

## EXHIBIT E-3

**Amended Work Authorization No.: ATKINS-04-27 AMD 2**  
**RLI/RFP No.: RLI No. R0729109R1**  
 Under Board of County Commissioner's Award Authority for Services

**Consultant:** Atkins North America, Inc. f/k/a PBS&J

**Project No.:** AEP 1133

**Project Title:** Expansion of Runway 9R/27L

**RLI/RFP Title:** Consultant Services for Expansion of Runway 9R/27L at Fort Lauderdale-Hollywood International Airport in Broward County, Florida

**Facility Name:** Fort Lauderdale-Hollywood International Airport

This Amended Work Authorization (WA) is issued pursuant to the Agreement between Broward County and Atkins North America, Inc. f/k/a PBS&J ("Lead Designer"), for Consultant Services in Broward County, which was approved by the Board of County Commissioners on April 6, 2010. Nothing contained in this Work Authorization shall alter, modify or change in any way the terms and conditions of the Agreement with the County.

This Amended Work Authorization provides for services consistent with the Agreement referenced above and as specifically described in the attached proposal and scope. Payment for such services shall be in accordance with the Agreement.

The time period for this Amended Work Authorization shall consist of Six Hundred Thirty-eight (638) additional calendar days. This Amended Work Authorization shall not extend beyond the Agreement term without the approval of the Board of County Commissioners, unless expressly provided for in the Agreement.

In consideration of the County's issuance of, payment under this Amended Work Authorization and grant of Six Hundred Thirty-Eight (638) additional days for completion of the Work, Consultant waives and releases any and all claims associated with the performance of the Work described in this Amended Work Authorization. This Amended Work Authorization constitutes full accord and satisfaction of all claims for time and compensation associated with the Work authorized by this Amended Work Authorization for all events occurring prior to execution of this Work Authorization.

**Budget**  
4400-400-1133-6510

**Requisition Number**  
SC400AVC40810000000000034

**Aviation Department Division**  
Airport Expansion Program \_

**Fee Determination:** Payment for services under this Amended WA shall be as follows:

Description	TYPE	Original Work Authorization	Amendment # 01 (NTE)	Amendment # 02 (NTE)	Revised Total Work Authorization
Project Management	Lump Sum	\$ 7,593.00	\$ 3,576.00	\$ 7,421.00	\$18,590.00
Task 1 Assessment WP 303	MNTE	\$ 7,823.00			\$ 7,823.00
Task 2 Permitting/Relocation WP 303	MNTE	\$10,221.00			\$10,221.00
Task 3 Assessment WP 302/304	MNTE	\$10,989.00			\$10,989.00
Task 4 Permitting/Relocation WP 302/304	MNTE	\$12,255.00			\$12,255.00
Task 5 Assessment WP 305	MNTE	\$ 5,975.00			\$ 5,975.00
Task 6 Permitting/Relocation WP 305	MNTE	10,768.00			\$10,768.00
Task 7a Airside Relocation	Lump Sum		\$29,032.00		\$29,032.00
Task 7b Landside Relocation	MNTE		\$32,205.00		\$32,205.00
Task 7c Permit Coordination/Modification for Additional Burrows	MNTE		\$ 5,296.00		\$ 5,296.00
Task 7d Permit Compliance/Submittal	MNTE		\$ 6,210.00		\$ 6,210.00
Task 8a Owl Relocation (3x/week-through Dec. 2014)	MNTE			\$40,697.00	\$40,697.00
Task 8b Owl Relocation (2x/week – through Dec. 2014)				\$34,937.00	\$34,937.00
Task 8c Permit Compliance/Submittal- May 2015	MNTE			\$10,737.00	\$10,737.00
Task 8d Permit Extension	MNTE			\$ 8,000.00	\$ 8,000.00
Task 8e Owl Relocation – (3x week – through April 2015)	MNTE			\$ 28,000.00	\$28,000.00
Reimbursables	MNTE	\$0.00	\$ 3,681.00		\$ 3,681.00
Total Maximum Cost		\$65,624.00	\$80,000.00	\$129,792.00	\$275,416.00
Calendar Days*		360	246	638	1244

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\*The time period for this work is driven by the duration of construction performed by the contractors working on the Expansion of Runway 9R/27L. As long as there is active Burrowing Owls within the vicinity of the construction a Licensed (by the Florida Fish and Wildlife Conservation Commission) Environmental Specialist must be on-staff to assess, monitor, collapse burrows, relocate Burrowing Owls, and maintain compliance with the relocation permit(s)

County

County Administrator and Ex-Officio  
Clerk of the Board of Broward County  
Commissioners

Broward County, through its  
Board of County Commissioners

Recommended by:

  
David Roepnack,  
Expansion Project Administrator


5/20/2014  
Date

Mayor

Date

Barbara Sharief  
Print Name

Print Name

  
Trevor M.A. Fisher, P.E. MBA  
Contract Administrator

5/20/14  
Date

Print Name

Approved:

  
Aviation Department  
Tracy Meyer, Esq.  
Risk Insurance and  
Contracts Manager

5.21.14

Approved as to form by  
Joni Armstrong Coffey  
Broward County Attorney  
Aviation Office  
2200 SW 45<sup>th</sup> Street, Suite 101  
Dania Beach, Florida 33312  
Telephone: (954) 359-6100  
Telecopier: (954) 359-1292

  
Assistant County Attorney

5/21/14  
Date

Alexander J. Williams  
Print Name

  
Chief Trial Counsel

5/21/14  
Date

Michael J. Kerr  
Print Name

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Consultant

Attest:

By:

Rene de los Rios May 19, 2014  
Secretary Date  
Rene de los Rios  
Assistant Secretary  
Print Name

Justin P. Jones May 19, 2014  
☐ President ☒ Vice President Date  
~~Glenn F. Myers~~ Justin P. Jones  
Print Name

Corporate Seal



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EXHIBIT A

OPTIONAL SERVICES - SCOPE OF SERVICES

Burrowing Owl Assessment, Permitting and Relocation (the "Project")

1.0 **PROJECT DESCRIPTION**

The Project is generally described as follows: assessment, permitting and relocation of burrowing owls associated with the expansion of Runway 9R-27L at the Fort Lauderdale-Hollywood International Airport (FLL).

***On-going assessment and relocation, as necessary, of burrowing owls during construction.***

2.0 **BASIS OF SCOPE**

1. The agencies with jurisdiction for this Project include the Florida Fish & Wildlife Conservation Commission (FFWCC).

***A migratory bird nest removal permit (number LSNR-12-00034) was issued from the Florida Fish and Wildlife Conservation Commission on May 23, 2012. The permit is valid until December 31, 2014 for the relocation / collapse of up to twenty-five inactive burrows.***

2. A burrowing owl burrow is considered active between the months of February and July, unless proven otherwise by direct observation of the burrow during two weeks (3 times a week) of observation with no adult owls observed.
3. The burrowing owl assessment should be completed within six (6) months of construction. If construction occurs later than six (6) months after completion of the burrowing owl assessment, an additional assessment will need to be completed. This additional assessment is not included under this OSWA. Monitoring of the construction site and any additional assessment of burrowing owls will require a separate work authorization by BCAD.

***The initial relocation and burrow collapse of 13 nests have occurred prior to this Amendment. This amendment shall provide relocation of any reestablishment prior to any potential nesting occupation. It is possible for owls to reoccupy former areas. The likelihood of nest with eggs to be established is between February and July, however can be as early as October. If eggs or flightless young occupy the nest, it will need to be avoided (via 50' radius) until the young are able to leave the nest. An inactive nest can be relocated if flightless young are not present and an owl is not in the nest. Specific scoping and monitoring of the nests is required to make sure they are not occupied by flightless young. Due to the presence of nests during the nesting season, monitoring and relocation efforts will be required on a regular basis (multiple times per week) to determine the fledgling of the juveniles and determine the nest is not active and subsequently can be relocated and relocate nests prior to reoccupation.***

4. The project consists of three construction phases as identified in Figure 1. Tasks below refer to specific construction phases. Escorts are provided in this scope.

***This amendment is for all work packages for the airport since there will be ongoing construction and the owls will not be constrained by an artificial construction boundary.***

***Consultant is not badged and it is anticipated that an escort will be required during this construction phase while any areas being relocated are airside – estimated until May 2013.***

5. Upon removal of owl burrows from the construction area, the entire area should be covered with landscape fabric or some other barrier to prevent owls from returning. The barrier should remain in



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place until construction is imminent. Installation of the barrier should be completed by the Client or Client's contractor.

6. It is possible for an owl to return to a construction site overnight if the site is not properly covered. If an owl returns to a construction site and digs a new burrow, a new permit may be necessary. This additional permitting is not included under this OSHA. If it is determined during construction that another permit is required to relocate owls that have moved back onto the site, a separate work authorization by BCAD will be issued.

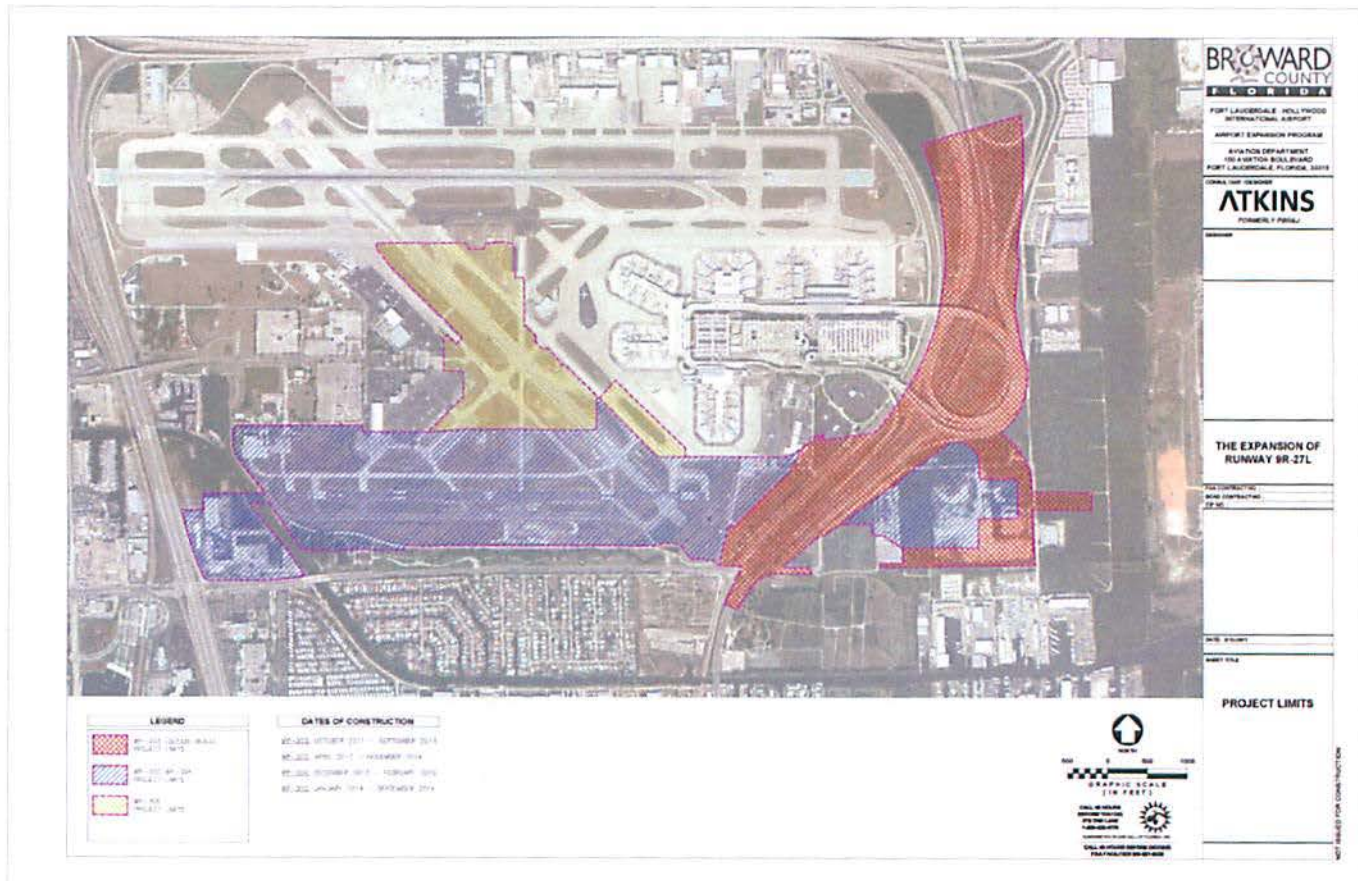


Figure 1

### 3.0 SCOPE OF BASIC SERVICES AND FEE

The permitting and relocation of burrowing owls includes the below tasks. Any other task that may be inferred from the PDD and this scope, but not specifically listed is not included under this OSHA and will require separate authorization by BCAD:

**Task 1 - Burrowing Owl Assessment – WP 303 Phase -** Consultant shall map and determine the status (active/inactive) of burrowing owl nests within the proposed Project area. Nest status will be estimated via direct observation of the nest for signs of recent activity. Owl burrows will be mapped using differential GPS with submeter accuracy. As required by the FFWCC, the survey needs to be completed less than 6 months prior to the start of construction. This Task includes a summary letter with owl burrow location/activity status mapped on an aerial photograph.

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- Task 2 - Burrowing Owl Permitting and Relocation – WP 303 Phase** – If burrowing owl burrows are found in Task 1, Consultant shall complete and submit the migratory bird nest removal permit application to the Florida Fish and Wildlife Conservation Commission (FFWCC) for the destruction of the inactive burrowing owl nests. This Task also includes creating up to four (4) starter burrows to replace the nests that are destroyed. Coordination with the FFWCC for up to 4 hours, one (1) field meeting, response to one (1) request for additional information and submittal of the nest removal/relocation reports to the FFWCC are included in this Task.
- Task 3 - Burrowing Owl Assessment – WP 302/304 Phases** - Consultant shall map and determine the status (active/inactive) of burrowing owl nests within the proposed Project area. Nest status will be estimated via direct observation of the nest for signs of recent activity. Owl burrows will be mapped using differential GPS with submeter accuracy. As required by the FFWCC, the survey needs to be completed less than 6 months prior to the start of construction. This Task includes a summary letter with owl burrow location/activity status mapped on an aerial photograph.
- Task 4 - Burrowing Owl Permitting and Relocation – WP 302/304 Phases** – If burrowing owl burrows are found in Task 4, Consultant shall complete and submit the migratory bird nest removal permit application to the Florida Fish and Wildlife Conservation Commission (FFWCC) for the destruction of the inactive burrowing owl nests. This Task also includes creating up to four (4) starter burrows to replace the nests that are destroyed. Coordination with the FFWCC for up to 4 hours, one (1) field meeting, response to one (1) request for additional information and submittal of the nest removal/relocation reports to the FFWCC are included in this Task.
- Task 5 - Burrowing Owl Assessment – WP 305 Phase** - Consultant shall map and determine the status (active/inactive) of burrowing owl nests within the proposed Project area. Nest status will be estimated via direct observation of the nest for signs of recent activity. Owl burrows will be mapped using differential GPS with submeter accuracy. As required by the FFWCC, the survey needs to be completed less than 6 months prior to the start of construction. This Task includes a summary letter with owl burrow location/activity status mapped on an aerial photograph.
- Task 6 - Burrowing Owl Permitting and Relocation – WP 305 Phase** – If burrowing owl burrows are found in Task 7, Consultant shall complete and submit the migratory bird nest removal permit application to the Florida Fish and Wildlife Conservation Commission (FFWCC) for the destruction of the inactive burrowing owl nests. This Task also includes creating up to four (4) starter burrows to replace the nests that are destroyed. Coordination with the FFWCC for up to 4 hours, one (1) field meeting, response to one (1) request for additional information and submittal of the nest removal/relocation reports to the FFWCC are included in this Task.
- Task 7 - Burrowing Owl Presence monitoring and relocation during construction / 2013 nesting season** -- *Consultant shall visit the site (currently "airside") to observe nest status approximately 3x per week, mid-April until mid-May 2013, and relocate / collapse any inactive nests in anticipation of the pending construction and mobilization of the WP 304/305 contractor into the current runway 13/31 project area. The objective is to minimize the number of active nests prior to and during mobilization of construction. This cannot be guaranteed and since some active nests are anticipated, they will be closely monitored by CPM for fledgling activity and tracked to allow collapse of the nest to be performed by the permit agent – Miller Legg. After May 2013, the area will become "landside" and escorts shall not be required. Due to ongoing colonization efforts by the owls during construction, the Consultant shall be available for relocation during May through August 2013, two times per week, to relocate any new nests prior to colonization. During this time, any active nests that become inactive (due to fledglings being able to fly) shall be collapsed. Reoccupation rates will be evaluated to*

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**determine the need of additional scope for future ongoing relocation efforts in the construction area.**

***This work effort includes the field access and review, development of work plans, coordination of airside access and approval, appropriate escorts for work activity, intermittent observation during field reviews and burrow scoping per permit criteria to establish occupation, photo documentation, position recordation, field reports, map production (all required per permit conditions for each site review and burrow action), construction of starter burrow perches, initiation of starter burrow holes, review of occupation of starter burrow locations, photo documentation, position recordation, map production and field reports for starter burrows, physical relocation of eligible inactive nests on the construction project boundary, and establishment of orange barricade fencing around active nests (after site is landside).***

***The consultant cannot guarantee that a nest will not become established and active. The regular observation and response to relocate is to aid in the prevention of a nest becoming established, which may affect construction. An active nest will require avoidance with a 50' radius during construction, until the juveniles can leave on their own. Consultant shall erect protective orange barricade fencing around active burrows that are to be avoided during construction. The Consultant shall coordinate with FFWCC for permit modification to increase the number of burrows that can be relocated under the existing permit. Consultant shall provide the required reporting through the 2013 nesting season. Future relocation efforts and reporting (beyond August 2013) will be addressed in separate work authorization.***

**Task 8 - Burrowing Owl Presence monitoring and relocation during construction / through April 2015 — Consultant shall visit the site to observe nest status approximately three times per week during nesting seasons, January 2014 until June 2014 and January 2015 and June 2015, and relocate / collapse any inactive nests in anticipation of the pending construction and mobilization of the WP 304/305 contractor into the current runway 13/31 project area. The objective is to minimize the number of active nests prior to and during mobilization of construction. This cannot be guaranteed and since some active nests are anticipated, they will be closely monitored by CPM for fledging activity and tracked to allow collapse of the nest to be performed by the permit agent – Miller Legg. Due to ongoing colonization efforts by the owls during construction, the Consultant shall be available for relocation during June through December 2014, approximately two times per week, to relocate any new nests prior to colonization. During this time, any active nests that become inactive (due to fledglings being able to fly) shall be collapsed. Reoccupation rates will be evaluated to determine the need of additional scope for future ongoing relocation efforts in the construction area.**

***This work effort includes the field access and review, development of work plans, coordination of airside access and approval, appropriate escorts for work activity, intermittent observation during field reviews and burrow scoping per permit criteria to establish occupation, photo documentation, position recordation, field reports, map production (all required per permit conditions for each site review and burrow action), construction of starter burrow perches, initiation of starter burrow holes, review of occupation of starter burrow locations, photo documentation, position recordation, map production and field reports for starter burrows, physical relocation of eligible inactive nests on the construction project boundary, and establishment of orange***

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***barricade fencing around active nests (after site is landside). (No viable deterrents have been determined while the site is airside to prevent reoccupation of owl nests that are to be relocated).***

***The consultant cannot guarantee that a nest will not become established and active. The regular observation and response to relocate is to aid in the prevention of a nest becoming established, which may affect construction. An active nest will require avoidance with a 50' radius during construction, until the juveniles can leave on their own. Consultant shall erect protective orange barricade fencing around active burrows that are to be avoided during construction.***

***Consultant shall obtain a permit extension for the migratory bird nest removal permit (LSNR-12-00034) to cover construction activity through April 2015.***

***Consultant shall provide the required reporting through the permit duration ending on May 1, 2015. Future relocation efforts and permit extension (May 2015) will be addressed in separate work authorization – if necessary. It is anticipated the construction will be completed by April 2015.***

Coordination and Fieldwork: Close coordination with BCAD-Operations is anticipated throughout the performance of the fieldwork associated with Tasks 1 - 8. The assessment and relocation of burrowing owls will need to be performed during normal daylight hours. The biologists (Miller Legg) are not badged and will need to be escorted (***as necessary***) and will be provided by others.

#### 4.0 **DELIVERABLES**

Task 1 WP 303 - Summary report with aerial map.

Task 2 WP 303 - Copy of online permit application.

Task 3 WP 302/304 - Summary report with aerial map.

Task 4 WP 302/304 - Copy of online permit application

Task 5 WP 305 - Summary report with aerial map.

Task 6 WP 305 - Copy of online permit application.

Task 7 Summary report with aerial map.

***Task 8 Summary report with aerial map and tabulation forms.***



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5.0 SCHEDULE

No.	Task or Activity	Duration and Sequence	Target Completion Date
NTP			
1	Burrowing Owl Assessment WP 303 Phase	Within 6 mo. of Construction Start	
2	Burrowing Owl Permitting/Relocation WP 303 Phase	Within 6 mo. of Construction Start	
3	Burrowing Owl Assessment WP 302/304 Phases	Within 6 mo. of Construction Start	
4	Burrowing Owl Permitting/Relocation WP 302/304 Phases	Within 6 mo. of Construction Start	
5	Burrowing Owl Assessment WP 305 Phase	Within 6 mo. of Construction Start	
6	Burrowing Owl Permitting/Relocation WP 305 Phase	Within 6 mo. of Construction Start	
7	<i>Burrowing Owl Monitoring and Relocation – 2013 Nesting Season</i>	<i>April – August, 2013.</i>	
8	<b><i>Burrowing Owl Monitoring and Relocation – 2014 &amp; 2015</i></b>	<b><i>January 2014 – April 2015</i></b>	