

WORK ORDER No. 1 FOR PROFESSIONAL SERVICES

TO: Kimley-Horn and Associates, Inc.
1221 Brickell Avenue, Suite 400
Miami, Florida 33131
(305) 673-2025

DATE: May 13, 2015

The City of Doral authorizes the firm of Kimley-Horn and Associates, Inc. to proceed with the provision of engineering services for the development of construction plans for the new roadway proposed on NW 66 Street between NW 102 Avenue and NW 97 Avenue 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 Kimley-Horn and Associates, Inc. and the City of Doral dated February 23, 2015, and the attached Proposal submitted by your firm for the above referenced project.

SCOPE OF SERVICES AND SCHEDULE:

The scope of the project will be as described in the attached proposal from Kimley-Horn and Associates, Inc. The schedule requires the work to be performed within 180 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 \$133,723.00.

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 23, 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.

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.

CONSULTANT: Kimley-Horn and Associates, Inc.

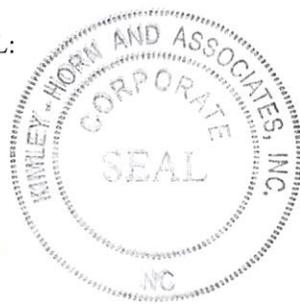
BY: _____
NAME: Burt Baldo, PE
TITLE: Senior Vice President

WITNESSES: _____ SEAL: _____

1. _____
2. _____

OWNER: City of Doral
BY: _____
NAME: Edward Rojas
TITLE: City Manager

AUTHENTICATION: _____
BY: _____
NAME: Connie Diaz
TITLE: City Clerk



APPROVED AS TO FORM: _____
BY: _____
NAME: WEISS, SEROTA, HELFMAN, COLE,
& BIERMAN, PL
TITLE: City Attorney



March 10, 2015 (Revised April 17, 2015)

Mr. Jorge A. Gomez, P.E.
Chief of Engineering
City of Doral
8401 NW 53rd Terrace – Suite 200
Doral, FL 33166

***RE: Proposal for Professional Engineering Consulting Services for
NW 66th Street from NW 97th Avenue to NW 102nd Avenue
City of Doral, Miami-Dade County, Florida***

Dear Mr. Gomez:

Kimley-Horn and Associates, Inc. ("Kimley-Horn" or "Consultant") is pleased to submit this letter agreement ("Agreement") to the City of Doral ("Client") for providing professional engineering consulting services for the above referenced project. All work under this scope will be in accordance with the terms and conditions of Professional Services Agreement (General Engineering/Architecture Services), between the City of Doral and Kimley-Horn, dated February 23, 2015. Our project understanding, scope of services, schedule, and fees follow:

PROJECT UNDERSTANDING

1. Our proposed scope of services and fee proposal is based on the Client's request for the design of roadway improvements to NW 66th Street from 97th Avenue to NW 102nd Avenue. Currently NW 66th Street within the project limits is a dirt road with the exception of the east end of the project, adjacent to 97th Avenue, which is a 2-lane paved road. The existing right-of-way varies from 50' to 70'. Kimley-Horn will provide construction plans for the roadway improvements for a 3-lane road, with curb & gutter, swales and bike lanes or a shared-use path. No sidewalks will be proposed. Per the initial coordination, a new self-contained interconnected drainage system will be designed with associated modifications to the existing roadway. Improvements will be extended on NW102nd Avenue, 50' north and south of NW 66th Street. The intersections with NW 97th Avenue and 102nd Avenue will be considered as stop conditions for NW 66th Street. No traffic signals are being proposed.
2. Because the project is adjacent to the Miami-Dade Resources Recovery Facility and related landfills, an Environmental Site Assessment (ESA) may be needed. If required, as a result of a preliminary meeting with Miami-Dade DRER for drainage design, the Environmental site assessment will be addressed as per the Task 04 - Phase I Environmental Site Assessment (ESA) – Optional Service.
3. As part of the scope of services, Kimley-Horn will conduct an on-site investigation to determine if wetland permits will be required. If required, wetlands permitting will be addressed as per Task 05 – Wetlands Permitting - Optional Service.

4. If determined during the tree permitting process that tree mitigation is required, it will be addressed as per Task -06 – Tree Mitigation - Optional Service.
5. If available, the City shall provide existing information including existing plans (PDF and CAD format if available) of ongoing and previous projects along and in the vicinity of the project.
6. Plans are to be prepared using Miami-Dade County Plans Preparation Format and Standards for Roadway Construction Projects.
7. It is anticipated that the proposed improvements will require permits from Miami-Dade County Regulatory and Economic Resources Department (RER), as well as a permit from the Miami-Dade County Department of Public Works and Waste Management (MDCPWWM).
8. The plans are to be permitted as one single package. Project phasing is not included in this proposal.
9. Proposed improvements will be designed in accordance with the requirements, standards and specifications of the City of Doral, Miami-Dade County and FDOT, where applicable. It is anticipated that this project will follow the Miami Dade County's standard requirements for 60%, 90% and final plans review process.

SCOPE OF SERVICES

The scope of services for the project will be completed by Kimley-Horn and Associates, Inc. (Kimley-Horn) and their sub-consultants, Professional Service Industries, Inc. (Geotechnical Services) and M. G. Vera & Assoc., Inc. (Survey Services) (See **Appendix "A"** – Sub-consultants' fee proposals).

TASK 01 – GEOTECHNICAL SERVICES

See Appendix "A", Sub-consultant Fee Proposal for Scope of Services.

TASK 02 – TOPOGRAPHIC SERVICES

See Appendix "A", Sub-consultant Fee Proposal for Scope of Services.

TASK 03 – ROADWAY CONSTRUCTION DOCUMENTS

Task 03 – A: Preliminary Typical Section

Based on our preliminary coordination with the City, NW 66th Street within the project limits, will be crowned in the center with drainage inlets on both sides of the road connected to French drain interconnected systems. No drainage outfalls will be proposed.

Kimley-Horn will prepare a typical section for review and coordination with the City. Kimley-Horn will attend one (1) meeting with the City to review and obtain concurrence on the typical section to use along the project.

Deliverables:

One (1) Typical Section – 11" x 17" for NW 66th Street

TASK 03 – B: Construction Documents for Approved Typical Section

A base map of the existing conditions will be prepared, at a scale of 1" = 20', utilizing the field survey data. Kimley-Horn will develop a typical section for the proposed roadway improvements within the roadway right of way. Kimley-Horn will submit this typical section to the Client for approval. Kimley-Horn will provide plans based upon the approved typical section. The design plan will show the geometric layout over top of the base survey data.

Kimley-Horn will submit three (3) copies of the 60% plans to the City of Doral prior to submitting revised 60% plans to the permitting agencies for distribution to the appropriate departments for their review. After sufficient review time, a meeting will be scheduled with City and County staff to review the 60% design plans. The purpose of the meeting will be to review the 60% plan comments, discuss revisions and design decisions, solicit additional comments from agencies' staff and Client representatives, concluding the meeting with an approved Plan. The 90% plans review will be similar to the 60% review process.

Kimley-Horn will furnish the plans to each utility company known to operate within the project area with a request that each utility company return one set of marked-up plans, identifying the horizontal and vertical location of their facilities. Kimley-Horn will incorporate the markups related to location of existing utilities into the plans.

Kimley-Horn anticipates attending the following meetings as part of the construction documents phase: four (4) meetings with Client staff for coordination and review comments; two (2) meetings with RER; one (1) meeting with the utility companies to review the project and potential impacts to their utilities (Utility Liaison Meeting); and two (2) meetings with MDC for permit coordination.

In general, the roadway construction plans and other deliverables will contain the following information:

Roadway

1. A cover sheet utilizing the standard Miami-Dade County cover sheet.
2. Typical sections will be prepared, detailing the proposed work. It is anticipated that one (1) typical section will be required for NW 66th Street.
3. Summary of quantities.
4. Horizontal alignments and roadway improvements will be detailed on the plan sheets.
5. General notes defining the basis of design and construction requirements will be provided.
6. Existing utility information, as provided in the survey and the information provided by the respective utility Owners will be added to the plans.
7. Miscellaneous Details not included in County or FDOT Standards.

8. Maintenance of traffic plans include only, phasing notes, and phasing typical sections at 1"=40' scale. Detailed Maintenance of Traffic plans are not included. Opinion of probable cost at 60%, 90% and final submittal.

Estimated Number of Sheets: 30

Drainage

Kimley-Horn will attend up to three (3) coordination meetings with the Client and Miami-Dade County Regulatory and Economic Resources Department (RER) during the course of the design and permitting process. The meetings will consist of a meeting to review the conceptual stormwater design, two (2) meetings with RER to review and approval of the Final Design Package.

A hydraulic analysis will be conducted in the project area. During the analysis, the volume of stormwater runoff will be calculated from the design storm. Following the calculation of excess stormwater volume various methods, including on-site disposal, will be evaluated to provide water quality treatment within the project area. Methods previously developed for the County and RER will be used to predict stormwater pollutant loads and treatment capability.

Following the hydraulic analysis, Kimley-Horn will prepare a conceptual design for improvements to the stormwater collection and disposal systems within the project area. The conceptual design will include locations and capacities of catch basins and localized disposal systems (e.g., French drains), and a listing of details to be included into drainage features.

Drainage deliverables will include the following:

1. Drainage Report
2. Drainage plan, to be shown on Roadway plans.
3. Drainage structure sheets. These sheets will provide the information necessary to construct the proposed drainage improvements.
4. Miscellaneous Drainage Details – These sheets would provide drainage details that are not included in the Florida Department of Transportation Standard Indexes or Miami-Dade County details.

Estimated Number of Sheets: 10

Signing and Pavement Marking

In general the Signing and Pavement Marking plans will include the following:

1. Summary of Signing and Pavement Marking Quantities and Notes - Summarizing the anticipated work elements and their associated approximate quantities as well as Notes relating to these elements.
2. Signing and Pavement Marking Plans – Signing and pavement markings will be detailed at a scale of 1" = 40'.

Estimated Number of Sheets: 6

Lighting

In general, the Lighting plans will include the following:

1. Summary of Lighting Quantities and Notes – Summarizing the anticipated work elements and their associated approximate quantities as well as Notes relating to these elements.
2. Lighting plan will be shown on the roadway plans.
3. Pole Data Sheet
4. Light Pole Data Sheet
5. Schematic Wiring Sheet
6. Miscellaneous Detail Sheet
7. Lighting Analysis

The proposed light poles and fixtures will be in accordance with the City of Doral lighting requirements.

Estimated Number of Sheets: 8

Permitting

It is anticipated that permits will be required for the proposed roadway improvements from the following agencies:

1. RER – Stormwater management permit
2. RER Tree Permit (Optional Service)
3. Miami-Dade County Public Works Department / Traffic Division
4. City of Doral Public Works review

Prior to beginning the 60% design and permitting process, Kimley-Horn will conduct an onsite investigation to determine if wetlands exist in the corridor, which may be impacted by the construction of the proposed project. Based on this investigation Kimley-Horn and Associates will determine the need of wetlands permits.

Kimley-Horn will conduct a meeting with RER. During this meeting, the conceptual design will be reviewed as well as the technical approach to provide water quality treatment. Meeting minutes will be prepared and submitted to the Client.

Kimley-Horn will prepare and submit a package with Drainage Report and Plans to RER for review. The package will consist of the pre- and post-development runoff calculations, a schedule of proposed maintenance activities, and the engineering drawings. Final response to comments (up to two [2] sets of review comments by RER) will be prepared within the Final construction documents. No other permits are anticipated or included in this scope of services. Contractor will be responsible for acquiring all required permits prior to initiating any work, including other permits not included herein.

All permit fees, plan review fees and impact fees will be paid directly by the Client.

Existing Utilities

Using readily available utility record (as-built) drawings, Kimley-Horn will identify known existing underground utilities along the project corridor. During the course of design, potential conflicts between

proposed improvements and known existing utilities will be identified and specific locations will be recommended for performing subsurface utility exploration along the project corridor. Based on prior experiences, identification of any potential utility conflicts during design is essential to avoid unnecessary delays during construction.

Specifications and Contract Documents

It is expected that the Miami-Dade County Standard Contract Documents and the Florida Department of Transportation Technical Specifications will be used for this project. Kimley-Horn will prepare Technical Specifications that will address project-specific construction elements. A preliminary set of the technical specifications will be forwarded to the Client for review and approval with the 90% submittal. The final response to comments, formatting and preparation of final Technical Specifications will be prepared and submitted with the final construction documents. The Client will incorporate these Technical Specifications into their bid documents.

Estimated Total Number of Sheets for Task 03-B: 54

TASK 04 – PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA) – OPTIONAL SERVICE

Kimley-Horn shall perform the following Additional Services with the following assumptions:

PHASE I ESA

The Phase I ESA scope of services described in this proposal addresses the due diligence procedures and methodology presented in ASTM E 1527-13. The purpose of the Phase I ESA is to provide the following:

1. An identification of Recognized Environmental Conditions (RECs) as defined in ASTM E 1527-13, 1.1.1
2. An opinion of the impacts on the property resulting from conditions identified during the investigation, by a qualified Environmental Professional (EP) (ASTM E 1527-13, 12.6)
3. An opinion, by a qualified EP, on the need for additional investigations (ASTM E 1527-13, 12.6.1)
4. A statement consistent with ASTM E 1527-13, 12.13, on the qualifications of the EP and the suitability of the Phase I ESA to meet the requirements of the All Appropriate Inquiry Rule, CFR 40 312.

Kimley-Horn's scope of services for conducting the Phase I ESA consists of the tasks set forth below. The following tasks only refer to that information that is defined as reasonably ascertainable (ASTM E 1527-13, 6.2.1).

Sub-Task 1 - Records Review

This task will be conducted by Kimley-Horn consistent with ASTM E 1527-13, 8.0 and will consist of the following:

1. Record Search – An environmental database search will be prepared encompassing the minimum search distances listed in ASTM E1527-13, 8.2.1. This report will be reviewed for known and suspect contaminated sites. Where available, local environmental agency, and other local governmental authority files, as defined in ASTM E 1527-13, 8.2.2.1 may be reviewed, if the EP determines the files to be reasonably ascertainable and relevant to the successful completion of the Phase I ESA.
2. IC/EC Registries – Kimley-Horn will review readily available databases on institutional and engineering (IC/EC) controls and Activity Use Limitations (AULs).
3. Title Search and Judicial Records – Kimley-Horn will review these documents as provided by the Client and coordinate with Miami-Dade County for documents not available from the City.
4. Aerial Photograph Review – Kimley-Horn will retrieve and examine readily available historical aerial photographs of the site and the surrounding vicinity. Aerial photographs will be researched to the earliest date that is reasonably obtainable.
5. Review of Local City Directories and Historical Maps – Kimley-Horn will obtain and review readily available historical city directories, fire insurance maps, and historical topographic maps.
6. Other Historical Sources – Should Kimley-Horn determine that other non-traditional sources may provide information relevant to the completion of the Phase I ESA; these sources will be reviewed and documented.

Sub-Task 2 - Site Reconnaissance

Kimley-Horn will conduct a site reconnaissance consistent with ASTM E 1527-13, 9.0. The Site Reconnaissance will be non-invasive. We will not collect and/or analyze any samples. We assume that we will be allowed appropriate access to all areas of the site and that the site reconnaissance shall be conducted as a single event. Should, an additional site reconnaissance be required due to access limitations, the additional site reconnaissance shall be considered additional services.

Sub-Task 3 - Interviews

Consistent with ASTM E 1527-13, 10.5.2.3 and 10.5.4 Kimley-Horn will make a reasonable attempt to conduct the following interviews:

1. Kimley-Horn will attempt to interview current and past owners, operators and occupants of the property that have or are likely to have material information regarding uses, physical characteristics and the potential for RECs at the subject property consistent with ASTM E 1527-13 sections 10.5.1, 10.5.2, 10.5.2.1, 10.5.2.2, and 10.5.4.
2. In the case of abandoned properties as defined in ASTM E 1527-13, 3.2.1, where there is evidence of uncontrolled access or unauthorized uses, Kimley-Horn will attempt to interview current neighboring or nearby property owners (ASTM E 1527-13, 10.5.5).
3. Kimley-Horn will attempt to interview one or more of the following state or local agencies as defined in ASTM 1527-13, 11:
 - a. Local fire department
 - b. Local health agency
 - c. Local environmental regulatory agency

Sub-Task 4 - Report Preparation

Upon completion of the aforementioned sub-tasks, Kimley-Horn will prepare a summary report of the results of the Phase I ESA as outlined in Appendix X4 of ASTM E 1527-13. Kimley-Horn will provide the report to the Client in electronic format (portable document format).

TASK 05 – WETLANDS PERMITTING - OPTIONAL SERVICE

Kimley-Horn will conduct a pre-application meeting with RER and SFWMD. During this meeting, the conceptual design will be reviewed as well as the technical approach. Meeting minutes will be prepared and submitted to the Client.

Based on the pre-application meeting discussions, Kimley-Horn will prepare permit sketches, plans an alternatives analysis and a mitigation plan as required to complete the permit application package and submit it to RER and SFWMD. In addition, Kimley-Horn will forward the permit application package to the US Army Corps of Engineers.

Kimley-Horn will respond to up to two (2) requests for additional information (RAI) from each reviewing Agency in order to obtain the permits or plans approval.

All permit fees, plan review fees and impact fees will be paid directly by the City.

TASK 06 – TREE PERMIT / MITIGATION - OPTIONAL SERVICE

Based on the tree permitting process, Kimley-Horn will prepare tree survey/disposition plans, which will be developed to include the trees that are necessary to provide the required mitigation.

In general, the plans will include the following:

1. Summary of Quantities and Notes - Summarizing the anticipated work elements and their associated approximate quantities as well as notes relating to these elements
2. Tree Survey
3. Tree Disposition Plan
4. Coordination with Miami-Dade DERM for tree permit.

Estimated Number of Sheets: 12

TASK 07 – THE CLIENT'S ADDITIONAL SERVICES

Upon your authorization, we will provide any additional services that may be required beyond those described in **Tasks 01 through 06**. These services may include but are not limited to such items as the following:

- Phase II Environmental Site Assessment (Scope to be prepared based on findings in the Phase I Environmental Assessment)

- Utility Subsurface Engineering (SUE), to locate existing utilities at potential conflicts locations.
- Utility Relocation/ Design and plans.
- Resident Project Representative/CEI Services
- Bidding assistance
- Construction Phase Services
- Post Design Services (meetings, shop drawing reviews, contract clarifications, site observations, substantial completion review)
- Review of pay applications
- MOT plans other than described in Task 03
- Evaluation of contractor's sub-divisions or Value Engineering Proposals
- Meetings, presentations or coordination in addition to those described in Task 01 through Task 06 above
- Redesign required as a result of major change from scope of services described above
- Sketches and legal descriptions, if more than one dedication is needed
- Permit expediting
- Any work related to grants of easement or right of way acquisition
- Signalization
- Services not specifically included within "Scope of Services"

SCHEDULE

We will provide the above-described services outlined in an expeditious and orderly manner to meet the schedule mutually agreed to by the Client and Kimley-Horn and Associates, Inc. for the various elements of the project.

FEE AND BILLING

Kimley-Horn will accomplish the services outlined in Tasks 01 through 03 on a time material basis with estimated labor fees shown below. Labor fee will be billed hourly on monthly basis, based on the standard hourly rate agreed between Kimley-Horn and the Client. Direct expenses, if required, will be billed at 1.15 of the cost. Expenses are in addition to the labor amount. Billing will be due and payable within twenty-five (25) days of receipt of invoice.

Tasks 04 through 07 will require a separate client signature for approval prior to beginning work. Tasks 04 through 07 will be billed hourly, based on the standard hourly rate agreed upon between Kimley-Horn and the client. Fees and expenses will be invoiced monthly based upon actual services performed and expenses incurred as of the invoice date. Billing will be due and payable within twenty-five (25) days of receipt of invoice.

Estimated Hourly Fees

Task	Description	Labor Fee
01	Geotechnical Services (See Scope in Appendix "A")	\$4,000.00
02	Topographic Services (See Scope in Appendix "A")	\$7,000.00
03	Roadway Construction Documents	\$99,103.00
Total Labor		\$101,103.00

Optional Services

04	Phase I Environmental Site Assessment (ESA)	\$5,120.00
05	Wetlands Permitting (Based on > 0.5 Acre wetlands impacted)	\$12,000.00
06	Tree Permit/Mitigation.....	\$6,500.00
Total Labor for Optional Services.....		\$ 23,620.00

Hourly Fees

07 Additional Services..... Hourly as Required

In addition to the matters set forth herein, our Agreement shall include and be subject to, and only to, the terms and conditions of the Professional Services Agreement (General Engineering/Architecture Services), between the City of Doral and Kimley-Horn, dated February 23, 2015, which is hereby incorporated by reference. If you concur in all the foregoing and wish to direct us to proceed with the services, please have authorized persons execute both copies of this Agreement in the spaces provided below, retain one copy and return the other to us. Fees and times stated in this Agreement are valid for sixty (60) days after the date of this letter.

With Kimley-Horn, you should expect more and will experience better. We appreciate the opportunity to provide these services to you. Please don't hesitate to contact Luis Cubas or me at (305) 673-2025 if you have any questions.

Very truly yours,

KIMLEY-HORN AND ASSOCIATES, INC.

FOX

 By: Burt Baldo, PE
 Senior Vice President

Attachments:
 Appendix "A": Sub-consultants' Fee Proposals

Agreed to this _____ day of _____, 20__.

CITY OF DORAL (A Municipality)

By: _____

(Print or Type Name)

Title: _____
(As Authorized by Law)

(Email Address)

_____, Witness

(Print or Type Name)

Official Seal:

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APPENDIX “A”

Subconsultants’ Fee Proposals

Geotechnical Services

Professional Service Industries, Inc.

February 11, 2015

Mr. Luis G. Cubas, P.E.
Kimley-Horn & Associates
1221 Brickell Avenue, Suite 400
Miami, Florida 33131

Re: Proposal for Geotechnical Engineering Services
N.W. 66th Street between N.W. 97th Avenue and 102nd Avenue
Doral, Miami-Dade County, Florida
PSI Proposal No. P0-397-144714

Dear Mr. Cubas:

In accordance with your email dated, February 10, 2015, **Professional Service Industries Inc., (PSI)**, is pleased to submit this proposal to perform a geotechnical engineering study for the above referenced project. Included herein is our understanding of the project, a scope of services, a cost estimate for the work and a schedule to complete the requested geotechnical engineering study.

The project site is an approximate ½ mile segment of N.W. 66th Street between N.W. 97th Avenue and N.W. 102nd Avenue in Doral, Florida. The project will involve roadway re-construction and drainage improvements along the roadway corridor.

Based on our experience with field work in close proximity to the site (i.e. City of Doral Police Department/Public Works facility) and our review of the USDA Soil Survey map, we anticipate encountering organic soils within the project alignment. Our field work will cater to muck delineation as needed to provide appropriate recommendations.

PSI proposes to perform five Standard Penetration Test (SPT) borings spaced approximately 500 feet apart to depths of 10 feet below grade. The SPT borings will be performed with truck-mounted machinery using rotary drilling procedures. Samples of the in-place materials will be recovered with a standard split barrel driven with a 140-pound hammer falling 30 inches (the Standard Penetration Test in accordance with ASTM D1586).

In addition, we will perform two, six inch diameter, pavement cores, within the existing roadway to obtain information regarding the existing pavement section.

As requested, we will perform two percolation tests in accordance with South Florida Management District (SFWMD) procedures at depths of 15 feet below grade.

After completion of drilling, all boreholes will be backfilled with excavated soil/rock, the drilled asphaltic surface patched where necessary and the site generally cleaned, as required.

Underground utility clearance will be required prior to commencing the drilling of the borings. Therefore, PSI will contact "Sunshine One-Call" Service to obtain underground public utility clearance.

A geotechnical engineer will review the soil samples recovered from the borings and will select samples to be tested for physical properties such as gradation, moisture content and organic content, if deemed necessary. The results of the field work and laboratory tests will be summarized in a report of geotechnical services. The report will specifically contain information listed below:

1. A plan of the site showing the location of the soil borings and percolation tests.
2. Pavement core thickness and photographs.
3. Logs of borings that indicate base and subgrade thickness.
4. If muck material is encountered, we will perform a muck delineation program to identify the extent/limits of the muck layer.
5. Requirements for site preparation.
6. An anticipation of groundwater levels and methods for handling groundwater during construction.
7. Complete and provide results of percolation tests (hydraulic conductivity value "k").

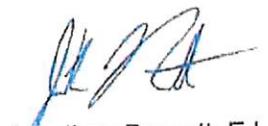
Our study can begin one-day after we receive authorization to proceed. We will start drilling after underground utilities have been located and identified, which will take two to four work days. The drilling work should be completed within one work day. The written report of the subsurface exploration and engineering evaluation will be available within two weeks following the field demobilization. We estimate that our study will be completed within three weeks from notice to proceed.

Based on our general knowledge of the subsurface conditions at the site and our understanding of your requirements, we propose to complete the requested subsurface exploration and geotechnical engineering evaluation described herein for a fee of **\$4,000.00**.

PSI appreciates your continued consideration of our firm for this project. To formally authorize us, kindly indicate so by sending a Kimley-Horn Subagreement to our Miami office.

Sincerely,

PROFESSIONAL SERVICE INDUSTRIES, INC.
Certificate of Authorization No. 3684


Jonathan Bassett, E.I.
Project Engineer


Dhuruva (Dru) Badri, P.E.
Department Manager

Topographic Services

M. G. Vera & Associates, Inc.



Revised April 15, 2015

Kimley-Horn and Associates, Inc
1221 Brickell Avenue - Suite 400
Miami, FL 33131-3228

Project: City of Doral, NW 66th St.

Dear Mr. Luis G. Cubas,

MGV appreciates the opportunity to perform our surveying services on this project. Below is the scope of services for the Design Survey of the above referenced project. Please see attached Survey Man-Hour spread sheet for our man-hour breakdown. In addition to the specific scope items, all survey work will adhere to the City of Doral survey Guidelines and in accordance with the STATE OF FLORIDA MINIMUM TECHNICAL STANDARDS, Chapter 427.027 Florida Statutes and Rule 5J-17 Florida Administrative Code. The proposed Design Survey Scope of work includes the following Design Survey Services:

Design Survey Services:

- 27.01 Horizontal Primary Network Control (HPNC)
- 27.02 Vertical Primary Network Control (VPNC)
- 27.03 Alignment (Project Survey Baseline)
- 27.06 Topographic Survey / Digital Terrain Model (DTM)
- 29.22 Parcel Sketches
- 29.29 Legal Descriptions

Project Limits:

- NW 66th St. between NW 97th Ave and NW 102nd Ave.

27.01 & 27.02 Horizontal and Vertical Control

Primary control points will be set and established. Horizontal Control will be established on the Florida State Plane Coordinate System, East Zone, and North American Datum (NAD) of 1983 / 1990 Adjustment. Vertical Control will be established on NAVD 88 Datum.
Control will be shown on Topo file only.

27.03 Survey Baseline

The Historic survey baseline and right of ways will be established as Right of Way Maps, platted and / or dedicated rights of way.

27.06 Topographic Survey / DTM (3D)

Topographic and DTM Survey will be performed from right way to right way along the area defined above. All above ground features and improvements, break-lines, high and low points will be located with sufficient density of points (a minimum of a 50-ft. grid will be established) in order to create a DTM as well as topographic features including: existing lighting, pedestrian ramps, driveways, visible above ground utilities, sodded and paved areas, drainage structures (including rim/gutter elevations), etc. A Micro-station file will be delivered along with Geopack files (tin).

A Tree survey will performed on those trees with a diameter greater than 6-inches, as part of the Topographic Survey, survey will identify the tree type (common names such as *Oak, Palm, Maple* etc) if known, height diameter and canopy.



29.22 Parcel Sketches and 29.29 Legal Descriptions

A parcel sketch and legal description for 1 dedication (see attached for the property).

Note: Title search is not a part of this scope of services.

Notes:

- A surveyors report will be prepared; signed and sealed copies will be provided for the Topographic survey.
- If additional tasks are required beyond the aforementioned items, MGV will provide an additional fee estimate.

Cost and Man-hour breakdown

Please refer to FDOT Project Activity 27: Survey Man-Hour spreadsheet for our man-hour breakdown and to the Fee sheet attached here-to.

We look forward to providing our services and please contact me if you have any questions or require additional information.

Sincerely,
Manuel G. Vera & Associates, Inc.

Manuel G. Vera Jr. PSM

ESTIMATE OF WORK EFFORT AND COST - SUBCONSULTANT

Name of Project: City of Doral NW 66th St from NW 97th Ave to NW 102nd Ave.
 County: Miami - Dade

Consultant Name: Manuel G Vera & Assoc., Inc.
 Consultant No.:
 Date: 4/15/2015
 Estimator: Manuel G Vera, Jr.

Staff Classification	Total Staff Hours From "SH Summary - Firm"	Senior Surveyor	Surveyor Mapper	Survey Intern	CADD/Comp Technician	Survey Technician	Staff Classification 6	Staff Classification 7	Staff Classification 8	Staff Classification 9	Staff Classification 10	Staff Classification 11	Staff Classification 12	SH By Activity	Salary Cost By Activity	Average Rate Per Task
		\$139.86	\$112.86	\$86.07	\$83.11	\$48.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00			
27. Survey (Field & Office Support)	24	1	2	4	4	4	0	0	0	0	0	0	0	15	\$1,236	\$82.41
28. Photogrammetry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
29. Mapping	12	1	1	0	3	5	0	0	0	0	0	0	0	10	\$775	\$74.73
30. Geotechnical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0	#DIV/0!
Total Staff Hours	36	2	3	4	7	9	0	0	0	0	0	0	0	25		
Total Staff Cost		\$279.72	\$338.88	\$344.28	\$612.63	\$435.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$2,011.20	\$79.27

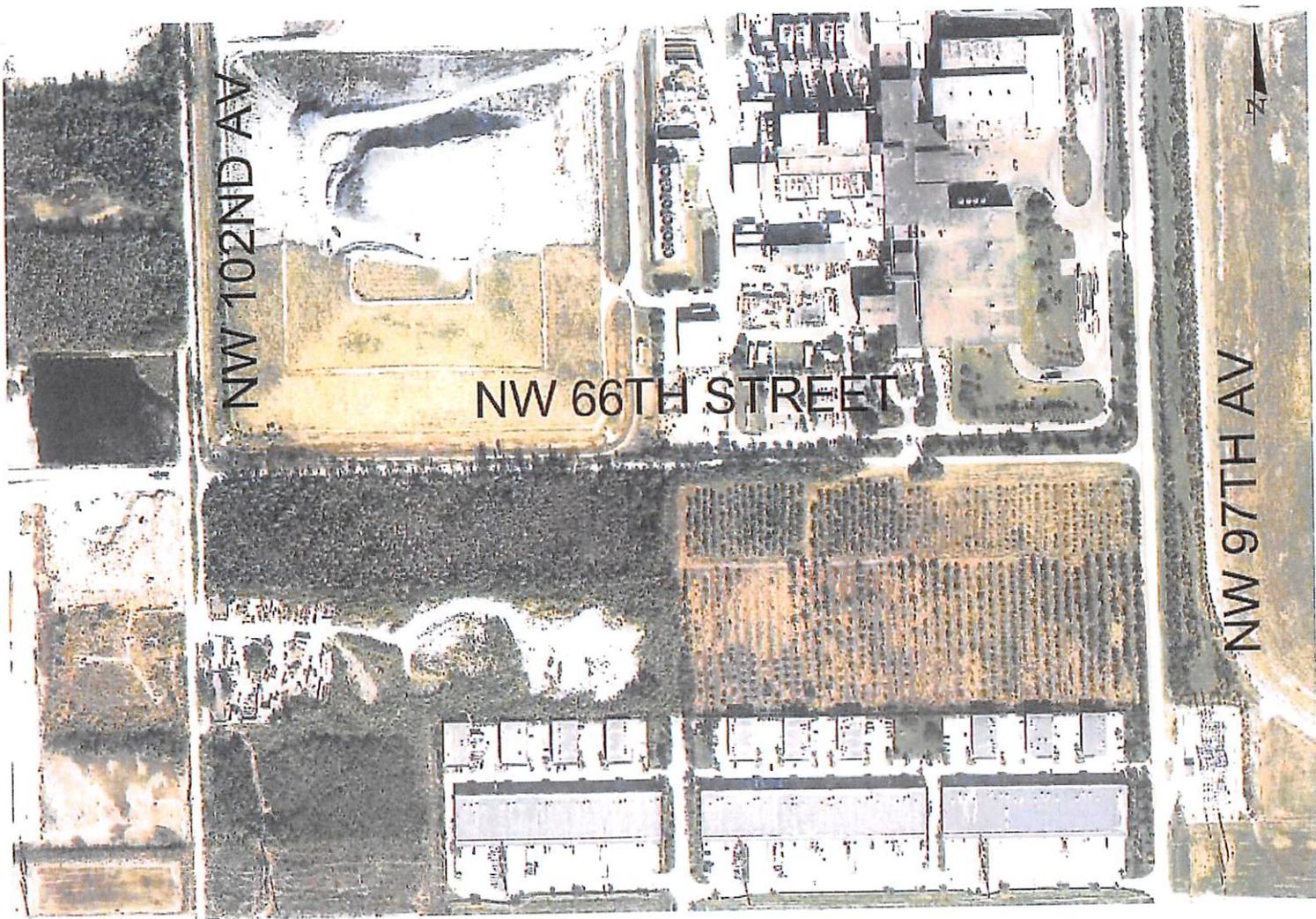
Check = \$2,011.20

Form Revised 03/28/05

Notes:

1. This sheet to be used by Subconsultant to calculate its fee.

SALARY RELATED COSTS:			\$2,011.20
OVERHEAD:		0.00%	\$0.00
OPERATING MARGIN:		0%	\$0.00
FCCM (Facilities Capital Cost Money):		0.000%	\$0.00
EXPENSES:		0.00%	\$0.00
SUBTOTAL ESTIMATED FEE:			\$2,011.20
Survey (Field)	5.0	3-man crew da \$ 997.76 / day	\$4,988.80
	0.0	4-man crew da \$ 1,243.61 / day	\$0.00
Geotechnical Field and Lab Testing			\$0.00
SUBTOTAL ESTIMATED FEE:			\$7,000.00
Optional Services			\$0.00
GRAND TOTAL ESTIMATED FEE:			\$7,000.00



NW 102ND AV

NW 66TH STREET

NW 97TH AV





OFFICE OF THE PROPERTY APPRAISER

Summary Report

Generated On : 2/10/2015

Property Information	
Folio:	35-3017-001-0660
Property Address:	
Owner	JOSEPH W PRICE & W DONNA J TRS
Mailing Address	10710 CORONADO NE ALBUQUERQUE, NM 87122
Primary Zone	8900 INTERIM-AWAIT SPECIFIC ZO
Primary Land Use	9981 ACREAGE NOT CLASSIFIED AG : VACANT LAND
Beds / Baths / Half	0 / 0 / 0
Floors	0
Living Units	0
Actual Area	0 Sq.Ft
Living Area	0 Sq.Ft
Adjusted Area	0 Sq.Ft
Lot Size	435,600 Sq.Ft
Year Built	0



Assessment Information			
Year	2014	2013	2012
Land Value	\$3,500,000	\$2,125,000	\$1,750,000
Building Value	\$0	\$0	\$0
XF Value	\$0	\$0	\$0
Market Value	\$3,500,000	\$2,125,000	\$1,750,000
Assessed Value	\$1,610,510	\$1,464,100	\$1,331,000

Taxable Value Information			
	2014	2013	2012
County			
Exemption Value	\$0	\$0	\$0
Taxable Value	\$1,610,510	\$1,464,100	\$1,331,000
School Board			
Exemption Value	\$0	\$0	\$0
Taxable Value	\$3,500,000	\$2,125,000	\$1,750,000
City			
Exemption Value	\$0	\$0	\$0
Taxable Value	\$1,610,510	\$1,464,100	\$1,331,000
Regional			
Exemption Value	\$0	\$0	\$0
Taxable Value	\$1,610,510	\$1,464,100	\$1,331,000

Benefits Information				
Benefit	Type	2014	2013	2012
Non-Homestead Cap	Assessment Reduction	\$1,889,490	\$660,900	\$419,000

Note: Not all benefits are applicable to all Taxable Values (i.e. County, School Board, City, Regional).

Sales Information			
Previous Sale	Price	OR Book-Page	Qualification Description
11/01/2002	\$0	00000-00000	Qual by exam of deed

Short Legal Description
17 53 40 10 AC
FLA FRUIT LAND CO SUB PB 2-17
TRACT 64
LOT SIZE IRREGULAR
OR 20873-3053/55 11/2002 5

The Office of the Property Appraiser is continually editing and updating the tax roll. This website may not reflect the most current information on record. The Property Appraiser and Miami-Dade County assumes no liability, see full disclaimer and User Agreement at <http://www.miamidade.gov/info/disclaimer.asp>

Version:

**FEE QUOTATION PROPOSAL FOR NW 66TH STREET
FROM NW 97TH AVENUE TO NW 102ND AVENUE**

Consultant's Name: Kimley-Horn and Associates, Inc.
Project Number:
Project Length: 0.53 Miles

Prepared by: Luis Cubas, PE
Date: 4/17/2015

STAFF HOURS

	Activity	Principal Engineer	Project Manager	Sr. Engineer	Engineer	CADD Tech.	Staff Hours by Activity	Salary Cost for Activity
	Distribution	2%	5%	10%	36%	48%	100%	
		9	22	44	158	211	444	\$53,989.73
1	Roadway Plans	9	22	44	158	211	444	\$53,989.73
2	Pavement Marking & Signing Plans	1	3	6	21	29	60	\$7,295.91
3	Signalization Plans and School Flashers	0	0	0	0	0	0	\$0.00
4	Roadway Lighting Plans	3	7	13	47	63	133	\$16,172.60
5	Drainage Design, Report & Permit Applications w/Sketches	4	9	18	63	85	178	\$21,644.53
6	Post-Design Services	0	0	0	0	0	0	\$0.00
7	Tree Permitting/Mitigation	0	0	0	0	0	0	\$0.00
8	Public Involvement	0	0	0	0	0	0	\$0.00
	TOTAL HOURS	16	41	82	289	387	815	\$99,102.78
	Rates	\$190.75	\$187.48	\$164.02	\$142.50	\$87.20		
	Totals S-H and Cost	\$3,109.23	\$7,639.81	\$13,367.63	\$41,228.81	\$33,757.30	\$99,102.78	\$121.60

TOTAL LUMP SUM FEE BREAKDOWN BY ACTIVITY	Amount
Roadway Plans	\$53,989.88
Signing & Marking Plans	\$7,295.93
Signal Plans (Not Included)	\$0.00
Roadway Lighting Plans (Not Included)	\$16,172.64
Drainage Plans	\$21,644.58
	=
Phase I Environmental Assessment (ESA) (optional)	\$5,120.00
Tree Permitting/Mitigation (Optional)	\$6,500.00
Public Involvement (not Included)	\$0.00
Wetlands Permitting (Optional)	\$12,000.00
Post-Design Services (Not Included)	\$0.00
Maximum Lump Sum Fee	\$122,723.00

KHA

Design Traffic/Traffic Operations Analysis	
Signal Warrant Analysis	
Signal Plans	
Utility Relocation Plans	
Sub-Consultants	
Surveyor Labor Fees	\$7,000.00
Geotechnical Labor Fees	\$4,000.00
	<u>\$11,000.00</u>

TOTAL CONTRACT COST COMPUTATIONS

Total Activity Salary Costs	\$99,102.78
(a) Overhead Additives	
(a1) Combined O-H percent	
(a2) Combined O-H Cost	\$0.00
Subtotal (Salary + Overhead)	\$99,102.78
(b) Operating Margin Percent	\$0
(b1) Operating Margin Cost - Fixed Fee	\$0
Subtotal (Salary Related Cost)	\$99,103.00
Expenses & Optional Services	
(a) Printing & Reproduction	\$ -
(b) Public Involvement (5%)	\$ -
Phase I Env. Assessment (Optional)	\$5,120.00
Tree Permitting/Mitigation (Optional)	\$6,500.00
Wetlands Permitting (Optional)	\$12,000.00
TOTAL KHA	<u>\$122,723.00</u>

Design Fee	\$122,723.00
Bidding Phase Services	-
Construction Phase	-
Design Traffic/Traffic Operations Analysis	\$0.00
Signal Warrant Analysis	\$0.00
Signal Plans	\$0.00
Utility Relocation Plans	\$0.00
Surveying	\$7,000.00
Geotechnical	\$4,000.00
Utility Locates	\$0.00
TOTAL FEE	<u>\$133,723.00</u>

Consultant's Name: Kimley-Horn and Associates, Inc.
Project Number:
Project Length: 0.53 Miles

Prepared by: Luis Cubas, PE
Date: 4/17/2015

Employee	RATES	
	Current Rate	Loaded rates
Principal		190.75
Project Manager		187.48
Senior Engineer		164.02
Engineer		142.50
CADD/Technician		87.20

PROJ. NO.: _____ F.A.P. _____ DESCRIPTION: Roadway Improvements

LENGTH IN MILES : 0.53 FEET : 2650 LANES: _____ DIV'D: _____ URBAN: _____ X

ITEM	SCALE	BASIS OF ESTIMATE	NO. OF UNITS	NO. OF SHEETS	M - H UNITS	TOTAL M-H	COMMENTS
ROADWAY PLANS							
Key Map		SHT	1	1	8	8	Key sheet
Typical Section		EA	2	2	5	10	
Summary of Quantities		SHT	1	1	16	16	Sheet with Quantities
General Notes		SHT	1	1	10	10	
Plan Sheets for M & R	1"=20'	HRS	0	0	0	0	N/A
Plan Sheets New Construction	1"=20'	SHT	5	5	16	80	To connect to existing EOP. Do not include Plateau intersections
Profile Sheets for M & R	1"=20'	SHT	0	0	0	0	N/A
Profile Sheets New Construction	1"=20'	SHT	5	5	12	60	Includes swale profiles, Exfiltration Trench
Intersection Details - Plateau		SHT	0	0	40	0	
Intersection Profiles - Plateau		EA	0	0	0	0	
Intersection Profiles - Side Streets		EA	1	1	10	10	At NW 99th Avenue
SWPP Plan		SHT	1	1	12	12	Develop SWPPP (1 Sheet) as per CAD Sample from County (NOI) also
Misc. Construction Details		SHT	1	1	10	10	Details Not included in MDC or FDOT Standards
Maint. of Traffic		SHT	2	2	8	16	2 T.S. sheets, 1 General Notes/Phasing sequence sheets
Cross-Sections	1"=10'	EA	28	10	3	84	3 sections per sheet - 28 cross section for Main line {(2650ft/100 + 1)}
Computation book		LS	1		0	0	
Opinion of Probable Cost		EA	3		4	12	Includes Submittals at 60%, 90%, 100% and Final
Pavement Design		LS	1		12	12	Review soils report recommendation/coordination
Geometry Plan		LS	1		16	16	As part of the roadway plan (benchmarks, etc)
FDOT Coordination		EA	0		0	0	
Utility Coordination		LS	1		24	24	Coordinate and attend one (1) Meeting @ 60% (2 People @ 4hrs ea.) and follow up
Railroad Permit and Coordination		LS	1		0	0	
Special Provisions, Technical Specs		HRS	1		24	24	
Value Engineering/Coord		LS	0		18	0	Prepare material/ Attend one meeting @30% (All coordination by Client)
Meetings and Reviews		HRS	4		4	16	4 Mtgs @4hrs each / Includes Minutes.
Geotechnical Coordination		LS	1		4	4	Evaluate, Coordinate data, Report
Surveying Data Processing		HRS	1		4	4	Topographic Survey Data Processing/coordination
Field Reviews		EA	1		16	16	2 People@8hrs each
ROADWAY PLANS TOTALS				30		444	

Prepared By: Luis Cubas, PE

Date: April 17, 2015

COUNTY PROJ. NO.: 0 F.A.P. _____

DESCRIPTION: Roadway Improvements

LENGTH IN MILES: 0.53 FEET: 2650 LANES: _____ DIV'D: No URBAN: X

ITEM	SCALE	BASIS OF ESTIMATE	NO. OF UNITS	NO. OF SHEETS	M - H UNITS	TOTAL M-H	COMMENTS
DRAINAGE PLANS							
Drainage Map	1"=200'	SHT	0	0	0	0	
Drainage Structures		EA	18	9	4	72	18 Structures.(spaced @ 300' -Frech Drain on both sides of the road)
Drainage Structures - M & R**		EA	0	0			
Summary of Drainage Structure		SHT			0		N/A
Meetings / Review / Quality Control		LS	1		12	12	Assume 32Review Meetings w/ DRER & Client 2 peop @ 3 hrs= 12hrs.
Drainage Details		EA	1	1	16	16	
Field Review		EA	0		0		
Wetlands Assessment		LS	1		20	20	On-ste wetlandas and impacts assesment, review database to determine related wetlands permits required.
Design of French Drain		LS	1		20	20	
Drainage Design (Including Report)		LS	1		30	30	
Permitting (Drainage System)		LS	1		8	8	Prepare permit sketches and packages for DRER Review, submit, revise design as needed (DRER-Water Control). Wetlands permitting not included
Environmental Assesment		LS	0		40	0	Research Landfills /Recovey Center Data Base. Environmental Assesment Phase I- Not included
Opinion of Probable Cost		EA	0		0	0	
DRAINAGE PLANS TOTALS				10		178	

Prepared By: Luis Cubas, PE

Date: April 17, 2015

RESOLUTION No. 15-99

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING A WORK ORDER BETWEEN THE CITY OF DORAL AND KIMLEY-HORN AND ASSOCIATES, INC., A PREQUALIFIED VENDOR, FOR THE PROVISION OF DESIGN SERVICES AND THE DEVELOPMENT OF CONSTRUCTION PLANS FOR THE NEW ROADWAY PROPOSED ON NW 66 STREET BETWEEN NW 102 AVENUE AND NW 97 AVENUE IN AN AMOUNT NOT TO EXCEED \$133,723.00; AUTHORIZING THE CITY MANAGER TO EXECUTE THE WORK ORDER AND EXPEND BUDGETED FUNDS ON BEHALF OF THE CITY IN FURTHERANCE HEREOF; PROVIDING FOR IMPLEMENTATION; AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the City of Doral (the "City") wishes to secure a firm for the provision of design services and the development of construction plans for the new roadway proposed on NW 66 Street between NW 102 Avenue and NW 97 Avenue; and; and

WHEREAS, Kimley-Horn and Associates ("KHA") is a prequalified provider of professional engineering services selected in accordance with Consultant Competitive Negotiation Act requirements and approved by the City Council in December 2014; and

WHEREAS, staff has recommended that the City Council approve a work order with KHA for the provision of design services and the development of construction plans for the new roadway proposed on NW 66 Street between NW 102 Avenue and NW 97 Avenue; in an amount not to exceed \$133,723.00.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:

Section 1. Recitals. The above recitals are confirmed, adopted, and incorporated and made a part hereof by this reference.

Section 2. Approval. The Work Order between the City and KHA for the provision of design services and the development of construction plans for the new

roadway proposed on NW 66 Street between NW 102 Avenue and NW 97 Avenue; in an amount not to exceed \$133,723.00, a copy which is attached hereto as Exhibit "A" and incorporated herein and made part hereof by this reference, is hereby approved. The City Manager is authorized to execute the Work Order and expend budgeted funds on behalf of the City in furtherance hereof.

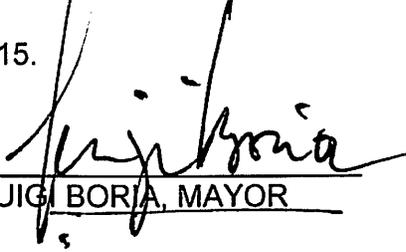
Section 3. Implementation. The City Manager and City Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and provisions of this Resolution.

Section 4. Effective Date. This Resolution shall take effect immediately upon adoption.

The foregoing Resolution was offered by Vice Mayor Ruiz who moved its adoption. The motion was seconded by Councilmember Fraga and upon being put to a vote, the vote was as follows:

Mayor Luigi Boria	Yes
Vice Mayor Sandra Ruiz	Yes
Councilman Pete Cabrera	Yes
Councilwoman Christi Fraga	Yes
Councilwoman Ana Maria Rodriguez	Yes

PASSED AND ADOPTED this 13 day of May, 2015.



LUIGI BORJA, MAYOR

ATTEST:



CONNIE DIAZ, CITY CLERK

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY FOR THE SOLE USE
OF THE CITY OF DORAL



WEISS, SEROTA, HELFMAN, COLE, & BIERMAN, PL
CITY ATTORNEY