

Meeting Date: November 10, 2015

Agenda Item 2

REQUESTED COMMISSION ACTION:

Consent Ordinance Resolution Consideration Workshop

SHORT TITLE

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. TWO IN THE AMOUNT OF \$114,120 PURSUANT TO THE CONTINUING CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND KIMLEY-HORN AND ASSOCIATES, INC. TO DEVELOP A WILDLIFE HAZARD ASSESSMENT AND MANAGEMENT PLAN OF THE MUNICIPAL AIR PARK; PROVIDING AND EFFECTIVE DATE. (FISCAL IMPACT \$14,657.00 AIRPARK, FDOT GRANT \$8,333, FAA ENTITLEMENT FUNDING \$91,130)

OR MOTION:

Summary of Purpose and Why: The Federal Aviation Administration (FAA) recommends that public-use airport operators who receive Federal grant-in-aid assistance implement standards and practices which discourage attracting hazardous wildlife. Kimley-Horn will collect data, analyze the data, and use the collected data to prepare a Wildlife Assessment. The Wildlife Assessment will be used in developing the Wildlife Management Plan.

QUESTIONS TO BE ANSWERED BY ORIGINATING DEPARTMENT:

- (1) Origin of request for this action: STEVEN ROCCO
- (2) Primary staff contact: STEVEN ROCCO/ROBERT MCCAUGHAN Ext 4135/4097
- (3) Expiration of contract, if applicable: N/A
- (4) Fiscal impact and source of funding: \$14,657.00 source of funding in Special Services Account 462-4610-542.4650

DEPARTMENTAL COORDINATION	DATE	DEPARTMENTAL RECOMMENDATION	DEPARTMENTAL HEAD SIGNATURE
Public Works	<u>10/22/15</u>	APPROVE	<u>Robert McCaughan</u>
General Services	<u>10/27/15</u>	APPROVE	<u>[Signature]</u>
Finance	<u>11/2/15</u>	APPROVE	<u>[Signature]</u>
City Attorney	<u>11/3/15</u>	APPROVE	<u>[Signature]</u>
Budget	<u>11-4-15</u>	APPROVE	<u>[Signature]</u>

Advisory Board
 Development Services Director
 City Manager [Signature]

[Signature]

ACTION TAKEN BY COMMISSION:

<u>Ordinance</u>	<u>Resolution</u>	<u>Consideration</u>	<u>Workshop</u>
1st Reading	1st Reading	Results:	Results:
_____	_____	_____	_____
2nd Reading	_____	_____	_____
_____	_____	_____	_____



City Attorney's Communication #2016-52

October 14, 2015

TO: Steve Rocco, Air Park Manager

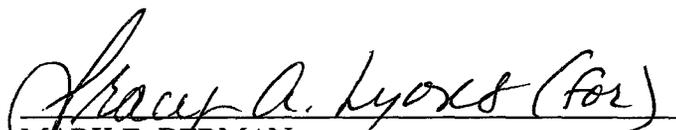
FROM: Mark E. Berman, City Attorney

RE: Resolution – Work Authorization No. Two / Wildlife Hazard Assessment and Management Plan

As requested in your memorandum of October 9, 2015, Public Works Department Memorandum No. 2016-0001, the following form of Resolution, relative to the above-referenced matter, has been prepared and is attached:

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPAÑO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. TWO IN THE AMOUNT OF \$114,120.00 PURSUANT TO THE CONTINUING CONTRACT BETWEEN THE CITY OF POMPAÑO BEACH AND KIMLEY-HORN AND ASSOCIATES, INC. TO DEVELOP A WILDLIFE HAZARD ASSESSMENT AND MANAGEMENT PLAN FOR THE MUNICIPAL AIR PARK; PROVIDING AN EFFECTIVE DATE.

Please feel free contact me if I may be of further assistance.


MARK E. BERMAN

/jrm
l:cor/airpark/2016-52

Attachment

CITY OF POMPANO BEACH
Broward County, Florida

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. TWO IN THE AMOUNT OF \$114,120.00 PURSUANT TO THE CONTINUING CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND KIMLEY-HORN AND ASSOCIATES, INC. TO DEVELOP A WILDLIFE HAZARD ASSESSMENT AND MANAGEMENT PLAN FOR THE MUNICIPAL AIR PARK; PROVIDING AN EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA:

SECTION 1. That Work Authorization No. Two between the City of Pompano Beach and Kimley-Horn and Associates, Inc. relating to the development of a Wildlife Hazard Assessment and Management Plan for the Municipal Air Park, a copy of which Work Authorization is attached hereto and incorporated by reference as if set forth in full, is hereby approved.

SECTION 2. That the proper City officials are hereby authorized to execute said Work Authorization between the City of Pompano Beach and Kimley-Horn and Associates, Inc.

SECTION 3. This Resolution shall become effective upon passage.

PASSED AND ADOPTED this _____ day of _____, 2015.

LAMAR FISHER, MAYOR

ATTEST:

ASCELETA HAMMOND, CITY CLERK

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

Date: February 6, 2015

WORK AUTHORIZATION NO. Two - Wildlife Hazard Assessment and Management Plan

PROJECT NO. _____

TITLE: Pompano Beach Air Park – Wildlife Hazard Assessment and Management Plan

The services rendered pursuant to this Task Authorization No. Two are in accordance with the terms and conditions of the agreement for Professional Services between the City of Pompano Beach and Kimley-Horn and Associates, Inc. dated July 12, 2011 City resolution 2011-272, amended the 24th of September 2012 and approved by City resolution No. 2012-378, and amended the 24th of September 2013 and approved by City Resolution No. 2013-376 and amended the 16th of September 2014 and approved by City Resolution No.2014-305.

I. PROJECT DESCRIPTION

The Federal Aviation Administration (FAA) recommends that public-use airport operators who receive Federal grant-in-aid assistance implement standards and practices which discourage attracting hazardous wildlife on or near public-use airports. The development of a Wildlife Hazard Assessment is the first step in identifying potential hazards and in the development of a Wildlife Management Plan. The assessment includes a comprehensive review of wildlife on and in the vicinity of the Air Park and development of recommendations to reduce the identified wildlife hazard attractants.

Once the assessment is complete a Wildlife Hazard Management Plan will be developed based on the recommendations approved in the 12 month assessment. The Management Plan will be a concise document that includes the components pursuant to the guidelines in the Federal Register 14 CFR 139.337 (f).

II. SCOPE OF WORK

Task 1 – Review of Wildlife Strike Data and Methodology Development

The Kimley-Horn (KH) team comprising of Kimley-Horn and Associates and Environmental Resource Solutions (ERS) will collect past wildlife strike data from the FAA’s National Wildlife Strike Database and airport personnel to provide background information and/or trend history of reported strikes and wildlife hazard issues at the airpark (PMP). This information will be used

to prepare the methodology and locations used for data collection and analysis for the Wildlife Hazard Assessment document.

Task 2 – Initial Site Inspection

The KH team will hold a project “kick-off” meeting with airport staff and other stakeholders (as determined through consultation with the City). During the kick-off meeting, we will evaluate the airport operations area (AOA) and airport property to determine any changes from previous wildlife evaluations conducted at PMP, to identify potential wildlife hazard attractants and to evaluate the proposed wildlife observation areas. The site visit will focus on the AOA area, perimeter fencing, and any known wildlife hazard attractants on airport property. A technical memorandum outlining the findings from the initial site inspection will be prepared. This technical memo may include initial and/or interim recommendations to decrease potential wildlife hazard attractants depending on the findings.

Task 3 – Wildlife Surveys and Data Collection

Task 3.1- Identification of potentially hazardous wildlife species

1) Fixed-Point Surveys: Team biologists will conduct fixed-point surveys each month for one year at 10 to 20 pre-determined “Monitoring Stations”. The monitoring stations will be located along a survey circuit on the AOA and at off-site points surrounding the airpark. Two survey events will be conducted at PMP each month. Each survey event will consist of a dawn, midday, and dusk survey at each monitoring station. The wildlife biologists will record all species observations within a 5 minute interval at each monitoring station. Observations at these locations are documented through the use of a grid system. Binoculars will be used to observe and identify species. Survey events can occur at any time throughout the month. As with many other airports, the most cost effective approach to twice monthly surveys is to conduct two rounds of surveys within the same week.

2) General Observations: General observations will include any incidental wildlife observations made when not conducting a fixed-point survey at a station, e.g., observations made while traveling between stations or while conducting other activities on airport property. A grid overlaid on an aerial map of PMP will be used to identify the locations of these observations and they will be included in the Wildlife Hazard Assessment report.

3) Night Spotlight Surveys: Spotlight surveys will be conducted once a month following a fixed-point dusk survey, approximately 1-2 hours after sunset. Biologists will drive along service and perimeter roads on the airport property, and record all wildlife observations and their locations using the grid system. The focus of the spotlight survey is within the AOA.

4) Small-mammal Transects: Team biologists will establish several small-mammal trapping transects in order to monitor, via trapping, the presence or absence of small mammals on the airfield. Small-mammal transects will be surveyed twice during the 12 month assessment, once

each during the spring and fall seasons. Each survey consists of setting at least 50 Sherman-live traps.

Task 3.2 Identification and location of wildlife attractants

Habitat types, human activities, and other environmental factors influence the occurrence of potentially hazardous wildlife at PMP. To identify these wildlife attractants and their locations, the following data sources and onsite reconnaissance:

1. **Recent aerial photographs:** Aerial surveys of the airport and the surrounding area will be used to gain information regarding the location of onsite and nearby wetlands and surface waters as well as the location of other potential wildlife attracting features.
2. **Review of FAA Wildlife Strike Database:** Reviewing the current wildlife strike reports at PMP will give insight into what kind of species are currently causing concerns.
3. **Observations during the fixed-point surveys:** While conducting the fixed-point surveys and traveling between the monitoring stations, biologists will take note of all wetland areas, ditches, overgrown vegetation, low areas of standing water on the airfield, fence breaches, trees (also towers and signage) suitable for nesting or roosting on or near the airfield, stormwater ponds, and food sources (insects, vegetation, etc.) that could potentially attract wildlife. Observations will be noted on field data sheets.
4. **General review of on-site and off-site areas:** On-site evaluations will include review of the hangars and other buildings or structures on the airfield that may contain nesting or roosting sites; review of dumpsters and other waste receptacles near the public areas that may be attracting small mammals and birds. Off-site reviews will include restaurants with open dumpsters, the City of Pompano golf course, areas of open water and wetlands, and sewage disposal ponds and these areas may be noted as possible wildlife attractants near PMP in the Wildlife Hazard Assessment.

Task 4 – Data Input Analysis and Development of Recommendations

The wildlife observation data from Task 3 will be compiled for analysis. The following data analysis and/or graphic displays of analysis are included as part of the assessment document:

- Grid based wildlife data densities, seasonal densities, and if needed, species specific density graphics;
- Tabular and/or graph formatted data summaries of the above grid based wildlife data;
- Season or daily trend analysis of wildlife observation data;
- Night Spotlight Survey data analysis; and
- Small-mammal sampling data analysis.

To correlate the wildlife hazards to aircraft operations the following data analysis/graphic display of data will be conducted:

- Major flight corridors/operational activity compared to wildlife observation data;
- Wildlife observation data related to FAA AC 150/5200-33 (current edition), "Ranking of species groups as to relative hazard to aircraft..." information.
- A description of potential wildlife hazards within the FAA separation criteria outlined in FAA AC 150/5200-33 (current edition). This information will include general land use designations and potential areas for wildlife hazard attractants (for example: landfills, documented nesting sites, wildlife refuges, or protected natural areas managed for potentially hazardous wildlife):
 - 5,000 feet from the nearest air operations area (piston powered aircraft)
 - 10,000 feet from the nearest air operations area (turbine powered aircraft)
 - 5-mile range to protect approach, departure and circling airspace.

The KH will develop a list of recommended actions to reduce the identified wildlife hazard attractants on or near PMP. These recommendations will be based on the site reviews, wildlife monitoring survey, data analysis, and PMP personnel information that were gathered throughout the assessment process. Draft recommendations will be coordinated with PMP staff prior to finalizing the document.

Task 5 – Draft and Final WHA Document - Comment Review and FAA Submittal

The KH team will develop a Draft Wildlife Hazard Assessment document and submit the draft document to PMP for review and comment. After incorporating staff comments and edits, A Final Wildlife Hazard document will be prepared for submittal to the FAA. If necessary, we will provide assistance in responding to comments or questions from the FAA regarding the Final WHA document.

Task 6- Prepare Wildlife Hazard Management Plan

The KH team will work with Airpark staff to develop a Wildlife Hazard Management Plan (WHMP). The WHMP will be based on the recommendations approved in the 12-month Wildlife Hazard Assessment (WHA). The WHMP is a concise document that includes the following required components pursuant to the guidelines in 14 CFR 139.337 (f).

(1) A list of the individuals having authority and responsibility for implementing each aspect of the plan.

(2) A list prioritizing the following actions identified in the Wildlife Hazard Assessment and target dates for their initiation and completion:

(i) Wildlife population management;

(ii) Habitat modification; and

(iii) Land use changes.

(3) Requirements for and, where applicable, copies of local, State, and Federal wildlife control permits.

(4) Identification of resources that the Airpark will provide to implement the plan.

(5) Procedures to be followed during operations at PMP that at a minimum includes—

(i) Designation of personnel responsible for implementing the procedures;

(ii) Provisions to conduct physical inspections of the aircraft movement areas and other areas critical to successfully manage known wildlife hazards before operations begin;

(iii) Wildlife hazard control measures; and

(iv) Ways to communicate effectively between personnel conducting wildlife control or observing wildlife hazards and the air traffic control tower.

(6) Procedures to review and evaluate the wildlife hazard management plan every 12 consecutive months or following an event including:

(i) The plan's effectiveness in dealing with known wildlife hazards on and in the airport's vicinity and

(ii) Aspects of the wildlife hazards described in the wildlife hazard assessment that should be reevaluated.

(7) A training program conducted by a qualified wildlife damage management biologist to provide airport personnel with the knowledge and skills needed to successfully carry out the wildlife hazard management plan.

This task includes one (1) site visit and up to two (2) conference calls to review required information specific to PMP for inclusion in the plan. A Draft WHMP document (one digital copy) will be provided to PMP staff for review and comment. The KH Team will address airport comments and provide a Final WHMP (one digital and two print copies) to PMP for submittal to the Florida Department of Transportation (FDOT) and/or FAA. The KH Team will assist PMP staff in addressing comments from FDOT/FAA and revise the document if necessary.

Task 7 – Wildlife Training

The Consultant will conduct one wildlife hazard training exercise for PMP airport staff involved in the implementation of the WHMP. The training curriculum will be in accordance with FAA Wildlife Hazard Training guidelines outlined in A/C 150/5200-36A appendix D. The training will consist of one, four to six hour training session. During this training session, there will be a classroom portion and a field portion of training. The classroom portion of the training will utilize PowerPoint presentations and informational handouts to attendees. The field portion of the training will include wildlife observations and firearms safety training by a certified firearms

instructor (firearms safety applies to both pyrotechnics and live ammunition). If the airport intends to utilize pyrotechnics as part of their wildlife hazard management program, each attendee will participate in launching a pyrotechnic in a safe manner as part of the required training (pyrotechnic materials to be provide by the airport). A written evaluation will be administered to all class participants. A training log sheet for each participant will be provided to PMP for their training records.

Meetings/Consultation. Any requested meetings or consultation that are beyond the scope of services as described above will be invoiced on a time and materials basis at standard hourly rates (see attached fee schedule).

III. PROJECT SCHEDULE

We will provide our services within a reasonable length of time to meet a mutually agreed upon schedule. On site surveys will be conducted over a one year period. Documentation suitable for submittal to the FAA should be complete within 30 days of the final on site observation.

I. COMPENSATION

KH and it’s subconsultant will perform the Scope of Services described below for a lump sum fee identified below. There are no anticipated additional task related fees, such as permit fees, however, if they arise, the City will be notified prior to expending any cost.

The fees for these services are:

	<u>Task Total</u>	
	KHA	ERS
Task 1 –Review of Wildlife Strike Data & Methodology Development	\$5,210	\$3,000
Task 2 –Initial Site Inspection	\$ 6,660	\$3,500
Task 3 –Wildlife Surveys and Data Collection	\$37,120	\$17,965
Task 4 – Data Input Analysis and Development of Recommendations	\$ 8,280	\$5,000
Task 5 – Draft and Final WHA Document	\$12,020	\$2,500
Task 6- Prepare Wildlife Hazard Management Plan	\$2,230	\$5,580
<u>Task 7- Wildlife Training</u>	<u>\$2,320</u>	<u>\$2735</u>
SubTotal:	\$73,840	\$40,280
Total	\$114,120	

"CONSULTANT"
KIMLEY-HORN AND ASSOCIATES, INC.

Witnesses:

[Handwritten Signature]
Signature

By: *[Handwritten Signature]*
Signature

Cynthia Michael C. May
Name, Typed, Printed or Stamped

GARY R. RATAY
Name, Typed, Printed or Stamped

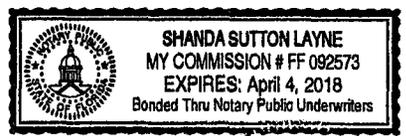
Title: SENIOR ASSOCIATE

Address: 600 N PINE ISLAND ROAD, STE 450
PLANTATION, FL 33324

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instruments were acknowledged before me this 4th day of November
2015, by Gary R. Ratay
on behalf of Kimley-Horn and Associates, Inc
who are personally known to me or has produced _____
as identification (type of identification).

NOTARY'S SEAL



[Handwritten Signature]
NOTARY PUBLIC, STATE OF FLORIDA
Shanda S. Layne
(Name of Acknowledger Typed, Printed or Stamped)
FF 092573
Commission Number

"CONSULTANT"
KIMLEY-HORN AND ASSOCIATES, INC.

Witnesses:

Signature

By: _____
Signature

Name, Typed, Printed or Stamped

Name, Typed, Printed or Stamped

Title: _____

Address: _____

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instruments were acknowledged before me this _____ day of _____,
2015, by _____
on behalf of _____,
who are personally known to me or has produced _____
as identification (type of identification).

NOTARY'S SEAL

NOTARY PUBLIC, STATE OF FLORIDA

(Name of Acknowledger Typed, Printed or
Stamped)

Commission Number