
**WORK AUTHORIZATION PURSUANT TO THE AGREEMENT FOR
PROFESSIONAL SERVICES BETWEEN
THE CITY OF POMPANO BEACH
AND KEITH AND ASSOCIATES, INC.**

DATE: June 27, 2016

WORK AUTHORIZATION NO. # 03

PROJECT NO. 07020. M0 (K&A)

TITLE: MLK Blvd. (Educational Corridor)

Compensation

Consultant shall invoice the City for services rendered under this Agreement on a lump sum/time and material basis and in accordance with the terms and conditions of the Agreement for Professional Services between the City of Pompano Beach and Keith and Associates, Inc., dated November 2, 2015 and approved by City Ordinance #2016-19.

SCOPE OF SERVICES

Task 001 Revisions to Medians – Initial Redesign Exhibits

CONSULTANT shall prepare initial exhibits for meetings with City, County and Turnpike representatives to address concerns by property owners and Broward County Highway Construction and Engineering Division (BCHCED) on limiting access along the corridor caused by the installation of the approved proposed medians designed in accordance with the original approved Access Management Plan prepared by Calvin, Giordano & Associates, Inc.

Based on the results of these meetings and discussion on the initial exhibits, the CONSULTANT shall redesign median openings along the corridor in accordance with the revised Access Management Plan prepared by Calvin, Giordano & Associates, Inc., including (but not limited to):

- Evaluate passenger car "U-Turn" turning movements starting at the median "bullnose" at the intersections of MLK Boulevard and NW 24th Avenue, NW 26th Avenue, NW 27th Avenue and Powerline Road. The CONSULTANT shall prepare additional exhibits to accommodate these "U-turns" as requested, outline of issues (including conflict with bus stops, drainage impacts) and prepare cost estimate for additional improvements.
- The CONSULTANT shall coordinate with Calvin, Giordano & Associates, Inc. in their evaluation and possible update of the Access Management Plan to include a median opening between NW 27 Avenue

and NW 31 Avenue. The objective is to create left turn access to existing businesses in this segment of the corridor.

As part of these services the CONSULTANT will attend up to four (4) coordination meetings and assist the City in resolving the County's concerns. This accounts for three (3) meetings that have already occurred; one more is anticipated with the City and County.

Duty Code	Personnel (Title)	Total Hours	Labor Rate	Labor Costs
11	CADD Technician	61	\$80.00	\$4,880.00
51	Senior Project Engineer	41	\$115.00	\$4,715.00
52	Professional Engineer	19	\$125.00	\$2,375.00

The Estimated Not to Exceed Fee for this Task is.....\$11,970.00

Task 002 Revisions to Medians – Roadway Plan Revisions

The Roadway Design Plan Revisions will consist of revisions to:

- Roadway Layout Plans
- Paving/Grading and Drainage Plans
- Pavement Marking and Signage Plans
- Construction Details

The drainage system revisions associated with these roadway plan revisions (including the additional impervious areas) are anticipated to consist of adding deeper swales and possibly adding additional segments of exfiltration trenches in key locations.

As part of these services the CONSULTANT will attend up to three (3) coordination meetings and assist the City in resolving the County's concerns.

Duty Code	Personnel (Title)	Total Hours	Labor Rate	Labor Costs
11	CADD Technician	68	\$80.00	\$5,440.00
51	Senior Project Engineer	44	\$115.00	\$5,060.00
52	Professional Engineer	24	\$125.00	\$3,000.00

The Estimated Not to Exceed Fee for this Task is.....\$13,500.00

Task 003 Revisions to Medians – Agency Plan Approvals and Re-Permitting

The CONSULTANT shall meet with all agencies having jurisdiction over the project as required to facilitate revised plan approvals and/or re-permitting. The CONSULTANT shall prepare and submit the permit applications for these plan revisions and process them through the following regulatory agencies:

- City of Pompano Beach (Engineering and Utilities Departments)
- Broward County Environmental Protection and Growth Management Department (BCEPGMD), Paving Grading and Drainage major permit revision.
- Broward County Highway Construction and Engineering Division (BCHCED), overall revised plan approval.
- Broward County Traffic & Engineering Dept. (BCTED), Pavement Marking/Signage revised plan approval.

- Florida Turnpike, revised plan approval.
- Florida Department of Transportation (FDOT), LAP revised plan approval.

Duty Code	Personnel (Title)	Total Hours	Labor Rate	Labor Costs
11	CADD Technician	24	\$80.00	\$1,920.00
51	Senior Project Engineer	42	\$115.00	\$4,830.00
52	Professional Engineer	22	\$125.00	\$2,750.00

The Estimated Not to Exceed Fee for this Task is.....\$9,500.00

Task 004 Limited Construction Coordination Services Required As Roadway Design Engineer

Although the construction of these improvements are anticipated to be completed by the City's selected contractor (Weekly Asphalt, Inc.) and monitored closely by the CEI in conjunction with the on-going construction of MLK Blvd., it is anticipated that the CONSULTANT shall provide additional limited construction services associated specifically with these additional improvements in conjunction with the construction services as identified in the previous Master Agreement.

Duty Code	Personnel (Title)	Total Hours	Labor Rate	Labor Costs
51	Senior Project Engineer	65	\$115.00	\$7,475.00
52	Professional Engineer	18	\$125.00	\$2,250.00

The Estimated Not to Exceed Fee for this Task is\$9,725.00

Based on recent information received from CGI, this Contract Addendum was revised to include additional SUE and Surveying required by CGI in order for them to design the signalization improvements.

Task 005: Additional Utility Designation and Locating Services – Future Signal at NW 27th Ave.

The CONSULTANT will follow ASCE Standard 38-02 – "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data" during the field and office operations for this project. The quality levels discussed below are defined within the standard. CONSULTANT is to provide professional services associated with designation and location of specific utilities at specific sites requested by the design engineer.

HORIZONTAL DESIGNATION & MAPPING SERVICES - (Quality Level 'B')

1. Coordinate all fieldwork with the CLIENT.
2. Horizontally designate the specific utilities (provide horizontal alignment of the detectable subsurface utilities as determined from the surface).
3. Mark on the surface, the approximate horizontal location of the facility.

VACUUM EXCAVATION SERVICES - (Quality Level 'A') (expose and record horizontal and vertical data)

1. Coordinate all fieldwork with the CLIENT.
2. Notify the Sunshine One-Call system in accordance with State Law.
3. Based on the horizontal designation performed above, provide vacuum excavation services at areas selected by CLIENT, to expose and confirm the facility and to provide accurate horizontal and vertical data (a test hole): a) neatly cut and remove any sod, asphalt or concrete surface at the selected locations, b) use vacuum excavation techniques to safely expose the facility, c) measure and record the depth to the top of the facility, d) backfill the test hole with native soil, compact in lifts and provide a

restoration of the surface. Compaction will be performed with a hand held tamper; density tests will not be taken. Review the Technical Limitations section that follows for additional information about the process and limitations of this service.

4. Install an identifiable above ground marker at each test hole location. Field markers will consist of a nail and disk in asphalt, or iron rod and cap with survey stake in grassed areas. The test hole number and utility will be identified on the ground or on the stake, as appropriate.
5. Prepare and provide CLIENT a report of the applicable test hole test hole summary report depicting the depth, direction, elevation, northing, easting, approximate size and type of each utility found.

Mapping Services -

1. Map the utility test holes, utilizing conventional (Total Station) and/or GPS surveying equipment.
2. Create a CAD file from information collected in the field.

Personnel (Title)	Rate	Total	Labor Rate	Labor Costs
Horizontal Designation/GPR	Daily	1	\$1,600.00	\$1,600.00
Vacuum Excavations (Test Hole)	Each	16	\$350.00	\$5,600.00
Office Support	LS		\$500.00	\$500.00
MOT	LS		\$450.00	\$450.00
Mapping	Daily	1	\$850.00	\$850.00
Office Support	LS		\$400.00	\$400.00

The Estimated fee for this task shall be.....\$9,400.00

(Prior to the performance of the test holes; Keith and Associates will coordinate with Calvin, Giordano & Associates, Inc. (signalization designer) regarding specific locations for the test holes).

Task 006: Additional Surveying Services – Future Signal at NW 27th Ave.

The CONSULTANT shall provide a topographic design survey of the entire area bounded by the outer most Point of Tangent (PT/PC) of the intersection return radius for each leg plus a distance of 50 feet on the east and west approaches and 20 feet on the north and south approaches. The topographic design survey will consist of preparing a 3D surface model of the completed roadway (or at least once the roadside improvements currently underway are complete).

It is anticipated that preliminary signalization design plans will be prepared utilizing available proposed/existing grade information.

Prior to the preparation of this topographic design survey, Keith and Associates will coordinate with Calvin, Giordano & Associates, Inc. (signalization designer).

Duty Code	Personnel (Title)	Total Hours	Labor Rate	Labor Costs
79	Senior Project Surveyor	9	\$100.00	\$990.00
80	Professional Surveyor & Mapper	5	\$120.00	\$600.00
82	Survey Party (3) Person	17	\$130.00	\$2,210.00

The Estimated fee for this task shall be.....\$3,800.00

CONSULTANT'S TOTAL ESTIMATED FEE.....\$57,895.00

Schedule

Subsequent to the execution of this Agreement, the Consultant shall commence work on the project. We anticipate completing the services and tasks included in this agreement within (2) weeks from the fully executed Agreement.

City's Responsibility

The City shall assist Consultant with the following items in order to expedite the completion of the project in an effective manner.

- A. Designate a representative(s) who shall have the authority to transmit instruction, receive information and enunciate policies and decisions.
- B. Provide access to and obtain permission for Consultant to enter upon public lands as required at no additional cost to perform surveys, observations, or other necessary services under this Agreement.
- C. Make available to Consultant all of its existing information which may in any way be pertinent to the project.

Additional Services

Consultant shall not perform any additional services without the written consent of the City. Services performed beyond the Scope of Services described above shall be considered additional services and will be presented to the City as an Addendum to this Agreement prior to initiating the work. Additional services shall be invoiced on a time and material basis in accordance with our current Professional Service Fee Schedule or on a lump sum basis if a scope of service can be defined.

**EXHIBIT A
PROFESSIONAL SERVICE FEE SCHEDULE**

	Hourly Rate
01 Administrative Assistant.....	\$50.00
15 Technician	\$70.00
16 CAD Technician.....	\$80.00
30 Associate Planner.....	\$85.00
31 Associate Planner.....	\$95.00
32 Senior Planner (AICP)	\$95.00
33 Landscape Designer	\$80.00
34 Senior Landscape Designer.....	\$100.00
35 Landscape Architect (RLA)	\$110.00
36 ISA Certified Arborist	\$110.00
50 Project Engineer	\$100.00
51 Senior Project Engineer	\$105.00
52 Professional Engineer (PE).....	\$115.00
53 Senior Professional Engineer (PE).....	\$120.00
54 Field Inspector / Representative.....	\$90.00
54 Senior Inspector.....	\$95.00
60 Project Manager	\$125.00
70 Principal.....	\$0.00
72 Expert Witness Testimony	\$300.00
77 GIS Specialist	\$100.00
78 Project Surveyor	\$95.00
79 Senior Project Surveyor	\$105.00
80 Professional Surveyor & Mapper (PSM).....	\$115.00
81 Survey Party (2) person	\$110.00
82 Survey Party (3) person	\$125.00

Effective 08/01/07

EXHIBIT B

<u>Direct Expenses</u>	<u>Cost per Unit</u>
Photographic Copies	
Color Copies	
a) 8.5" x 11"	\$ 1.00
b) 8.5" x 14 or 11"x 17"	\$ 2.00
c) 24"x 36"	\$18.00
Black & White Copies	
a) Any Size up to 11"x17"	\$ 0.15
b) 24"x 36" Blackline	\$ 2.00
c) 30" x 42" Blackline	\$ 2.00
d) 24"x 36" Mylar	\$15.00
Laminating/Transparency Film Covers	\$ 2.00
Display Boards	
Mounted (Foam) 30"x 40"	\$42.00
Mounted (Foam) 40"x 60" and larger	\$70.00
3 Ring Binders 1"	\$ 1.00
Dividers (Tabs) Set of 10	\$ 0.80
Acco/GBC Binding	\$ 1.50
Facsimiles	\$ 2.00
Overnight Packages	per service
Courier & Delivery Services	per service
Postage: 1 st Class	Current US Postal rate

Effective 08/01/07

CONSULTANT:

Witnesses:

J. Mann - SANDRA BRAVO

Att - Laura Puentes

KEITH AND ASSOCIATES, INC.

By: 

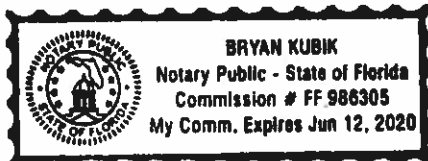
A. Dodie Keith-Lazowick
President

301 East Atlantic Blvd.
Pompano Beach, FL 33060

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this 19th day of July, 2016 by A. DODIE KEITH-LAZOWICK President of Keith and Associates, Inc., a Florida corporation, on behalf of the corporation and who is personally known to me.

NOTARY'S SEAL:




NOTARY PUBLIC STATE OF FLORIDA
(Signature of Notary Taking Acknowledgement)

Bryan Kubik
(Name of Acknowledger Typed, Printed or Stamped)

FF 986305
Commission Number

"CITY":

Witnesses:

CITY OF POMPANO BEACH

By: _____
LAMAR FISHER, MAYOR

By: _____
DENNIS W. BEACH, CITY MANAGER

Attest:

ASCELETA HAMMOND, CITY CLERK

(SEAL)

Approved As To Form:

MARK E. BERMAN, CITY ATTORNEY

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this _____ day of _____, 2016 by **LAMAR FISHER** as Mayor, **DENNIS W. BEACH** as City Manager and **ASCELETA HAMMOND** as City Clerk of the City of Pompano Beach, Florida, a municipal corporation, on behalf of the municipal corporation, who are personally known to me.

NOTARY'S SEAL:

NOTARY PUBLIC, STATE OF FLORIDA

(Name of Acknowledger Typed, Printed or Stamped)

Commission Number