

#### ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

1425 W Cypress Creek Road, Suite 101 • Fort Lauderdale, FL 33309 • Phone 954-776-1616

### Last Mile Amenities - LAP Project Support

#### **SCOPE OF SERVICES**

#### **GENERAL OBJECTIVE**

The general objective is for the CONSULTANT to provide all design, analysis and engineering support services necessary to assist City Staff to prepare a final set of construction plans and specifications for the installation of the Last Mile amenities as per the attached list.

#### This includes:

- 1. Plan preparation for the installation of amenities on 47 locations as per the attached list.
- 2. Coordinate with the City's Environmental Consultant to provide the necessary information for each location needed to meet the NEPA Requirements.
- 3. Provide survey information for 16 locations. (See description attached "survey scope")
- 4. Coordinate with City on any FDOT requirements revision
- 5. Provide certification letter to the City as required by FDOT LAP program
- Prepare preliminary cost estimate and assist the City on preparing final Construction Bid documents.
- 7. Prepare Tabulation sheet for bus stop locations to install only flag-light and sign maps on an existing pole
- 8. R/W line will be based on public records and information provided by the City of Key West

#### Exclude:

- 1. Environmental evaluation or permits.
- 2. Obtain permits from property owners for amenities installation.

Fee for Design Services (Lump Sum)	\$122,325.00	
Fee for Survey Services (Lump Sum)	<u>\$12,850.00</u>	
Total Fee	\$135,175.00	
(See attached fee estimate)		
Consultant:	City of Key West:	
C. Byan Wila Date: 3/16/2021	Date:	

C. Bryan Wilson, PE

Practice Leader – Transportation

# City of Key West Bus Stop Survey Scope 03/11/21

## 1.01Topographic Survey

KCI shall prepare a topographic survey of the sixteen (16) bus stop locations as shown in Exhibit "A". Services include the location of above ground permanent improvements such as bus shelters, asphalt, concrete, fences, and surface features of utilities. Limits will be from the adjacent edged of pavement at each bus stop location to approximately five (5) feet beyond the right of way, extending twenty-five (25) feet up and down station from the bus stop location. Wetland areas (delineated by others) shall be located if present at time of field survey and depicted on the survey.

Elevations shall be obtained throughout the site on an approximate ten (10) foot grid, with intermediate highs and lows also obtained. As-Builts of gravity utility lines (storm, sanitary sewer) will NOT be included in these services. Elevations shall be relative to the North American Vertical Datum of 1988 (NAVD '88); being established by global positioning system (GPS) - real time kinematic (RTK) methods using the Florida Department of Transportation (FDOT), Florida permanent reference network (FPRN), applying the Geoid l2b model; with an absolute accuracy of +/- 0.5 feet.

Establishment of right of way limits will NOT be obtained.

Deliverables shall consist of a 2020 Civil 3D AutoCAD file relative to Florida State Plane coordinate system, zone: Florida East, North American Datum of 1983, with a 2011 adjustment.

All survey work shall be performed in accordance with the Standards of Practice as set forth by the Board of Surveyors and Mappers pursuant to Rule 5J-17 of the Florida Administrative Code, pursuant to Section 472.027 Florida Statutes.

KCI's Lump Sum Fee for this service shall be......\$12,850.00

Submitted via em on 03/11/21 to Alfredo Reyna & Bryan Wilson - BBH

# **EXHIBIT A**

Х	We have the information	1					No Ap	olicable					1		_	Plans preparation (K)	47
	Survey Needed	1				??		uct 4" sla	ab. unkn	ow SY			1			KCI TECHNOLOGIES (r) Drop (D)	1
	Some Information missing	1				text	_	City resp					1	K	СI	ENGINEERS   PLANNERS   SCIENTISTS   CONSTRUCTION MANAGERS   Flag (F)	1
		1						,					1			Bus Stop Info Sign only (s)	
Category	Name	Coordinates	WW	Key	Jurisdiction	New Racks for # of Bikes	Lockers need for # of Bikes	Water Fountain	Fixits	Flag	Bus Stope Information	City has information	R/W	Survey	new concrete	Comment / questions Locations needing Survey 16	
Bus Stops in Key West	20) College of the Florida Keys	81.7437672,24 .581599,0	5	Stock Island	Key West	10		0	0	C	)	1	x	s	??	Need survey to measure the swale locations and slop. City to verify locations for the lockers.  Need final definition of the location It is the same location for fixit location 75 Location is next to the bus stop or on the parking lot	,
Bus Stops on US1	27) SI: US1 & 3rd	81.738448,24. 5741064,0	5	Stock Island	Monroe	4	. 4	. 0	0	1		1	x	s	??	We need survey or local dimensions. There are about 5 racks we will replace them or add new ones. Same as location 76. Where to get the water supply. (FDOT map 90020RWDETL SHEET 012 OF 138.pdf) can we get as-build	K
Bus Stops on US1	33) Bay Pt: Baby's Coffee	81.5932108,24 .6289406,0	15	Bay Point	Monroe	10	) 2	. 0	0	(	)	1	x	s	??	Need the electronic files for improvements proposed or detail survey (FDOT RW map 90020RWDETL SHEET 047 OF 138.pdf)	
Bus Stops on US1	34) Bay Pt: Baby's opposite	81.5925296,24 .6295257,0	15	Bay Point	Monroe	2	2 (	0	0	1		1	x	s	??	Location in Clear Zone, need detail survey and R/W (FDOT R/W map 90020RWDETL SHEET 047 OF 138.pdf)	,
Bus Stops on US1	37) SUG: SugLodge	81.565903,24. 645793,0	17	' Sugarloaf	Monroe	10	) 4	0	0	C	)	1	x	s	??	Detail survey required. FDOT As Builds and R/W. Well need to check for utilities (FDOT R/W map 90020RWDETL SHEET 055 OF 138.pdf)	
Bus Stops on US1	39) CUD: Evies Subs	81.4777979,24 .663185,0	23	Cudjoe	Monroe	6	5 2	. 0	0	C	)	1	x	s	??	Need R/W map FDOT page 76 and 77 of 138 and details survey Bus Stop may be outside FDOT R/W	
Bus Stops on US1	41) SUM: Dions before	81.4436484,24 .6612088,0	25	Summerland	Monroe	2	2 (	0	0	1		1	x	s	??	Bus Stop Location no marked. City to determine if we will drop this- location. We will need a full survey (R/W FDOT maps 90020RWDETL SHEET 084 OF 138.pdf)	
Bus Stops on US1	42) SUM: Dions opposite	81.4425824,24 .661299,0	25	Summerland	Monroe	4		0	0	C		1	x	s	??	Need Survey due to elevations or the detail as-build plans. (R/W FDOT maps 90020RWDETL SHEET 084 OF 138.pdf)	
Bus Stops on US1	43) RAM: FKAA mm27	81.4114198,24 .6611394,0	27	Ramrod	Monroe	4		0	0	1		1	x	s	??	Can be move North-east. In from of FKAA property need R/W if not we can install the racks south of the FKOHT path. We will need a survey (R/W FDOT map 90020RWDETL SHEET 091 OF 138.pdf)	
Bus Stops on US1	47) BPK: CVS	81.35779,24.6 69716,0	30	Big Pine Key	Monroe	6	5 4	0	0	1		1	x	s	??	Location has Bike racks, we need local dimensions (R/W FDOT Map 90020RWDETL SHEET 103 OF 138.pdf)	
Bus Stops on US1	48) BPK: NAPA	81.3576262,24 .6695658,0	30	Big Pine Key	Monroe	6	5 2	. 0	0	C	)	1	x	s	??	Replace wave Racks? local dimensions (R/W FDOT Map 90020RWDETL SHEET 103 OF 138.pdf)	
Bus Stops on US1	49) BPK: Dions	81.3486424,24 .6696317,0	31	Big Pine Key	Monroe	6	6 0	0	0	(	)	x	x	s	??	Local dimensions (R/W FDOT map 90020RWDETL SHEET 105 OF 138.pdf) (big pine Pages from FDOT MM30 to MM40100% Construction Plans_reduced size1-2.pdf) if we can take some dimension at this locations. Location next to location 50 use the seme survey for both locations	
Bus Stops on US1	50) BPK: Chamber/Industrial	81.3481232,24 .669444,0	31	Big Pine Key	Monroe	6	6 (	0	0	C	)	x	х	s	??	Detail Survey. Conflict with trees (big pine Pages from FDOT MM30 to MM40100% Construction Plans_reduced size1-2.pdf) (R/W FDOT map 90020RWDETL SHEET 105 OF 138.pdf)	
Bus Stops on US1	52) MARA: Govt Center	81.0982254,24 .710333,0	48	Marathon	Marathon	4	4	0	0	1		1	x	s	??	No Bus Stop sign, need survey (R/W FDOT map 90040RWDETL SHEET 15 OF 51)	
Bus Stops on US1	54) MARA: FHP/School	81.0934846,24 .7115456,0	49	Marathon	Marathon	4	. 2	0	0	C	)	1	x	s	??	Need full survey (R/W FDOT map 90040RWDETL SHEET 16 OF 51.pdf)	
Bus Stops on US1	55) MARA: FKAA	81.0915102,24 .7119382,0	49	Marathon	Marathon	4		0	0	1		1	x	s	??	Need full survey (R/W FDOT map 90040RWDETL SHEET 16 OF 51.pdf)	,

8:17 AM 3/9/2021