

Initials: _____ (Client)

Initials: _____ (ATM)

Attachment “A”

APPLIED TECHNOLOGY AND MANAGEMENT, INC



PROPOSAL FOR
PROFESSIONAL SURVEY AND
COASTAL ENGINEERING
SERVICES

POST-HURRICANE IRMA
SURVEY SERVICES AND VOLUME ANALYSIS

HOLLYWOOD, FLORIDA

PREPARED FOR: HOLLYWOOD CRA

September 14, 2017

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INTRODUCTION

In response to a request from the Hollywood Community Redevelopment Agency (CRA), Applied Technology & Management, Inc. (ATM) is pleased to provide the following proposal. The Scope of Work outlined herein will provide for a Beach Profile and Bathymetric Survey to document hurricane Irma impacts to areas of the City of Hollywood which are potentially eligible for FEMA post-storm reimbursement. This proposal provides for the quantification of storm impacts through beach profile surveys. In addition to the post storm surveys this proposal includes a volumetric analysis of the current post-storm condition in comparison to the July 2017 survey and permitted project template.

TASK 1: PHYSICAL SURVEYS

ATM will conduct a Post-Storm survey of the City of Hollywood shoreline consistent with previous physical monitoring surveys. Hydrographic and Bathymetric beach profile data will be collected using a survey vessel utilizing a survey grade fathometer and Hypack navigation software, Real-Time Kinematics (RTK), and traditional survey methods (level and rod). Data will be collected along a total of twenty-seven (27) survey lines at each FDEP range monument (R-Monument) from R-100 to R-228. The data will be collected along predetermined and previously surveyed azimuths and extend into the water to a depth of 30 feet.

Task 1 Deliverables:

1. ATM will provide survey data consistent with FDEP survey standards. ATM will provide bathymetric survey drawings delineating survey data.

TASK 2: VOLUME SUMMARY

Beach profile data will be compared to data collected during the summer 2017 survey event to quantify losses from Hurricane Irma. Post-storm survey data will also be compared to the project template to recalculate volume of sand needed to facilitate the 2017 Truck Haul Project.

Task 2 Deliverable:

1. ATM will calculate the volumetric change in the surveyed areas by comparison to the July 2017 survey data and permitted project template. ATM will prepare a summary document delineating losses sufficient for submittal to FEMA for potential reimbursement under Category G funding.

SCHEDULE

Upon approval of this proposal and authorization to proceed, an ATM team will be able to initiate this survey as quickly as scheduling and sea conditions allow. Assuming reasonable weather all tasks will be completed within 6 weeks of receipt of the Notice to Proceed.

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SUMMARY OF PROFESSIONAL LABOR FEES

Tasks	Estimated Professional Fee
Task 1: Beach and Bathymetric Survey	\$22,825
Task 2: Volumetric Analysis	\$3,020
Total Fees	\$25,845