

KIMLEY-HORN AND ASSOCIATES, INC.
TAXIWAY D REHABILITATION
AMENDMENT NO. 2 – TAXIWAY D SAFETY AREA MODIFICATION TO
STANDARD (MOS) AND DESIGN TAXIWAY D AS RECONSTRUCTION

In accordance with the provisions of the Engineering Agreement for Planning and Engineering Professional Consulting Services dated October 21, 2021, Kimley-Horn and Associates, Inc. (Consultant) agrees to the following amended services:

Scope of Services:

The original scope of services includes engineering, bidding and construction administration services associated with the Taxiway D Rehabilitation. This amendment follows a January 7, 2022, pre-design meeting call for the Taxiway “D” Rehabilitation project attended by Kimley-Horn, FAA and Charlotte County Airport Authority (CCAA). In summary, a revised approach is warranted based on the results of the project topographic survey and geotechnical investigation. The following is to be addressed and incorporated into the contract bid documents for Taxiway D:

Project Description

The description has been revised from a rehabilitation project to a reconstruction project. The project also includes revised geometry (fillets), electrical edge lighting and signage.

Typical Section – Prior to the survey and geotechnical investigation, the design approach called for a rehabilitation consisting of a 2-inch mill and 2-inch overlay. Based on the field data obtained and as discussed, the typical section has been revised to a full depth removal and reconstruction. In summary, the existing base and asphalt will be removed and replaced.

Grading – To avoid a significant change in Taxiway’s D elevation, A Modification to Standards (MOS) will be submitted for revised shoulder/RSA grading.

Geometry – With the complete removal and replacement of the existing asphalt and base, the taxiway geometric fillets will be designed to comply with the most current FAA standards.

Taxiway Edge Lights – The revised geometry will warrant the removal and replacement of the existing taxiway edge lighting.

The work authorized with this Amendment No. 2 includes:

TASK 1 – TAXIWAY D SAFETY AREA MOS

1. Evaluate existing survey against FAA TSA criteria.
2. Kimley-Horn will prepare exhibits and correspondence demonstrating TSA grading using minimum transverse slopes and evaluate feasibility of maintaining site stormwater runoff characteristics.
3. Kimley-Horn will prepare additional exhibits and documentation for preparation of a Modification of Standards (MOS) for Taxiway D RSA grading.
4. Kimley-Horn will work with PGD Staff and complete the information required of the MOS for submission to FAA.
5. Kimley-Horn will assist PGD in response to comments received from FAA.

6. Kimley-Horn shall manage Task 1 in accordance with customary practices for design projects. KHA's internal administration for staffing and coordination.

TASK 2 – DESIGN TAXIWAY D AS RECONSTRUCTION

1. Prepare contract drawings in support of a full depth asphalt reconstruction within the project limits. The design will provide for the full depth asphalt removal; new full depth asphalt pavement section; demolition of existing taxiway edge lighting, cans, conduit, conductors and signage; and provide new taxiway edge lighting, cans, conduit, conductors and signage. Contract drawing preparation to address Taxiway D as reconstruction include:

Civil Demolition Plans

Taxiway Geometric Plans

Taxiway Profile

Taxiway and Safety Area Grading/Contours

Typical Sections – Full Depth Removal and Full Depth Replacement

Taxiway X-Sections at 100' intervals

Electrical Signage and Edge Lighting Demolition and Layout

Electrical Construction Details

2. Prepare contract technical specification in support of the full depth asphalt reconstruction within the project limits.
3. Prepare contract bid items and quantities in support of the full depth asphalt reconstruction within the project limits. Quantities will be developed on a per/phase basis to determine the appropriate construction durations for each phase.
4. Kimley-Horn shall manage Task 2 in accordance with customary practices for design projects. KHA's internal administration for staffing and coordination.

TASK 3 – CONSTRUCTION ADMINISTRATION

Amendment 2 assumes an additional 8 weeks of construction will be added to the duration of the project. Activities during construction administration include:

1. General Administration of Construction Contract
2. Visit to Site and Observation of Construction
3. Clarifications and Interpretations
4. Shop Drawings and Samples
5. Evaluate Contractor Pay Requests

Prepare contract drawings in support of a full depth asphalt reconstruction within the project limits.

Assumptions/Exclusions:

1. SWFWMD Environmental Resource Permit will be the responsibility of the PGD Staff.

Basis of Compensation:

The fee for the additional work as described above is (Lump Sum) \$73,711.00.

		Original Contract Amount =	\$	626,684.00
		Kimley-Horn, Amendment No. 1 =	\$	14,646.00
		Total Contract Amount Through Amendment No. 1 =	\$	641,330.00
		Kimley-Horn, Amendment No. 2 =	\$	73,711.00
		Total Contract Amount Through Amendment No. 1 and No. 2 =	\$	715,041.00

**CHARLOTTE COUNTY
AIRPORT AUTHORITY**

DocuSigned by:

James W. Parish

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By

James W. Parish, P.E.

Print Name

CEO

Print Title

1/20/2022

Date

KIMLEY-HORN AND ASSOCIATES, INC.

DocuSigned by:

Nathan Lee

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By

Nathan Lee, P.E.

Print Name

Vice President

Print Title

1/19/2022

Date

**AMENDMENT NO. 2 - HOUR AND FEE PROPOSAL
PUNTA GORDA AIRPORT (PGD)
TAXIWAY D REHABILITATION - TAXIWAY SAFETY AREA MOS AND RECONSTRUCTION**

KIMLEY-HORN AND ASSOCIATES	CHIEF ENGINEER		SENIOR PROJECT MANAGER		SENIOR PROF. ENGINEER		PROFESSIONAL ENGINEER II		PROFESSIONAL ENGINEER I		DESIGNER/ ENGINEERING TECH		ADMINISTRATIVE/ CLERICAL		TOTAL	
	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost	labor hours	Cost
Rate (\$/Hour):	\$250		\$242		\$202		\$175		\$135		\$104		\$74			
BASIC SERVICES - WETLAND REHABILITATION, PHASE 2																
TASK 1 - PREPARATION OF MODIFICATION OF STANDARD																
1.1 Evaluate existing survey against FAA TSA criteria	2.0	\$500		\$0		\$0	5.0	\$875		\$0		\$0		\$0	7.0	\$1,375
1.2 Prepare exhibits/correspondance of minimum transverse grades	1.0	\$250	8.0	\$1,936		\$0	6.0	\$1,050		\$0		\$0		\$0	15.0	\$3,236
1.3 Exhibits and documentation for MOS Standards	2.0	\$500		\$0		\$0	8.0	\$1,400		\$0		\$0		\$0	10.0	\$1,900
1.4 Work with PGD Staff to prepare MOS narrative	4.0	\$1,000		\$0		\$0	2.0	\$350		\$0		\$0		\$0	6.0	\$1,350
1.5 Follow up with FAA and respond to comments	4.0	\$1,000		\$0		\$0	2.0	\$350		\$0		\$0		\$0	6.0	\$1,350
1.6 Project Management	2.0	\$500		\$0		\$0		\$0		\$0		\$0		\$0	2.0	\$500
		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0.0	\$0
Sub-Total TASK 1 - PREPARATION OF MOS	15.0	\$3,750	8.0	\$1,936	0.0	\$0	23.0	\$4,025	0.0	\$0	0.0	\$0	0.0	\$0	46.0	\$9,711
TASK 2 - DESIGN FOR RECONSTRUCTION																
2.1 Drawing Preparation		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0.0	\$0
Civil Demolition Plans	1.0	\$250		\$0	2.0	\$500	10.0	\$2,500		\$0		\$0		\$0	13.0	\$3,250
Taxiway Geometric Plans	1.0	\$250		\$0		\$0	16.0	\$4,000		\$0		\$0		\$0	17.0	\$4,250
Taxiway Profile	1.0	\$250		\$0		\$0	16.0	\$4,000		\$0		\$0		\$0	17.0	\$4,250
Taxiway Safety Area Grading/Contours	1.0	\$250		\$0		\$0	30.0	\$7,500		\$0		\$0		\$0	31.0	\$7,750
Typical Sections – Full Depth Removal and Full Depth Replacement	1.0	\$250		\$0	2.0	\$500		\$0	8.0	\$2,000		\$0		\$0	11.0	\$2,750
Taxiway X-Sections at 100' intervals	1.0	\$250		\$0	8.0	\$2,000	30.0	\$7,500		\$0		\$0		\$0	39.0	\$9,750
Electrical Signage and Edge Lighting Demolition and Layout	1.0	\$250		\$0	4.0	\$1,000	40.0	\$10,000		\$0		\$0		\$0	45.0	\$11,250
Electrical Construction Details	1.0	\$250		\$0	2.0	\$500		\$0	8.0	\$2,000		\$0		\$0	11.0	\$2,750
2.2 Technical Specifications	3.0	\$750		\$0	8.0	\$2,000		\$0		\$0		\$0		\$0	11.0	\$2,750
2.3 Project Bid Items and Quantities	1.0	\$250		\$0	8.0	\$2,000		\$0		\$0		\$0		\$0	9.0	\$2,250
2.4 Project Management	10.0	\$2,500		\$0		\$0		\$0		\$0		\$0		\$0	10.0	\$2,500
		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0.0	\$0
		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0.0	\$0
		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0.0	\$0
Sub-Total TASK 2 - DESIGN FOR RECONSTRUCTION	22.0	\$500	0.0	\$0	34.0	\$8,500	142.0	\$35,500	16.0	\$4,000	0.0	\$0	0.0	\$0	214.0	\$53,500
TASK 3 - CONSTRUCTION ADMINISTRATION																
3.1 General Administration of Construction Contract	10	\$2,500		\$0		\$0		\$0		\$0		\$0		\$0	10	\$2,500
3.2 Visit to Site and Observation of Construction		\$0		\$0	10	\$2,500		\$0		\$0		\$0		\$0	10	\$2,500
3.3 Clarifications and Interpretations		\$0		\$0	10	\$2,500		\$0		\$0		\$0		\$0	10	\$2,500
3.4 Shop Drawings and Samples		\$0		\$0	10	\$2,500		\$0		\$0		\$0		\$0	10	\$2,500
3.5 Evaluate Contractor Pay Requests	2	\$500		\$0		\$0		\$0		\$0		\$0		\$0	2	\$500
Sub-Total TASK 3 - CONSTRUCTION ADMINISTRATION	12	\$3,000	0	\$0	30	\$7,500	CONSTRUCT	\$0	0	\$0	0	\$0	0	\$0	42	\$10,500
TOTAL ALL LABOR	37	\$9,250	8	\$1,936	34	\$8,500	165	\$39,525	16	\$4,000	-	\$0	-	\$0	260	\$73,711

Total Basic Services Fee: \$73,711