

## TASK WORK ORDER NO. 1

REQUESTED BY: George Fidler

DATE: \_\_\_\_\_

CLIENT: Savannah Airport Commission  
Savannah / Hilton Head International Airport

REFERENCE AECOM JOB NO.: \_\_\_\_\_

ADDRESS: 400 Airways Avenue, Savannah GA 31408

CLIENT P.O. NO.: \_\_\_\_\_

To confirm your authorization for services as they relate to our existing Agreement dated **May 1, 2019**, AECOM will furnish the following:  
“**Short-Term Development Program Environmental Assessment**”.

Client agrees to pay AECOM as compensation for its services on a monthly basis as invoices are submitted. The following methods of payments will be used:

- 1-( ) Employee actual hourly rate times 2.80 plus expenses at cost \_\_\_\_\_.
- 2-( ) According to the provisions set forth for additional services in the original Agreement.
- 3-(X) A lump sum fee of **\$227,374.00**.
- 4-( ) Other method as described in Attachment \_\_\_\_.

The above services are anticipated to be completed in **12 months** after receipt of this signed Authorization. All other provisions of our original Agreement dated **May 1, 2019** remain in effect.

If the above meets with your approval, please sign in the appropriate space on both copies of this Authorization, retain one copy for your files, and return one copy to URS.

Agreed to:

Agreed to:

SAVANNAH AIRPORT COMMISSION  
(CLIENT'S NAME)AECOMBY: \_\_\_\_\_  
Authorized SignatureBY:   
Authorized Signature\_\_\_\_\_  
Signer's Name (Typed or Printed)Steven G. Henriquez, P.E.  
Signer's Name (Typed or Printed)

Date: \_\_\_\_\_

Date: 5/13/19Title: ChairmanTitle: Vice President

ATTEST:

ATTEST:

BY: \_\_\_\_\_

BY: 

**SCOPE OF WORK  
SHORT-TERM DEVELOPMENT PROGRAM  
ENVIRONMENTAL ASSESSMENT  
AT  
SAVANNAH/HILTON HEAD INTERNATIONAL AIRPORT  
(rev3, 24 April 2019)**

**BACKGROUND**

The Savannah Airport Commission (Commission) is planning near-term capital improvements to Savannah/Hilton Head International Airport (Airport), depicted on **Attachment A** to this Scope of Work. AECOM Technical Services, Inc. (AECOM) will prepare an Environmental Assessment (EA) for select improvements shown on **Attachment A** and described below, in accordance with the National Environmental Policy Act (NEPA) and Federal Aviation Administration (FAA) Order 5050.4B, *NEPA Implementing Instructions for Airport Actions*, and Order 1050.1F, *Environmental Impacts, Policies and Procedures*.

The FAA Atlanta Airports District Office has reviewed the near-term Capital Improvement Program (CIP) depicted on **Attachment A**, and has determined that the following near-term projects qualify as connected actions with respect to the NEPA as defined under Title 40 Code of Federal Regulations (CFR) Part 1508.25(a)(1)(ii) and (iii), as well as FAA implementing Order 5050.4B paragraph 905(c)(1)(b) and (c):

- Air Cargo Ramp West Phase I (2019); ID #7 on Attachment A
- Air Cargo Ramp East Phase II (2019); ID #8 on Attachment A
- Taxiway G and Bridge Phase III (2020); ID #25 on Attachment A
- Aviation Related Development Area (2018 - ?); no ID on Attachment A, but delineated with turquoise polygon on the southeast quadrant of the Airport
- General Aviation Development Area (2020 - ?); no ID on Attachment A, but delineated with light blue polygon on the southeast quadrant of the Airport
- SE Quadrant Drainage Improvements (2020); no ID on Attachment A, but delineated with dark blue polygon on the southeast quadrant of the Airport
- SE Taxiway/GA 5 Partial Reconstruction (2019); ID #17 on Attachment A

During a 18 April 2019 coordination meeting with the Commission and FAA, the FAA further identified the following non-connected projects as near-term improvements that would require an EA-level study, and therefore it was recommended to include those projects in this Scope of Work:

- Taxiway G Extension (2021); ID #26 on Attachment A
- Taxiway Connectors and Improvements (2020); ID #24 on Attachment A
- North Apron Construction Phase II/Vault Relocation (2022); ID #27 on Attachment A
- Reconstruct North Apron Phase I (2020); ID #23 on Attachment A

In 2011, an EA for the areas comprising Projects #7 and #8 on **Attachment A** was prepared and received a Finding of No Significant Impact (FONSI) from the FAA. The EA was prepared in accordance with then-standing Order 1050.1E, and evaluated potential environmental impacts associated with site development activities (i.e., land clearing and site preparation).

Since the issuance of the FONSI, the Commission has performed all required mitigations and obtained necessary permits to initiate land clearing and site development activities in the area of Projects #7 and #8 on **Attachment A**. Land clearing and site preparation activities commenced in 2012 but no further facility development has occurred.

Paragraph 9-1(b) of Order 1050.1F establishes time limits and NEPA requirements for projects already having received a FONSI from the FAA. Paragraph 9-1(b) states that if major steps toward implementation of a project(s) have not commenced within three years from the date of issuance of the FONSI, additional NEPA study would be required in the form of either re-evaluation of previous study, supplementation of said study, or preparation of a new EA to document new or differing information.

Accordingly, further environmental analysis of the Air Cargo Relocation represented by Projects #7 and #8 (**Attachment A**) shall be limited to the following activities: 1) pavement installation; 2) erection of buildings, structures and installation of infrastructure; and 3) air cargo operations once the facilities are constructed, representing an end-state of five air cargo aircraft parking positions and related vehicle and equipment operations.

All other components of the EA projects (e.g., Southeast Quadrant Development) as described in the foregoing narrative and outlined on **Attachment A** shall receive full environmental analysis in the EA.

The following Tasks are hereby proposed to complete the EA.

## **TASK 1      PROJECT INITIATION**

This Task consists of defining and mobilizing the project, identifying EA study areas, preparing base mapping, and preparing the Project Definition Report.

### **Task 1.1      Project Mobilization**

AECOM will commence preparation of the EA with a telephonic kick-off meeting with Commission management and staff. The purpose of this meeting is to review tasks and responsibilities, project milestones and schedule, field work activities, and deliverables.

Preliminary data collection activities are included in this Task. Prior to the kickoff meeting AECOM will submit a list of data/information needs to the Commission. It is expected that much of the facility, planning and operational data required for the EA will be derived from the most recent Master Plan Update (MPU) and environmental permitting/analysis documentation. For any additional data needs required to support the NEPA analysis, AECOM will coordinate a

supplementary information request with the Commission to ensure AECOM has current, relevant information related to the airport and the project area.

### **Task 1.2 Study Area Definition and Mapping**

AECOM will develop study area boundaries for the description of the affected environment and detailed analysis of environmental impacts associated with the EA projects and their alternatives. An Indirect Study Area (ISA) will be defined for broad, indirect impacts. A Direct Study Area (DSA) will be defined for direct, construction-related or operational impacts, and will include any identified staging and hauling areas. As needed, supplemental study areas will be defined for certain socioeconomic, historical, biological or other impacts, including Areas of Potential Effect (APE), Socioeconomic Study Areas (SSA) and Biological Study Areas (BSA).

Digital maps, including development of EA base maps and Geographic Information Systems (GIS) data, will be obtained from various regional and local sources as available. Base mapping will be refined and updated during development of the EA Affected Environment chapter for inclusion in the EA. These maps will show existing political jurisdictions, noise-sensitive land uses, compatible land uses, Section 4(f) Resources, major and minor streets and roadways, and major physical, geographic, and natural features, along with selected place names, road names, critical habitat and names of geographic features. Digital mapping will be developed using GIS software and will rely upon existing sources to the extent practical.

### **Task 1.3 Project Definition**

This task will include preparation of a Project Definition Report, which will document, in text and graphically, the specific project development elements to be studied in the EA. AECOM will also formulate a series of planning assumptions for each project element based on review of relevant project information. AECOM will document these items in a Project Definition Report for Commission and FAA review. The Commission and FAA will approve the project definition and assumptions prior to AECOM commencing subsequent tasks. This Scope of Work includes up to two (2) teleconference meetings in order to reconcile comments and reach accord on the project definition.

*Deliverable(s): Project Definition Report (electronic submittal)*

## **TASK 2 AGENCY COORDINATION**

An Agency Coordination Package describing the EA projects and providing notification of the preparation of the EA will be prepared by AECOM and distributed to select federal, state, and local agencies to solicit information and early comments relevant to the project. The Package will include background project information and supporting maps and graphics sufficient for describing the EA projects and the timeline for completing NEPA, permitting and construction. The Package will also satisfy early notification requirements of potential impacts of the EA

projects to wetlands and floodplains in accordance with Executive Order (EO) 11990, *Protection of Wetlands*, and EO 11988, *Floodplain Management*

Agencies receiving the informational packages shall include, but may not be limited to, the U.S. Environmental Protection Agency (USEPA), U.S. Fish and Wildlife Service (USFWS), National Marine Fisheries Service, U.S. Army Corps of Engineers (USACE), and federally-recognized Native American Indian Tribes. State of Georgia agencies shall include, but may not be limited to the Georgia Department of Natural Resources (DNR) Environmental Protection Division (EPD), Wildlife Resources Division, and Coastal Resources Division; as well as the Department of Community Affairs, the State Historic Preservation Office (SHPO), and the Department of Transportation. Regional and local governmental agencies can also be included in the distribution to the extent required. AECOM shall submit a draft of the Package and any agency coordination letters to the Commission for review and comment.

*Deliverable(s): Agency Coordination Package (electronic submittal). AECOM will coordinate signature and hard copy distribution of the materials.*

### **TASK 3      EA INTRODUCTION**

AECOM will prepare the introductory chapter of the EA, inclusive of a summary of current facilities and aviation activity at the Airport, an accounting and description of the EA projects, and an overview of the EA process.

### **TASK 4      PURPOSE AND NEED AND ALTERNATIVES**

#### **Task 4.1      Purpose and Need Statement**

The purpose of and need for the EA projects will be documented in this task. A Purpose and Need Statement will identify what goals will be met and/or what shortfalls will be alleviated by the EA projects. This task will also identify the federal actions necessary to implement the project, anticipated project development timelines, and likely project funding sources. The Purpose and Need statement will be consistent with the goals identified by the Commission and FAA.

The Commission and FAA will review and approve the Purpose and Need Statement prior to AECOM commencing substantial work related to evaluating environmental impacts for the EA. Commission/FAA comments on the Working Paper will be resolved and incorporated into the Draft EA.

*Deliverable(s): A Purpose and Need Working Paper will contain a preliminary draft of the Introduction and Purpose and Need chapters of the EA (electronic submittal)*

**Task 4.2 Identification of Alternatives**

AECOM will formulate a series of reasonable alternatives to the EA projects for evaluation in the EA. In addition to the preferred alternatives, up to three (3) conceptual level alternatives to the EA projects (and/or their components) will be evaluated as part of the EA alternatives screening process. This Scope of Work assumes that no more than one (1) alternative, in addition to the EA projects and a No-Action Alternative, will be carried forward for detailed environmental evaluation in the EA.

The alternatives identification will support compliance with EO 11990, *Protection of Wetlands*, and EO 11988, *Floodplain Management* in terms of demonstrating that the Commission and the FAA considered practicable alternatives to avoid wetland and floodplain impacts associated with the EA projects. This Scope assumes that the results of the alternatives evaluation will support a Finding of No Practicable Alternative to avoid these environmental resources.

**Task 4.3 Alternatives Screening and Evaluation**

In response to the established project purpose and need, AECOM will provide an independent and objective evaluation of all alternatives. This task will also involve the consideration of any new alternatives that may have been identified through the scoping processes. All alternatives will be fully described and their ability to achieve the identified purpose and need for the proposed action will be assessed. As mentioned above, a No-Action alternative will also be evaluated as a basis of comparison with other alternatives in conformance with NEPA and FAA requirements.

A multi-level screening process will be developed and implemented to evaluate alternatives to the EA projects. The first screening level will determine if an alternative satisfies the purpose and need for the EA projects. Subsequent screening levels will include, but may not be limited to, criteria that evaluate operational issues, construction issues, construction cost, and environmental impacts. The alternatives will be concisely compared in narrative, tabular, and graphic form. A brief discussion will state the reasoning for retaining or eliminating each alternative for further evaluation in the EA. A summary matrix will be prepared to clearly show the results of the alternatives evaluation. In addition, a description of the alternatives being carried forward for further evaluation will be provided.

The Commission and FAA will review and approve the alternatives analysis prior to AECOM commencing substantial work related to evaluating environmental impacts for the EA. The AECOM Project Management Team will participate in up to two teleconferences with the Commission and FAA to review any comments. It is also expected the Commission and FAA will provide written comments electronically. The AECOM Team will prepare responses to the comments received.

*Deliverable(s): The Alternatives Working Paper will contain a preliminary draft of the Alternatives chapter of the EA, documenting the alternatives identification screening process and results (electronic submittal).*

## **TASK 5        AFFECTED ENVIRONMENT**

This task involves data collection and field investigations necessary to identify and concisely describe the existing physical and environmental conditions against which environmental impacts of the project will be compared. To the extent possible, development of the affected environment will utilize information developed as part of the study area definition and mapping performed under **Task 1.2** of this SOW. Additional information will be collected as necessary and appropriate to fully document existing conditions for the potential area of impact associated with the EA projects and alternatives.

### **Task 5.1        Description of the Affected Environment**

An environmental baseline will be established in accordance with the FAA *1050.1F Desk Reference*, the scope and context of which are described below.

- Air Quality: summary of baseline air pollutant emissions estimates for sources affected by the EA projects and retained alternatives, current National Ambient Air Quality Standards, attainment status of the study area, ambient air monitoring data, meteorological and topographic conditions, nearby emissions sources, existing/required air permits
- Biological Resources: identification of floral/faunal communities in the study area, including federally- and state-protected species, critical habitat, and migratory birds
- Climate: summary of baseline greenhouse gas (GHG) emissions estimates for sources affected by the EA projects and retained alternatives, climate description, current level of climate preparedness and applicable adaptation strategies/requirements
- Coastal Resources: definition of the relationship of the study area to coastal zone boundaries, management programs, coastal barrier resources and coral reefs
- Department of Transportation (DOT) Act Section 4(f) Resources: identification of Section 4(f) properties in the study area, including public parks/recreational areas of national/state/local significance, public wildlife/waterfowl refuges; historic sites of national/state/local significance
- Farmlands: identification of prime or unique farmland as defined by the National Resources Conservation Service (NRCS) located within the construction footprint of the EA projects and retained alternatives
- Floodplains: depiction of any 100-year floodplains located within the area of the EA projects and retained alternatives as specified by the Federal Emergency Management Agency (FEMA)
- Hazardous Materials, Solid Waste and Pollution Prevention: disclosure of contaminated sites within the study area and discussion of local disposal capacity of solid/hazardous wastes generated from the EA projects or retained alternatives
- Historical, Architectural, Archaeological and Cultural Resources: establishment of

historical and archaeological APEs, identification of potential resources in these areas, determination of whether identified resources are included or eligible for inclusion on the National Register of Historic Places (NRHP) or protected under other related statutes

- Land Use: presentation of existing and planned/future land uses in the study area
- Noise and Noise-Compatible Land Use: inventory of noise sensitive areas and land uses within the study areas, including relationship to the existing Day-Night Average Sound Level (DNL) 65 decibel (dB) noise contour. A baseline conditions noise contour will be prepared using the FAA Aviation Environmental Design Tool (AEDT2d)
- Socioeconomics, Environmental Justice and Children's Environmental Health and Safety Risks: description and summary of socioeconomic indicators, transportation assets, minority and low-income populations, demographic information, location of schools or other areas where children may frequent
- Wetlands: identification of locations, types, and extents of wetland areas that may be affected by the EA projects and retained alternatives<sup>1</sup>
- Water Resources: summary of existing extent and character of surrounding surface water, groundwater resources, stormwater management facilities, and Wild and Scenic Rivers.

## **TASK 6 ENVIRONMENTAL CONSEQUENCES**

This task involves the technical analyses of the direct and indirect environmental effects of the EA projects and retained alternatives for the specific impact categories listed in FAA Orders 5050.4B and 1050.1F. Where applicable, this section will also address conceptual mitigation measures that may be required to reduce adverse effects. It is assumed that no off-site mitigation concepts will be evaluated in this task.

Due to the nature of the EA projects (and retained alternatives) it is anticipated that several environmental resource categories would experience no or negligible impact. The environmental resource categories listed below will be addressed collectively with a brief statement to explain that the resources were considered, but are not subject to detailed impact analysis.

- Department of Transportation Section 4(f) Resources
- Farmlands
- Light Emissions and Visual Effects
- Wild and Scenic Rivers

### **Task 6.1 Air Quality and Climate**

#### **Task 6.1.1 Construction Emissions Inventory**

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<sup>1</sup> The field inspection and mapping of wetlands conducted for this EA will be sufficient to depict and describe wetlands that may be affected by the EA projects or retained alternatives. Formal jurisdictional delineations are not included in the Scope of Work for this EA.



AECOM will estimate construction air emissions of criteria air pollutants and GHG, and describe construction-related air quality impacts. Emissions sources will include construction equipment and vehicles operation, conveyance of materials, employee vehicle trips, earthworks and site preparation, demolition, paving and materials placement, and dust generation from travel on unpaved areas. The approach will utilize FAA-approved computer software models and methods such as the USEPA Motor Vehicle Emissions Simulator (MOVES). For budgeting purposes, AECOM assumes the construction period for the EA projects (or retained alternatives) will last no more than three (3) years in duration.

### **Task 6.1.2 Operational Emissions Inventory**

Using the FAA AEDT2d, AECOM will prepare an aircraft operational emissions inventory to describe potential impacts based on changes to the type and number of aircraft and other operations at the Airport occurring due to the EA projects and retained alternatives. Emissions of airport Ground Support Equipment (GSE) and Auxiliary Power Units (APU), on-airport motor vehicles and stationary sources will be included where necessary. Motor vehicle emissions changes due to EA project operations will also be assessed using USEPA MOVES. Inventoried pollutants comprise EPA-designated criteria pollutants and/or their precursors, as well as GHG consistent with FAA policy.

## **Task 6.2 Biological Resources**

### **Task 6.2.1 Biological Resources Survey**

Biotic communities, including flora and fauna, which exist in the areas of potential disturbance will be inventoried and documented. Field reviews will be conducted to identify vegetated communities and document animal and plant observations. Lists of significant habitat types and animal species known or having the potential to occur in the study area will be compiled from available data and field reviews.

Potential impacts to biological communities due to the construction and operation of the EA projects and reasonable alternatives will be quantified and compared. The results will be coordinated with the appropriate federal, state, and local agencies including the USFWS and the DNR.

### **Task 6.2.2 Threatened and Endangered Species**

The effect of the EA projects and retained alternatives upon federal and state-listed plants and animals, migratory birds, and their habitats will be evaluated in this task. This task will include “informal” coordination with the USFWS and DNR for the purpose of obtaining existing information on the documented presence of listed species within and adjacent to the project area.

Using field survey data and results, AECOM will render a determination of the potential use of the project area by each assessed species within the project area. If it is determined that an

assessed species may occur within the project study area, AECOM will then complete a determination of the potential effects the project may have on that species. Determination of effect for each listed species potentially present will be accomplished using species recovery plans, available species specific data (e.g., life history, breeding requirements, etc.), and other scientifically accepted methods agreed to by the USFWS and/or DNR.

### **Task 6.2.3 Biological Assessment**

A Biological Assessment (BA) will be prepared for those federally listed species potentially impacted by the preferred alternative. The BA shall conform to the guidelines found within the USFWS/National Marine Fisheries Service, Endangered Species Consultation Handbook and shall include the following information:

- A description of the proposed action,
- A description of the specific area that may be affected by the action (i.e., project area and potentially areas adjacent to the project area),
- A description of the listed species or critical habitat that may be affected by the action,
- A description of the manner in which the action may affect any listed species or critical habitat,
- An analysis of any cumulative effects on the listed species,
- Relevant reports/information, including information collected during field reviews of the action area, and,
- Potential conservation measures which may be undertaken to ensure the continued existence of listed species which may be affected by the action.

The Consultant anticipates only “informal” Endangered Species Act Section 7 consultation between the FAA and USFWS (pursuant to 50 CFR 402.14). Therefore, extended species surveys and assessments; attendance at consultation meetings; and general technical support services related to formal consultation are not included in this Scope of Work. If formal Section 7 consultation is determined to be necessary by the FAA and/or USFWS, AECOM would provide technical and support services as an additional service, under a supplemental agreement.

### **Task 6.3 Coastal Resources**

In accordance with FAA Order 1050.1F, coordination with the DNR Coastal Resources Division will be accomplished and documented in regard to the EA projects’ preliminary consistency with the State of Georgia Coastal Management Program (GCMP). Per DNR Federal Consistency Determination Guidance issued April 2017, the EA projects must be determined to be consistent with Section 307 of the Coastal Zone Management Act (CZMA). All development projects within the GCMP area, including Chatham County, are considered to have direct effects on the coastal zone, and an analysis of cumulative and secondary effects must be included.

Per DNR, the consistency determination must include a detailed description of the proposed activity, its expected effects upon the land or water uses or natural resources of Georgia's coastal zone, and an evaluation of the proposed activity in light of applicable enforceable policies. The enforceable policies of the GCMP are limited to the State laws listed in the GCMP document. The consistency determination should state, generally, the enforceable statutory provisions and regulations of the GCMP document; detail the analysis by which the federal agency has determined that its project is consistent to the maximum extent practicable with the relevant enforceable policies of the GCMP document; provide an analysis of effects on the land or water uses or natural resources of the coastal zone; provide information, data and analysis supporting the determination of consistency with the GCMP document; and notify the Federal Consistency Coordinator that the state has 45 days from receipt of the determination (and data and information sufficient to support the determination) in which to agree or disagree with the determination.

#### **Task 6.4      Compatible Land Use**

AECOM will evaluate the potential impact of the EA projects and retained alternatives on surrounding land uses. The potential to create incompatible land uses (excluding airport noise considerations) will be addressed as appropriate, including the creation of potential wildlife hazards or location of the EA projects in proximity to sanitary landfills as defined in FAA Advisory Circular 150/5200-33, *Wildlife Hazards on and Near Airports*.

The Compatible Land Use section of the EA will also include the required sponsor assurance (under Section 511 (a)(5) of the 1982 Airport Act) that reasonable actions have been or will be taken to assure compatibility of both existing and future land uses.

#### **Task 6.5      Floodplains**

The effect of the EA projects and retained alternatives upon designated 100-year floodplains and floodways will be determined and documented. Such areas will be identified through FEMA Flood Insurance Rate Maps (FIRM). The evaluation will consider the direct and indirect potential of the alternatives under study to impact floodplains. In addition, the requirements of applicable state and local regulations will be identified and discussed. Where 100-year floodplain/floodway impacts are determined to occur, AECOM will identify and evaluate practical alternatives to avoid the floodplain impacts and potential mitigation measures will be discussed. Data contained in prior airport drainage studies will be utilized to support the floodplains analysis. This task does not include development of detailed floodplain models/hydrological studies, conceptual or detailed engineering designs, or detailed mitigation plans.

#### **Task 6.6      Hazardous Materials, Solid Waste and Pollution Prevention**

Hazardous materials (including hazardous waste, environmental contamination and other similarly regulated substances) will be evaluated in this task as per the current FAA guidance contained in FAA Order 1050.1F. Because sites and facilities containing hazardous substances

or environmental contamination can have potentially significant impacts on soils, surface water, groundwater, and air quality, this section of the EA will provide an overview of what is known about any of these areas located on, or in the vicinity of, the airport and the site of the EA projects or retained alternatives, should they exist.

This information will be used to help determine what effect, if any, the construction and operation of the EA projects and retained alternatives will have on these sites. The hazardous materials assessment services in this Scope of Work do not constitute a formal Environmental Due Diligence Audit (EDDA). A formal EDDA would not be required by FAA Order 1050.19B, *Environmental Due Diligence Audits in the Conduct of FAA Real Property Transactions* because no land acquisition elements are included as part of the EA projects.

For the purposes of this analysis, information will be collected and developed based on the following resources:

- Environmental agency electronic database reports;
- Any contamination assessments, Remedial Action Plans, Level 1 and/or 2 environmental audits, hazardous material surveys and other documents, files and records provided to AECOM by the Commission;
- Review of current historical aerial photos, maps and figures;
- Discussions with airport management, and
- Visual surveys of the project areas.

In addition, the potential impacts of the EA projects and reasonable alternatives upon solid waste generation rates and handling will be evaluated in this task. The airport's forecast of aviation activity will be used to estimate any increase in solid waste generation as a result of the EA projects and the reasonable alternatives. Consultation with the Commission and local officials will be made to determine the capacity of existing and proposed solid waste disposal facilities and their ability to accommodate any substantial increased demand.

The analysis will also consider if the EA projects and reasonable alternatives will directly or indirectly affect any solid waste storage/disposal site. The analysis will determine if the location of these sites or other land uses that are recognized attractants to wildlife or considered hazardous and determine impacts based on FAA siting criteria guidance.

#### **Task 6.7      Historical, Architectural, Archaeological, and Cultural Resources**

This task will be completed pursuant to NEPA and Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, and its implementing regulations, 36 CFR 800: Protection of Historic Properties. For this task, AECOM will define an APE for historical and archaeological resources and will assist the FAA in coordinating the EA projects and alternatives with the SHPO and the applicable Native American Tribal Historic Preservation Officer(s) (THPO).

For the purpose of this Scope of Work, it is anticipated that no historical resources eligible for the NRHP or State Register will be directly affected by the EA projects or retained alternatives. AECOM will address indirect impacts (e.g., changes in noise exposure, air quality, etc.) and visual impacts to historic properties located within the APE. This task will also document the Section 106 coordination efforts related to historic architectural and cultural resources. It is also assumed that, based on the previously disturbed nature of the EA project areas, in conjunction with previously-prepared archaeological studies of the Airport, that archaeological resources will not be encountered or impacted by the EA projects. No detailed field evaluation to support an archaeological study will be performed for this EA.

Historical/architectural evaluation methodology will consist of the identification of any buildings and/or other structures believed to have been built over 50 years ago, and to ascertain if any such resources could be adjudged eligible or potentially eligible for NRHP consideration. Pertinent records housed with Chatham County and the Commission will be used to obtain information concerning site-specific building construction dates and/or possible association with individuals or events significant to local or regional history. The historic overview will assist in determining the type of historic resources (structures 50 years of age or older) which may be anticipated in the project APE. This overview will also assist in the evaluation of each recorded historic resource in terms of its eligibility for listing in the NRHP.

AECOM will also conduct a review of pertinent archaeological and historical literature and data, including an examination of the Georgia Natural Archaeological and Historic Resources Geographic Information System, Historic Surveys, and the NRHP, to identify any NRHP-listed or eligible properties, as well as other known cultural resources within and proximate to the study property. Included in the initial literature and data review will be U.S. Department of Agriculture (USDA) soil survey data for Chatham County, the U.S. Geological Survey (USGS) quadrangle map, relevant cultural reports, 19<sup>th</sup> century federal surveyors' plats and field notes, tract book records, and other documents pertaining to cultural resources in the region.

This Scope of Work assumes that early coordination with the SHPO will not result in a requirement for a Phase I or Phase II Cultural Resources Assessment Survey (CRAS). If a CRAS is requested by the SHPO, AECOM would work with the Commission to supplement the Scope and fee for the EA. Additionally, the preparation of formal eligibility determinations and applications to federal and/or state registers of historic places are not included in this Scope of Work. The preparation of a Memorandum of Agreement (MOA) between the FAA and SHPO, and other interested parties to mitigate significant impacts to historic resources is also not included in this Scope of Work.

**Task 6.8 Natural Resources and Energy Supply**

The impacts of the EA projects will be compared with regard to energy supplies and natural resources. The effects of the proposed improvements on energy supplies will be evaluated. This includes the increase in the demand for electrical power and natural gas and the ability of local energy providers to meet the demand. Potential energy conservation measures associated with the improvements will also be described.

**Task 6.9 Noise and Noise-Compatible Land Use**

This Task consists of assessing aircraft-generated noise levels at the Airport due to the EA projects and retained alternatives.

**Task 6.9.1 Noise Screening Analysis**

Using the estimate of operational activity included in the Task 4.1 Purpose and Need statement, the Consultant will perform a screening-level analysis of aircraft operational noise with and without the EA projects, using the FAA Area Equivalent Method (AEM) calculation tool. Inputs to the noise screening analysis will be developed based on readily available data from FAA databases/and or via coordination with the Commission and its tenants.

If the results of the AEM screening analysis show that the estimated area of the EA projects' DNL 65 dB noise contour does not increase by more than 17 percent compared to the No-Action Alternative, no further environmental analysis is necessary with respect to noise and the results of the screening analysis will be incorporated into the EA and supporting technical documentation.

If the screening analysis indicates a larger than 17 percent increase in the DNL 65 dB between the EA projects and No-Action Alternative, detailed modeling of noise contours would be required for the EA projects and the Consultant would coordinate with the Commission to request amendment to this Scope of Work.

Future aircraft operational levels for the future year noise analyses will be based on the baseline forecast prepared by the Commission. For the No-Action Alternative, existing runway use percentages, and day-night operational splits will be used in the noise analysis. Supplemental data for the EA projects and alternatives, such as fleet mix will be determined based on consultation with Commission management and staff, and reasonably available data.

**Task 6.9.2 Non-Airport Noise**

Changes in the noise environment associated with non-airport sources including, but not limited to, changes to vehicle traffic patterns or construction activities will be discussed qualitatively.

Noise modeling and detailed analysis of non-airport noise impacts are not included in this Scope of Work. It is not expected that the noise environment surrounding the Airport would be

substantially impacted by non-airport noise sources such as surface traffic or construction activities. If required in support of the noise analyses presented in the EA, AECOM will coordinate with the Commission to develop a supplemental scope and fee for non-airport noise analysis (e.g., highway noise screening assessment) and comparison to any applicable significance thresholds (e.g., noise abatement criteria).

#### **Task 6.10 Socioeconomic Impacts, Environmental Justice and Children's Environmental Health and Safety Risks**

Each alternative and study year will be evaluated with regard to disruption of existing communities, transportation systems and networks, and conflicts with planned development. Impacts of the alternatives for each study year will be assessed with regard to compliance with Federal Environmental Justice guidelines (Executive Order 12898) to determine if there would be a disproportionate adverse impact to minority and low income populations as a result of implementation of any of the alternatives, and to quantify these impacts, should they occur. Potential impacts to children's environmental health will also be considered. The results of the noise and land use analyses, as well as the analyses conducted for other applicable impact categories, will be used as the basis for this determination.

#### **Task 6.11 Water Resources**

The effects of the EA projects and retained alternatives upon stormwater, surface water, and groundwater quality and quantity during construction and operation of the alternatives will be qualitatively evaluated in this task. Details and accompanying graphics reflecting the development of any required stormwater treatment facilities shall be disclosed and evaluated in the impact determination. Because the EA projects include paving and changes in the amount of impervious surface at the Airport, conceptual estimates of changes in runoff volumes and methods to mitigate water quality impacts will be evaluated, including generation of credits for creating more pervious area as a result of the project(s). Applicable state or local water quality regulations and the airport's current storm water management plan will be discussed.

AECOM will identify and describe potential water quality construction impacts associated with the EA projects and retained alternatives, including any mitigation measures considered necessary. These may include such measures as erosion control practices, stormwater runoff detention methods and best management practices. The provisions and applicability for construction mitigation contained in FAA Advisory Circular 150/5370-10F, *Standards for Specifying Construction at Airports*, will also be discussed.

#### **Task 6.12 Wetlands**

Potential impacts to jurisdictional and non-jurisdictional wetlands will be discussed and documented. During the EA process, coordination with the USACE and applicable state and local permitting agencies will take place with regard to the potential involvement of jurisdictional wetlands, wetland habitat values, potential permit requirements, and the potential significance of

any impact. The EA will contain appropriate graphics and text to document the findings of the coordination effort. AECOM will prepare appropriate documentation of wetlands and Waters of the U.S. impacts in the biological study area. The functional value for each wetland area will be assessed utilizing a standardized procedure for assessing the functions provided by wetlands and other surface waters in accordance with approved USACE and state/local agency methodologies.

#### **Task 6.13 Cumulative Impacts**

The cumulative impacts of recent and future airport improvements, when coupled with other major existing or planned projects within the EA study area will be qualitatively discussed in this task. This discussion will be limited to those major development actions that could potentially have a social/environmental effect on lands within the EA study area. A qualitative discussion of the potential consequences of cumulative actions will be provided in narrative and comparative table formats.

#### **Task 6.14 Mitigation**

AECOM will identify conceptual mitigation measures for any potentially significant impacts identified in the EA or for programs that may require mitigation as part of the permitting process (e.g., wetland impacts). Development of detailed mitigation plans and/or extensive research of potential mitigation options/sites are not included in this Scope of Work.

### **TASK 7 DRAFT EA PREPARATION**

#### **Task 7.1 Preliminary Draft EA**

AECOM will prepare a Preliminary Draft EA (PDEA) to be submitted to the Commission and FAA for review and comment. The purpose and need/alternatives working paper already reviewed and approved by the Commission and FAA will be revised to include comments and new documentation regarding the affected environment, environmental consequences, public involvement, and any necessary appendices. Commission and FAA comments on the PDEA will be incorporated into a Draft EA document. It is anticipated that FAA review of the PDEA will require no more than thirty (30) calendar days.

AECOM will be responsible for preparing, printing, and distributing the PDEA (and Draft EA) documents.

*Deliverable(s): One (1) electronic copy and five (5) printed copies of the PDEA will be provided (2 Commission, 2 FAA, and 1 AECOM).*

#### **Task 7.2 Draft EA**

AECOM will prepare a distribution list and a distribution letter for dissemination of the Draft EA to agency and public stakeholders. AECOM will be responsible for reproduction and distribution



of the Draft EA document. AECOM will prepare a Notice of Availability (NOA), which will be published in local newspaper(s). AECOM will be responsible for all advertisement and publication costs.

*Deliverable(s): AECOM will print up to fifteen (15) copies of the Draft EA document: for the Commission (3 copies), FAA (1 copy), AECOM (3 copies, including QA/QC review copies) and distribution to federal, state and local agencies and the public (8 copies). AECOM will also produce a copy of the Draft EA document in electronic format (Adobe Acrobat PDF) for distribution.*

## **TASK 8      DRAFT EA PUBLIC INVOLVEMENT**

The agency and public comment period for the Draft EA will last for a period of 45-days. AECOM will assist the Commission in arranging an appropriate location, time, and facility for a combined Public Workshop/Public Hearing to be held at least 30 days after advertisement of the Notice of Availability (NOA) for the Draft EA. At least three (3) weeks prior to the Public Hearing, AECOM will submit and coordinate draft presentation boards, signs, hand-outs, and PowerPoint presentation to the Commission and FAA for review and approval. AECOM will address comments and obtain final approval of all meeting materials at least one week prior to the Public Hearing.

AECOM will be responsible for providing the services of a court reporter and obtaining a certified transcript of the combined Public Workshop/Public Hearing. AECOM will procure a suitable venue with tables, chairs, and public address system. AECOM will be responsible for all printing and production costs and the cost of supplies. This includes up to 25 mounted foam-core presentation boards, 200 handouts, five (5) mounted foam-core signs, 200 comment forms, name tags, easels, and sign-in sheets.

If necessary, a Hearing Officer, with suitable background or experience, will preside over and conduct an orderly Public Hearing. At the direction of the Commission, the Hearing Officer may be an Commission representative, a local government representative, or a private individual. Prior to the Public Hearing, AECOM will provide the Hearing Officer with project information, information on the format and layout of the Public Workshop/Public Hearing, suggested opening remarks, and general rules for conducting the meeting. If necessary, AECOM will be responsible for (and budget) payment of a reasonable stipend for the Hearing Officer.

It is anticipated that four (4) AECOM team personnel will attend and participate in the combined Public Workshop/Public Hearing. This requires travel and an overnight stay.

*Deliverables: Public hearing/workshop materials as described above*

**TASK 9 FINAL EA PREPARATION****Task 9.1 Preliminary Final EA**

At the end of the 45-day comment period the Commission and AECOM will compile all comments received during the comment period, including those provided in letters, comment forms, and in the Public Workshop/Public Hearing transcripts. All comments received will be inventoried, reviewed, and summarized by AECOM. Draft responses to all summarized comments received from the Public Workshop/Public Hearing as well as agency review of the Draft EA will be prepared by AECOM.

Upon completion of the draft responses, the AECOM will provide the Commission and FAA with Microsoft Word files of the draft responses for review and editing. During the review of draft comment responses, AECOM will participate in teleconferences and one web-based meeting with the Commission and/or FAA to discuss issues raised by commenters and the draft comment responses. After incorporating Commission and FAA edits into the comment responses, AECOM will submit revised comment responses for final approval. Upon final approval of the response to comments, AECOM will make any appropriate revisions to the EA and incorporate the Comment/Response document into an Appendix of the Final EA.

Based on agency and public comments received, AECOM will update and revise the Draft EA document to convert it to a Preliminary Final EA (PFEA). Necessary updates will be made to the text and appendices to include documentation of the Draft EA comments/responses. The PFEA will be submitted to the Commission and FAA for review and comment. All Commission and FAA comments on the PFEA will be incorporated into the Final EA document. This Scope of Work assumes that AECOM will receive one round of review comments from the Commission and FAA.

**Task 9.2 Final EA**

Upon receipt and resolution of Commission and FAA comments on the Preliminary Final EA, AECOM will produce and furnish a Final EA document. AECOM will also provide support to the FAA in drafting the decision document for the EA (i.e., the Finding of No Significant Impact).

*Deliverable(s): Five (5) copies of the Final EA will be printed for the Commission (2), FAA (2), and AECOM (1). AECOM will provide an electronic copy of the Final EA (PDF format) to the Commission, the FAA, and for distribution to commenting agencies.*

**TASK 10 PROJECT MANAGEMENT**

This task involves the contractual, costing, administrative and managerial activities necessary to implement and oversee the project. It includes the development of draft and final modifications of scopes of work and cost estimates, preparation and processing of contract documents, the routine coordination and management of the project, preparation of monthly project progress

reports, meeting minutes preparation, Commission and FAA coordination, project management plan preparation and updates, and project closeout procedures.

AECOM will arrange and participate in up to three (3) project management-related business meeting during the course of the EA study. It is anticipated within this Scope of Work that one (1) of these meetings will be held at the Airport with two (2) AECOM staff members attending, and possibly require an overnight stay.

AECOM shall submit monthly written progress reports to the Commission. The progress reports shall describe the present status of each aspect of the work, any problems encountered, the amount of work accomplished, and a comparison of actual accomplishments to the goals established for the period.

## **TASK 11 SUB-CONSULTANT SUPPORT SERVICES**

This Scope of Work affords technical support, field data collection and review services to be performed by sub-consultant Environmental Services, Inc. (ESI) on the following Tasks:

- Task 1.1 – Project Mobilization: ESI shall participate in the kick-off meeting described under **Task 1.1** of this Scope. ESI shall support data collection efforts for the EA by providing relevant mapping, environmental evaluation documents and data, permits, literature and other information from studies previously prepared by ESI.
- Task 2 – Agency Coordination: ESI shall assist in the development of the agency distribution list and review and comment agency coordination letters and supporting materials as needed.
- Task 6.2.1 – Biological Resources Survey: To support completion of **Task 6.2.1** of this Scope, ESI shall perform ad hoc on-site field reviews of project areas, to the extent field review data are not already available for those areas.
- Task 6.2.2 – Threatened and Endangered Species: ESI shall review and comment on the effects determinations for the EA projects as described in **Task 6.2.2** of this Scope.
- Task 6.2.3 – Biological Assessment: ESI shall support development of the BA document and provide technical review of the draft document. ESI shall also support information Section 7 ESA consultations with the USFWS to the extent required during the BA process.
- Task 6.6 – Hazardous Materials, Solid Waste and Pollution Prevention: ESI shall provide data and narrative related to known contamination sites within or adjacent to the EA project areas, summarizing remediation status of any identified sites, and assessing the degree of potential for impact to these sites as a result of the EA projects. The technical documentation prepared by ESI shall be used in the preparation of related sections of the Draft EA.

- Task 6.12 – Wetlands: ESI shall perform ad hoc on-site field reviews of project areas, to the extent field review data are not already available for those areas, to support completion of **Task 6.11** of this scope. ESI shall participate in the development of functional assessments and derivation of mitigation requirements for any wetlands to be impacted by the EA projects. Technical documentation prepared by ESI shall be used in the preparation of related sections of the Draft EA.
- Task 6.14 – Mitigation: ESI shall participate in the completion of **Task 6.14** (to the extent mitigation is required for the EA projects) by assisting in the development of conceptual mitigation strategies, and the identification of any permitting/compliance requirements, for environmental resource areas covered in their Scope of Work for this EA (i.e., wetlands, hazardous materials, biological resources).
- Task 7.1 – Preliminary Draft EA: ESI shall perform a quality assurance review of the Preliminary Draft EA prior to submittal to the Commission and FAA.
- Task 8 – Public Involvement: One ESI staff member shall attend the combined Public Hearing/Public Workshop described under Task 8 to provide staffing support and subject matter expertise in public interactions.
- Task 9.1 – Preliminary Final EA: ESI shall assist in developing responses to any public and agency comments on the Draft EA for topics covered in their Scope of Work (i.e., wetlands, hazardous materials, biological resources). ESI shall review relevant sections of the Preliminary Final EA to ensure that any applicable comments are duly responded to.
- Task 10 – Project Management: Ad hoc project management activities to support progress reporting, invoicing and other administrative proceedings described in Task 10 of this Scope of Work.

## **SCHEDULE**

In order to attain the desired development timeline and funding/approval objectives necessary for the Commission to realize their near-term CIP, the EA must be completed on a no-longer-than nine (9) month schedule. A preliminary schedule is provided on **Attachment B** that identifies how the EA will be completed within this timeframe, including any major milestone dates. As shown, to achieve this schedule, Notice to Proceed is expected to occur no-later-than 01 May 2019.

**ATTACHMENT A – CAPITAL IMPROVEMENT PROGRAM (2018-2023)**

**ATTACHMENT B – PRELIMINARY EA SCHEDULE**

**ATTACHMENT C – FEE BACKUP**

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)			
	Labor	Expenses	Total
Task 1.0 - Project Initiation	\$13,576	\$0	\$13,576
Task 2.0 - Agency Coordination	\$3,277	\$57	\$3,334
Task 3.0 - EA Introduction	\$921	\$0	\$921
Task 4.0 - Purpose and Need and Alternatives	\$21,609	\$0	\$21,609
Task 5.0 - Affected Environment	\$28,765	\$0	\$28,765
Task 6.0 - Environmental Consequences	\$40,951	\$1,936	\$42,886
Task 7.0 - Draft EA Preparation	\$14,626	\$6,215	\$20,842
Task 8.0 - Draft EA Public Involvement	\$16,919	\$8,546	\$25,465
Task 9.0 - Final EA Preparation	\$9,902	\$1,554	\$11,456
Task 10.0 - Project Management	\$13,508	\$1,684	\$15,191
Task 11.0 - Sub-consultant Support Services	\$42,818	\$512	\$43,330
Total L&E	\$206,871	\$20,504	\$227,374



SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Project Principal		Aviation Environnmental Planner		Senior Airport Planner		Junior Aviation Environmental Planner		Senior CAD Technician		GIS Technician		Project Administrator		Document Production		Labor Total	
	Henriquez		Sanford		Klein		Norman		Morris		Norman		Kline		Nagy			
	\$295.87		\$128.84		\$210.13		\$82.86		\$132.83		\$82.86		\$69.47		\$73.54			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 1.0 - Project Initiation																		
1.1 - Project Mobilization	2	\$591.74	12	\$1,546.08	4	\$840.52	8	\$662.88		\$0.00		\$0.00	4	\$277.88		\$0.00	30	\$3,919.10
1.2 - Study Area Definition and Mapping		\$0.00	6	\$773.04		\$0.00		\$0.00	2	\$265.66	48	\$3,977.28		\$0.00		\$0.00	56	\$5,015.98
1.3 - Project Definition Report		\$0.00	8	\$1,030.72	2	\$420.26	20	\$1,657.20	6	\$796.98		\$0.00		\$0.00	10	\$735.40	46	\$4,640.56
Total L&E	2	\$592	26	\$3,350	6	\$1,261	28	\$2,320	8	\$1,063	48	\$3,977	4	\$278	10	\$735	132	\$13,575.64

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Expenses Total	
	Units	Cost
Task 1.0 - Project Initiation		
1.1 - Project Mobilization	0	\$0.00
1.2 - Study Area Definition and Mapping	0	\$0.00
1.3 - Project Definition Report	0	\$0.00
Total L&E	0	\$0.00

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environnnmental Planner		Junior Aviation Environmental Planner		Labor Total	
	Sanford		Norman			
	\$128.84		\$82.86			
	Hours	Cost	Hours	Cost	Hours	Cost
Task 2.0 - Agency Coordination						
2.0 - Agency Coordination	10	\$1,288.40	24	\$1,988.64	34	\$3,277.04
Total L&E	10	\$1,288	24	\$1,989	34	\$3,277.04

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Color 8.5x11		US Mail		Expenses Total	
	Page		Unit			
	\$0.51		\$1.25			
	Units	Cost	Units	Cost	Units	Cost
Task 2.0 - Agency Coordination						
2.0 - Agency Coordination	75	\$38.25	15	\$18.75	90	\$57.00
Total L&E	75	\$38	15	\$19	90	\$57.00

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environmental Planner		Junior Aviation Environmental Planner		Labor Total	
	Sanford		Norman			
	\$128.84		\$82.86			
	Hours	Cost	Hours	Cost	Hours	Cost
Task 3.0 - EA Introduction						
3.0 - EA Introduction	2	\$257.68	8	\$662.88	10	\$920.56
Total L&E	2	\$258	8	\$663	10	\$920.56

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Expenses Total	
	Units	Cost
Task 3.0 - EA Introduction		
3.0 - EA Introduction	0	\$0.00
Total L&E	0	\$0.00

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environmental Planner		Senior Airport Planner		Junior Aviation Environmental Planner		Senior CAD Technician		Senior Water Resources Engineer		Document Production		Labor Total	
	Sanford		Klein		Norman		Morris		Pratt		Nagy			
	\$128.84		\$210.13		\$82.86		\$132.83		\$170.56		\$73.54			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 4.0 - Purpose and Need and Alternatives														
4.1 - Purpose and Need Statement	20	\$2,576.80	18	\$3,782.34		\$0.00		\$0.00		\$0.00	4	\$294.16	42	\$6,653.30
4.2 - Identification of Alternatives	18	\$2,319.12	12	\$2,521.56	18	\$1,491.48	10	\$1,328.30	14	\$2,387.84	2	\$147.08	74	\$10,195.38
4.3 - Alternatives Screening and Evaluation	22	\$2,834.48	4	\$840.52	6	\$497.16		\$0.00		\$0.00	8	\$588.32	40	\$4,760.48
Total L&E	60	\$7,730	34	\$7,144	24	\$1,989	10	\$1,328	14	\$2,388	14	\$1,030	156	\$21,609.16

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Expenses Total	
	Units	Cost
Task 4.0 - Purpose and Need and Alternatives		
4.1 - Purpose and Need Statement	0	\$0.00
4.2 - Identification of Alternatives	0	\$0.00
4.3 - Alternatives Screening and Evaluation	0	\$0.00
Total L&E	0	\$0.00



SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environmental Planner		Aviation Environmental Planner		Junior Aviation Environmental Planner		Senior Water Resources Engineer		Architectural Historian		Archaeologist		Urban Planner		Traffic Engineer		Senior CAD Technician		GIS Technician		Labor Total	
	Sanford		Botto		Norman		Pratt		Brown		Martinkovic		Purcell		Gu		Morris		Norman			
	\$128.84		\$121.72		\$82.86		\$170.56		\$145.48		\$94.68		\$132.22		\$119.05		\$132.83		\$82.86			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 5.0 - Affected Environment																						
5.1 - Description of the Affected Environment	41	\$5,282.44	38	\$4,625.36	64	\$5,303.04	14	\$2,387.84	16	\$2,327.68	10	\$946.80	4	\$528.88	12	\$1,428.60	6	\$796.98	62	\$5,137.32	267	\$28,764.94
Total L&E	41	\$5,282	38	\$4,625	64	\$5,303	14	\$2,388	16	\$2,328	10	\$947	4	\$529	12	\$1,429	6	\$797	62	\$5,137	267	\$28,764.94

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Expenses Total	
	Units	Cost
Task 5.0 - Affected Environment		
5.1 - Description of the Affected Environment	0	\$0.00
Total L&E	0	\$0.00

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environmental Planner		Aviation Environmental Planner		Junior Aviation Environmental Planner		Senior Water Resources Engineer		Architectural Historian		Archaeologist		Urban Planner		Traffic Engineer		Senior CAD Technician		GIS Technician		Labor Total	
	Sanford		Botto		Norman		Pratt		Brown		Martinkovic		Purcell		Gu		Morris		Norman			
	\$128.84		\$121.72		\$82.86		\$170.56		\$145.48		\$94.68		\$132.22		\$119.05		\$132.83		\$82.86			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 6.0 - Environmental Consequences																						
6.1.1 - Construction Emissions Inventory	8	\$1,030.72		\$0.00	36	\$2,982.96		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	44	\$4,013.68
6.1.2 - Operational Emissions Inventory	8	\$1,030.72		\$0.00	16	\$1,325.76		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	24	\$2,356.48
6.2.1 - Biological Resources Survey		\$0.00		\$0.00	10	\$828.60		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	10	\$828.60
6.2.2 - Threatened and Endangered Species		\$0.00		\$0.00	12	\$994.32		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	12	\$994.32
6.2.3 - Biological Assessment	2	\$257.68		\$0.00	24	\$1,988.64		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	26	\$2,246.32
6.3 - Coastal Resources	12	\$1,546.08		\$0.00	6	\$497.16		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	18	\$2,043.24
6.4 - Compatible Land Use		\$0.00		\$0.00	4	\$331.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	4	\$331.44
6.5 - Floodplains		\$0.00		\$0.00		\$0.00	18	\$3,070.08		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	18	\$3,070.08
6.6 - Hazardous Materials, Solid Waste and Pollution Prevention	3	\$386.52		\$0.00	8	\$662.88		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	11	\$1,049.40
6.7 - Historical, Architectural, Archaeological and Cultural Resources		\$0.00		\$0.00		\$0.00		\$0.00	18	\$2,618.64	12	\$1,136.16		\$0.00		\$0.00		\$0.00		\$0.00	30	\$3,754.80
6.8 - Natural Resources and Energy Supply		\$0.00		\$0.00	4	\$331.44		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	4	\$331.44
6.9.1 - Noise Screening Analysis	4	\$515.36	12	\$1,460.64		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	16	\$1,976.00
6.9.2 - Non-Airport Noise	2	\$257.68	6	\$730.32		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	8	\$988.00
6.10 - Socioeconomics, Environmental Justice and Children's Health and Safety	2	\$257.68		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	10	\$1,322.20	24	\$2,857.20		\$0.00		\$0.00	36	\$4,437.08
6.11 - Water Resources	2	\$257.68		\$0.00		\$0.00	40	\$6,822.40		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	42	\$7,080.08
6.12 - Wetlands	2	\$257.68		\$0.00	16	\$1,325.76		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	18	\$1,583.44
6.13 - Cumulative Impacts	4	\$515.36		\$0.00	2	\$165.72		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	6	\$681.08
6.14 - Mitigation	8	\$1,030.72		\$0.00	26	\$2,154.36		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	34	\$3,185.08
Total L&E	57	\$7,344	18	\$2,191	164	\$13,589	58	\$9,892	18	\$2,619	12	\$1,136	10	\$1,322	24	\$2,857	0	\$0	0	\$0	361	\$40,950.56

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	EDR Report		Airfare (Raleigh to Savannah)		Parking (SAV)		Rental Car		Lodging		M&IE		M&IE (First and Last Day of Travel)		Fuel		Flight Data		Expenses Total	
	Unit		Round-trip		Daily		Daily		Daily		Daily		Daily		Gallon		Unit			
	\$600.00		\$371.00		\$12.00		\$47.76		\$134.00		\$61.00		\$45.75		\$2.59		\$800.00			
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Task 6.0 - Environmental Consequences																				
6.1.1 - Construction Emissions Inventory		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.1.2 - Operational Emissions Inventory		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	1	\$800.00	1	\$800.00
6.2.1 - Biological Resources Survey		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.2.2 - Threatened and Endangered Species		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.2.3 - Biological Assessment		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.3 - Coastal Resources		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.4 - Compatible Land Use		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.5 - Floodplains		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.6 - Hazardous Materials, Solid Waste and Pollution Prevention		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.7 - Historical, Architectural, Archaeological and Cultural Resources		\$0.00	1	\$371.00	3	\$36.00	3	\$143.28	3	\$402.00	1	\$61.00	2	\$91.50	12	\$31.08		\$0.00	25	\$1,135.86
6.8 - Natural Resources and Energy Supply		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.9.1 - Noise Screening Analysis		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.9.2 - Non-Airport Noise		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.10 - Socioeconomics, Environmental Justice and Children's Health and Safety		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.11 - Water Resources		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.12 - Wetlands		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.13 - Cumulative Impacts		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.14 - Mitigation		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
Total L&E	0	\$0	1	\$371	3	\$36	3	\$143	3	\$402	1	\$61	2	\$92	12	\$31	1	\$800	26	\$1,935.86

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environmental Planner		Junior Aviation Environmental Planner		Senior CAD Technician		GIS Technician		Document Production		Labor Total	
	Sanford		Norman		Morris		Norman		Nagy			
	\$128.84		\$82.86		\$132.83		\$82.86		\$73.54			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 7.0 - Draft EA Preparation												
7.1 - Preliminary Draft EA	24	\$3,092.16	36	\$2,982.96	6	\$796.98	6	\$497.16	30	\$2,206.20	102	\$9,575.46
7.2 - Draft EA	10	\$1,288.40	24	\$1,988.64	2	\$265.66	4	\$331.44	16	\$1,176.64	56	\$5,050.78
Total L&E	34	\$4,381	60	\$4,972	8	\$1,063	10	\$829	46	\$3,383	158	\$14,626.24

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	B&W 8.5x11		Color 8.5x11		Color 11x17		Covers/Lamination		CD-ROM		Binding		Shipping		Expenses Total	
	Page		Page		Page		Unit		Unit		Unit		Unit			
	\$0.42		\$0.51		\$0.78		\$3.18		\$1.25		\$0.64		\$15.00			
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Task 7.0 - Draft EA Preparation																
7.1 - Preliminary Draft EA	2500	\$1,050.00	600	\$306.00	125	\$97.50	5	\$15.90	5	\$6.25	5	\$3.20	5	\$75.00	3245	\$1,553.85
7.2 - Draft EA	7500	\$3,150.00	1800	\$918.00	375	\$292.50	15	\$47.70	15	\$18.75	15	\$9.60	15	\$225.00	9735	\$4,661.55
Total L&E	10000	\$4,200	2400	\$1,224	500	\$390	20	\$64	20	\$25	20	\$13	20	\$300	12980	\$6,215.40

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Project Principal		Aviation Environmental Planner		Aviation Environmental Planner		Junior Aviation Environmental Planner		Senior Airport Planner		Senior Strategic Communications Specialist		Junior Strategic Communications Specialist		Graphics Designer		Labor Total	
	Henriquez		Sanford		Botto		Norman		Klein		Stoll		Martin		Wheeler			
	\$295.87		\$128.84		\$121.72		\$82.86		\$210.13		\$128.81		\$57.26		\$93.42			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 8.0 - Draft EA Public Involvement																		
8.0 - Public Involvement		\$0.00	30	\$3,865.20	24	\$2,921.28	32	\$2,651.52	24	\$5,043.12	4	\$515.24	14	\$801.64	12	\$1,121.04	140	\$16,919.04
Total L&E	0	\$0	30	\$3,865	24	\$2,921	32	\$2,652	24	\$5,043	4	\$515	14	\$802	12	\$1,121	140	\$16,919.04

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Airfare (Tampa to Savannah)		Parking (SAV)		Parking (TPA)		Rental Car		Lodging		M&IE		M&IE (First and Last Day of Travel)		Fuel		Color 8.5x11		Presentation Boards/Signs		Court Reporter		Venue		Hearing Officer		Legal Advertisement		Expenses Total	
	Round-trip		Daily		Daily		Daily		Daily		Daily		Daily		Gallon		Page		Unit		Unit		Unit		Unit		Daily			
	\$371.00		\$12.00		\$18.00		\$47.76		\$134.00		\$61.00		\$45.75		\$2.59		\$0.51		\$60.00		\$300.00		\$1,300.00		\$300.00		\$125.00			
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Task 8.0 - Draft EA Public Involvement																														
8.0 - Public Involvement	4	\$1,484.00	0	\$0.00	12	\$216.00	6	\$286.56	12	\$1,608.00	4	\$244.00	8	\$366.00	24	\$62.16	\$400.00	\$204.00	25	\$1,500.00	2	\$600.00	1	\$1,300.00	1	\$300.00	3	\$375.00	502	\$8,545.72
Total L&E	4	\$1,484	0	\$0	12	\$216	6	\$287	12	\$1,608	4	\$244	8	\$366	24	\$62	400	\$204	25	\$1,500	2	\$600	1	\$1,300	1	\$300	3	\$375	502	\$8,545.72



SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Aviation Environmental Planner		Junior Aviation Environmental Planner		Senior CAD Technician		GIS Technician		Document Production		Labor Total	
	Sanford		Norman		Morris		Norman		Nagy			
	\$128.84		\$82.86		\$132.83		\$82.86		\$73.54			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 9.0 - Final EA Preparation												
9.1 - Preliminary Final EA	18	\$2,319.12	38	\$3,148.68		\$0.00	4	\$331.44	16	\$1,176.64	76	\$6,975.88
9.2 - Final EA	8	\$1,030.72	14	\$1,160.04		\$0.00		\$0.00	10	\$735.40	32	\$2,926.16
Total L&E	26	\$3,350	52	\$4,309	0	\$0	4	\$331	26	\$1,912	108	\$9,902.04

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	B&W 8.5x11		Color 8.5x11		Color 11x17		Covers/Lamination		CD-ROM		Binding		Shipping		Expenses Total	
	Page		Page		Page		Unit		Unit		Unit		Unit			
	\$0.42		\$0.51		\$0.78		\$3.18		\$1.25		\$0.64		\$15.00			
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Task 9.0 - Final EA Preparation																
9.1 - Preliminary Final EA	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
9.2 - Final EA	2500	\$1,050.00	600	\$306.00	125	\$97.50	5	\$15.90	5	\$6.25	5	\$3.20	5	\$75.00	3245	\$1,553.85
Total L&E	2500	\$1,050	600	\$306	125	\$98	5	\$16	5	\$6	5	\$3	5	\$75	3245	\$1,553.85

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Project Principal		Aviation Environnmental Planner/PM		Project Administrator		Labor Total	
	Henriquez		Sanford		Kline			
	\$295.87		\$128.84		\$69.47			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 10.0 - Project Management								
10.0 - Project Management	8	\$2,366.96	80	\$10,307.20	12	\$833.64	100	\$13,507.80
Total L&E	8	\$2,367	80	\$10,307	12	\$834	100	\$13,507.80

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Airfare (Tampa to Savannah)		Parking (SAV)		Parking (TPA)		Rental Car		Lodging		M&IE		M&IE (First and Last Day of Travel)		Fuel		Expenses Total	
	Round-trip		Daily		Daily		Daily		Daily		Daily		Daily		Gallon			
	\$371.00		\$12.00		\$18.00		\$47.76		\$134.00		\$61.00		\$45.75		\$2.59			
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Task 10.0 - Project Management																		
10.0 - Project Management	2	\$742.00	2	\$24.00	4	\$72.00	2	\$95.52	4	\$536.00	0	\$0.00	4	\$183.00	12	\$31.08	30	\$1,683.60
Total L&E	2	\$742	2	\$24	4	\$72	2	\$96	4	\$536	0	\$0	4	\$183	12	\$31	30	\$1,683.60

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Sr. VP		Sr. Geologist		Sr. Scientist		Project Scientist		Sr. Scientist		Adm		Labor Total	
	Mike DeMell		Spencer Mitchell		Kristen Deason		Tarah Vick		Steven Brighton		Name			
	\$195.00		\$135.00		\$90.00		\$60.00		\$100.00		\$75.00			
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 11.0 - Sub-consultant Support Services														
1.1 - Project Mobilization	8	\$1,560.00	1	\$135.00	8	\$720.00	4	\$240.00		\$0.00	2	\$150.00	23	\$2,805.00
2.0 - Agency Coordination	3	\$585.00		\$0.00	5	\$450.00	3	\$180.00	1	\$100.00	1	\$75.00	13	\$1,390.00
6.2.1 - Biological Resources Survey	7.5	\$1,462.50		\$0.00	16	\$1,440.00	32	\$1,920.00	9	\$900.00	2	\$150.00	67	\$5,872.50
6.2.2 - Threatened and Endangered Species	6	\$1,170.00		\$0.00	8	\$720.00		\$0.00		\$0.00	1	\$75.00	15	\$1,965.00
6.2.3 - Biological Assessment	12	\$2,340.00		\$0.00	24	\$2,160.00	8	\$480.00	6	\$600.00	2	\$150.00	52	\$5,730.00
6.6 - Hazardous Materials, Solid Waste and Pollution Prevention	2	\$390.00	20	\$2,700.00		\$0.00		\$0.00		\$0.00	4	\$300.00	26	\$3,390.00
6.12 - Wetlands	8	\$1,560.00		\$0.00	16	\$1,440.00	20	\$1,200.00	10	\$1,000.00	1	\$75.00	55	\$5,275.00
6.14 - Mitigation	4	\$780.00		\$0.00	8	\$720.00	3	\$180.00	3	\$300.00	1	\$75.00	19	\$2,055.00
7.1 - Preliminary Draft EA	6	\$1,170.00		\$0.00	12	\$1,080.00		\$0.00		\$0.00	1	\$75.00	19	\$2,325.00
8.0 - Public Involvement	12	\$2,340.00		\$0.00	4	\$360.00		\$0.00		\$0.00	2	\$150.00	18	\$2,850.00
9.1 - Prelimiinary Final EA	8	\$1,560.00	4	\$540.00	12	\$1,080.00	6	\$360.00	4	\$400.00	2	\$150.00	36	\$4,090.00
10.0 - Project Management	16	\$3,120.00	2	\$270.00	12	\$1,080.00		\$0.00		\$0.00	8	\$600.00	38	\$5,070.00
Total L&E	92.5	\$18,038	27	\$3,645	125	\$11,250	76	\$4,560	33	\$3,300	27	\$2,025	381	\$42,817.50

SAV SHORT-TERM DEVELOPMENT PROGRAM ENVIRONMENTAL ASSESSMENT (rev1 24 Apr 2019)	Mileage		Field Supplies		Per Diem Lunch		EDR Report		Reproduction		Expenses Total	
	Desc		Desc		Desc		Desc		Desc			
	\$0.58		\$30.00		\$11.00		\$200.00		\$1.50			
	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost	Units	Cost
Task 11.0 - Sub-consultant Support Services												
1.1 - Project Mobilization	22	\$12.76		\$0.00		\$0.00		\$0.00		\$0.00	22	\$12.76
2.0 - Agency Coordination		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.2.1 - Biological Resources Survey	22	\$12.76	1	\$30.00	3	\$33.00		\$0.00		\$0.00	26	\$75.76
6.2.2 - Threatened and Endangered Species		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
6.2.3 - Biological Assessment		\$0.00	1	\$30.00		\$0.00		\$0.00		\$0.00	1	\$30.00
6.6 - Hazardous Materials, Solid Waste and Pollution Prevention		\$0.00		\$0.00		\$0.00	1	\$200.00		\$0.00	1	\$200.00
6.12 - Wetlands	44	\$25.52	1	\$30.00	4	\$44.00		\$0.00		\$0.00	49	\$99.52
6.14 - Mitigation		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
7.1 - Preliminary Draft EA		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
8.0 - Public Involvement	22	\$12.76		\$0.00	1	\$11.00		\$0.00		\$0.00	23	\$23.76
9.1 - Prelimiinary Final EA		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00
10.0 - Project Management	44	\$25.52		\$0.00		\$0.00		\$0.00	30	\$45.00	74	\$70.52
Total L&E	154	\$89	3	\$90	8	\$88	1	\$200	30	\$45	196	\$512.32