,740
Pedestrian Crossings - Included in contingency task								
Task 6 Quantity Calculations and Opinion of Probable Construction Cost (OPC)								
Phase Submittals:								
30%	1	16	16	24			57	\$10,970
50%	1	16	16	24			57	\$10,970
90%	1	16	16	24			57	\$10,970
100%	1	16	16	24			57	\$10,970
							0	\$0
Task 7 Environmental Services and Permitting								
FDOT Permitting	36	52		60	18	5	171	\$34,242
FDOT ERC system review comments and resolution	12	48		24	72	5	161	\$27,448
Broward County Traffic	8	20		36	24		88	\$15,656
Broward County Transit	8	14		12			34	\$7,310
BCEPGMD Permitting	8	20		40	40		108	\$18,380
SFWMD Permitting	8	16		28		4	56	\$10,700
Task 8 Utility Coordination per FDOT Requirements								
Initial coordination with UAOs		8			16		24	\$3,784
Utility files receive and plot		8		12	36		56	\$8,344

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FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Conflict resolution with trees, lights, manholes, valves, etc.		20		18	40		78	\$12,430
Utility clearance letters and coord. Per FDOT		8		18	40		66	\$9,850

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
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Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Task 9 Public Involvement								
Attendance 12 Meetings (including Commission meeting)	72	36	72			24	204	\$45,300
PowerPoint presentations (2 presentations each phase plus 4 updates each = 12)	48	48	64		128		288	\$53,872
Renderings for A1A	8	8	32		64		112	\$18,856
Monthly reports for website	12	12				12	36	\$7,020
Task 10 Lighting Analysis								
Lighting Analysis, Photometrics Design, FDOT lighting report and FDOT coordination	2	24		272			298	\$50,620
Lighting Design Plans	4	24		119			147	\$25,955
Coordination and Electrical Design		16		48			64	\$11,360
Police camera conduit plans (Includes 2 meetings)		8		16			24	\$4,360
Task 11 Signalization								
Refer to contingency task							0	\$0
							0	\$0
Task 12 Drainage Design								
Drainage Analysis		24		40			64	\$11,760
							0	\$0
Task 13 Technical Specifications								
Technical Specs	2	22	18	60		8	110	\$19,540
							0	\$0
Task 14 Overhead Line Undergrounding								
Incorporate Utility Component Plans	2	8		16	24		50	\$8,036
Coordinate Electrical Components		12	12	24			48	\$9,000
							0	\$0
Task 15 Subconsultants Coordination								
Subsurface Utility Exploration (SUE)	4	16			36		56	\$9,244
Geotechnical Services	2	8			24		34	\$5,396
							0	\$0
Task 16 Technical Supervision and Coordination								
Technical Work Supervision for complete project	192	24					216	\$60,840
							0	\$0
Task 17 Quality Control								
Quality Control Reviews for each phase and plan component	12	108					120	\$26,700
							0	\$0
							0	\$0

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Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
II. PHASE IV- EAST-WEST SIDE STREETS, STREET-ENDS AND SURF ROAD								
Task 1 Roadway Design								
Project Files from CRA		2	2		2		6	\$1,098
Field Observations		24		24			48	\$9,120
Review and Resolve Provided Survey Files	1	8			36		45	\$6,654
Pavement Design		1		4			5	\$875
Horizontal Alignment Analysis and Base Map		34		18	70		122	\$19,310
Design Paving and Grading	4	48		144			196	\$35,240
Vertical alignment and Cross Section Analysis	2	52		152			206	\$36,840
Driveway Cross Section Analysis	2	48		220			270	\$47,200
Design Paving and Grading for Street-Ends	2	32		80			114	\$20,660
Right-of-Way Encroachment Analysis	2	40			57		99	\$16,533
Roadway Plan Sheets:								
Key Sheet (1)		2			6		8	\$1,204
Summary of quantities (1)		2			8		10	\$1,462
Existing Conditions (up to 7)		6		18			24	\$4,260
Demolition Plans (up to 7)		8		24			32	\$5,680
Drainage Maps (up to 4)	1	12		36	18		67	\$11,132
Typical Sections (up to 4)		6			18		24	\$3,612
Typical Section details (up to 2)		3			24		27	\$3,741
General notes (up to 2)		2			16		18	\$2,494
Pay item notes							0	\$0
Project Layout (1)		5			16		21	\$3,139
Plan Sheets (7)	8	57		57	76		198	\$33,784
Special details (up to 3)		4			18		22	\$3,182
Temporary Traffic Control Plan Sheets (up to 4)		22		24			46	\$8,690
Utility Verification Sheet (SUE) (1)		3		8	16		27	\$4,029
Project Controls Sheets (Horizontal, vertical) (up to 3)		2		8			10	\$1,750
Erosion Control Plans (up to 7)		4		4	38		46	\$6,422
Storm Water Pollution Prevention Plans (SWPPP) (up to 3)		4		6	18		28	\$4,172
Phase Submittals:								
Concept	2	8		16			26	\$4,940
30%	2	12		24			38	\$7,120
50%	2	16		24			42	\$7,980
90%	2	16		24			42	\$7,980
100%	2	8		16			26	\$4,940
							0	\$0
Task 2 Raised Roadway Profile Analysis								
Analyze Impacts to Adjacent Properties	2	46		152			200	\$35,550
Enlargment Exhibits	2	16			24		42	\$7,116
							0	\$0

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
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Kimley»Horn

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Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Task 3 Signing and Pavement Marking (SPM) Design and Plans								
Signing and Marking Plans (up to 13 sheets)	2	40			108		150	\$23,112
Phase Submittals:								
30%							0	\$0
50%	1	6		12			19	\$3,560
90%	1	5		12			18	\$3,345
100%	1	4		8			13	\$2,470
							0	\$0
Task 4 Landscape/ Hardscape/ Irrigation Design for E/W Streets								
Review City - provided CAD documents for Incorporation into set			8		10		18	\$2,930
Prepare concepts for all streets, based on City Design precedence			20		80		100	\$14,420
Initial and follow up meetings with Client to review Magnolia Terrace and all other streets			12		12		24	\$4,008
CDs - Planting Plans/ Details (Tree Disp Included on Planting sheets)			80		380		460	\$65,420
CDs - Irrigation Plans/ Details			20		228		248	\$33,512
CDs - Hardscape Plans/ Details			100		570		670	\$94,030
CDs- 50% revisions			20		80		100	\$14,420
CDs- 90% revisions			20		80		100	\$14,420
CDs- 100% revisions/ Final Deliverable			20		60		80	\$11,840
CDs-Phase submittal meetings with Client (4)/ regular client coordination			40		20		60	\$10,780
							0	\$0
Task 5 Landscape/ Hardscape/ Irrigation Design for Street Ends								
Initial meeting with CRA to discuss street end concepts			5		5		10	\$1,670
Produce Initial CAD concept for 8 street ends, w sections/elevations			30		100		130	\$19,050
Second meeting with CRA			5		5		10	\$1,670
Produce refined design development for 8 street ends, w sections/elevations/details			40		160		200	\$28,840
One revision to design development package			20		40		60	\$9,260
CDs - Planting Plans/ Details (Tree Disp Included on Planting sheets)			20		160		180	\$24,740
CDs - Irrigation Plans/ Details			10		60		70	\$9,790
CDs - Hardscape Plans/ Details			40		200		240	\$34,000
CDs- 50% revisions			15		40		55	\$8,235
CDs- 90% revisions			15		40		55	\$8,235
CDs- 100% revisions/ Final Deliverable			10		30		40	\$5,920
CDs-Phase submittal meetings with Client (4)/ regular client coordination			40		20		60	\$10,780
							0	\$0
Task 6 Structural Design								
Structural details for 3 Hardscape elements		8	8	48			64	\$11,280
Task 7 Traffic Engineering								
Parking Layouts coordination	2	16			24		42	\$7,116

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
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Kimley»Horn

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Duration of Contract (Months)	\$ 250.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Task 8 Environmental Services and Permitting								
Broward County Traffic	12	12		24	12		60	\$11,568
BCEPGMD	2	32		40	80		154	\$24,380
SFWMD	1	8		24			33	\$5,970
FDEP	1	6		40	24		71	\$11,276
FWC Permitting	8	32		48	48		136	\$23,312
City of Hollywood Building Dept		8			8		16	\$2,752
Task 9 Utility Coordination								
Coordination with UAOs		8		24	36	12	80	\$11,284
							0	\$0
Task 10 Specification Notes Sheets								
Review CRA Specs from Phase 3	2	8	8	16			34	\$6,580
							0	\$0
Task 11 Storm Water Management Design Phase IV E/W Streets								
Drainage Design Modifications	4	57		228			289	\$51,035
							0	\$0
Task 12 Quantity Calculations and Opinion of Probable Construction Cost (OPC) Phase IV E/W Streets								
Phase Submittals:								
30%	1	8		16			25	\$4,650
50%	1	8		24			33	\$5,970
90%	1	8		16			25	\$4,650
100%	1	8		16			25	\$4,650
							0	\$0
Task 13 Street Lighting								
Photometric Design (7 sheets)		24		218			242	\$41,130
Lighting Plans (sheets)		16		142			158	\$26,870
							0	\$0
Task 14 Overhead line conversion to underground coordination and plan integration								
Incorporate Utility Conversion plans into Construction Documents	4	12	4	8			28	\$5,880
Coordination of underground utilities and above ground cabinets		8	4	8			20	\$3,860
Field Review with CRA and Electrical Engineer for cabinet locations		2	2	8			12	\$2,160
Task 15 Magnolia Terrace and Parking Lot Design								
Initial Concept Plan (3 Alts)			12		40		52	\$7,620
Typical Section		8			18		26	\$4,042
Final Concept and revised typical Section, landscape/hardscape palettes		4	10		60		74	\$10,650
Photosimulation image (refer to contingency task)							0	\$0
CDs - Planting Plans/ Details (Tree Disp included on Planting sheets)			4		18		22	\$3,142
CDs - Irrigation Plans/ Details			4		18		22	\$3,142
CDs - Hardscape Plans/ Details			10		40		50	\$7,210
CDs - Paving and Grading Plans	4	16		40	24		84	\$14,296
CDs - Signing and Pavement Marking Plans		4		8	24		36	\$5,276
CDs- 50% revisions		4		8			12	\$2,180
CDs- 90% revisions		4		12			16	\$2,840
CDs- 100% revisions/ Final Deliverable		2		4			6	\$1,090

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FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
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Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
CDs-Phase submittal meetings with Client (4)/ regular client coordination			16				16	\$3,280
Plan View Exhibits for Public Meeting			2		10		12	\$1,700
Drainage Permitting		12		45	24		81	\$13,101
Lighting Design and Permitting		16		35	36		87	\$13,859

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design



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III. TIDAL FLOODING STUDY								
Task 1								
Allowance for FDOT Tidal Study Recommendations (under separate authorization)							0	\$0
IV. CMAR Coordination								
Coordinate and Conduct Initial Meeting	8	8	4				20	\$4,860
Monthly Meeting with CMAR for 6 months	24	12	12				48	\$12,000
Respond to CMAR RFIs	2	16	16	24			58	\$11,260
V. CONTINGENCY								
Pedestrian Crossing Traffic Analysis, FDOT Coord, Public mtg. allowance	8	60		8	60		136	\$24,280
Pedestrian Crossing Signals Design and Plans (2 locations) allowance	12	50		76	76		214	\$36,574
Signal Modification per ADA 3 exist. locations- allowance (Design, Plans, B. County, FDOT)	8	60		90	60		218	\$37,810
Private Property Harmonization & coord. allowance for selected properties	60	240	24	60	80		464	\$94,140
xhibits, Photosims, Renderings and Analysis allowance	16	8	40	80			144	\$27,760
							0	\$0
Subtotal Hours	922	2904	1440	4233	6480	174	16127	
								Subtotal (SR A1A, PM, Public involvement) \$1,298,374
								Subtotal E/W Streets & Surf Road \$921,269
								Subtotal Street ends \$173,470
								Subtotal Magnolia Terr. \$93,428
								Subtotal \$2,486,541
								IV. CMAR Coordination \$28,120
								V. Contingency Allowance \$220,564
								Sub - Subsurface Utility Exploration (SUE) & Geotech Allowance \$110,000
								Reimbursables Allowance (1%) \$24,865
								Total \$2,870,090

March 17, 2020
Revised April 16, 2020
Revised April 24, 2020
Revised April 27, 2020

Ms. Sarita Shamah
Senior Project Manager
Hollywood Community Redevelopment Agency
1948 Harrison Street
Hollywood, FL 33020

RE: Phase IV Streetscape and SR A1A, Hollywood, Florida

Dear Ms. Shamah:

Kimley-Horn and Associates, Inc. ("Kimley-Horn", "KH" or "the Consultant") is pleased to submit Task Work Order 3 for Professional Services to the Hollywood Community Redevelopment Agency ("CRA" or "CRA") for professional engineering consulting services related to Phase IV streetscape and SR A1A.

PROJECT UNDERSTANDING

The CRA wishes to continue the next phase of streetscape improvements and undergrounding of overhead utilities along SR A1A and the east-west (E/W) side streets (Phase IV). The CRA will procure a construction manager at risk (CMAR) to construct the project. This capital improvement project is in conformance with the elimination of slum and blight as outlined in the Beach CRA 1997 Redevelopment Agency Plan, and this project will mirror the improvements implemented within the Beach CRA district from Hollywood Blvd to Sheridan Street and from SR A1A to the Broadwalk.

Contract documents as per this proposal shall be completed and permitted.

Phase IV is defined as follows:

Phase IV:

- SR A1A (total FDOT ROW) from Hollywood Boulevard to the southern City limits to (approximately 1.8 miles)
- East-west side streets from Harrison Street to Magnolia Terrace (from the east ROW line from A1A to the Broadwalk)
- East-west side street end – street-end design concepts to be provided by CRA from Harrison Street to Magnolia Terrace
- Surf Road from Harrison Street to Iris Terrace to (approximately 0.8 miles)
- Reconfiguration of Magnolia Terrace Parking Lot.

I. PHASE IV - SR-A1A SEGMENT

Project Description

SR A1A is a Florida Department of Transportation (FDOT) roadway. Proposed modifications to the corridor by the CRA/City of Hollywood will require approval by FDOT and processing in accordance with their procedures. Proposed improvements to enhance the SR A1A corridor consist of reconfiguring the existing six lanes of traffic and median. Early coordination with FDOT Lane Elimination Committee on

September 11, 2019 indicated their willingness to consider reconfiguration of the existing six lanes but not elimination of any lanes. The six lanes will be maintained but reduced in width in order to widen the existing median and the barren narrow hardscaped median traffic separators adjacent to left turn lanes. Existing landscape medians will be able to receive more enhanced landscape. The existing outside curb will remain, and the existing outer lane will be marked as a shared lane with (Sharrows) while medians will be widened by approximately four additional feet as was shown in option 1 rendering at previous public and CRA Board meetings. The medians will receive enhanced landscape to the extent allowed by FDOT. Landscape design variations will be required and submitted to FDOT for approval. Flags of existing sidewalks will be replaced with decorative sidewalk to create a hardscape pattern which will include select design elements utilized in the portion of SR A1A sidewalks north of Hollywood Boulevard. Trees and pedestrian streetlights along the roadside will be provided where applicable. All required design surveys will be provided by the CRA.

SCOPE OF SERVICES

The following detailed tasks will be provided as part of the scope of services.

TASK 1 – Project Management (for entire project – SR A1A and E/W Side Streets)

1. Coordination with CRA and agencies for the duration of the project duration (emails, calls, meetings, weekly status updates, etc.) and **one monthly** face to face meeting for the project team. Meetings can take place one month at the CRA and another month at Kimley-Horn's Plantation Office. The project will consist of two phases. Phase IV A1A SEGMENT and Phase IV E/W STREETSCAPE. The estimated project schedule will be 24 months including the permit phase (refer to section VI for schedule breakdown).
2. Kimley-Horn will provide staffing teams for both phases of project.
3. Subconsultant management – coordinate with geotechnical and subsurface utility exploration (SUE) subconsultants as needed throughout the 24-month schedule.
4. Contract management (Reports, schedule, budgets, etc.) - Provide weekly status update reports to CRA on Fridays. Provide schedule and budget updates with monthly progress reports.
5. Addressing Public Inquiries – Provide feedback to CRA regarding responses to public inquiries within the scope of the project.

TASK 2 – Roadway Design

1. Project research – request and review all readily available roadway and utility records.
2. Field Observations – Conduct field reviews; an initial field walk and document existing conditions. Conduct another field visit at 60% phase to verify design and connection to existing conditions and a final field review before submittal of final plans. Document field observations on plans by hand markup in the field and with photos. Prepare a pdf of the marked plans and photos.
3. Review City Provided Survey Files – review survey files, field verify and identify missing information. It is expected that the survey will be in accordance with standard roadway design survey and must include smart elevations with x,y,z, geometry labels of bearings, angles and curves. Client to provide any additional survey information or corrections as needed.
4. CRA survey will provide standard roadway design survey with x,y,z points with differentiating descriptions to allow Consultant to readily develop a digital terrain model (DTM),
5. Typical Sections Package – Prepare FDOT required typical section package and typical section sheets. Typical sections will be based on making the outside lane as a shared lane with Sharrow markings. Construction documents shall provide clear documentation of any a typical existing conditions. Traffic separators will be widened to be landscaped with plantings. Outside existing curb will remain in place. Existing pavement will be milled and resurfaced to its existing cross

slope. Prepare required typical sections as needed to provide clear construction documents. It is assumed that there will be 6 typical sections and provide typical detailed information at those locations where harmonization transition will be occurring.

6. Design variations – Prepare 2 design variations, one for not providing dedicated bike lanes but only shared outside lanes and another variation for landscaping due to the limited median. Meet and coordinate with FDOT, address their variation comments and resubmit for approval.
7. Pavement Design – Prepare pavement design package as required by FDOT. It is assumed that two pavement design calculations are required, one for minor widening work and the other for milling and resurfacing.
8. Horizontal Alignment Analysis and Base Map– Verify horizontal alignment geometry from survey and available FDOT record files as required by FDOT. Create base map of project. Utilize readily available County or State aerial photography files for background. Access to properties and streets as well as median limits will generally remain as existing. SR A1A from ROW to ROW, except for the linear park portion, may have sidewalk improvements to replace existing sidewalk in place without changing driveway profiles. Create plan sheets and label roadway features after approval of typical sections. CRA can provide photos including drone photography of existing conditions. Identify deteriorated sidewalks to be replaced.
9. ADA upgrades – check all ADA ramp locations and upgrade as required by FDOT, especially for new intersection bulb-outs. All improvements will be limited to within existing right of way. It is estimated that 30 existing ADA curb ramps will be addressed under this task. CRA will consider having FDOT reimburse for upgrades from their 3R funds.
10. Vertical alignment and Cross Sections Analysis – Verify existing profiles from available survey as required by FDOT. Design curb return profiles. Address proposed median curb elevations and traffic separator widening grading.
11. Drainage – Prepare a drainage report documenting existing drainage conditions as required by FDOT and reflect on roadway plans. It is anticipated that existing curb inlets will remain. The upcoming FDOT study's recommended drainage improvements are addressed under Section III of this scope of services.
12. Erosion Control Plans – Prepare erosion control plans as required by FDOT and permitting agencies.
13. Horizontal Geometry Control Reference Sheets – Coordinate with surveyor to take survey information and place into a horizontal and vertical geometry control sheets including benchmark information.
14. Traffic Control Plans (TCP) – Prepare maintenance of traffic plans per FDOT permit requirements which will consist of references FDOT standard Indices and TCP notes sheets.
15. Construction Details – Prepare construction detail sheets, all material specifications including landscape, hardscape, etc.
16. Prepare demolition plans.

TASK 3 – Signing and Marking Design and Plans – Prepare signing and pavement marking plans for SR A1A including all intersections accordance with FDOT permit requirements.

TASK 4 – Landscape/Hardscape/Irrigation SR A1A

Conceptual Design

Consultant will provide conceptual and design development hardscape and landscape design services for the project, limited to median and roadside within the right-of-way, inclusive of portions of the FDOT right-of-way but excluding the seawall and seawall cap and linear park design between back of curb and seawall, which will be provided by others. The following services will be provided:

- Prepare two to three different plan view typical conceptual designs for initial input of the following areas for each profile condition
 - A typical segment of SR A1A
 - *Linear park will be designed by others, KH will coordinate with FDOT to permit park documents including ROW agreement but the production of permit documents and addressing FDOT comments on the documents will be provided by others.*
- The three concepts will be prepared for the area between Harrison Street to Hollywood Boulevard using survey ACAD drawings and aerial photographs for background with basic color (blocks of flat color - green for landscape area, grey for asphalt, red for pavers, etc.) and labeling to identify hardscape and landscape material to receive initial design direction from the CRA including segment .
- Hardscape colored exhibits will be prepared, depicting photographs of furnishings including pedestrian lighting if needed, decorative pavement selections, and other proposed above-ground design elements within the right-of way, but excluding the linear park west of the west curb line.
- Planting palette exhibit, depicting representative photographs of trees, palms, shrubs, and groundcovers.
- Present the three concepts at a meeting with the CRA and various City Staff (It is anticipated that CRA will invite representatives from various departments including Public Works, Public Utilities, Fire/Police, City Engineer).
- Meet with the FDOT District Landscape Architect to discuss the three initial concepts and potential design variations.
- Meet with CRA to discuss FDOT's initial comments.
- Upon receiving CRA and FDOT input, Kimley-Horn will prepare the following design development deliverables, incorporating elements from one or more of the three concepts into one refined design that will be submitted and used as a basis for the permit/construction documents.
 - Prepare one plan view rendering roll plot / pdf for the length of SR A1A based on anticipated design variance and proposed streetlight locations using a scaled roll plot.
 - Prepare plant palette and hardscape palette exhibits depicting the selected elements to be implemented.
 - Prepare before/after photosimulation vignettes using base photographs selected by CRA (to be covered under contingency task).
 - Prepare photometric analysis to determine whether pedestrian lights are needed on A1A corridor.
- Coordinate with FDOT to request that their currently-under-development lighting plans along A1A will raise the control and splice boxes on FDOT's existing and proposed streetlights as preventative maintenance to reduce outages. The FDOT lighting project is separate from the CRA project.
- Meet with CRA and City staff to provide final input on the design development deliverable and to review material selections from a maintenance/cost benefit perspective to finalize the selections for incorporation into construction documents.
- Meet with the CRA and CRA's linear park design consultant for integration of design elements between projects.
- Prepare final design development deliverable based on CRA and City comments.

Permit/Construction Documents

Consultant will prepare the following permit construction documents, in compliance with the FDOT and City of Hollywood Code requirements:

1. **Tree Disposition Plan:** Consultant will use the project tree survey and conduct a field observation with two staff members to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), canopy spread or as required by the permitting entity. The survey provided by the CRA will include the tree measurements. This plan will tabulate trees to remain, to be removed, and/or to be relocated. Consultant will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations. Coordinate with City of Hollywood's Landscape Plan Reviewer, Public Works and Public Utilities.
2. **Planting plans:** for this phase we will delineate plant material, plant quantities, plant schedules, specifications and project-specific planting details for right-of-way plantings, excluding the linear park west of the west curb line with code required planting calculations. The planting plans will also describe tree grate or tree grate alternative and planting details. It is anticipated that minimal opportunity is available to place trees within the east sidewalk area due to the limited width and presence of private landscaping and trees at the back of sidewalk. No plantings will be designed for the space west of the west curb, as this area is being designed by others. Identify choice of trees and spacing and corresponding FDOT design variation requirements. Prepare draft design variation for FDOT review.
3. **Irrigation plans:** designed to provide 100% irrigation coverage for project landscaped areas within the task limits, excluding the linear park west of the west curb line. Kimley-Horn will provide the following irrigation design services, after CRA approval of the 90% landscape plans:
 - Initial pre-design meeting with CRA and City of Hollywood staff, including Public Works, Arborist, Landscape Plan Reviewer and Public Utilities.
 - 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 irrigation system.
 - Irrigation mainline and sub-mainline sizing with recommended routing.
 - Coordination with roadway plans 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.
 - Ancillary notes, calculations, and labels required to develop a master irrigation system for all proposed planting areas.
 - Electrical connections, panel zones for entire project to be prepared by the project electrical engineer. The electrical plans will depict service locations for irrigation controllers and, if necessary, booster pumps.
 - All irrigation design must be preceded by a meeting with invitation to PW, City of Hollywood staff including Public Works, Arborist, Landscape Plan Reviewer and Public Utilities.
4. **Hardscape plans:** details and plans will be developed with material selections, specifications, and construction detailing. Hardscape design elements for this project, excluding the linear park west of the west curb line are limited to:
 - Paving treatments – colored concrete sidewalk flags, concrete pavers, and/or patterned textured pavement treatments for side street crosswalks. It is assumed that textured

pavement (stamped asphalt) will be limited to pedestrian crossings of side streets and or across SR A1A.

- Linear Park - Site furnishings, accent lighting – sections, elevations, specification and finishes selected, as well as foundation design required by code for the west roadside will be part of the linear park design by others. and complete plans will be provided by others to KH to include it in the FDOT permit package.
- Landscape accent lighting – Consultant will provide a plan view and design intent depicting schematic layout of landscape lighting features. at median ends. We will identify specific equipment for the landscape lighting with electrical design and service to the landscape lighting features to be provided on the project electrical engineer's plans.
- Review concepts with CRA and City's Public Works staff from a maintenance/Cost/Benefit perspective of hardscape and landscape design to agree on material selection.
- Provide opinion of probable cost.

TASK 5 - Traffic Engineering

1. Coordinate with FDOT to respond to traffic related review comments (No analysis required)
2. Pedestrian Crossing Locations – Due to the availability of signalized intersections at intervals of approximately 1000 feet, it is assumed that no more than two new pedestrian crossings will be considered under the contingency task.

TASK 6 – Quantity Calculations and Opinion of Probable Construction Cost (OPC)

1. Develop appropriate quantity calculations for construction items. Prepare OPC order of magnitude estimates at the major project submittal phases (30%; 50% and 90%) in conjunction with CMAR as may be needed. Estimates will be mainly based on similar costs from other previous phases of CRA projects.

TASK 7 – Environmental Services and Permitting

Assist CRA in preparation of permit applications for the agencies listed below.

1. FDOT – Coordinate permitting with FDOT.
 - Conduct a kickoff meeting with the various departments.
 - Meet to discuss proposed typical sections and pavement design with the District Design Engineer or their representative.
 - Meet with District Lighting and Signal Engineer.
 - Submit plans to FDOT at each of the project submittal phases or as agreed to with FDOT. Meet to review and resolve comments from three major submittal phases.
 - Address FDOT comments from various departments in their Electronic Response to Comments system.
 - Meet to resolve the landscape and bike lane design variances.
2. Broward County Traffic – Coordinate with Broward County traffic regarding signing and pavement marking plans and existing signalized intersections.
3. Meet with Broward County Transit to Coordinate regarding bus stops and their future plans along the corridor. Follow up with a second meeting after receiving FDOT's initial comments.
4. Broward County Environmental Protection and Growth Management Department (BCEPGMD) Surface Water Management License – Coordinate regarding drainage and erosion control.
5. South Florida Water Management District (SFWMD) – Coordinate regarding drainage and erosion control.

6. Florida Department of Environmental Protection (FDEP) - Not anticipated under Phase IV SR A1A SEGMENT but only under Phase IV- E/W Streetscapes.
7. Florida Fish and Wildlife Commission (FWC) - Not anticipated under Phase IV SR A1A but only under Phase IV E/W Streetscapes for side street lighting.

TASK 8 – Utility Coordination Per FDOT Requirements

1. Identify utility agency owner (UAO) contact information and prepare contact sheet. Submit project plans to known UAOs within the corridor to allow them to mark locations of their existing and any proposed facilities. Follow up with UAOs to ensure receipt of information and meet to discuss project. Review submitted information and transfer it into project CAD files. Identify any potential conflicts between proposed trees and light poles and existing underground utilities and meet with owners to resolve conflicts. Request any utility relocation schedules, no conflict letters, etc. to provide FDOT for utility clearance certification. This task will typically require follow up with UAOs throughout the life of the project.

TASK 9 – Public Involvement

1. It is anticipated that the public involvement effort will be a continuation of previous coordination conducted by Consultant as the project will be developed based on previously presented concepts. All meeting invitations and venues will be provided by the CRA. Consultant's effort consists of preparation of PowerPoint presentations, attendance, delivery of presentation and minor updates to previous presentations. It is assumed that 3 staff members will attend each presentation which will include roadway and landscape architect professionals.
2. Attend **12** Meetings (including commission meeting see below for more detail)
3. Prepare two PowerPoint presentations (Public Meetings) for SR A1A and E/W streets with four rounds of updates for a total of and 6 power point presentations for Board meetings for a total of 8 presentations including pdf exhibits and 4 preparation meetings. Hard copy boards of exhibits previously prepared will be provided as needed.
4. Prepare a typical plan view and rendering of FDOT approved cross section including one revision for SR A1A and a typical E/W side street intersection at SR A1A showing paver treatment at the corners. Prepare two alternative renderings for Magnolia Terrace with plan view and typical section including one revision. Additional presentations, public meetings and renderings will be provided as additional services.
5. Provide a monthly progress update report in one specific format provided by the CRA to allow them to post on the CRA website.

TASK 10 - Lighting Analysis

1. Prepare photometrics analysis of SR A1A corridor to determine if pedestrian lighting is needed for sidewalks.
2. Design Plans - provide lighting design and plans for pedestrian lighting on SR A1A based on pedestrian design criteria. Side street lighting is covered under Section II. Pedestrian light poles might not be the same as the E/W poles. They may be a continuity of the A1A corridor poles or a new style of pole to be determined during design process.
3. Provide electrical Design for streetlights by licensed electrical engineer.
4. Provide conduits for police cameras if requested. Conduct three meetings with Police and Fire Department to identify locations. Design of camera system to be done by others.

TASK 11 - Signalization

1. At this stage, it is assumed that there may be a need to redesign the existing pedestrian part of the signals due to ADA ramp reconfiguration but the existing vehicular signal will not be modified. Upon coordination with Broward County and FDOT the scope of the signalization will be confirmed. For now, a budget estimate will be included under the contingency task.

TASK 12 - Drainage Design

1. Document Existing Drainage for FDOT Permit. Compare pre versus post development. Drainage modifications based on FDOT's study recommendations are referenced under Section III (FDOT Tidal Flooding Study) of this scope of services.

TASK 13 - Technical Specifications

1. Prepare roadway technical specifications based on FDOT standard specifications. Hardscape specifications will be in accordance with CRA requirements. CRA will prepare CMAR contract and front-end documents.

TASK 14 - Overhead Line Conversion to Underground Coordination and Plan Integration

1. Incorporate utility conversion plans as a component to the roadway project plans.
2. Coordinate and accommodate proposed underground utilities and above ground cabinets in the roadway design.
3. Conduct field review with CRA and electrical engineer consultant for cabinet locations coordination.
4. Cabinets to be located outside of clear sight areas. Where space is limited, consideration will be made for placement of cabinets on private property with concept sketches depicting proposed locations based on available survey.

TASK 15 – Quality Control and Supervision

Provide quality control reviews of design for each phase including cross referencing between various plan components and subconsultant work. Provide senior supervision of plans development.

TASK 16 - Subconsultants for SR A1A and E/W Streets

1. Subsurface Utility Exploration (SUE) – Coordinate with and review SUE test hole information provided by subconsultant and include in plans. Identify locations of potential conflicts and present to UAOs for resolution.
2. Geotech Services – Coordinate with and review geotechnical report provided by subconsultant and coordinate requirements for proposed pavement design. Pavement design is to match segment north of Hollywood Blvd.

II. PHASE IV : E/W STREETScape, STREET ENDS AND SURF ROAD

Follow the design concept already established by the CRA for side streets, Surf road and street ends. However, the side street CAD drawings provided by the CRA must be redrafted due to new survey information and changes to utilities and parking. Designs will be prepared for all side streets between Harrison Street to Magnolia Terrace except for the Iris Terrace- Jasmine Street loop, which is constructed with the established design. For Magnolia Terrace scope refer to Task 15. Design all street-

ends at select street locations north of Hyacinth Terrace with special landscape / hardscape treatments . The existing parking lot between Azalea Terrace and Jefferson Street connecting Surf Road will remain as is. Designs will include raising the existing lowest points in side street profiles where feasible.

The following tasks will be provided as part of the scope of services.

TASK 1 – Roadway Design

Refer to Section VI at end of this scope of services for a list of all plan sheets.

1. Research – request and review all readily available roadway, maintenance and utility records.
2. Field Observations – Conduct initial field walk and document existing conditions. Conduct another filed visit to verify design and connection to existing conditions.
3. Review City Provided Survey Files – review survey files, field verify and identify missing information.
4. Prepare demolition plans
5. Typical Sections - prepare 4 typical sections for side streets.
6. Pavement Design – Match pavement design from Phase III.
7. Horizontal Alignment Analysis - – Verify horizontal alignment geometry from survey to confirm bearings and right of way geometry. Check design vehicle turning movements. Identify locations of proposed sidewalk, planters, FPL cabinets, etc. Create plan sheets and label roadway features.
8. Design Paving and grading – consider feasible raising of low points in street profiles. Provide grade elevations. Address connections to adjacent private properties.
9. Vertical alignment and Cross Sections Analysis - develop working cross sections from proposed profiles.
10. Driveway Cross Section Analysis – prepare working driveway connection sections
11. Design paving and grading for street-ends
12. ADA Curb Ramps – Design curb ramps at street intersections.
13. Erosion Control Plans – Prepare erosion control plans for permitting.
14. Horizontal Control Reference Sheets – coordinate with surveyors to take survey and information and incorporate into horizontal control sheets including benchmark information
15. Construction Details – Prepare construction details.
16. Right-of-Way Encroachment Analysis – review existing parking and landscape encroachments into public right of way. Label such locations on plans and provide to CRA/ City to coordinate with property owners to remove their encroachments. Use City provided text amendment which defined parking dimensions.
17. Drainage Plans – Prepare drainage plans. Provide drainage structures based on street redesign and connect to existing system.
18. Prepare drainage maps of existing and proposed systems.

TASK 2 – Raised Roadway Profile Analysis

1. Analyze impacts to adjacent properties – harmonization – analyze impacts to private property at tie-in of new construction based on two profile alternatives. Provide required details for harmonization to connect to existing ground.
2. Coordinate with CRA/City and provide them with sketches to acquire permission for restoration. Provide civil engineering design for harmonization of access. Landscape, irrigation, hardscape, structural engineering and or relocation of features on private properties will be addressed as

additional services once the property owner and CRA agree on a solution. Alternatively, the property owner may decide to construct their own improvements.

TASK 3 – Signing and Pavement Marking (SPM) Design and Plans

Review CRA generated signing and marking concept plans. Given that the CRA CAD drawings have to be redrawn over again, prepare accurate SPM plans and to Broward County for their approval.

TASK 4 – Landscape/Hardscape/Irrigation Design for E/W Streets

Conceptual Design

The CRA will provide the concept plans, standard details and specifications for the Consultant to use as a basis for developing construction plans for east-west streets between Harrison and Hyacinth Terrace and associated portions of Surf Road for this task. The design effort for the design of Magnolia Terrace is under Task 15. The design effort for eight street ends east of Surf Road, between Harrison Street and Georgia Streets is described under Task 5. Upon inspection of CRA-provided drawings, it was determined that all the plans must be redrafted due to right of way, utility and parking revisions. The Consultant will prepare plan view designs for the Phase 4 east-west streets and associated portions of Surf Road, limited to the right-of-way of those streets, except for those streets that will require harmonization.

Consultant will meet with CRA to review design concepts for all streets. Based on that meeting prepare refined concept plans and submit for review. Upon acceptance of refined concept plans, Kimley-Horn will prepare permit construction documents.

Permit/Construction Documents

Consultant will prepare the following permit construction documents, in compliance with City of Hollywood Code requirements:

1. **Tree Disposition Plan:** Consultant will use the project tree survey provided by CRA and field observations to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), canopy spread. This plan will tabulate trees to remain, to be removed, and/or to be relocated. Consultant will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations.
2. **Planting plans** for this package will delineate plant material, plant quantities, plant schedules, specifications and project-specific planting details for right-of-way plantings, including code required planting calculations: Trees and understory will be selected to survive the existing environment.
3. **Irrigation plans** designed to provide 100% irrigation coverage for all exterior proposed landscaped areas within the task limits. Kimley-Horn will provide the following irrigation design services, after CRA approval of the 0% landscape plans:
 - o Initial pre-design meeting with CRA and City of Hollywood staff, including Public Works, Arborist, Landscape Plan Reviewer and Public Utilities.
 - o Calculation of irrigation system requirements based on water application per week and water window availability as determined by local municipality and Water Management District.
 - o Water source(s) evaluation for irrigation system and integration options with existing irrigation system, using potable water.
 - o Irrigation mainline and sub-mainline sizing with recommended routing.

- Coordination with roadway plans 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.
 - Ancillary notes, calculations, and labels required to develop a master irrigation system for all proposed planting areas.
 - Electrical connections, panel zones for entire project to be prepared by the project electrical engineer. The electrical plans will depict service locations for irrigation controllers and, if necessary, booster pumps.
4. **Hardscape plans** and details will be developed as scaled, dimensioned plans with material selections, specifications, and construction detailing. Hardscape design elements for this project are limited to:
- Paving treatments – concrete pavers, and/or patterned textured pavement treatments for asphalt will be specified
 - Site furnishings – specification and installation details for benches, seats/ tables, waste receptacles, ash urns, bollards, trellis, or other manufactured outdoor site furnishing elements. Foundation design for these elements will be provided as stipulated in the Structural Design section of this scope.

TASK 5 - Landscape/Hardscape/Irrigation Design for Street ends

The CRA will develop and give the Consultant conceptual designs for all of the street ends, for hardscape, landscape, structures, site furniture. The Consultant will develop the construction drawings for nine street ends between Harrison Street and Jefferson Street, based on the CRA-provided concept drawings. Street ends south of Jefferson Street will only receive minor treatment (due to narrow width and lack of pavement areas), limited to: walkways, and specified site furnishings. Design for minor treatment areas excludes boardwalk dune walkover design and permitting. The intent of the street end paces is to interface with the Broadwalk and/or provide a beach access plaza or pathway.

Design Development

Consultant will prepare CAD design development plans for hardscape, landscape, structures, and site furniture based on the CRA developed concepts, applied to the nine street ends. The following services will be provided:

- Meet initially with CRA Staff to coordinate and review their initial development of design concepts as applied to the nine street ends. The Consultant will provide input during the meeting and schedule a second meeting to follow the Consultant's initial design development drawing production.
- Prepare CAD design development drawings for nine street ends and provide for the second CRA review meeting to finalize the designs.
- After the second meeting is completed and design for the street ends is determined, Consultant will produce the following design development plan package that will be used as a basis for the permit/construction documents:
 - Site plans for each street end
 - Two Cross sections and/or elevations for each street end
 - Draft construction detailing, similar to those provided by the CRA for Phase 3, describing the elements applied to each street end.

- Plant and hardscape palette exhibits prepared in color

Permit/Construction Documents

Consultant will prepare the following permit construction documents, in compliance with City of Hollywood Code requirements:

1. **Tree Disposition Plan:** Consultant will use the project tree survey and field observations to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), canopy spread based on provided survey information. This plan will tabulate trees to remain, to be removed, and/or to be relocated. Consultant will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations.
2. **Planting plans** for this package will delineate plant material, plant quantities, plant schedules, specifications and project-specific planting details for right-of-way plantings, including code required planting calculations:
3. **Irrigation plans**, designed to provide 100% irrigation coverage for all exterior proposed landscaped areas within the task limits using potable water. It is assumed that the irrigation systems for the street-ends will tie into the east-west street irrigation systems.
4. **Hardscape plans** and details will be developed as scaled, dimensioned plans with material selections, specifications, and construction detailing. It is assumed that hardscape details from the Phase III project for the already-selected drinking fountain, bollard, bike rack and tree grate will be reviewed, checked and adopted. Other details must be developed for typical street condition. Hardscape design elements for this project are limited to:
 - Paving treatments – colored/stamped concrete, concrete pavers, and/or patterned textured pavement treatments for asphalt will be specified.
 - Seat walls, raised planters – sections, elevations, and finishes selected, as well as foundation design as required by code.
 - Site furnishings – specification and installation details for benches, seats/ tables, waste receptacles, ash urns, bollards, trellis, or other manufactured outdoor site furnishing elements. Foundation design for these elements will be provided, as stipulated in the Structural Design section of this scope.
 - Street lighting is addressed in Task 13 below.

TASK 6 - Structural Design

1. Structural design to be provided as per conceptual street end design similar in scope to Phase III design.

TASK 7 - Traffic Engineering -

1. Consider two alternative parking layouts for street ends. E/W street layout will follow CRA concept plans.

TASK 8 - Environmental Services and Permitting

Consultant to submit required permit applications as shown below

1. Broward County Traffic

2. Broward County Environmental Protection and Growth Management Department (BCEPGMD) Surface Water Management License
3. South Florida Water Management District (SFWMD)
4. Florida Department of Environmental Protection (FDEP) CCCL permit
5. Florida Fish and Wildlife Commission (FWC)
6. FDOT Traffic Signal Coordination
7. City of Hollywood Building Department

TASK 9 - Utility Coordination

Provide utility coordination with utility agency owners (UAOs) and submit progress plans to them.

TASK 10 - Specifications Notes Sheets

Review CRA specification notes from Phase 3 and modify as needed. for EW streets surf road and street ends

TASK 11 - Storm Water Management Design - Phase IV E/W Streets, Surf Road and Street ends

1. Drainage Design Modifications - provide drainage design for proposed paving and grading design and connect to existing drainage system. Implementation of recommendations by FDOT is covered under Section III.

TASK 12 - Quantity Calculations and Opinion of Probable Construction Cost (OPC) Phase IV E/W Streets

Develop appropriate quantity calculations for construction items. Prepare OPC order of magnitude estimates at the major project submittal phases (30%; 50% and 90%) in conjunction with CMAR as may be needed. Estimates will be mainly based on similar costs from other previous phases of CRA projects.

TASK 13 - Street Lighting

CRA will select light fixture and provide pole specifications to Consultant. It is assumed that CRA would have already gained consensus on the light fixture prior to design. Consultant to assist CRA in permitting and coordination with FWC. Confirm lighting criteria with the CRA for this City of Hollywood maintained this lighting.

2. Prepare photometrics analysis for E/W streets and street ends.
3. Design Plans - provide lighting design and plans.
4. Provide electrical Design for streetlights.

TASK 14 - Overhead line conversion to underground coordination and plan integration

1. Incorporate utility conversion plans as a component to the roadway project plans.
2. Coordinate and accommodate proposed underground utilities and above ground cabinets in the roadway design.
3. Conduct field review with CRA and electrical engineer to identify cabinet locations.

TASK 15 – Magnolia Terrace and Parking Lot Design

The Consultant will prepare two to three initial concepts for Magnolia Terrace, incorporating the interface with Keating Park pedestrian and maintenance access. Two meetings to present and discuss Magnolia Terrace will coincide with meetings to discuss the street ends in Task 5.

After receiving input from the initial concepts, the Consultant will prepare one final concept to receive concurrence of the concept from the CRA before proceeding to the preparation of design development plans.

The Consultant will perform the following as part of this task:

1. Prepare three initial concept plans for Magnolia Terrace and the adjacent parking lot from SR A1A to the east limit of the existing street/parking lot (not including Keating Park).
2. Prepare a typical section for each of the three concepts of Magnolia Terrace.
3. Present the initial concepts to CRA for review, incorporate initial comments and revise selected alternative into one final concept.
4. Prepare one photosimulation image of the parking lot, using a CRA-selected background image (this task will be covered under the contingency task)
5. Present final concept, updated section, to CRA. Final concept will be prepared with preliminary plant palette and preliminary hardscape design and palette for input prior to proceeding with construction documents. Prepare the following construction documents:
 - a. Prepare tree disposition plan, planting plans, irrigation plans, and hardscape plans
 - b. Prepare roadway paving and grading plans for street and parking lot
 - c. Prepare drainage plans
 - d. Prepare signing and pavement marking plans
 - e. Prepare landscape and hardscape plans construction documents
 - f. Prepare plan view exhibits for public meeting
 - g. provide drainage permitting
 - h. Prepare lighting design and permitting for parking lot and street

III. FDOT TIDAL FLOODING STUDY

TASK 1 - Consultant will coordinate with CRA to determine feasible recommendations provided by FDOT study for the E/W streets from Harrison Street to Magnolia Terrace between SR A1A and the Boardwalk and modifications to SR A1A drainage system. FDOT study is currently underway and recommendations are anticipated in the summer of 2020. Proposed improvements will be coordinated and permitted from the following agencies

1. Broward County Environmental Protection and Growth Management Department (BCEPGMD) Surface Water Management License
2. South Florida Water Management District (SFWMD)
3. Florida Department of Environmental Protection (FDEP)
4. U.S. Army Corps. Of Engineers

A budget allowance for this task is an estimate that will be re-evaluated once FDOT study recommendations are available and a specific scope is determined. This task will be completed under a separate authorization.

IV. CMAR Coordination

1. Coordinate and conduct an initial meeting with CRA regarding CMAR selection.
2. Upon selection of CMAR, coordinate and conduct 6 monthly meetings to consider CMAR input in design.
3. During the CMAR's bidding with subcontractors, respond to requests for information (RFIs) to assist them in developing their GMP.

V. CONTINGENCY

Budget under this Contingency will be used for items that are not included in the scope of services but may come up during design, permitting, public outreach process or CRA Board request. The fee budget allowance established is an estimate, but detailed scope will be determined when the task is clearly identified.

TASK 1 – Pedestrian Crossing Analysis

This task assumes that two new pedestrian crossings may be required during the design process. Since crossings do not currently exist, the analysis will be based on qualitative rather than quantitative criteria. The budget allowance for this task assumes preparation of an engineering report memorandum similar to the previous phase of SR A1A, several meetings with FDOT, Client and attendance at four of the public meetings. This task assumes that crossings will be unsignalized.

TASK 2 – Signal Modification

At this stage, it is assumed that there may be a need to redesign the existing pedestrian part of the signals at four side street crossings due to ADA ramp reconfiguration. It is assumed that the existing main, vehicular signals will not be modified. Upon coordination with Broward County and FDOT the scope of the signalization will be confirmed. For now, a fee budget allowance will be included under the contingency task.

TASK 3 – Private Property Harmonization

With the intent of raising side street profiles at the low points, harmonization to connect to adjacent private property will be required. The number and type of harmonization for private properties will be determined during design. The fee budget allowance for this task is an estimate. Specific fees will be determined during design once the scope of the work has been specified.

TASK 4 – Additional Exhibits and Analysis

This fee budget is an allowance for preparation of additional exhibits and or analysis that may be required to address requests from the public or City officials that are not included in the basic scope of services.

Reimbursable Allowance

A budget allowance is estimated for reimbursable items including reproduction costs for prints and mileage. One copy of large format prints up to size 24x36 will be provided for each major submittal phase and billed at \$2.50 per sheet. Additional copies of 11X17 sheet size will be provided as needed. Colored exhibits on foam core board will be provided at cost. Consultant will provide pdf files to Client to allow them to reproduce additional large format size prints. Mileage will billed at \$0.58 per mile or at IRS rate.

VI. GENERAL REQUIREMENTS FOR WORK

The standard project phase submittal will include an additional phase for CMAR GMP / permitting phase. Phase IV SR A1A segment and Phase IV (E/W Streetscape Segment) will have different timelines as E/W streets may be expedited ahead of SR A1A. However, the phasing below will generally work for both phases.

Consultant will adhere to a mutually agreed upon schedule. Due to the everchanging circumstances surrounding the COVID-19 Virus, situations may arise during the performance of this Agreement that affect availability of resources and staff of Kimley-Horn, the client, other consultants, and public agencies. There could be changes in anticipated delivery times, jurisdictional approvals, and project costs. Kimley-Horn will exercise reasonable efforts to overcome the challenges presented by current circumstances, but Kimley-Horn will not be liable to Client for any delays, expenses, losses, or damages of any kind arising out of the impact of the COVID-19 Virus."

Schematic Design:

Concept Development Phase - A1A Segment 3 months, E/W Streetscapes 2 months

- Kick-off meeting
- Submit draft typical sections for CRA approvals
- Prepare renderings
- Address CRA comments regarding typical sections including one meeting
- Kick-off meeting with FDOT
- Submit approved typical sections and preliminary layout to FDOT for approval
- Address FDOT comments including one meeting
- Design variation for lane widths
- Submit plant palette for CRA approval
- Address CRA comments and submit for FDOT approval
- Refine plant palette
- Lighting Analysis
- Sightlines Analysis and Landscape Variance

Design Development:

30% Submittal Phase – A1A 4 months, E/W 3 months

30% Plan Submittal to CRA

- Attend meeting with various internal City departments
- Address CRA comments and submit to FDOT
- Address FDOT ERC Comments
- Progress Public Meeting
- Address public comments

Construction Documents:

50% Submittal Phase - A1A 3 months, E/W 3 months

- 50% Plan Submittal to CRA
- Address CRA comments and submit to FDOT
- Address FDOT ERC Comments
- Broward County Signing and Marking Submittal for Side streets

90% GMP and Permits Submittal - A1A 3 months, E/W 2 months

- Release to CMAR for GMP
- Submit to permit agencies

100% Submittal Phase - A1A 12 months, E/W 4 months to get final approvals from all agencies

- Address Permit Package comments
- 100% Plan Submittal to CRA
- Address CRA comments and submit to FDOT
- Address FDOT ERC Comments
- Progress Public Meeting

CMAR Coordination and assistance during bidding

- Coordination and meetings with CRA regarding CMAR selection
- Coordination and meetings with selected CMAR during design
- Coordination and respond to questions from CMAR during their bidding

Plan sheet list for Phase IV SR A1A SEGMENT**Roadway**

- Key sheet (1)
- Summary of quantities (1)
- Existing Conditions (up to 17 sheets at scale 1=40 half size 11x17)
- Demolition (up to 17 sheets)
- Drainage Maps (3)- Existing and proposed
- Typical sections (2) – Broward County Communication systems note
- Typical section details (2)
- General notes (2)
- Pay item notes (1)
- Project layout (1)
- Plan sheets (17)
- Special details (3)
- Temporary traffic control plan sheets (4)
- Utility Verification sheet (SUE) (1)
- Project control sheets (Horizontal, vertical) (3)
- Erosion control plans (up to 17)
- Stormwater pollution prevention plans (SWPPP) (3)

Signing and pavement marking

- Key sheet (1)
- Summary of quantities (1)
- General notes (1)
- Plan sheets (17)
- Sign Details (2)

Street Lighting

- Key sheet (1)
- Summary of quantities (2)
- General notes (1)
- Special Details (2)
- Plan sheets (17)

Landscape/Hardscape/Irrigation

- Key sheet (1)
- Summary of quantities (3)
- General notes / plan specifications (3)
- Plan sheets (51)
- Detail sheets (10)

Plan sheet list for Phase IV East-West Streets, Surf Road, Street ends**Roadway**

- Key sheet (1)
- Summary of quantities
- Existing Conditions (up to 7)
- Demolition (7)
- Drainage Maps (4) Existing and proposed
- Typical sections (3)
- Typical section details (2)

- General notes (2)
- Pay item notes (1)
- Project layout (1)
- Plan sheets (7)
- Special details (3)
- Temporary traffic control plan sheets (4)
- Utility Verification sheet (SUE) (1)
- Project control sheets (Horizontal, vertical) (3)
- Erosion control plans (7)
- Stormwater pollution prevention plans (SWPPP) (3)
- Signing and pavement marking
 - Key sheet (1)
 - Summary of quantities (1)
 - General notes (1)
 - Plan sheets (7)
- Street Lighting
 - Key sheet (1)
 - Summary of quantities (2)
 - General notes (1)
 - Special Details (2)
 - Plan sheets (7)
- Landscape/Hardscape/Irrigation
 - Key sheet (1)
 - Summary of quantities (3)
 - General notes / plan specifications (3)
 - Plan sheets (21)
 - Detail sheets (11)

Fees and Expenses

Consultant will perform the services in Tasks xxx through xxx for the total lump sum fee below. Individual task amounts are information only and Consultant has the right to reallocate budgets between tasks.

I. PHASE IV - SR-A1A, PM, Public Involvement	\$1,298,374
II. PHASE IV - EAST-WEST SIDE STREETS, STREET ENDS AND SURF ROAD	
E/W Streets and Surf Road	\$921,269
Street Ends	\$173,470
Magnolia Terrace and Parking Lot	\$93,428
III. FDOT TIDAL FLOODING STUDY ALLOWANCE (under separate authorization)	

IV. CMAR COORDINATION	\$28,120
V. CONTINGENCY ALLOWANCE	\$220,564
SUBCONSULTANTS ALLOWANCE	
Subsurface Utility Exploration and Geotechnical Allowance	\$110,000
REIMBURSABLE ALLOWANCE	\$24,865
TOTAL CONTRACT	\$2,870,090

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**CITY OF HOLLYWOOD
COMMUNITY REDEVELOPMENT AGENCY
INTEROFFICE MEMORANDUM**

TO: Mayor and Commissioners **DATE:** May 26, 2020

FROM: Douglas R. Gonzales, General Counsel

SUBJECT: Agreement with Kimley-Horn and Associates, Inc. for Professional Services for Phase IV and SR A1A – Undergrounding of Overhead Utilities and E/W Streetscape Beautification South of Hollywood Boulevard to the Southern Boundary of the City

I have reviewed the above referenced Agreement with the participating Department/Office(s), and the proposed general business terms and other significant provisions are as follows:

- 1) Department/Division involved – Beach CRA
- 2) Type of Agreement – Agreement for professional services
- 3) Method of Procurement (RFP, bid, etc.) – RFQ
- 4) Term of Contract:
 - a) initial – 25 mths.
 - b) renewals (if any) –
 - c) who exercises option to renew –
- 5) Contract Amount – Not to exceed \$2,870,090
- 6) Termination Rights – City can terminate for convenience.
- 7) Indemnity/Insurance Requirements – Consultant will indemnify City and provide insurance.
- 8) Scope of Services – In connection with the project described in the title above, Consultant will provide professional services including, but not limited to, demolition, paving, grading, hardscape, landscape, irrigation, drainage, lighting, undergrounding and permitting...
- 9) Other Significant Provisions: None

cc: Dr. Wazir Ishmael, City Manager



City of Hollywood

Staff Summary

Hollywood City Hall
2600 Hollywood Blvd
Hollywood, FL 33020
<http://www.hollywoodfl.org>

File Number: R-BCRA-2020-20

Agenda Date: 6/3/2020

Agenda Number: 6

To: Regular Community Redevelopment Agency Meeting

Title: A Resolution Of The Hollywood, Florida Community Redevelopment Agency ("CRA"), Authorizing The Appropriate CRA Officials To Issue An Authorization To Proceed To Kimley-Horn And Associates To Provide Consulting Services For Phase IV - Undergrounding Of Overhead Utilities And Streetscape Beautification In An Amount Not To Exceed \$2,870,090.00.

Strategic Plan Focus Area:



Infrastructure & Facilities

Staff Recommends: Approval of the attached Resolution.

Explanation:

On June 25, 1997, The CRA adopted the Hollywood Beach Community Redevelopment Agency Plan for the Hollywood Beach District Area with the Community Redevelopment Agency (CRA).

The Pilot Project and Phase I, II and III of the Streetscape improvements and undergrounding have been proven a success in transforming the pedestrian and vehicular streetscape.

The CRA intends to continue with Phase IV and SR A1A - undergrounding of overhead utilities and E/W streetscape beautification south of Hollywood Boulevard to the southern boundary of the City.

Pursuant to Resolution No. R-2005-324, the City supported and approved various capital improvement projects, including the underground conversion of overhead utility lines on City rights-of-way.

On February 5, 2019, the CRA Board approved Resolution No. R-CRA-2019-09, authorizing the appropriate CRA officials to negotiate and execute a contract with the highest ranked firm, Kimley-Horn and Associates Inc. ("KH").

The CRA followed the procedures established in Section 287.055, Florida Statutes, known as the Consultants' Competitive Negotiation Act, to procure services from such consulting firm.

Pursuant to the procedures established in the Consultants' Competitive Negotiation Act, on October 22, 2018, the CRA issued RFQ BCRA 19-001 to provide professional engineering services for phase IV streetscape and SR A1A.

On June 5, 2019 the CRA Board approved Resolution No. R-CRA-2019-28, and authorized the appropriate CRA officials to issue a Notice to Proceed to KH to provide consulting services for Phase IV and SR A1A for undergrounding of overhead utilities lines in an amount not to exceed \$374,860.00.

The CRA requested a proposal for the consulting fees for the complete scope of professional services required to issue the construction documents for Phase IV and SR A1A - undergrounding of overhead utilities and E/W streetscape beautification.

Services to be completed under this contract include, but are not limited to demolition, paving, grading, hardscape, landscape, Irrigation, drainage, lighting and undergrounding, and to provide an allowance for storm drainage based on the Florida Department of Transportation tidal flooding study.

Fiscal Impact:

The total fees to be paid for the consulting services provided by Kimley-Horn and Associates, Inc. shall not exceed \$2,870,090.00. Funding for this expenditure is available in the Beach CRA FY 2020 account number 163.639901.55200.563010.001236.000.000 - Const Imprvmt - Underground Ph 4 (East/West Streets).

Recommended for inclusion on the agenda by:

Jorge Camejo, Executive Director

RESOLUTION NO. R-BCRA-2020-

A RESOLUTION OF THE HOLLYWOOD, FLORIDA COMMUNITY REDEVELOPMENT AGENCY ("CRA"), AUTHORIZING THE APPROPRIATE CRA OFFICIALS TO ISSUE AN AUTHORIZATION TO PROCEED TO KIMLEY-HORN AND ASSOCIATES TO PROVIDE CONSULTING SERVICES FOR PHASE IV – UNDERGROUNDING OF OVERHEAD UTILITIES AND STREETSCAPE BEAUTIFICATION IN AN AMOUNT NOT TO EXCEED \$2,870,090.00.

WHEREAS, on June 25, 1997, the Community Redevelopment Agency ("CRA") adopted the Hollywood Beach Redevelopment Plan for the Hollywood CRA Beach District; and

WHEREAS, the Pilot Project and Phases I, II and III of the streetscape improvements and undergrounding have been a proven success in transforming the pedestrian and vehicular streetscape; and

WHEREAS, the CRA intends to continue with Phase IV and SR A1A - undergrounding of overhead utilities and E/W streetscape beautification south of Hollywood Boulevard to the southern boundary of the City; and

WHEREAS, pursuant to Resolution No. R-2005-324, the City supported and approved various capital improvement projects, including the underground conversion of overhead utility lines on City rights-of-way; and

WHEREAS, pursuant to the procedures established in Section 287.055, Florida Statutes, known as the Consultants' Competitive Negotiation Act, on October 22, 2018, the CRA issued RFQ BCRA 19-001 to provide professional engineering services for phase IV streetscape and SR A1A; and

WHEREAS, on February 5, 2019, the CRA Board approved Resolution No. R-CRA-2019-09, authorizing the appropriate CRA officials to negotiate and execute a contract with the highest ranked firm, Kimley-Horn and Associates Inc. ("KH"); and

WHEREAS, on June 5, 2019, the CRA Board approved Resolution No. R-CRA-2019-28, and authorized the appropriate CRA officials to issue a Notice to Proceed to KH to provide consulting services for Phase IV and SR A1A for undergrounding of overhead utilities lines in an amount not to exceed \$374,860.00; and

WHEREAS, the CRA requested a proposal for the consulting fees for the complete scope of professional services required to issue the construction documents for Phase IV and SR A1A - undergrounding of overhead utilities and E/W streetscape beautification; and

WHEREAS, services to be completed under this contract include but are not limited to demolition, paving, grading, hardscape, landscape, Irrigation, drainage, lighting, undergrounding, and permitting; and

WHEREAS, the amount of fees to be paid for the consulting services provided by KH shall not exceed an additional \$ 2,870,090.00, as set forth on the attached Exhibit "A"; and

WHEREAS, funding for this expenditure is available in the Beach CRA FY 2020 account number 163.639901.55200.563010.001236.000.000 - Const Imprvmt - Underground Ph 4 (East/West Streets).

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

Section 1: That the foregoing "WHEREAS" clauses are ratified and confirmed as being true and correct and are incorporated in this Resolution.

Section 2: That it authorizes the issuance, by the appropriate CRA officials, of a Notice to Proceed for the attached proposal with Kimley-Horn and Associates, 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 legal sufficiency by the CRA General Counsel.

Section 3: That this Resolution shall be in full force and effect immediately upon its passage and adoption.

PASSED AND ADOPTED this _____ day of _____, 2020.

ATTEST:

HOLLYWOOD, FLORIDA COMMUNITY
REDEVELOPMENT AGENCY

PHYLLIS LEWIS, BOARD SECRETARY

JOSH LEVY, CHAIRPERSON

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

DOUGLAS R. GONZALES
GENERAL COUNSEL

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design

EXHIBIT A

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
24								
Phase IV SR A1A SEGMENT								
Task 1 Project Management (entire project SR A1A and E/W Side Streets)								
Coordination with Client (2hrs per week + 1 mtg for 14 months)	144	96	48				288	\$72,240
Subconsultant Management	24	48				8	80	\$17,920
Contract Management, report, schedule, budget	48	48				96	192	\$31,920
Address Public Inquiries (6 inquiries x 4 hrs)		24		24			48	\$9,120
Task 2 Roadway Design								
Project Research		2	2		12		16	\$2,388
Field Observations		24		24			48	\$9,120
Review and Resolve Provided Survey Files	1	8		8			17	\$3,330
Develop Digital Terrain Model (DTM) for all project surveys		24		72	20		116	\$19,620
Typical Section Package (FDOT requirement)		8		12	24		44	\$6,796
Design Variations	2	44		40	8		94	\$17,672
Pavement Design		10		32			42	\$7,430
Horizontal Alignment Analysis and Base Map		34		18	104		156	\$23,696
ADA upgrades	2	38			120		160	\$24,230
Vertical Alignment and Cross Sections	2	48		96			146	\$26,740
Drainage Report	2	24		40	16		82	\$14,404
Roadway Plans:								
Key Sheet (1)		2			6		8	\$1,204
Summary of quantities (1)		2			8		10	\$1,462
Existing Conditions (up to 17)		4		16			20	\$3,500
Demolition Plans		3		17	34		54	\$7,836
Drainage Maps (up to 3)	1	12		48	12		73	\$12,338
Typical Sections (up to 6)		16		12	48		76	\$11,612
Typical Section details (up to 2)		3		4	24		31	\$4,401
General notes (up to 2)		2		4	16		22	\$3,154
Pay item notes (1)		2		8	16		26	\$3,814
Project Layout (1)		6		4	16		26	\$4,014
Plan Sheets (up to 17)	8	85			170		263	\$42,525
Special details (up to 3)		4		36	36		76	\$11,444
Temporary Traffic Control Plan Sheets (up to 4)		18		32	48		98	\$15,342
Utility Verification Sheet (SUE) (1)		3		8	24		35	\$5,061
Project Controls Sheets (Horizontal, vertical) (up to 3)		2		6	8		16	\$2,452
Erosion Control Plans (up to 17)		2		8	51		61	\$8,329
Storm Water Pollution Prevention Plans (SWPPP) (up to 3)		5		8	24		37	\$5,491
Phase Submittals:								
Concept	2	8		16			26	\$4,940
30%	2	12		16			30	\$5,800
50%	2	16		16			34	\$6,660
90%	2	16		16			34	\$6,660

4/28/2020

FEE ESTIMATE

Hollywood- Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
100%							0	\$0
							0	\$0
Task 3 Signing and Marking Design and Plans								
Signing and Marking Plans (up to 20 sheets)	2	24		60	204		290	\$41,956
Sign details (2)		8		20	24		52	\$8,116
Phase Submittals:							0	\$0
30%							0	\$0
50%	1	8		8	16		33	\$5,394
90%	1	6		8	16		31	\$4,964
100%	1	4		4	8		17	\$2,842
							0	\$0
Task 4 Landscape/Hardscape/Irrigation - SR A1A								
Conceptual Design and Plan prep for meetings 3 concepts/ hardscape&plant exhibits	6		36		70		112	\$18,150
Meetings with FDOT, 2 meetings w Client (3 total meetings)		12	12		8		32	\$6,072
Meetings with Linear Park Consultant (up t two)		6	8		8		22	\$3,962
Preparation of SD exhibits and 2 rounds revisions			36		100		136	\$20,280
SD Exhibits - Before/After photosimulations - refer to contingency allowance							0	\$0
CDs - Tree Disp Plans/ Details/ Charts			20		80		100	\$14,420
CDs - Planting Plans/ Details			40		170		210	\$30,130
CDs - Irrigation Plans/ Details			40		120		160	\$23,680
CDs - Hardscape Plans/ Details			40		240		280	\$39,160
CDs -50% revisions			36		80		116	\$17,700
CDs -90% revisions			24		80		104	\$15,240
CDs -100% revisions / Final Deliverable			24		60		84	\$12,660
CDs -Phase submittal meetings with Client (4)/ regular client coordination		12	40		20		72	\$13,360
Task 5 Traffic Engineering								
Traffic Engr. coordination with FDOT on traffic comments	2	24						\$5,740
Pedestrian Crossings - Included in contingency task								
Task 6 Quantity Calculations and Opinion of Probable Construction Cost (OPC)								
Phase Submittals:								
30%	1	16	16	24			57	\$10,970
50%	1	16	16	24			57	\$10,970
90%	1	16	16	24			57	\$10,970
100%	1	16	16	24			57	\$10,970
							0	\$0
Task 7 Environmental Services and Permitting								
FDOT Permitting	36	52		60	18	5	171	\$34,242
FDOT ERC system review comments and resolution	12	48		24	72	5	161	\$27,448
Broward County Traffic	8	20		36	24		88	\$15,656
Broward County Transit	8	14		12			34	\$7,310
BCEPGMD Permitting	8	20		40	40		108	\$18,380
SFWMD Permitting	8	16		28		4	56	\$10,700
Task 8 Utility Coordination per FDOT Requirements								
Initial coordination with UAOs		8			16		24	\$3,784
Utility files review and plot		8		12	36		56	\$8,344

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Conflict resolution with trees, lights, manholes, valves, etc.		20		18	40		78	\$12,430
Utility clearance letters and coord. Per FDOT		8		18	40		66	\$9,850

FEE ESTIMATE
Hollywood-Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Task 9 Public Involvement								
Attendance 12 Meetings (including Commission meeting)	72	36	72			24	204	\$45,300
PowerPoint presentations (2 presentations each phase plus 4 updates each = 12)	48	48	64		128		288	\$53,872
Renderings for A1A	8	8	32		64		112	\$18,856
Monthly reports for website	12	12				12	36	\$7,020
Task 10 Lighting Analysis								
Lighting Analysis, Photometrics Design, FDOT lighting report and FDOT coordination	2	24		272			298	\$50,620
Lighting Design Plans	4	24		119			147	\$25,955
Coordination and Electrical Design		16		48			64	\$11,360
Police camera conduit plans (includes 2 meetings)		8		16			24	\$4,360
Task 11 Signallization								
Refer to contingency task							0	\$0
							0	\$0
Task 12 Drainage Design								
Drainage Analysis		24		40			64	\$11,760
							0	\$0
Task 13 Technical Specifications								
Technical Specs	2	22	18	60		8	110	\$19,540
							0	\$0
Task 14 Overhead Line Undergrounding								
Incorporate Utility Component Plans	2	8		16	24		50	\$8,036
Coordinate Electrical Components		12	12	24			48	\$9,000
							0	\$0
Task 15 Subconsultants Coordination								
Subsurface Utility Exploration (SUE)	4	16			36		56	\$9,244
Geotechnical Services	2	8			24		34	\$5,396
							0	\$0
Task 16 Technical Supervision and Coordination								
Technical Work Supervision for complete project	192	24					216	\$60,840
							0	\$0
Task 17 Quality Control								
Quality Control Reviews for each phase and plan component	12	108					120	\$26,700
							0	\$0
							0	\$0

FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
II. PHASE IV- EAST-WEST SIDE STREETS, STREET-ENDS AND SURF ROAD								
Task 1 Roadway Design								
Project Files from CRA		2	2		2		6	\$1,098
Field Observations		24		24			48	\$9,120
Review and Resolve Provided Survey Files	1	8			36		45	\$6,654
Pavement Design		1		4			5	\$875
Horizontal Alignment Analysis and Base Map		34		18	70		122	\$19,310
Design Paving and Grading	4	48		144			196	\$35,240
Vertical alignment and Cross Section Analysis	2	52		152			206	\$36,840
Driveway Cross Section Analysis	2	48		220			270	\$47,200
Design Paving and Grading for Street-Ends	2	32		80			114	\$20,660
Right-of-Way Encroachment Analysis	2	40			57		99	\$16,533
Roadway Plan Sheets:								
Key Sheet (1)		2			6		8	\$1,204
Summary of quantities (1)		2			8		10	\$1,462
Existing Conditions (up to 7)		6		18			24	\$4,260
Demolition Plans (up to 7)		8		24			32	\$5,680
Drainage Maps (up to 4)	1	12		36	18		67	\$11,132
Typical Sections (up to 4)		6			18		24	\$3,612
Typical Section details (up to 2)		3			24		27	\$3,741
General notes (up to 2)		2			16		18	\$2,494
Pay item notes							0	\$0
Project Layout (1)		5			16		21	\$3,139
Plan Sheets (7)	8	57		57	76		198	\$33,784
Special details (up to 3)		4			18		22	\$3,182
Temporary Traffic Control Plan Sheets (up to 4)		22		24			46	\$8,690
Utility Verification Sheet (SUE) (1)		3		8	16		27	\$4,029
Project Controls Sheets (Horizontal, vertical) (up to 3)		2		8			10	\$1,750
Erosion Control Plans (up to 7)		4		4	38		46	\$6,422
Storm Water Pollution Prevention Plans (SWPPP) (up to 3)		4		6	18		28	\$4,172
Phase Submittals:								
Concept	2	8		16			26	\$4,940
30%	2	12		24			38	\$7,120
50%	2	16		24			42	\$7,980
90%	2	16		24			42	\$7,980
100%	2	8		16			26	\$4,940
							0	\$0
Task 2 Raised Roadway Profile Analysis								
Analyze Impacts to Adjacent Properties	2	46		152			200	\$35,550
Enlargement Exhibits	2	16			24		42	\$7,116
							0	\$0

FEE ESTIMATE

Streetscape and SR A1A
Final Design

Kimley»Horn

Hollywood- Phase IV

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Task 3 Signing and Pavement Marking (SPM) Design and Plans								
Signing and Marking Plans (up to 13 sheets)	2	40			108		150	\$23,112
Phase Submittals:								
30%							0	\$0
50%	1	6		12			19	\$3,560
90%	1	5		12			18	\$3,345
100%	1	4		8			13	\$2,470
							0	\$0
Task 4 Landscape/ Hardscape/ Irrigation Design for E/W Streets								
Review City - provided CAD documents for incorporation into set			8		10		18	\$2,930
Prepare concepts for all streets, based on City Design precedence			20		80		100	\$14,420
Initial and follow up meetings with Client to review Magnolia Terrace and all other streets			12		12		24	\$4,008
CDs - Planting Plans/ Details (Tree Disp Included on Planting sheets)			80		380		460	\$65,420
CDs - Irrigation Plans/ Details			20		228		248	\$33,512
CDs - Hardscape Plans/ Details			100		570		670	\$94,030
CDs- 50% revisions			20		80		100	\$14,420
CDs- 90% revisions			20		80		100	\$14,420
CDs- 100% revisions/ Final Deliverable			20		60		80	\$11,840
CDs-Phase submittal meetings with Client (4)/ regular client coordination			40		20		60	\$10,780
							0	\$0
Task 5 Landscape/ Hardscape/ Irrigation Design for Street Ends								
Initial meeting with CRA to discuss street end concepts			5		5		10	\$1,670
Produce Initial CAD concept for 8 street ends, w sections/elevations			30		100		130	\$19,050
Second meeting with CRA			5		5		10	\$1,670
Produce refined design development for 8 street ends, w sections/elevations/details			40		160		200	\$28,840
One revision to design development package			20		40		60	\$9,260
CDs - Planting Plans/ Details (Tree Disp Included on Planting sheets)			20		160		180	\$24,740
CDs - Irrigation Plans/ Details			10		60		70	\$9,790
CDs - Hardscape Plans/ Details			40		200		240	\$34,000
CDs- 50% revisions			15		40		55	\$8,235
CDs- 90% revisions			15		40		55	\$8,235
CDs- 100% revisions/ Final Deliverable			10		30		40	\$5,920
CDs-Phase submittal meetings with Client (4)/ regular client coordination			40		20		60	\$10,780
							0	\$0
Task 6 Structural Design								
Structural details for 3 Hardscape elements		8	8	48			64	\$11,280
Task 7 Traffic Engineering								
Parking Layouts coordination	2	16			24		42	\$7,116

FEE ESTIMATE

Hollywood-Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
Task 8 Environmental Services and Permitting								
Broward County Traffic	12	12		24	12		60	\$11,568
BCEPGMD	2	32		40	80		154	\$24,380
SFWMD	1	8		24			33	\$5,970
FDEP	1	6		40	24		71	\$11,276
FWC Permitting	8	32		48	48		136	\$23,312
City of Hollywood Building Dept		8			8		16	\$2,752
Task 9 Utility Coordination								
Coordination with UAOs		8		24	36	12	80	\$11,284
							0	\$0
Task 10 Specification Notes Sheets								
Review CRA Specs from Phase 3	2	8	8	16			34	\$6,580
							0	\$0
Task 11 Storm Water Management Design Phase IV E/W Streets								
Orainage Design Modifications	4	57		228			289	\$51,035
							0	\$0
Task 12 Quantity Calculations and Opinion of Probable Construction Cost (OPC) Phase IV E/W Streets								
Phase Submittals:								
30%	1	8		16			25	\$4,650
50%	1	8		24			33	\$5,970
90%	1	8		16			25	\$4,650
100%	1	8		16			25	\$4,650
							0	\$0
Task 13 Street Lighting								
Photometric Design (7 sheets)		24		218			242	\$41,130
Lighting Plans (sheets)		16		142			158	\$26,870
							0	\$0
Task 14 Overhead line conversion to underground coordination and plan integration								
Incorporate Utility Conversion plans into Construction Documents	4	12	4	8			28	\$5,880
Coordination of underground utilities and above ground cabinets		8	4	8			20	\$3,860
Field Review with CRA and Electrical Engineer for cabinet locations		2	2	8			12	\$2,160
Task 15 Magnolia Terrace and Parking Lot Design								
Initial Concept Plan (3 ALTs)			12		40		52	\$7,620
Typical Section		8			18		26	\$4,042
Final Concept and revised typical Section, landscape/hardscape palettes		4	10		60		74	\$10,650
Photosimulation Image (refer to contingency task)							0	\$0
CDs - Planting Plans/ Details (Tree Disp Included on Planting sheets)			4		18		22	\$3,142
CDs - Irrigation Plans/ Details			4		18		22	\$3,142
CDs - Hardscape Plans/ Details			10		40		50	\$7,210
CDs - Paving and Grading Plans	4	16		40	24		84	\$14,296
CDs - Signing and Pavement Marking Plans		4		8	24		36	\$5,276
CDs- 50% revisions		4		8			12	\$2,180
CDs- 90% revisions		4		12			16	\$2,840
CDs- 100% revisions/ Final Deliverable		2		4			6	\$1,090

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FEE ESTIMATE
Hollywood- Phase IV

Streetscape and SR A1A
Final Design

Kimley»Horn

Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
CDs-Phase submittal meetings with Client (4)/ regular client coordination			16				16	\$3,280
Plan View Exhibits for Public Meeting			2		10		12	\$1,700
Drainage Permitting		12		45	24		81	\$13,101
Lighting Design and Permitting		16		35	36		87	\$13,859

Hollywood- Phase IV

Streetscape and SR A1A Final Design

Kimley»Horn

	Category	Principal	Senior Professional	Senior Urban Designer	Project Engineer	Engineer / LA	Admin	Total Hours	Total
	Duration of Contract (Months)	\$ 290.00	\$ 215.00	\$ 205.00	\$ 165.00	\$ 129.00	\$ 80.00		
III. TIDAL FLOODING STUDY									
Task 1									
Allowance for FDOT Tidal Study Recommendations (under separate authorization)								0	\$0
IV. CMAR Coordination									
Coordinate and Conduct Initial Meeting		8	8	4				20	\$4,860
Monthly Meeting with CMAR for 6 months		24	12	12				48	\$12,000
Respond to CMAR RFIs		2	16	16	24			58	\$11,260
V. CONTINGENCY									
Pedestrian Crossing Traffic Analysis, FDOT Coord, Public mtg. allowance		8	60		8	60		136	\$24,280
Pedestrian Crossing Signals Design and Plans (2 locations) allowance		12	50		76	76		214	\$36,574
Signal Modification per ADA 3 exist. locations- allowance (Design, Plans, B. County, FDOT)		8	60		90	60		218	\$37,810
Private Property Harmonization & coord. allowance for selected properties		60	240	24	60	80		464	\$94,140
xhibits, Photosims, Renderings and Analysis allowance		16	8	40	80			144	\$27,760
								0	\$0
Subtotal Hours		922	2904	1440	4233	6480	174		
Total Hours 16127									
Subtotal (SR A1A, PM, Public involvement)									\$1,298,374
Subtotal E/W Streets & Surf Road									\$921,269
Subtotal Street ends									\$173,470
Subtotal Magnolia Terr.									\$93,428
Subtotal									\$2,486,541
IV. CMAR Coordination									\$28,120
V. Contingency Allowance									\$220,564
Sub - Subsurface Utility Exploration (SUE) & Geotech Allowance									\$110,000
Reimbursables Allowance (1%)									\$24,865
Total									\$2,870,090

March 17, 2020
Revised April 16, 2020
Revised April 24, 2020
Revised April 27, 2020

Ms. Sarita Shamah
Senior Project Manager
Hollywood Community Redevelopment Agency
1948 Harrison Street
Hollywood, FL 33020

RE: Phase IV Streetscape and SR A1A, Hollywood, Florida

Dear Ms. Shamah:

Kimley-Horn and Associates, Inc. ("Kimley-Horn", "KH" or "the Consultant") is pleased to submit Task Work Order 3 for Professional Services to the Hollywood Community Redevelopment Agency ("CRA" or "CRA") for professional engineering consulting services related to Phase IV streetscape and SR A1A.

PROJECT UNDERSTANDING

The CRA wishes to continue the next phase of streetscape improvements and undergrounding of overhead utilities along SR A1A and the east-west (E/W) side streets (Phase IV). The CRA will procure a construction manager at risk (CMAR) to construct the project. This capital improvement project is in conformance with the elimination of slum and blight as outlined in the Beach CRA 1997 Redevelopment Agency Plan, and this project will mirror the improvements implemented within the Beach CRA district from Hollywood Blvd to Sheridan Street and from SR A1A to the Broadwalk.

Contract documents as per this proposal shall be completed and permitted.

Phase IV is defined as follows:

Phase IV:

- SR A1A (total FDOT ROW) from Hollywood Boulevard to the southern City limits to (approximately 1.8 miles)
- East-west side streets from Harrison Street to Magnolia Terrace (from the east ROW line from A1A to the Broadwalk)
- East-west side street end – street-end design concepts to be provided by CRA from Harrison Street to Magnolia Terrace
- Surf Road from Harrison Street to Iris Terrace to (approximately 0.8 miles)
- Reconfiguration of Magnolia Terrace Parking Lot.

I. PHASE IV - SR-A1A SEGMENT

Project Description

SR A1A is a Florida Department of Transportation (FDOT) roadway. Proposed modifications to the corridor by the CRA/City of Hollywood will require approval by FDOT and processing in accordance with their procedures. Proposed improvements to enhance the SR A1A corridor consist of reconfiguring the existing six lanes of traffic and median. Early coordination with FDOT Lane Elimination Committee on

September 11, 2019 indicated their willingness to consider reconfiguration of the existing six lanes but not elimination of any lanes. The six lanes will be maintained but reduced in width in order to widen the existing median and the barren narrow hardscaped median traffic separators adjacent to left turn lanes. Existing landscape medians will be able to receive more enhanced landscape. The existing outside curb will remain, and the existing outer lane will be marked as a shared lane with (Sharrows) while medians will be widened by approximately four additional feet as was shown in option 1 rendering at previous public and CRA Board meetings. The medians will receive enhanced landscape to the extent allowed by FDOT. Landscape design variations will be required and submitted to FDOT for approval. Flags of existing sidewalks will be replaced with decorative sidewalk to create a hardscape pattern which will include select design elements utilized in the portion of SR A1A sidewalks north of Hollywood Boulevard. Trees and pedestrian streetlights along the roadside will be provided where applicable. All required design surveys will be provided by the CRA.

SCOPE OF SERVICES

The following detailed tasks will be provided as part of the scope of services.

TASK 1 – Project Management (for entire project – SR A1A and E/W Side Streets)

1. Coordination with CRA and agencies for the duration of the project duration (emails, calls, meetings, weekly status updates, etc.) and **one monthly** face to face meeting for the project team. Meetings can take place one month at the CRA and another month at Kimley-Horn's Plantation Office. The project will consist of two phases. Phase IV A1A SEGMENT and Phase IV E/W STREETSCAPE. The estimated project schedule will be 24 months including the permit phase (refer to section VI for schedule breakdown).
2. Kimley-Horn will provide staffing teams for both phases of project.
3. Subconsultant management – coordinate with geotechnical and subsurface utility exploration (SUE) subconsultants as needed throughout the 24-month schedule.
4. Contract management (Reports, schedule, budgets, etc.) - Provide weekly status update reports to CRA on Fridays. Provide schedule and budget updates with monthly progress reports.
5. Addressing Public Inquiries – Provide feedback to CRA regarding responses to public inquiries within the scope of the project.

TASK 2 – Roadway Design

1. Project research – request and review all readily available roadway and utility records.
2. Field Observations – Conduct field reviews; an initial field walk and document existing conditions. Conduct another field visit at 60% phase to verify design and connection to existing conditions and a final field review before submittal of final plans. Document field observations on plans by hand markup in the field and with photos. Prepare a pdf of the marked plans and photos.
3. Review City Provided Survey Files – review survey files, field verify and identify missing information. It is expected that the survey will be in accordance with standard roadway design survey and must include smart elevations with x,y,z, geometry labels of bearings, angles and curves. Client to provide any additional survey information or corrections as needed.
4. CRA survey will provide standard roadway design survey with x,y,z points with differentiating descriptions to allow Consultant to readily develop a digital terrain model (DTM),
5. Typical Sections Package – Prepare FDOT required typical section package and typical section sheets. Typical sections will be based on making the outside lane as a shared lane with Sharrow markings. Construction documents shall provide clear documentation of any a typical existing conditions. Traffic separators will be widened to be landscaped with plantings. Outside existing curb will remain in place. Existing pavement will be milled and resurfaced to its existing cross

- slope. Prepare required typical sections as needed to provide clear construction documents. It is assumed that there will be 6 typical sections and provide typical detailed information at those locations where harmonization transition will be occurring.
6. Design variations – Prepare 2 design variations, one for not providing dedicated bike lanes but only shared outside lanes and another variation for landscaping due to the limited median. Meet and coordinate with FDOT, address their variation comments and resubmit for approval.
 7. Pavement Design – Prepare pavement design package as required by FDOT. It is assumed that two pavement design calculations are required, one for minor widening work and the other for milling and resurfacing.
 8. Horizontal Alignment Analysis and Base Map– Verify horizontal alignment geometry from survey and available FDOT record files as required by FDOT. Create base map of project. Utilize readily available County or State aerial photography files for background. Access to properties and streets as well as median limits will generally remain as existing. SR A1A from ROW to ROW, except for the linear park portion, may have sidewalk improvements to replace existing sidewalk in place without changing driveway profiles. Create plan sheets and label roadway features after approval of typical sections. CRA can provide photos including drone photography of existing conditions. Identify deteriorated sidewalks to be replaced.
 9. ADA upgrades – check all ADA ramp locations and upgrade as required by FDOT, especially for new intersection bulb-outs. All improvements will be limited to within existing right of way. It is estimated that 30 existing ADA curb ramps will be addressed under this task. CRA will consider having FDOT reimburse for upgrades from their 3R funds.
 10. Vertical alignment and Cross Sections Analysis – Verify existing profiles from available survey as required by FDOT. Design curb return profiles. Address proposed median curb elevations and traffic separator widening grading.
 11. Drainage – Prepare a drainage report documenting existing drainage conditions as required by FDOT and reflect on roadway plans. It is anticipated that existing curb inlets will remain. The upcoming FDOT study's recommended drainage improvements are addressed under Section III of this scope of services.
 12. Erosion Control Plans – Prepare erosion control plans as required by FDOT and permitting agencies.
 13. Horizontal Geometry Control Reference Sheets – Coordinate with surveyor to take survey information and place into a horizontal and vertical geometry control sheets including benchmark information.
 14. Traffic Control Plans (TCP) – Prepare maintenance of traffic plans per FDOT permit requirements which will consist of references FDOT standard Indices and TCP notes sheets.
 15. Construction Details – Prepare construction detail sheets, all material specifications including landscape, hardscape, etc.
 16. Prepare demolition plans.

TASK 3 – Signing and Marking Design and Plans – Prepare signing and pavement marking plans for SR A1A including all intersections accordance with FDOT permit requirements.

TASK 4 – Landscape/Hardscape/Irrigation SR A1A

Conceptual Design

Consultant will provide conceptual and design development hardscape and landscape design services for the project, limited to median and roadside within the right-of-way, inclusive of portions of the FDOT right-of-way but excluding the seawall and seawall cap and linear park design between back of curb and seawall, which will be provided by others. The following services will be provided:

- Prepare two to three different plan view typical conceptual designs for initial input of the following areas for each profile condition
 - A typical segment of SR A1A
 - *Linear park will be designed by others, KH will coordinate with FDOT to permit park documents including ROW agreement but the production of permit documents and addressing FDOT comments on the documents will be provided by others.*
- The three concepts will be prepared for the area between Harrison Street to Hollywood Boulevard using survey ACAD drawings and aerial photographs for background with basic color (blocks of flat color - green for landscape area, grey for asphalt, red for pavers, etc.) and labeling to identify hardscape and landscape material to receive initial design direction from the CRA including segment .
- Hardscape colored exhibits will be prepared, depicting photographs of furnishings including pedestrian lighting if needed, decorative pavement selections, and other proposed above-ground design elements within the right-of way, but excluding the linear park west of the west curb line.
- Planting palette exhibit, depicting representative photographs of trees, palms, shrubs, and groundcovers.
- Present the three concepts at a meeting with the CRA and various City Staff (It is anticipated that CRA will invite representatives from various departments including Public Works, Public Utilities, Fire/Police, City Engineer).
- Meet with the FDOT District Landscape Architect to discuss the three initial concepts and potential design variations.
- Meet with CRA to discuss FDOT's initial comments.
- Upon receiving CRA and FDOT input, Kimley-Horn will prepare the following design development deliverables, incorporating elements from one or more of the three concepts into one refined design that will be submitted and used as a basis for the permit/construction documents.
 - Prepare one plan view rendering roll plot / pdf for the length of SR A1A based on anticipated design variance and proposed streetlight locations using a scaled roll plot.
 - Prepare plant palette and hardscape palette exhibits depicting the selected elements to be implemented.
 - Prepare before/after photosimulation vignettes using base photographs selected by CRA (to be covered under contingency task).
 - Prepare photometric analysis to determine whether pedestrian lights are needed on A1A corridor.
- Coordinate with FDOT to request that their currently-under-development lighting plans along A1A will raise the control and splice boxes on FDOT's existing and proposed streetlights as preventative maintenance to reduce outages. The FDOT lighting project is separate from the CRA project.
- Meet with CRA and City staff to provide final input on the design development deliverable and to review material selections from a maintenance/cost benefit perspective to finalize the selections for incorporation into construction documents.
- Meet with the CRA and CRA's linear park design consultant for integration of design elements between projects.
- Prepare final design development deliverable based on CRA and City comments.

Permit/Construction Documents

Consultant will prepare the following permit construction documents, in compliance with the FDOT and City of Hollywood Code requirements:

1. **Tree Disposition Plan:** Consultant will use the project tree survey and conduct a field observation with two staff members to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), canopy spread or as required by the permitting entity. The survey provided by the CRA will include the tree measurements. This plan will tabulate trees to remain, to be removed, and/or to be relocated. Consultant will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations. Coordinate with City of Hollywood's Landscape Plan Reviewer, Public Works and Public Utilities.
2. **Planting plans:** for this phase we will delineate plant material, plant quantities, plant schedules, specifications and project-specific planting details for right-of-way plantings, excluding the linear park west of the west curb line with code required planting calculations. The planting plans will also describe tree grate or tree grate alternative and planting details. It is anticipated that minimal opportunity is available to place trees within the east sidewalk area due to the limited width and presence of private landscaping and trees at the back of sidewalk. No plantings will be designed for the space west of the west curb, as this area is being designed by others. Identify choice of trees and spacing and corresponding FDOT design variation requirements. Prepare draft design variation for FDOT review.
3. **Irrigation plans:** designed to provide 100% irrigation coverage for project landscaped areas within the task limits, excluding the linear park west of the west curb line. Kimley-Horn will provide the following irrigation design services, after CRA approval of the 90% landscape plans:
 - Initial pre-design meeting with CRA and City of Hollywood staff, including Public Works, Arborist, Landscape Plan Reviewer and Public Utilities.
 - 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 irrigation system.
 - Irrigation mainline and sub-mainline sizing with recommended routing.
 - Coordination with roadway plans 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.
 - Ancillary notes, calculations, and labels required to develop a master irrigation system for all proposed planting areas.
 - Electrical connections, panel zones for entire project to be prepared by the project electrical engineer. The electrical plans will depict service locations for irrigation controllers and, if necessary, booster pumps.
 - All irrigation design must be preceded by a meeting with invitation to PW, City of Hollywood staff including Public Works, Arborist, Landscape Plan Reviewer and Public Utilities.
4. **Hardscape plans:** details and plans will be developed with material selections, specifications, and construction detailing. Hardscape design elements for this project, excluding the linear park west of the west curb line are limited to:
 - Paving treatments – colored concrete sidewalk flags, concrete pavers, and/or patterned textured pavement treatments for side street crosswalks. It is assumed that textured

pavement (stamped asphalt) will be limited to pedestrian crossings of side streets and or across SR A1A.

- Linear Park - Site furnishings, accent lighting – sections, elevations, specification and finishes selected, as well as foundation design required by code for the west roadside will be part of the linear park design by others. and complete plans will be provided by others to KH to include it in the FDOT permit package.
- Landscape accent lighting – Consultant will provide a plan view and design intent depicting schematic layout of landscape lighting features. at median ends. We will identify specific equipment for the landscape lighting with electrical design and service to the landscape lighting features to be provided on the project electrical engineer's plans.
- Review concepts with CRA and City's Public Works staff from a maintenance/Cost/Benefit perspective of hardscape and landscape design to agree on material selection.
- Provide opinion of probable cost.

TASK 5 - Traffic Engineering

1. Coordinate with FDOT to respond to traffic related review comments (No analysis required)
2. Pedestrian Crossing Locations – Due to the availability of signalized intersections at intervals of approximately 1000 feet, it is assumed that no more than two new pedestrian crossings will be considered under the contingency task.

TASK 6 – Quantity Calculations and Opinion of Probable Construction Cost (OPC)

1. Develop appropriate quantity calculations for construction items. Prepare OPC order of magnitude estimates at the major project submittal phases (30%; 50% and 90%) in conjunction with CMAR as may be needed. Estimates will be mainly based on similar costs from other previous phases of CRA projects.

TASK 7 – Environmental Services and Permitting

Assist CRA in preparation of permit applications for the agencies listed below.

1. FDOT – Coordinate permitting with FDOT.
 - Conduct a kickoff meeting with the various departments.
 - Meet to discuss proposed typical sections and pavement design with the District Design Engineer or their representative.
 - Meet with District Lighting and Signal Engineer.
 - Submit plans to FDOT at each of the project submittal phases or as agreed to with FDOT. Meet to review and resolve comments from three major submittal phases.
 - Address FDOT comments from various departments in their Electronic Response to Comments system.
 - Meet to resolve the landscape and bike lane design variances.
2. Broward County Traffic – Coordinate with Broward County traffic regarding signing and pavement marking plans and existing signalized intersections.
3. Meet with Broward County Transit to Coordinate regarding bus stops and their future plans along the corridor. Follow up with a second meeting after receiving FDOT's initial comments.
4. Broward County Environmental Protection and Growth Management Department (BCEPGMD) Surface Water Management License – Coordinate regarding drainage and erosion control.
5. South Florida Water Management District (SFWMD) – Coordinate regarding drainage and erosion control.

6. Florida Department of Environmental Protection (FDEP) - Not anticipated under Phase IV SR A1A SEGMENT but only under Phase IV- E/W Streetscapes.
7. Florida Fish and Wildlife Commission (FWC) - Not anticipated under Phase IV SR A1A but only under Phase IV E/W Streetscapes for side street lighting.

TASK 8 – Utility Coordination Per FDOT Requirements

1. Identify utility agency owner (UAO) contact information and prepare contact sheet. Submit project plans to known UAOs within the corridor to allow them to mark locations of their existing and any proposed facilities. Follow up with UAOs to ensure receipt of information and meet to discuss project. Review submitted information and transfer it into project CAD files. Identify any potential conflicts between proposed trees and light poles and existing underground utilities and meet with owners to resolve conflicts. Request any utility relocation schedules, no conflict letters, etc. to provide FDOT for utility clearance certification. This task will typically require follow up with UAOs throughout the life of the project.

TASK 9 – Public Involvement

1. It is anticipated that the public involvement effort will be a continuation of previous coordination conducted by Consultant as the project will be developed based on previously presented concepts. All meeting invitations and venues will be provided by the CRA. Consultant's effort consists of preparation of PowerPoint presentations, attendance, delivery of presentation and minor updates to previous presentations. It is assumed that 3 staff members will attend each presentation which will include roadway and landscape architect professionals.
2. Attend **12** Meetings (including commission meeting see below for more detail)
3. Prepare two PowerPoint presentations (Public Meetings) for SR A1A and E/W streets with four rounds of updates for a total of and 6 power point presentations for Board meetings for a total of 8 presentations including pdf exhibits and 4 preparation meetings. Hard copy boards of exhibits previously prepared will be provided as needed.
4. Prepare a typical plan view and rendering of FDOT approved cross section including one revision for SR A1A and a typical E/W side street intersection at SR A1A showing paver treatment at the corners. Prepare two alternative renderings for Magnolia Terrace with plan view and typical section including one revision. Additional presentations, public meetings and renderings will be provided as additional services.
5. Provide a monthly progress update report in one specific format provided by the CRA to allow them to post on the CRA website.

TASK 10 - Lighting Analysis

1. Prepare photometrics analysis of SR A1A corridor to determine if pedestrian lighting is needed for sidewalks.
2. Design Plans - provide lighting design and plans for pedestrian lighting on SR A1A based on pedestrian design criteria. Side street lighting is covered under Section II. Pedestrian light poles might not be the same as the E/W poles. They may be a continuity of the A1A corridor poles or a new style of pole to be determined during design process.
3. Provide electrical Design for streetlights by licensed electrical engineer.
4. Provide conduits for police cameras if requested. Conduct three meetings with Police and Fire Department to identify locations. Design of camera system to be done by others.

TASK 11 - Signalization

1. At this stage, it is assumed that there may be a need to redesign the existing pedestrian part of the signals due to ADA ramp reconfiguration but the existing vehicular signal will not be modified. Upon coordination with Broward County and FDOT the scope of the signalization will be confirmed. For now, a budget estimate will be included under the contingency task.

TASK 12 - Drainage Design

1. Document Existing Drainage for FDOT Permit. Compare pre versus post development. Drainage modifications based on FDOT's study recommendations are referenced under Section III (FDOT Tidal Flooding Study) of this scope of services.

TASK 13 - Technical Specifications

1. Prepare roadway technical specifications based on FDOT standard specifications. Hardscape specifications will be in accordance with CRA requirements. CRA will prepare CMAR contract and front-end documents.

TASK 14 - Overhead Line Conversion to Underground Coordination and Plan Integration

1. Incorporate utility conversion plans as a component to the roadway project plans.
2. Coordinate and accommodate proposed underground utilities and above ground cabinets in the roadway design.
3. Conduct field review with CRA and electrical engineer consultant for cabinet locations coordination.
4. Cabinets to be located outside of clear sight areas. Where space is limited, consideration will be made for placement of cabinets on private property with concept sketches depicting proposed locations based on available survey.

TASK 15 – Quality Control and Supervision

Provide quality control reviews of design for each phase including cross referencing between various plan components and subconsultant work. Provide senior supervision of plans development.

TASK 16 - Subconsultants for SR A1A and E/W Streets

1. Subsurface Utility Exploration (SUE) – Coordinate with and review SUE test hole information provided by subconsultant and include in plans. Identify locations of potential conflicts and present to UAOs for resolution.
2. Geotech Services – Coordinate with and review geotechnical report provided by subconsultant and coordinate requirements for proposed pavement design. Pavement design is to match segment north of Hollywood Blvd.

II. PHASE IV : E/W STREETScape, STREET ENDS AND SURF ROAD

Follow the design concept already established by the CRA for side streets, Surf road and street ends. However, the side street CAD drawings provided by the CRA must be redrafted due to new survey information and changes to utilities and parking. Designs will be prepared for all side streets between Harrison Street to Magnolia Terrace except for the Iris Terrace- Jasmine Street loop, which is constructed with the established design. For Magnolia Terrace scope refer to Task 15. Design all street-

ends at select street locations north of Hyacinth Terrace with special landscape / hardscape treatments . The existing parking lot between Azalea Terrace and Jefferson Street connecting Surf Road will remain as is. Designs will include raising the existing lowest points in side street profiles where feasible.

The following tasks will be provided as part of the scope of services.

TASK 1 – Roadway Design

Refer to Section VI at end of this scope of services for a list of all plan sheets.

1. Research – request and review all readily available roadway, maintenance and utility records.
2. Field Observations – Conduct initial field walk and document existing conditions. Conduct another filed visit to verify design and connection to existing conditions.
3. Review City Provided Survey Files – review survey files, field verify and identify missing information.
4. Prepare demolition plans
5. Typical Sections - prepare 4 typical sections for side streets.
6. Pavement Design – Match pavement design from Phase III.
7. Horizontal Alignment Analysis - – Verify horizontal alignment geometry from survey to confirm bearings and right of way geometry. Check design vehicle turning movements. Identify locations of proposed sidewalk, planters, FPL cabinets, etc. Create plan sheets and label roadway features.
8. Design Paving and grading – consider feasible raising of low points in street profiles. Provide grade elevations. Address connections to adjacent private properties.
9. Vertical alignment and Cross Sections Analysis - develop working cross sections from proposed profiles.
10. Driveway Cross Section Analysis – prepare working driveway connection sections
11. Design paving and grading for street-ends
12. ADA Curb Ramps – Design curb ramps at street intersections.
13. Erosion Control Plans – Prepare erosion control plans for permitting.
14. Horizontal Control Reference Sheets – coordinate with surveyors to take survey and information and incorporate into horizontal control sheets including benchmark information
15. Construction Details – Prepare construction details.
16. Right-of-Way Encroachment Analysis – review existing parking and landscape encroachments into public right of way. Label such locations on plans and provide to CRA/ City to coordinate with property owners to remove their encroachments. Use City provided text amendment which defined parking dimensions.
17. Drainage Plans – Prepare drainage plans. Provide drainage structures based on street redesign and connect to existing system.
18. Prepare drainage maps of existing and proposed systems.

TASK 2 – Raised Roadway Profile Analysis

1. Analyze impacts to adjacent properties – harmonization – analyze impacts to private property at tie-in of new construction based on two profile alternatives. Provide required details for harmonization to connect to existing ground.
2. Coordinate with CRA/City and provide them with sketches to acquire permission for restoration. Provide civil engineering design for harmonization of access. Landscape, irrigation, hardscape, structural engineering and or relocation of features on private properties will be addressed as

additional services once the property owner and CRA agree on a solution. Alternatively, the property owner may decide to construct their own improvements.

TASK 3 – Signing and Pavement Marking (SPM) Design and Plans

Review CRA generated signing and marking concept plans. Given that the CRA CAD drawings have to be redrawn over again, prepare accurate SPM plans and to Broward County for their approval.

TASK 4 – Landscape/Hardscape/Irrigation Design for E/W Streets

Conceptual Design

The CRA will provide the concept plans, standard details and specifications for the Consultant to use as a basis for developing construction plans for east-west streets between Harrison and Hyacinth Terrace and associated portions of Surf Road for this task. The design effort for the design of Magnolia Terrace is under Task 15. The design effort for eight street ends east of Surf Road, between Harrison Street and Georgia Streets is described under Task 5. Upon inspection of CRA-provided drawings, it was determined that all the plans must be redrafted due to right of way, utility and parking revisions. The Consultant will prepare plan view designs for the Phase 4 east-west streets and associated portions of Surf Road, limited to the right-of-way of those streets, except for those streets that will require harmonization.

Consultant will meet with CRA to review design concepts for all streets. Based on that meeting prepare refined concept plans and submit for review. Upon acceptance of refined concept plans, Kimley-Horn will prepare permit construction documents.

Permit/Construction Documents

Consultant will prepare the following permit construction documents, in compliance with City of Hollywood Code requirements:

1. **Tree Disposition Plan:** Consultant will use the project tree survey provided by CRA and field observations to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), canopy spread. This plan will tabulate trees to remain, to be removed, and/or to be relocated. Consultant will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations.
2. **Planting plans** for this package will delineate plant material, plant quantities, plant schedules, specifications and project-specific planting details for right-of-way plantings, including code required planting calculations: Trees and understory will be selected to survive the existing environment.
3. **Irrigation plans** designed to provide 100% irrigation coverage for all exterior proposed landscaped areas within the task limits. Kimley-Horn will provide the following irrigation design services, after CRA approval of the 0% landscape plans:
 - o Initial pre-design meeting with CRA and City of Hollywood staff, including Public Works, Arborist, Landscape Plan Reviewer and Public Utilities.
 - o Calculation of irrigation system requirements based on water application per week and water window availability as determined by local municipality and Water Management District.
 - o Water source(s) evaluation for irrigation system and integration options with existing irrigation system, using potable water.
 - o Irrigation mainline and sub-mainline sizing with recommended routing.

- Coordination with roadway plans 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.
 - Ancillary notes, calculations, and labels required to develop a master irrigation system for all proposed planting areas.
 - Electrical connections, panel zones for entire project to be prepared by the project electrical engineer. The electrical plans will depict service locations for irrigation controllers and, if necessary, booster pumps.
4. **Hardscape plans** and details will be developed as scaled, dimensioned plans with material selections, specifications, and construction detailing. Hardscape design elements for this project are limited to:
- Paving treatments – concrete pavers, and/or patterned textured pavement treatments for asphalt will be specified
 - Site furnishings – specification and installation details for benches, seats/ tables, waste receptacles, ash urns, bollards, trellis, or other manufactured outdoor site furnishing elements. Foundation design for these elements will be provided as stipulated in the Structural Design section of this scope.

TASK 5 - Landscape/Hardscape/Irrigation Design for Street ends

The CRA will develop and give the Consultant conceptual designs for all of the street ends, for hardscape, landscape, structures, site furniture. The Consultant will develop the construction drawings for nine street ends between Harrison Street and Jefferson Street, based on the CRA-provided concept drawings. Street ends south of Jefferson Street will only receive minor treatment (due to narrow width and lack of pavement areas), limited to: walkways, and specified site furnishings. Design for minor treatment areas excludes boardwalk dune walkover design and permitting. The intent of the street end paces is to interface with the Boardwalk and/or provide a beach access plaza or pathway.

Design Development

Consultant will prepare CAD design development plans for hardscape, landscape, structures, and site furniture based on the CRA developed concepts, applied to the nine street ends. The following services will be provided:

- Meet initially with CRA Staff to coordinate and review their initial development of design concepts as applied to the nine street ends. The Consultant will provide input during the meeting and schedule a second meeting to follow the Consultant's initial design development drawing production.
- Prepare CAD design development drawings for nine street ends and provide for the second CRA review meeting to finalize the designs.
- After the second meeting is completed and design for the street ends is determined, Consultant will produce the following design development plan package that will be used as a basis for the permit/construction documents:
 - Site plans for each street end
 - Two Cross sections and/or elevations for each street end
 - Draft construction detailing, similar to those provided by the CRA for Phase 3, describing the elements applied to each street end.

- Plant and hardscape palette exhibits prepared in color

Permit/Construction Documents

Consultant will prepare the following permit construction documents, in compliance with City of Hollywood Code requirements:

1. **Tree Disposition Plan:** Consultant will use the project tree survey and field observations to produce a plan that indicates existing tree locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), canopy spread based on provided survey information. This plan will tabulate trees to remain, to be removed, and/or to be relocated. Consultant will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations.
2. **Planting plans** for this package will delineate plant material, plant quantities, plant schedules, specifications and project-specific planting details for right-of-way plantings, including code required planting calculations:
3. **Irrigation plans**, designed to provide 100% irrigation coverage for all exterior proposed landscaped areas within the task limits using potable water. It is assumed that the irrigation systems for the street-ends will tie into the east-west street irrigation systems.
4. **Hardscape plans** and details will be developed as scaled, dimensioned plans with material selections, specifications, and construction detailing. It is assumed that hardscape details from the Phase III project for the already-selected drinking fountain, bollard, bike rack and tree grate will be reviewed, checked and adopted. Other details must be developed for typical street condition. Hardscape design elements for this project are limited to:
 - Paving treatments – colored/stamped concrete, concrete pavers, and/or patterned textured pavement treatments for asphalt will be specified.
 - Seat walls, raised planters – sections, elevations, and finishes selected, as well as foundation design as required by code.
 - Site furnishings – specification and installation details for benches, seats/ tables, waste receptacles, ash urns, bollards, trellis, or other manufactured outdoor site furnishing elements. Foundation design for these elements will be provided, as stipulated in the Structural Design section of this scope.
 - Street lighting is addressed in Task 13 below.

TASK 6 - Structural Design

1. Structural design to be provided as per conceptual street end design similar in scope to Phase III design.

TASK 7 - Traffic Engineering -

1. Consider two alternative parking layouts for street ends. E/W street layout will follow CRA concept plans.

TASK 8 - Environmental Services and Permitting

Consultant to submit required permit applications as shown below

1. Broward County Traffic

2. Broward County Environmental Protection and Growth Management Department (BCEPGMD) Surface Water Management License
3. South Florida Water Management District (SFWMD)
4. Florida Department of Environmental Protection (FDEP) CCCL permit
5. Florida Fish and Wildlife Commission (FWC)
6. FDOT Traffic Signal Coordination
7. City of Hollywood Building Department

TASK 9 - Utility Coordination

Provide utility coordination with utility agency owners (UAOs) and submit progress plans to them.

TASK 10 - Specifications Notes Sheets

Review CRA specification notes from Phase 3 and modify as needed. for EW streets surf road and street ends

TASK 11 - Storm Water Management Design - Phase IV E/W Streets, Surf Road and Street ends

1. Drainage Design Modifications - provide drainage design for proposed paving and grading design and connect to existing drainage system. Implementation of recommendations by FDOT is covered under Section III.

TASK 12 - Quantity Calculations and Opinion of Probable Construction Cost (OPC) Phase IV E/W Streets

Develop appropriate quantity calculations for construction items. Prepare OPC order of magnitude estimates at the major project submittal phases (30%; 50% and 90%) in conjunction with CMAR as may be needed. Estimates will be mainly based on similar costs from other previous phases of CRA projects.

TASK 13 - Street Lighting

CRA will select light fixture and provide pole specifications to Consultant. It is assumed that CRA would have already gained consensus on the light fixture prior to design. Consultant to assist CRA in permitting and coordination with FWC. Confirm lighting criteria with the CRA for this City of Hollywood maintained this lighting.

2. Prepare photometrics analysis for E/W streets and street ends.
3. Design Plans - provide lighting design and plans.
4. Provide electrical Design for streetlights.

TASK 14 - Overhead line conversion to underground coordination and plan integration

1. Incorporate utility conversion plans as a component to the roadway project plans.
2. Coordinate and accommodate proposed underground utilities and above ground cabinets in the roadway design.
3. Conduct field review with CRA and electrical engineer to identify cabinet locations.

TASK 15 – Magnolia Terrace and Parking Lot Design

The Consultant will prepare two to three initial concepts for Magnolia Terrace, incorporating the interface with Keating Park pedestrian and maintenance access. Two meetings to present and discuss Magnolia Terrace will coincide with meetings to discuss the street ends in Task 5.

After receiving input from the initial concepts, the Consultant will prepare one final concept to receive concurrence of the concept from the CRA before proceeding to the preparation of design development plans.

The Consultant will perform the following as part of this task:

1. Prepare three initial concept plans for Magnolia Terrace and the adjacent parking lot from SR A1A to the east limit of the existing street/parking lot (not including Keating Park).
2. Prepare a typical section for each of the three concepts of Magnolia Terrace.
3. Present the initial concepts to CRA for review, incorporate initial comments and revise selected alternative into one final concept.
4. Prepare one photosimulation image of the parking lot, using a CRA-selected background image (this task will be covered under the contingency task)
5. Present final concept, updated section, to CRA. Final concept will be prepared with preliminary plant palette and preliminary hardscape design and palette for input prior to proceeding with construction documents. Prepare the following construction documents:
 - a. Prepare tree disposition plan, planting plans, irrigation plans, and hardscape plans
 - b. Prepare roadway paving and grading plans for street and parking lot
 - c. Prepare drainage plans
 - d. Prepare signing and pavement marking plans
 - e. Prepare landscape and hardscape plans construction documents
 - f. Prepare plan view exhibits for public meeting
 - g. provide drainage permitting
 - h. Prepare lighting design and permitting for parking lot and street

III. FDOT TIDAL FLOODING STUDY

TASK 1 - Consultant will coordinate with CRA to determine feasible recommendations provided by FDOT study for the E/W streets from Harrison Street to Magnolia Terrace between SR A1A and the Boardwalk and modifications to SR A1A drainage system. FDOT study is currently underway and recommendations are anticipated in the summer of 2020. Proposed improvements will be coordinated and permitted from the following agencies

1. Broward County Environmental Protection and Growth Management Department (BCEPGMD) Surface Water Management License
2. South Florida Water Management District (SFWMD)
3. Florida Department of Environmental Protection (FDEP)
4. U.S. Army Corps. Of Engineers

A budget allowance for this task is an estimate that will be re-evaluated once FDOT study recommendations are available and a specific scope is determined. This task will be completed under a separate authorization.

IV. CMAR Coordination

1. Coordinate and conduct an initial meeting with CRA regarding CMAR selection.
2. Upon selection of CMAR, coordinate and conduct 6 monthly meetings to consider CMAR input in design.
3. During the CMAR's bidding with subcontractors, respond to requests for information (RFIs) to assist them in developing their GMP.

V. CONTINGENCY

Budget under this Contingency will be used for items that are not included in the scope of services but may come up during design, permitting, public outreach process or CRA Board request. The fee budget allowance established is an estimate, but detailed scope will be determined when the task is clearly identified.

TASK 1 – Pedestrian Crossing Analysis

This task assumes that two new pedestrian crossings may be required during the design process. Since crossings do not currently exist, the analysis will be based on qualitative rather than quantitative criteria. The budget allowance for this task assumes preparation of an engineering report memorandum similar to the previous phase of SR A1A, several meetings with FDOT, Client and attendance at four of the public meetings. This task assumes that crossings will be unsignalized.

TASK 2 – Signal Modification

At this stage, it is assumed that there may be a need to redesign the existing pedestrian part of the signals at four side street crossings due to ADA ramp reconfiguration. It is assumed that the existing main, vehicular signals will not be modified. Upon coordination with Broward County and FDOT the scope of the signalization will be confirmed. For now, a fee budget allowance will be included under the contingency task.

TASK 3 – Private Property Harmonization

With the intent of raising side street profiles at the low points, harmonization to connect to adjacent private property will be required. The number and type of harmonization for private properties will be determined during design. The fee budget allowance for this task is an estimate. Specific fees will be determined during design once the scope of the work has been specified.

TASK 4 – Additional Exhibits and Analysis

This fee budget is an allowance for preparation of additional exhibits and or analysis that may be required to address requests from the public or City officials that are not included in the basic scope of services.

Reimbursable Allowance

A budget allowance is estimated for reimbursable items including reproduction costs for prints and mileage. One copy of large format prints up to size 24x36 will be provided for each major submittal phase and billed at \$2.50 per sheet. Additional copies of 11X17 sheet size will be provided as needed. Colored exhibits on foam core board will be provided at cost. Consultant will provide pdf files to Client to allow them to reproduce additional large format size prints. Mileage will billed at \$0.58 per mile or at IRS rate.

VI. GENERAL REQUIREMENTS FOR WORK

The standard project phase submittal will include an additional phase for CMAR GMP / permitting phase. Phase IV SR A1A segment and Phase IV (E/W Streetscape Segment) will have different timelines as E/W streets may be expedited ahead of SR A1A. However, the phasing below will generally work for both phases.

Consultant will adhere to a mutually agreed upon schedule. Due to the everchanging circumstances surrounding the COVID-19 Virus, situations may arise during the performance of this Agreement that affect availability of resources and staff of Kimley-Horn, the client, other consultants, and public agencies. There could be changes in anticipated delivery times, jurisdictional approvals, and project costs. Kimley-Horn will exercise reasonable efforts to overcome the challenges presented by current circumstances, but Kimley-Horn will not be liable to Client for any delays, expenses, losses, or damages of any kind arising out of the impact of the COVID-19 Virus."

Schematic Design:

Concept Development Phase - A1A Segment 3 months, E/W Streetscapes 2 months

- Kick-off meeting
- Submit draft typical sections for CRA approvals
- Prepare renderings
- Address CRA comments regarding typical sections including one meeting
- Kick-off meeting with FDOT
- Submit approved typical sections and preliminary layout to FDOT for approval
- Address FDOT comments including one meeting
- Design variation for lane widths
- Submit plant palette for CRA approval
- Address CRA comments and submit for FDOT approval
- Refine plant palette
- Lighting Analysis
- Sightlines Analysis and Landscape Variance

Design Development:

30% Submittal Phase – A1A 4 months, E/W 3 months

30% Plan Submittal to CRA

- Attend meeting with various internal City departments
- Address CRA comments and submit to FDOT
- Address FDOT ERC Comments
- Progress Public Meeting
- Address public comments

Construction Documents:

50% Submittal Phase - A1A 3 months, E/W 3 months

- 50% Plan Submittal to CRA
- Address CRA comments and submit to FDOT
- Address FDOT ERC Comments
- Broward County Signing and Marking Submittal for Side streets

90% GMP and Permits Submittal - A1A 3 months, E/W 2 months

- Release to CMAR for GMP
- Submit to permit agencies

100% Submittal Phase - A1A 12 months, E/W 4 months to get final approvals from all agencies

- Address Permit Package comments
- 100% Plan Submittal to CRA
- Address CRA comments and submit to FDOT
- Address FDOT ERC Comments
- Progress Public Meeting

CMAR Coordination and assistance during bidding

- Coordination and meetings with CRA regarding CMAR selection
- Coordination and meetings with selected CMAR during design
- Coordination and respond to questions from CMAR during their bidding

Plan sheet list for Phase IV SR A1A SEGMENT**Roadway**

- Key sheet (1)
- Summary of quantities (1)
- Existing Conditions (up to 17 sheets at scale 1=40 half size 11x17)
- Demolition (up to 17 sheets)
- Drainage Maps (3)- Existing and proposed
- Typical sections (2) – Broward County Communication systems note
- Typical section details (2)
- General notes (2)
- Pay item notes (1)
- Project layout (1)
- Plan sheets (17)
- Special details (3)
- Temporary traffic control plan sheets (4)
- Utility Verification sheet (SUE) (1)
- Project control sheets (Horizontal, vertical) (3)
- Erosion control plans (up to 17)
- Stormwater pollution prevention plans (SWPPP) (3)

Signing and pavement marking

- Key sheet (1)
- Summary of quantities (1)
- General notes (1)
- Plan sheets (17)
- Sign Details (2)

Street Lighting

- Key sheet (1)
- Summary of quantities (2)
- General notes (1)
- Special Details (2)
- Plan sheets (17)

Landscape/Hardscape/Irrigation

- Key sheet (1)
- Summary of quantities (3)
- General notes / plan specifications (3)
- Plan sheets (51)
- Detail sheets (10)

Plan sheet list for Phase IV East-West Streets, Surf Road, Street ends**Roadway**

- Key sheet (1)
- Summary of quantities
- Existing Conditions (up to 7)
- Demolition (7)
- Drainage Maps (4) Existing and proposed
- Typical sections (3)
- Typical section details (2)

General notes (2)	
Pay item notes (1)	
Project layout (1)	
Plan sheets (7)	
Special details (3)	
Temporary traffic control plan sheets (4)	
Utility Verification sheet (SUE) (1)	
Project control sheets (Horizontal, vertical) (3)	
Erosion control plans (7)	
Stormwater pollution prevention plans (SWPPP) (3)	
Signing and pavement marking	
Key sheet (1)	
Summary of quantities (1)	
General notes (1)	
Plan sheets (7)	
Street Lighting	
Key sheet (1)	
Summary of quantities (2)	
General notes (1)	
Special Details (2)	
Plan sheets (7)	
Landscape/Hardscape/Irrigation	
Key sheet (1)	
Summary of quantities (3)	
General notes / plan specifications (3)	
Plan sheets (21)	
Detail sheets (11)	

Fees and Expenses

Consultant will perform the services in Tasks xxx through xxx for the total lump sum fee below. Individual task amounts are information only and Consultant has the right to reallocate budgets between tasks.

I. PHASE IV - SR-A1A, PM, Public Involvement \$1,298,374

II. PHASE IV - EAST-WEST SIDE STREETS, STREET ENDS AND SURF ROAD

E/W Streets and Surf Road	\$921,269
Street Ends	\$173,470
Magnolia Terrace and Parking Lot	\$93,428

III. FDOT TIDAL FLOODING STUDY ALLOWANCE (under separate authorization)

IV. CMAR COORDINATION	\$28,120
V. CONTINGENCY ALLOWANCE	\$220,564
SUBCONSULTANTS ALLOWANCE	
Subsurface Utility Exploration and Geotechnical Allowance	\$110,000
REIMBURSABLE ALLOWANCE	\$24,865
TOTAL CONTRACT	\$2,870,090

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**CITY OF HOLLYWOOD
COMMUNITY REDEVELOPMENT AGENCY
INTEROFFICE MEMORANDUM**

TO: Mayor and Commissioners **DATE:** May 26, 2020

FROM: Douglas R. Gonzales, General Counsel

SUBJECT: Agreement with Kimley-Horn and Associates, Inc. for Professional Services for Phase IV and SR A1A – Undergrounding of Overhead Utilities and E/W Streetscape Beautification South of Hollywood Boulevard to the Southern Boundary of the City

I have reviewed the above referenced Agreement with the participating Department/Office(s), and the proposed general business terms and other significant provisions are as follows:

- 1) Department/Division involved – Beach CRA
- 2) Type of Agreement – Agreement for professional services
- 3) Method of Procurement (RFP, bid, etc.) – RFQ
- 4) Term of Contract:
 - a) initial – 25 mths.
 - b) renewals (if any) –
 - c) who exercises option to renew –
- 5) Contract Amount – Not to exceed \$2,870,090
- 6) Termination Rights – City can terminate for convenience.
- 7) Indemnity/Insurance Requirements – Consultant will indemnify City and provide insurance.
- 8) Scope of Services – In connection with the project described in the title above, Consultant will provide professional services including, but not limited to, demolition, paving, grading, hardscape, landscape, irrigation, drainage, lighting, undergrounding and permitting...
- 9) Other Significant Provisions: None

cc: Dr. Wazir Ishmael, City Manager

AGENDA ITEMS VOTING SHEET

Chair Levy	✓
Board Member Shuham	✓
Board Member Hernandez	✓
Board Member Callari	✓
Board Member Blattner	✓
Vice Chair Biederman	✓
Board Member Sherwood	✓