

**WORK ORDER No. 7 FOR PROFESSIONAL SERVICES**

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

DATE: November 29, 2017

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 Milling and Resurfacing Exhibits as part of the City of Doral's 2018 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 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 dated November 28, 2017 from Kimley-Horn and Associates, Inc. The schedule requires the work to be performed within 60 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 \$12,281.00.

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.

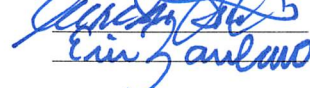
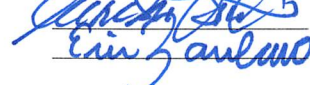
CONSULTANT: Kimley-Horn and Associates, Inc.

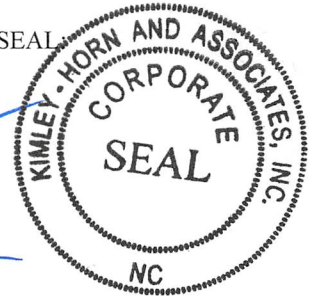
BY:   
NAME: Burt Baldo, PE  
TITLE: Senior Vice President

OWNER: City of Doral


BY:   
NAME: Edward Rojas  
TITLE: City Manager

WITNESSES: SEAL


1.   
2. 



AUTHENTICATION:

BY:   
NAME: Connie Diaz  
TITLE: City Clerk

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

BY:   
NAME: WEISS, SEROTA, HELFMAN, COLE, &  
BIERMAN, PL  
TITLE: City Attorney



November 28, 2017

Mr. Eugene Collings-Bonfill, P.E.  
Chief of Engineering  
City of Doral  
8300 NW 53<sup>rd</sup> Street – Suite 200  
Doral, FL 33166

**RE: *Proposal for Development of Resurfacing Exhibits for Doral Resurfacing Workplan 2018  
City of Doral, Miami-Dade County, Florida***

Dear Mr. Collings:

Kimley-Horn and Associates, Inc. (“Kimley-Horn” or “Consultant”) is pleased to submit this letter agreement (“Agreement”) to the City of Doral (“Client”) to provide professional engineering services for the development of resurfacing exhibits for the roadway segments as listed in the Doral Resurfacing Workplan 2018. 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, and fees follow:

#### PROJECT UNDERSTANDING

1. Our proposed scope of services and fee proposal is based on the Client’s request to develop resurfacing exhibits for the twenty (20) roadway segments as listed in the Doral Resurfacing Workplan 2018, included in Appendix A, which add up to 10,666 linear feet. As discussed in our meeting on November 14, 2017, Kimley-Horn will provide these services to develop the exhibits showing the proposed milling and resurfacing treatment to the segments included in the City’s Work Plan. Per the City of Doral, no pavement cores will be taken.
2. Since this is a resurfacing project, no modifications to the existing drainage systems are expected. Plans will not include drainage.
3. The project will be constructed through an ongoing miscellaneous resurfacing contract. 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.
4. Topographic services are not part of the scope nor have they been provided by the Client.

## SCOPE OF SERVICES

The scope of services for the project will be completed by Kimley-Horn and Associates, Inc. (Kimley-Horn).

### **TASK 01 ROADWAY CONSTRUCTION DOCUMENTS**

A base map of the existing conditions will be prepared, at a scale of 1" = 50', utilizing Miami-Dade County 2013 aerial files. Kimley-Horn will develop plans (resurfacing exhibits) for the roadway segments included in the City's Resurfacing Workplan 2018. Kimley-Horn will submit these plans (100%), as part of one (1) plan set to the Client for approval. Kimley-Horn will provide the final plans upon the client's approval. The plans will show the type of proposed pavement treatment and pavement markings.

The City does not anticipate a permit would be required from Miami-Dade County. Therefore a submittal to the County would not be required. Should signage and pavement markings require modifications to improve a traffic condition as determined by the engineer, then the City will submit plans to Miami-Dade County for approval. Kimley-Horn will meet with Miami-Dade County and address any comments through an additional service task.

Kimley-Horn will submit one (1) electronic copy of the 100% plans to the City of Doral for review. After sufficient review time, comments may be provided.

Kimley-Horn will furnish a letter to each utility company known to operate within the project area notifying them of the project and the one (1) year excavation moratorium on the pavement.

Kimley-Horn anticipates attending one (1) meeting as part of the construction documents phase.

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

**Roadway**

1. A cover sheet utilizing the standard City of Doral cover sheet.
2. Summary of quantities.
3. General notes defining the basis of design and construction requirements will be provided.
4. Roadway improvements will be detailed on the plan sheets, including signing and pavement markings. Plan sheets will be developed at scale 1"=50'.
5. The improvements will be shown on an aerial map base.
6. Miscellaneous Details.
7. Maintenance of traffic (MOT) plans are not part of the scope.
8. Topographic Survey is not part of the scope.
9. Construction cost estimate based on City's ongoing resurfacing Contract.

***Estimated Number of Sheets: 21***

**TASK 02 – THE CLIENT'S ADDITIONAL SERVICES**

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

- Post Design Services
- Construction Phase Services
- Preparation of MOT plans
- Modification of the drainage system
- Meetings, submittals, presentations or coordination in addition to those described in Task 01 and Task 02 above
- Redesign required as a result of major change from scope of services described above
- Pavement design
- Development of plans for roadway reconstruction as a result of recommendations based on cores of existing pavement
- Modifications to the existing signing and pavement markings to improve traffic conditions
- Modifications of existing roadway horizontal and vertical alignments, cross slopes and cross sections
- Permit expediting
- Contamination assessment and related services
- Any work related to grants of easement or right-of-way acquisition
- Topographic survey
- Services not specifically included within "Scope of Services"

**FEE AND BILLING**

Kimley-Horn will accomplish the services outlined in Tasks 01 through 02 on a time and material basis with estimated labor fee shown below. Labor fee will be billed on an hourly basis according to 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. 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**

<b>Task</b>	<b>Description</b>	<b>Labor Fee</b>
<b>01</b>	<b>Roadway Construction Documents</b> .....	<b>\$12,281.00</b>

Kimley-Horn will not exceed the total maximum labor fee shown above without authorization from the Client. Individual task amounts are informational only.

**Total Labor**..... **\$12,281.00**

**02 Additional Services**.....**as Required**

**Task 02 Required Authorization**

\_\_\_\_\_  
*Client Signature Required above*

**CLOSURE**

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.

We appreciate the opportunity to provide these services to you. Please don't hesitate to contact Luis Cubas or myself at (305) 673-2025 if you have any questions.

Very truly yours,

**KIMLEY-HORN AND ASSOCIATES, INC.**

By: Burt Baldo, PE  
*Senior Vice President*

Agreed to this \_\_\_\_ day of \_\_\_\_\_, 201\_\_.

**CITY OF DORAL (A Municipality)**

By: \_\_\_\_\_

(Print or Type Name)

Title: \_\_\_\_\_

(As Authorized by Law)

\_\_\_\_\_  
(Email Address)

\_\_\_\_\_, Witness

\_\_\_\_\_  
(Print or Type Name)

Official Seal:

**FEE QUOTATION PROPOSAL FOR RESURFACING EXHIBITS  
AS PER CITY OF DORAL RESURFACING WORKPLAN 2018**

Consultant's Name: Kimley-Horn and Associates, Inc.  
Project Number:  
Project Length: 2.02 Miles

Prepared by: Luis Cubas, PE  
Date: 11/28/2017

STAFF HOURS									
Activity	Principal Engineer	Project Manager	Sr. Engineer	Engineer	CADD Tech.	CADD Tech.	Staff Hours by Activity	Salary Cost for Activity	
	2%	5%	10%	36%	0%	48%	100%		
1 Roadway Plans	2	5	10	36	0	48	101	\$12,281.45	
2 Pavement Marking & Signing Plans	0	0	0	0	0	0	0	\$0.00	
3 Signalization Plans and School Flashers	0	0	0	0	0	0	0	\$0.00	
4 Roadway Lighting Plans	0	0	0	0	0	0	0	\$0.00	
5 Drainage Design/Plans	0	0	0	0	0	0	0	\$0.00	
6 Post-Design Services	0	0	0	0	0	0	0	\$0.00	
8 Public Involvement	0	0	0	0	0	0	0	\$0.00	
<b>TOTAL HOURS</b>	<b>2</b>	<b>5</b>	<b>10</b>	<b>36</b>	<b>0</b>	<b>48</b>	<b>101</b>	<b>\$12,281.45</b>	
<b>Rates</b>	<b>\$190.75</b>	<b>\$187.48</b>	<b>\$164.02</b>	<b>\$142.50</b>	<b>\$100.00</b>	<b>\$87.20</b>			
<b>Totals S-H and Cost</b>	<b>\$385.32</b>	<b>\$946.77</b>	<b>\$1,656.60</b>	<b>\$5,109.34</b>	<b>\$0.00</b>	<b>\$4,183.42</b>	<b>\$12,281.45</b>	<b>\$121.60</b>	

TOTAL LUMP SUM FEE BREAKDOWN BY ACTIVITY	Amount
Roadway Plans	\$12,281.00
Signing & Marking Plans	\$0.00
Signal Plans (Not Included)	\$0.00
Roadway Lighting Plans (Not Included)	\$0.00
Drainage Plans	\$0.00
=	
Phase I Environmental Assessment (ESA) (optional)	\$0.00
Tree Permitting/Mitigation (Optional)	\$0.00
Public Involvement (not Included)	\$0.00
Wetlands Permitting (Optional)	\$0.00
Post-Design Services (Not Included)	\$0.00
<b>Maximum Lump Sum Fee</b>	<b>\$12,281.00</b>

TOTAL CONTRACT COST COMPUTATIONS	
Total Activity Salary Costs	\$12,281.45
(a) Overhead Additives	
(a1) Combined O-H percent	
(a2) Combined O-H Cost	\$0.00
Subtotal (Salary + Overhead)	\$12,281.45
(b) Operating Margin Percent	\$0
(b1) Operating Margin Cost - Fixed Fee	\$0
Subtotal (Salary Related Cost)	\$12,281.00
Expenses & Optional Services	
(a) Printing & Reproduction	\$ -
(b) Public Involvement (5%)	\$ -
Phase I Env. Assessment (Optional)	\$0.00
Tree Permitting/Mitigation (Optional)	\$0.00
Wetlands Permitting (Optional)	\$0.00
<b>TOTAL KHA</b>	<b>\$12,281.00</b>

KHA	
Design Traffic/Traffic Operations Analysis	
Signal Warrant Analysis	
Signal Plans	
Utility Relocation Plans	
Sub-Consultants	
Surveyor Labor Fees	\$0.00
Geotechnical Labor Fees	\$0.00
	<u>\$0.00</u>

Design Fee	\$12,281.00
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/Utility Locates	\$0.00
Geotechnical	\$0.00
<b>TOTAL FEE</b>	<b>\$12,281.00</b>

PROJ. NO.: \_\_\_\_\_ F.A.P. \_\_\_\_\_ DESCRIPTION: Roadway Improvements

LENGTH IN MILES : 2 FEET : 10,670 LANES: \_\_\_\_\_ DIV'D: \_\_\_\_\_ URBAN: \_\_\_\_\_ X

ITEM	SCALE	BASIS OF ESTIMATE	NO. OF UNITS	NO. OF SHEETS	M - H UNITS	TOTAL M-H	COMMENTS
<b>ROADWAY PLANS</b>							
Key Sheet		SHT	1	1	2	2	Key sheet
Typical Section		EA	0	0	0	0	
Summary of Quantities		SHT	3	3	4	12	Sheet with Quantities
General Notes		SHT	1	1	2	2	
Plan Sheets for M & R	1"=50'	SHT	15	15	4	60	Includes Milling and Resurfacing and Pavement Markings
Plan Sheets New Construction	1"=40'	SHT	0	0	0	0	
Profile Sheets for M & R	1"=40'	SHT	0	0	0	0	N/A
Profile Sheets New Construction	1"=40'	SHT	0	0	0	0	
Intersection Details - Plateau		SHT	0	0	0	0	
Intersection Profiles - Plateau		EA	0	0	0	0	
Intersection Profiles - Side Streets		EA	0	0	0	0	
SWPP Plan		SHT	0	0	0	0	No SWPPP sheets included
Misc. Construction Details		SHT	1	1	5	5	Pavement treatment details, feathering etc.
Maint. of Traffic		SHT	0	0	0	0	No Traffic Control Plans as per sample from City.
Cross-Sections	1"=10'	EA	0	0	0	0	No cross sections are included
Computation book		LS	0		0	0	
Opinion of Probable Cost		EA	1		3	3	
Pavement Design		LS	0		0	0	Pavement design to be provided by the City
Geometry Plan		LS	0		0	0	
FDOT Coordination		EA	0		0	0	
Utility Coordination		LS	1		6	6	Prepare and send plans to UAO in the corridor for coordination.
Railroad Permit and Coordination		LS	1		0	0	
Special Provisions, Technical Specs		HRS	0		0	0	
Value Engineering/Coord		LS	0		0	0	
Meetings and Reviews		HRS	1		3	3	1 Mtg with the City; 1 person @ 3 hrs each / Includes Minutes.
Geotechnical Coordination		LS	1		0	0	Evaluate, Coordinate data, Report
Surveying Data Processing		HRS	1		0	0	Topographic Survey Data Processing/coordination
Field Reviews		EA	1		8	8	1 People@ 8 hrs each
<b>ROADWAY PLANS TOTALS</b>				21		101	

Prepared By: Luis Cubas, PE

Date: November 28, 2017



***APPENDIX A***

Doral Resurfacing Workplan 2018

Street Name	From	To	Recommended Work	Area (SF)	Milling (SY)	Milling Cost	S-3 AC Tons	S-3 AC Cost	Cost	Length (ft)	Constultant	Section	Comments
NW 109TH AVE	NW 90TH ST	NW 86TH ST		56,910.00	6323.32	\$ 12,646.67	347.78	\$ 38,256.17	\$ 50,902.83	1,355	Kimley Horn		
NW 113TH CT	NW 82ND TER	NW 82ND ST		3,730.80	414.53	\$ 829.07	22.80	\$ 2,507.93	\$ 3,336.99	155			
NW 114TH PATH	NW 82ND ST	NW 82ND TER		14,037.36	1559.71	\$ 3,119.41	85.78	\$ 9,436.23	\$ 12,555.64	585			
NW 114TH AVE	NW 90TH ST	NW 88TH ST		14,784.96	1642.77	\$ 3,285.55	90.35	\$ 9,938.78	\$ 13,224.33	616			
NW 114TH AVE	NW 88TH ST	NW 88TH ST + 528 FT		13,086.48	1454.05	\$ 2,908.11	79.97	\$ 8,797.02	\$ 11,705.13	545			
NW 114TH PL	NW 88TH LN	NW 87TH LN		5,040.00	560.00	\$ 1,120.00	30.80	\$ 3,388.00	\$ 4,508.00	210			
NW 115TH CT	NW 88TH LN	NW 87TH LN		5,880.00	653.33	\$ 1,306.67	35.93	\$ 3,952.67	\$ 5,259.33	245			
NW 115TH PL	NW 84TH TER	NW 86TH ST		7,316.64	812.96	\$ 1,625.92	44.71	\$ 4,918.41	\$ 6,544.33	305			
NW 115TH PL	NW 84TH ST	NW 84TH TER		3,198.72	355.41	\$ 710.83	19.55	\$ 2,150.25	\$ 2,861.08	133			
NW 115TH CT	NW 86TH ST	NW 82ND ST		37,099.52	3566.61	\$ 7,133.23	196.16	\$ 21,578.01	\$ 28,711.24	1,337			
NW 116TH AVE	NW 82ND ST	NW 83RD WAY		15,962.88	1773.65	\$ 3,547.31	97.55	\$ 10,730.60	\$ 14,277.91	665			
NW 82ND TER	NW 115TH CT	NW 113TH CT		26,434.80	2937.20	\$ 5,874.40	161.55	\$ 17,770.06	\$ 23,644.46	1,101			
NW 84TH TER	NW 114TH CT	NW 115TH CT		9,724.32	1080.48	\$ 2,160.96	59.43	\$ 6,536.90	\$ 8,697.86	405			
NW 84TH TER	NW 115TH CT	NW 115TH PL		6,407.04	711.89	\$ 1,423.79	39.15	\$ 4,306.95	\$ 5,730.74	267			
NW 84TH ST	NW 115TH CT	NW 115TH PL		5,402.64	600.29	\$ 1,200.59	33.02	\$ 3,631.77	\$ 4,832.36	225			
NW 86TH ST	NW 115TH PL	NW 115TH CT		6,769.44	752.16	\$ 1,504.32	41.37	\$ 4,550.57	\$ 6,054.89	282			
NW 87TH LN	NW 114TH PL	NW 115TH CT		9,720.00	1080.00	\$ 2,160.00	59.40	\$ 6,534.00	\$ 8,694.00	405			
NW 88TH LN	NW 114TH PL	NW 115TH CT		8,760.00	973.33	\$ 1,946.67	53.53	\$ 5,888.67	\$ 7,835.33	365			
NW 88TH ST	NW 114TH PL	NW 114TH AVE		3,553.92	394.88	\$ 789.76	21.72	\$ 2,389.02	\$ 3,178.78	148			
NW 88TH ST	NW 114TH AVE	NW 112TH AVE		31,612.32	3512.48	\$ 7,024.96	193.19	\$ 21,250.50	\$ 28,275.46	1,317			