WORK ORDER No. 4 FOR PROFESSIONAL SERVICES

DATE: May 21, 2016

TO: BCC Engineering, Inc.

7300 North Kendall Drive, Suite 400

Miami, Florida 33156

(305) 670-2350

The City of Doral authorizes the firm of BCC Engineering, Inc. to proceed with the provision of engineering services for development of Milling and Resurfacing Exhibits as part of the City of Doral's 2016 Pavement Maintenance Program as of the date of this Work Order. The work should be performed in accordance with the contract provisions contained in the Continuing Professional Services Agreement between BCC Engineering, Inc. and the City of Doral dated February 2, 2015, and the attached Proposal submitted by your firm for the above referenced project.

SCOPE OF SERVICES AND SCEHDULE:

The scope of the project will be as described in the attached proposal dated May 24, 2016 from BCC Engineering, Inc. The schedule requires the work to be performed within 50 calendar days. All limitations of time set forth in this Work Order are of the essence. The performance of services associated with this Work Order will be executed on a time and materials basis with a not to exceed amount of \$14,250.62.

You are required by the Continuing Service Agreement to begin work subsequent to the execution of this Work Order, or as directed otherwise. If you fail to begin work subsequent to the execution of this Work Order, the City of Doral will be entitled to disqualify the Proposal, and revoke the award.

Work Order incorporates the terms and conditions set forth in the Continuing Services Agreement dated February 2, 2015 between the parties as though fully set forth herein. In the event that any terms or conditions of this Work Order conflict with the Continuing Services Agreement, the provisions of this specific Work Order shall prevail and apply. This Work Order is not binding until the City of Doral agrees and approves this Work Order.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and date first above written, in three (3) counterparts, each of which shall, without proof or accounting for the other counterpart be deemed an original Contract.

1. 2.

BY:

NAME:

TITLE:

WITNESSES:

AUTHENTICATION:

Connie Diaz

City Clerk

SEAL:

CONSULTANT: BCC Engineering, Inc.

BY: NAME:

TITLE:

OWNER: City of Doral

BY: NAME:

E: Edward Rojas

TITLE: City Manager

APPROVED AS TO FORM AND

LEGAL SUFFICIENCY FOR THE SOLE USE

OF THE CITY OF DORAL:

BY: NAME:

ME: WEISS, SEROTA, HELEMAN, COLE,

BIERMAN & POPOK, PL

TITLE:

City Attorney

May 24, 2016

Mr. Jorge A. Gomez, PE Chief of Engineering City of Doral 8401 NW 53rd Terrace, 2nd Floor

Doral, Florida 33166

Sent via E-mail: Jorge.Gomez@CityofDoral.com

Reference: 2016 Milling and Resurfacing Exhibits (the Project)

City of Doral, Florida

Dear Mr. Gomez:

Thank you for considering BCC Engineering, Inc. (BCC) for the above-referenced Project. Per your recent correspondence with Luis Rodriguez, PE, we are pleased to present this proposal to the City of Doral (City, the Client) to provide civil engineering services to design and permit eight (8) roadway segments consisting of asphalt resurfacing and new pavement markings. The eight (8) roadway segments are identified as follows:

- 1. NW 112th Avenue (NW 87th Street to NW 90th Street)
- 2. NW 112th Avenue (NW 82nd Street to NW 86th Street)
- 3. NW 112th Court (NW 82nd Street to NW 112th Avenue)
- 4. NW 86th Street (NW 107th Avenue to NW 109th Avenue)
- 5. NW 117th Avenue (Florida Turnpike Ramp to NW 50th Street)
- 6. NW 50th Street (NW 114th Avenue to NW 117th Avenue)
- 7. NW 50th Street (NW 109th Avenue to NW 112th Avenue)
- 8. NW 112th Avenue (NW 41st Street to NW 50th Street)

All plans and designs will be prepared with English values in accordance with the Florida Greenbook, the FDOT Plans Preparation Manual and the FDOT Roadway Design Standards (latest edition), as applicable. BCC will provide a CD containing all AutoCAD and PDF project files to the City at the conclusion of the project. Based on our understanding of the project, we propose the following scope of services:

SCOPE OF SERVICES

Civil Engineering Design

- BCC will request a utility design ticket from Sunshine State One Call of Florida, Inc. and will notify
 each utility identified by the design ticket of planned improvements and the 1-year excavation
 moratorium placed on the pavement.
- BCC will prepare a Site Aerial to scale, in lieu of survey information, and develop Exhibit Plans
 containing the limits of milling and resurfacing, roadway width, construction notes and the necessary
 pavement markings to replace the existing striping.
- BCC will visit each roadway segment to verify the existing conditions reflected in the aerial image. Should any sign or pavement marking modifications be proposed as part of these Exhibits, then the plans will be submitted to Miami-Dade County, by the City, for review and approval.



- Other items verified in BCC's site visit will include utility adjustments, cracked sidewalk flags, locations of fire hydrants, travel lane and pavement widths, and any new developments not shown by the aerial image.
- BCC will submit Exhibit Plans to the City for review with a summary of quantities and cost estimate based on existing resurfacing contract unit costs.
- BCC will submit three (3) signed and sealed sets of 11" x 17" plans and one (1) CD to the City.

Assumptions and Exclusions

- This proposal is based on our Continuing Professional Services Final Agreement with the City dated February 2, 2015.
- The following services are not included in this proposal: architecture, demolition, building information modeling (BIM) / 3D modeling, construction administration (inspections/management/observation), drainage, water & sewer improvements, earthwork, electrical, environmental, geotechnical, hardscape, irrigation, landscape architecture, materials testing, mechanical, planning, plumbing, permit closeout, structural, subsurface utility engineering (SUE), surveying, traffic signalization, traffic studies, and/or zoning studies.
- Each of the Project sites are assumed to contain no contaminants, archeological findings, etc. that
 could cause additional efforts in design, permitting and/or construction. If found, and additional
 exploration is necessary, this can be provided under a separate task through BCC or provided by the
 City under a separate contract.
- Client will pay reimbursable fees, at cost, related to regulatory plan review, reproduction, and courier fees only.
- Attendance to, and preparation for public hearings, meetings, or field visits other than those listed in the scope of services are not included as part of this proposal.
- The City will submit the plans to Miami-Dade County, if required.
- No post design services are included as part of this proposal.
- All drawings will be on 11" x 17" paper (Tabloid) format.
- Pavement cores are not included as part of this proposal.
- BCC will use typical resurfacing details and construction notes for variable milling. There will be no cross slope correction as part of this project.
- No drainage system analysis, design or calculations are included as part of this proposal.
- Any design of offsite roadway improvements, such as dedicated turn lanes, median improvements
 etc., is not included as part of this proposal. If required, BCC will be pleased to provide an additional
 service proposal for these types of improvements.
- Revisions to Civil Engineering plans due to site plan changes, by others, after the preparation of the construction documents phase has begun, shall be considered as additional services.
- Attendance to, and preparation for meetings or site visits other than those listed in the scope of services shall be billed on a time and material basis.

Fee & Schedule

BCC proposes to provide the described Scope of Services as follows:

Civil Engineering Design Reimbursable Allowance Hourly Not-To-Exceed Fee of \$14,050.62 Time and Materials Fee of \$200.00

Refer to Exhibit A (attached) for a breakdown of man-hours and fee schedule. Permit submittal plans will be provided to the City within nine (9) weeks from receipt of a formal Notice to Proceed (NTP) and Work/Purchase Order. The following durations are assumed:

1. Draft submittal

NTP + 4 Weeks

2. Review by City

2 Weeks

3. Implement Comments and Finalize Plans

3 Weeks

A total duration of seven (7) weeks is estimated based on the above-mentioned assumptions.

Additional Services

Services beyond those outlined under the Scope of Services, including increase in the scope of the Project, revisions to the work, site structures, additional site visits, inspections, construction errors, etc. will be provided for an additional negotiated lump sum fee or on a time and materials budget, as indicated in our Agreement. BCC will provide Additional Services after receipt of written authorization from the Client.

Payments

Billing will be monthly, based on the percentage of services completed, billing rate schedule attached, or by phase. Reimbursable expenses and Additional Services will be billed monthly as they are incurred.

Our Fee Proposal and Exhibit A - Man-hours and Fee Schedule is attached to and made a part of this Agreement.

We hope this proposal meets your expectations. We look forward to working with you on this Project.

Sincerely,

BCC Engineering, Inc.

Jose A. Otero, P.E. Project Manager

Attachment(s):

1) Exhibit A

EXHIBIT A

Man-hours and Fee Schedule

Exhibit A - Man-hours and Fee Schedule

| PROJECT NAME: | 2016 Resurfacing Exhibits | | | | | | | | | | | | |
|--|--|----------|----------|----------|------------|---------|------------|--------------|-----------|-----------|-----------|----------|-------------|
| CLIENT: | City of Doral | | | | | | | | | | | | |
| ADDRESS: | | | | | | | | | | | | | |
| DATE: | 5/24/2016 | | | | | | | | | | | | |
| PROJECT LOCATION: | Eight (8) different locations throughout the City of Doral. Refer to fee proposal write-up for exact individual locations. | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | PRINCIPAL | | | PROJECT | GIS | CADD | | CONSTRUCTION | SENIOR | | LANDSCAPE | | |
| TASK | | | | | TECHNICIAN | | TECHNICIAN | INSPECTOR | ARCHITECT | ARCHITECT | ARCHITECT | CLERICAL | SUBTOTAL |
| HOURLY NEGOTIATED RATE | \$190.00 | \$170.00 | \$149.35 | \$105.01 | \$82.02 | \$72.50 | \$69.60 | \$78.30 | \$176.70 | \$102.60 | \$87.67 | \$43.50 | |
| | | | | | | | | | | | | | |
| Civil Engineering Design | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Prep Exhibit Plan on aerial background (key sheet, | | | | | | | | | | | | | |
| | | | | 16 | | 80 | | | | | | | \$7,480.16 |
| plan, quantities/pay items) Quantities | | | | 8 | | 16 | | | | | | | \$2,000.08 |
| Site Visit(s) | | | | 24 | | 10 | | | | | | | \$2,000.08 |
| Notification to Utilities | | | | 4 | | | | | | | | | \$420.04 |
| Submit Exhibits and Quantities | | | | | | 8 | | | | | | | \$580.00 |
| QC Plans | | | | 8 | | 0 | | | | | | | \$840.08 |
| Meet with City of Doral | | | | 2 | | | | | | | | | \$210.02 |
| Meet with only of Boran | | | | | | | | | | | | | \$210.02 |
| Subtotal | 0 | 0 | 0 | 62 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | \$14,050.62 |
| Total Design Phase | 0 | 0 | 0 | 62 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | \$14,050.62 |
| | To. | | | | | | | | | | | | |
| Allowance | | | | | | | | | | | | | |
| Reimbursable Amount | | | - | | | | | | | | | | \$200.00 |
| Allowance Subtotal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$200.00 |
| Total | 0 | 0 | 0 | 62 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | \$14,250.62 |
| Total | | | | | | .04 | | | | | | | ψ,200.0L |