



# DISASTER DEBRIS MONITORING



RFP No. PWWM-180069-DH | May 8, 2018



## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA



### SUBMITTED BY

**ROSTAN SOLUTIONS, LLC**  
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Valrico, Florida 33596  
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**ROSTAN**  
SOLUTIONS

May 8, 2018

City of Gainesville  
General Government Purchasing  
200 East University Avenue, Room 339  
Gainesville, Florida 32601

Re: RFP NO. PWWM-180069-DH – Disaster Debris Monitoring

Dear Selection Committee Members,

Rostan Solutions LLC (Rostan) traces its roots to 1999 when Malcolm Pirnie, Inc. launched a disaster recovery consulting practice. At that time, Malcolm Pirnie served municipal clients throughout the United States, including many in Florida, with a primary focus in water/wastewater management and environmental consulting and engineering. Due to client demand and rapidly increasing need for specialized disaster recovery-related services, Malcolm Pirnie created Rostan. Rostan was intended to, and is still to this day, focused on one-thing – assisting its clients in recovering from disasters.

***Our mission is to promote and implement responsible solutions to ensure communities are better prepared to respond to, and expeditiously recover from, disaster events.*** We pride ourselves on being a specialized firm that is selective in its pursuits and has stayed client-focused while avoiding the bureaucracy of much larger companies that prioritize profit margins and shareholder interests. As a result, we are able to provide clients with personalized service and a vast array of knowledge specific to disaster recovery and federal funding programs.

Rostan’s primary areas of expertise are:

- Disaster Debris Monitoring
- Public Assistance and Long-term Recovery
- Resiliency and Mitigation

Working alongside the City, our team will augment your staff to provide enhanced solutions to many aspects of disaster response and recovery including planning and preparedness, post-disaster debris monitoring, and FEMA public assistance and mitigation funding support where appropriate.

***HAULPASS***<sup>®</sup> In addition to our core services, Rostan is the sole purveyor of HaulPass<sup>®</sup>, the original and most trusted name in automated debris management. HaulPass<sup>®</sup> has been deployed since 2006, including more than 20 projects in Florida following Hurricane Irma last year. Since HaulPass<sup>®</sup> was developed, we have never delayed a recovery effort, stopped work, or been forced to use another data collection method due to data integrity or hardware issues. In fact, HaulPass<sup>®</sup> was awarded the 2013 Grand Prize for Operations Management by

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the American Academy of Environmental Engineers & Scientists primarily due to its reliability and ability to streamline complex data collection requirements.

I will serve as the principal contact person for Rostan on this project. I can be reached at the contact information below:

Name: Sam Rosania  
Title: Executive Vice President  
Phone: 813-505-1313  
Fax: 813-333-7330  
E-mail: srosania@rostan.com

We acknowledge receipt of Addenda 1–5. If you should have any questions or require any additional information, please do not hesitate to contact us. We appreciate your fair consideration and welcome the opportunity to demonstrate to the City why Rostan is the optimal choice to provide debris monitoring and recovery services.

Very truly yours,



Sam Rosania  
Executive Vice President  
Rostan Solutions, LLC



# TABLE OF CONTENTS

<b>SECTION 1</b>	<b>QUALIFICATIONS</b>	<b>5</b>
	1.1 Company Profile	6
	1.2 Summary of Capabilities	10
	1.3 Key Personnel	11
<b>SECTION 2</b>	<b>EXPERIENCE</b>	<b>41</b>
	2.1 Experience Overview	42
	2.2 Past Project Experience	43
<b>SECTION 3</b>	<b>PROJECT METHODOLOGY</b>	<b>53</b>
	3.1 Understanding the City of Gainesville, Florida	54
	3.2 Rostan Strategy, Approach, and Schedule	56
	3.3 Debris Collection, Management, and Disposal Plan	58
	3.4 Automated Debris Management System [ADMS]	68
	3.5 Additional Related Services	73
	3.6 Public Assistance Consulting	77
<b>SECTION 4</b>	<b>REFERENCES</b>	<b>80</b>
<b>SECTION 5</b>	<b>PRICING</b>	<b>83</b>
<b>SECTION 6</b>	<b>ADDITIONAL DOCUMENTATION</b>	<b>85</b>







# DISASTER DEBRIS MONITORING



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## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA

### SECTION 1 – QUALIFICATIONS

- 1.1 Company Profile
- 1.2 Summary of Capabilities
- 1.3 Key Personnel



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## 1.1 ROSTAN TEAM PROFILE

### ROSTAN SOLUTIONS, LLC



Rostan Solutions, LLC (Rostan) is a Florida-certified engineering firm (Lic.# 30927) tracing its origins to Malcolm Pirnie, Inc. (Malcolm Pirnie). In response to increasing client interest, in 1999 Malcolm Pirnie developed an emergency planning and disaster recovery management practice to assist clients in addressing their disaster management needs. In 2006, Malcolm Pirnie created Rostan as a wholly-owned subsidiary. In 2013, Malcolm Pirnie divested Rostan, and Rostan became an independent, privately-owned small business whose principal partners led the original development of the emergency management and disaster recovery practice while with Malcolm Pirnie in 1999. Today Rostan can proudly say that it has served more than 100 clients throughout the United States with a history of successful federally funded projects and exemplary client satisfaction.

Rostan is a client-focused firm that focuses solely on disaster response and recovery services. We currently employ more than 30 professional services personnel, all of whom maintain firsthand knowledge of federal and state-level policy, compliance, and disaster recovery programs. Our employees have extensive experience interacting with and working in coordination with Federal Emergency Management Agency (FEMA) and National Resources Conservation Service (NRCS), the two most relevant federal agencies responsible for disaster-generated debris collection efforts.

Rostan has proven success in managing recovery programs and meeting complex documentation and records requirements for FEMA reimbursement for all relevant public assistance categories. Rostan employs disaster debris management personnel who have remained consistent throughout the years and together harness more than 150 years of experience in disaster recovery operations. Information about Rostan’s projected key personnel for the City can be found in Section 1.3 of our Proposal.

### FINANCIAL STABILITY

Rostan had the financial resources to successfully manage over 25 concurrent debris monitoring missions during the 2017 hurricane season including Hurricanes Harvey, Irma, and Maria. We would be happy to furnish financial statements and bonding capacity upon request.

FLORIDA DEBRIS MONITORING CONTRACTS				
CLIENT	YEAR	EVENT	FEMA DECLARATION	STATUS
City of Belleair Beach	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Belleair Bluffs	2017	Hurricane Irma	DR-4337	Activated – Completed
Broward County Public Schools	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Coconut Creek	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Coral Springs	2017	Hurricane Irma	DR-4337	Activated – Completed
Coral Springs Improvement District	2017	Hurricane Irma	DR-4337	Activated – In Progress
City of Dania Beach	2017	Hurricane Irma	DR-4337	Activated – Completed
Village of Estero	2017	Hurricane Irma	DR-4337	Activated – Completed
New College of Florida	2017	Hurricane Irma	DR-4337	Activated – Completed
Town of Indian Shores	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Madeira Beach	2017	Hurricane Irma	DR-4337	Activated – Completed
Martin County	2017	Hurricane Irma	DR-4337	Activated – Completed
City of North Port	2017	Hurricane Irma	DR-4337	Activated – Completed
Town of Palm Beach	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Port St. Lucie	2017	Hurricane Irma	DR-4337	Activated – Completed
Town of Redington Shores	2017	Hurricane Irma	DR-4337	Activated – Completed
City of St. Pete Beach	2017	Hurricane Irma	DR-4337	Activated – Completed
Sunshine Water Control District	2017	Hurricane Irma	DR-4337	Activated – In Progress
Town of Windermere	2017	Hurricane Irma	DR-4337	Activated – Completed
Town of Sewall’s Point	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Winter Springs	2017	Hurricane Irma	DR-4337	Activated – Completed
City of Port St. Lucie	2016	Hurricane Matthew	DR-4283	Activated – Completed
Martin County	2016	Hurricane Matthew	DR-4283	Activated – Completed
Town of Sewall’s Point	2016	Hurricane Matthew	DR-4283	Activated – Completed

# *State of Florida*

## *Department of State*

I certify from the records of this office that ROSTAN SOLUTIONS, LLC is a limited liability company organized under the laws of the State of Florida, filed on October 30, 2014, effective November 1, 2014.

The document number of this limited liability company is L14000169270.

I further certify that said limited liability company has paid all fees due this office through December 31, 2018 and that its status is active.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the First day of February, 2018*



*Ken Detjmer*  
**Secretary of State**

Tracking Number: CC4381447559

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>





Florida Board of Professional Engineers  
 2639 North Monroe Street, Suite B-112  
 Tallahassee, FL 32303-5268

Rostan Solutions, LLC  
 3433 LITHIA PINECREST ROAD  
 SUITE 287  
 VALRICO, FL 33596

Each licensee is solely responsible for notifying the Florida Board of Professional Engineers in writing the licensee's current address.

Name changes require legal documentation showing name change. An original, a certified copy, or a duplicate of an original or certified copy of a document which shows the legal name change will be accepted unless there is a question about the authenticity of the document raised on its face, or because the genuineness of the document is uncertain, or because of another matter related to the application.

At least 90 days prior to the expiration date shown on this license, a notice of renewal will be sent to your last known address. If you have not yet received your notice 60 days prior to the expiration date, please call (850) 521-0500, or write, Florida Board of Professional Engineers, 2639 North Monroe Street, Suite B-112, Tallahassee, FL 32303-5268 or e-mail: board@fbpe.org. Our website address is <http://www.fbpe.org>.

# State of Florida

## Board of Professional Engineers

Attests that  
**Rostan Solutions, LLC**



Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019

Audit No: 228201904834 R

CA Lic. No:

30927





## Minority and Small Business Development

Certification Program

This is to certify that in accordance with City of Tampa Ordinance 2008-89

**Rostan Solutions, LLC**

is hereby certified as a

**Small Local Business Enterprise (SLBE)**

In the following specialty(ies)

**Environmental Consulting, Environmental Engineering, Disaster Planning,  
Disaster Long-term Recovery, Disaster Debris Monitoring and Management,  
Resiliency**

**This certification is valid from October 18, 2016 to October 18, 2018**

Updates for recertification are required prior to the expiration date listed above. If at any time changes are made in your firm that are not in concert with our eligibility requirements, you agree to report those changes to us for evaluation. The City of Tampa reserves the right to terminate this certification at anytime it determines eligibility requirements are not being met.

**Gregory K. Hart, Manager  
Minority and Small Business Development**

## 1.2 SUMMARY OF CAPABILITIES

Rostan offers our clients complete disaster preparedness, response and recovery capabilities incorporating client advocacy, timely responsiveness, operational flexibility, creativity, innovation and efficient solutions. Disaster Management Services relevant to this project are outlined below.

### PRE-EVENT SERVICES

DISASTER PREPAREDNESS PLANS	<ul style="list-style-type: none"> <li>• Debris Management Plans (e.g., for hurricanes, floods, earthquakes, weapons of mass destruction [WMD], etc.)</li> <li>• Mobilization Plan</li> <li>• Needs Assessment</li> <li>• Comprehensive Emergency Management Plans</li> <li>• Continuity of Operations Plans</li> <li>• Mitigation Planning and Engineering Response and Recovery Plans</li> <li>• Geographic Information Systems (GIS) Capabilities Analysis</li> </ul>
DEBRIS MANAGEMENT SERVICES	<ul style="list-style-type: none"> <li>• Available Sites Inventory Research / Permitting</li> <li>• DMS Baseline Investigations and Regulatory Support</li> <li>• DMS Environmental Monitoring and Closure Reports</li> </ul>
CONTRACTS ADMINISTRATION SUPPORT	<ul style="list-style-type: none"> <li>• Debris Contractor Procurement Assistance</li> <li>• Contracts Management</li> <li>• Storm Debris Collections Contracts Review</li> </ul>
ADDITIONAL SERVICES	<ul style="list-style-type: none"> <li>• Community Relations for Debris Removal Programs</li> <li>• Training Workshops and Table-Top Exercises</li> </ul>

### POST-EVENT SERVICES

DEBRIS CONTRACTOR MANAGEMENT AND MONITORING	<ul style="list-style-type: none"> <li>• Contract Administration</li> <li>• Operations Routing and Mapping</li> <li>• Debris Contractor Vehicle Certification</li> <li>• DMS Operations Monitoring</li> <li>• Quality Assurance (QA) Monitoring (load site and tower QA monitors)</li> <li>• Waterway Debris and Sediment Removal Monitoring</li> <li>• Private Property Debris Removal (PPDR) Management</li> <li>• Demolition Debris Removal Management</li> <li>• PPDR and Demolition Documentation Management</li> <li>• DMS Permitting and Close-out</li> <li>• Data Management and Information Systems Support</li> </ul>
PROGRAM MANAGEMENT	<ul style="list-style-type: none"> <li>• Project Management and Scheduling</li> <li>• GIS/GPS Interface Support</li> <li>• Asset Management</li> <li>• Database Management</li> <li>• Contractor Invoice Reconciliation</li> </ul>
REGULATORY AND REIMBURSEMENT SUPPORT	<ul style="list-style-type: none"> <li>• Federal Reimbursement Programs</li> <li>• FEMA Coordination</li> <li>• Grant Applications – 404, 406, CDBG</li> <li>• Reporting and Permitting</li> </ul>
ADDITIONAL SERVICES	<ul style="list-style-type: none"> <li>• Damage Assessments of Public Infrastructure</li> </ul>

## 1.3 KEY PERSONNEL

The primary goal of any disaster recovery effort is to safely and expeditiously return a community to normalcy. This means prioritizing restoration of key services, such as utilities, and removing immediate threats to public health and safety like fallen trees and other debris from roadways. While pre-disaster planning is a very important component, there is no replacement for experience during a time of need.

We have assembled a highly experienced and cohesive team to best meet the needs of the City, so that we can quickly, efficiently, and cost effectively execute the projects tasks that the City requires. Individuals integral to providing the services requested are highlighted below.

### **SAM ROSANIA: PRINCIPAL | EXECUTIVE VICE PRESIDENT**

Mr. Rosania will serve the City as Rostan's Project Principal. He is the Executive Vice President of Rostan and has more than 35 years of experience working for the public and the private sector. His areas of expertise include disaster management and recovery, integrated solid waste management, and hazardous waste management. He is a co-founder of Rostan.

### **JEFF COUSINS: PROGRAM MANAGER**

A Florida resident, Mr. Cousins has 14 years of experience specific to debris management and disaster recovery operations. He specializes in managing complex debris monitor projects and serves as Rostan's Program Manager for municipal clients in the State of Florida. He has been on staff with Rostan since 2004.

### **JORDAN BRYANT: PROJECT MANAGER**

Mr. Bryant has 14 years of experience and has served as Project Manager supporting disaster recovery efforts throughout the Country including most recently for several clients in Florida and Puerto Rico following Hurricanes Irma and Maria. He has been on staff with Rostan since 2004.

### **AUSTIN FREEMAN: OPERATIONS MANAGER**

Mr. Freeman has 10 years of experience specific to debris monitoring services. He specializes in debris monitoring operations including most recently as Operations Manager for the City of Orange, TX and Hardin County, TX following Hurricane Harvey. He has been on staff with Rostan since 2008.

### **MIKE WIENCEK: FIELD SUPERVISOR**

Mr. Wiencek has 12 years of experience working on debris monitoring projects. He is immensely qualified to fill the lead field supervisor role on behalf of the City. He has been on staff with Rostan since 2006.

### **TOMMY HORTON: SENIOR CONSULTANT**

Mr. Horton is a resident of Tallahassee, FL and has 27 years of experience as a disaster recovery consultant. He works with critical infrastructure, state agencies, local communities, and industry. He provides solutions to identify all-hazards vulnerabilities, risks, consequences, and capacity to respond to and recover from natural and man-made incidents. He is a recognized expert in FEMA, HUD, FHWA, and DHS programs. He has been on staff with Rostan since 2008.

### **LEE WORDSMAN: CONSULTANT**

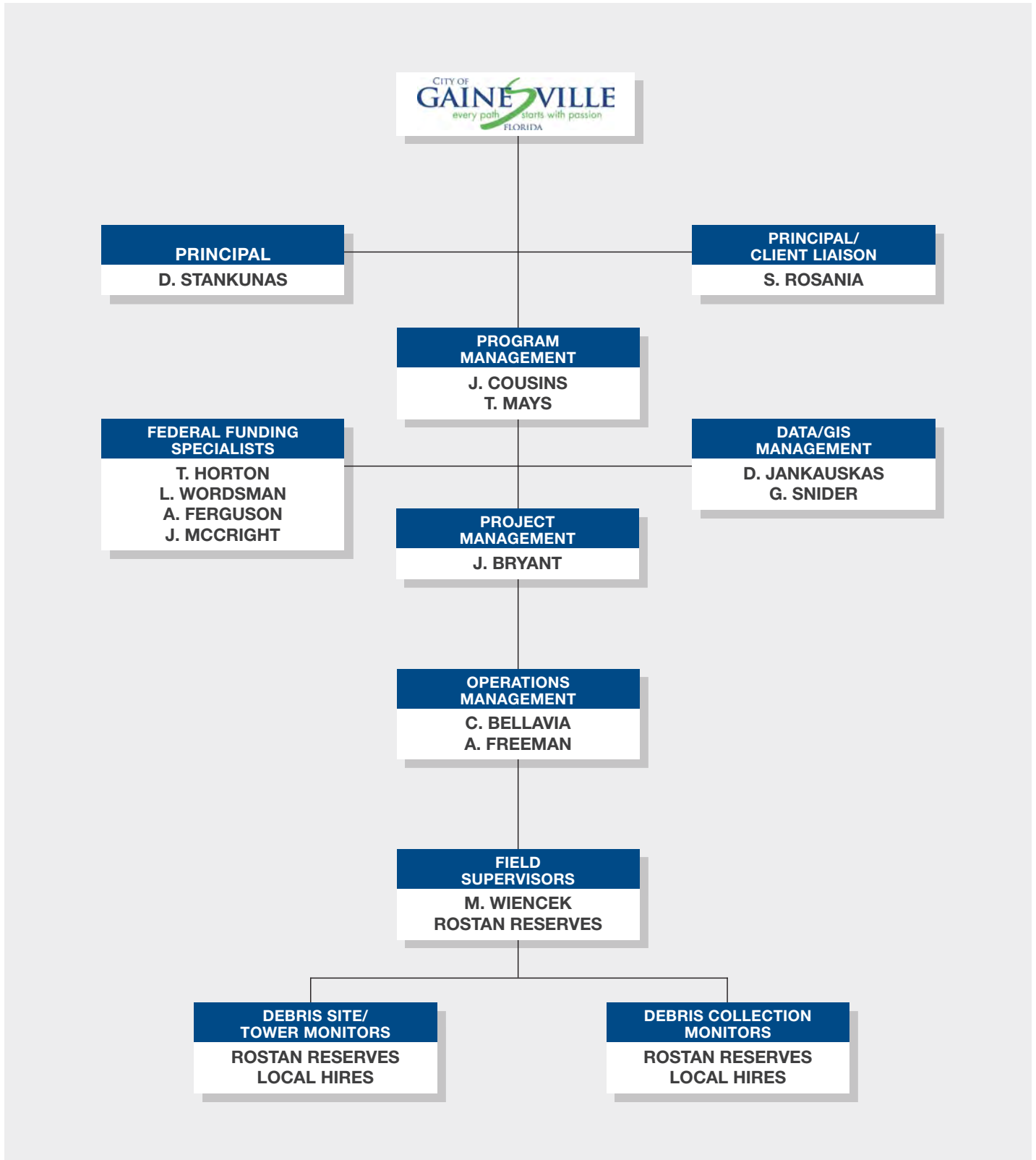
Mr. Wordsman will serve the City as Rostan's lead Public Assistance Consultant. He has nearly 30 years of experience related to regulatory compliance and project permitting, program management, and public assistance support. He has been on staff with Rostan since 2012.

Organizational structure and resumes for these key individuals, as well as other individuals anticipated to serve the City are included on the following pages.



## ORGANIZATIONAL STRUCTURE

Rostan is organized to perform as a unified team to create a seamless and transparent approach to projects. As shown in the following organizational chart, we have assembled industry experts with the qualifications and experience needed for this project. This organizational structure provides the City with a defined leadership and communication structure.



# SAMUEL M. ROSANIA

PRINCIPAL | EXECUTIVE VICE PRESIDENT

## EDUCATION

University of Tennessee 1979  
 Graduate studies  
 Agricultural Biology  
 University of Florida 1978  
 Bachelor of Science  
 Plant Pathology

## YEARS OF EXPERIENCE

35

## LICENSES AND CERTIFICATIONS

- IS-100: Introduction to Incident Command Systems
- IS-200: ICS for Single Resources and Initial Action Incidents
- IS-700: National Incident Management System (NIMS) An Introduction

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2016 Flooding, LA
- 2016 Tornado, VA
- 2015 Flooding, SC
- 2015 Avian Flu Response, IA
- 2015 Ice Storm, TN
- 2012 Hurricane Sandy
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2010 Earthquake, Haiti
- 2010 Earthquake, Chile
- 2008 Hurricane Ike
- 2006 Ice Storm, NY
- 2005 Hurricane Rita
- 2005 Hurricane Katrina
- 2005 Hurricane Wilma
- 2004 Hurricane Jeanne
- 2004 Hurricane Frances
- 2001 Tropical Storm Gabrielle

Mr. Rosania has more than 35 years of experience working for the public and the private sector related to disaster management and recovery, Public Assistance funding, emergency management, public health, integrated solid waste management and hazardous waste management. Mr. Rosania has been extensively involved with hazard mitigation, emergency management and disaster management and recovery operations since 1998. He is recognized as an expert in Integrated Solid Waste Management Planning and pre- and post- incident disaster planning and recovery. Mr. Rosania has managed numerous disaster recovery projects both at the regional and local level. He is very familiar with local, state and federal regulations associated with disaster management and mitigation, solid and hazardous waste management, including the Stafford Act and applicable FEMA regulations.

## RECENT PROFESSIONAL EXPERIENCE

### PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | CHARLESTON COUNTY, SOUTH CAROLINA | FEMA DR-4241 | 2015-ONGOING

Project Principal responsible for Rostan providing professional disaster recovery services to Charleston County SC as a result of severe storms and flooding from October 1-23, 2015 (FEMA DR-4241). Services include debris monitoring and management, FEMA Public Assistance program and other funding program assistance related to County owned and/or maintained public infrastructure, procurement assistance and construction / post construction support.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CHARLESTON COUNTY, SOUTH CAROLINA FEMA DR-4286 | 2016-2017

Program Manager providing stand-by debris operations management support to Charleston County, SC for more than 11 years. In October 2016 following Hurricane Matthew, he was responsible for providing overall project quality assurance, FEMA reimbursement support, and serving as client liaison with the County and SCEMD. He oversaw the successful hiring, training and deployment of nearly 100 local staff.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | MARTIN COUNTY, FLORIDA | FEMA DR-4283 | 2016-2017

Project Principal for debris recovery effort in Martin County, FL following Hurricane Matthew in October 2016. Responsible for overall project coordination and quality assurance. Rostan provided FEMA reimbursement assistance, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 40 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 70 days, 155,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF PORT ST. LUCIE, FLORIDA | FEMA DR-4283 | 2016-2017

Project Principal for debris recovery effort following hurricane Matthew in October 2016. Responsible for overall project coordination and quality assurance. Rostan provided debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 50 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 120 days, 110,000 cubic yards of vegetative debris, over 5,000 hazardous hanging limbs and 475 hazardous leaning trees were documented, removed, processed and taken to final disposal.

## **SAMUEL M. ROSANIA**

PRINCIPAL | EXECUTIVE VICE PRESIDENT



### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF GARDEN CITY, GEORGIA | FEMA DR-4284 | 2016**

Program Manager for the Garden City, GA project following Hurricane Matthew in October 2016. He was responsible for providing overall project quality assurance and FEMA reimbursement support. He also provided recommendations and guidance regarding all Public Assistance categories (A-G), as well as, 406 and 404 Mitigation opportunities associated with the City's damaged infrastructure.

### **HAZARD MITIGATION GRANT PROGRAM PROJECT APPLICATION | IOPWSC WILD DUNES WWTP RELOCATION, FLOODPROOFING AND CONSOLIDATION OF SERVICES PROJECT | ISLE OF PALMS, SC | FEMA DR-4241 | 2016-PRESENT**

Project Principal responsible for Rostan preparing the Hazard Mitigation Grant Program (HMGP) Project Application (the "Application") for the Isle of Palms Water and Sewer Commission Project. Rostan provided services to complete the HMGP application and develop a technically feasible and eligible project submission, as well as, assist with correspondence with South Carolina Emergency Management Division (SCEMD) and FEMA.

### **HAZARD MITIGATION GRANT PROGRAM PROJECT APPLICATION | DRAINAGE IMPROVEMENT PROJECT | TOWN OF SULLIVAN'S ISLAND, SOUTH CAROLINA | FEMA DR-4241 | 2016-PRESENT**

Project Principal responsible for Rostan preparing the Hazard Mitigation Grant Program (HMGP) Project Application (the "Application") for the Sullivan's Island Drainage Improvement Project. Rostan provided services to complete the HMGP application and develop a technically feasible and eligible project submission, as well as, assist with correspondence with South Carolina Emergency Management Division (SCEMD) and FEMA. Rostan provided subject matter experts with the expertise and qualifications needed to provide hazard mitigation program management and administration services. Our established team of experts developed tools to assist with property owner outreach and engagement, project scoping and cost estimating, benefit-cost analysis (BCA), post-disaster loss avoidance reporting, economic impact analysis, standard operating procedures, and quality assurance and control measures.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CUMBERLAND COUNTY, TENNESSEE | FEMA DR-4210 | 2015-2016**

Program Manager responsible for debris management and monitoring services in Cumberland County, TN following ice storms of February 2015. Responsible for FEMA reimbursement assistance, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 75 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. 700,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | WHITE COUNTY, TENNESSEE | FEMA DR-42810 | 2015**

Program Manager responsible for debris management and monitoring services in White County, TN following ice storms of February 2015. Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 25 local staff. Over the course of 75 days, 135,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | TOWNSHIP OF BRICK, NEW JERSEY | FEMA DR-4086 | 2012-2014**

Project Principal responsible for all aspects of the Township's post-Hurricane Sandy disaster recovery program including disaster debris management, private property debris removal/demolition program, public assistance funding, and hazard mitigation planning.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012-2014**

Project Principal responsible for deployment and management of disaster response and recovery team in support of debris management services for 20 municipalities in the State of New Jersey. Responsible for overseeing the monitoring and tracking of over 33 thousand truckloads of debris totaling 1.3 million cubic yards, and more than 2,400 truckloads totaling over 55 thousand tons of debris that was tracked by weight. Provided quality assurance for all debris management operations in the state.



# JEFF COUSINS

PROGRAM MANAGER

## YEARS OF EXPERIENCE

14

## LICENSES AND CERTIFICATIONS

- IS-5.a: Introduction to Hazardous Materials
- IS-100: Introduction to Incident Command System
- IS-200: ICS for Single Resources and Initial Action Incidents
- IS-300: Intermediate ICS
- IS-400: Advanced ICS
- IS-700: National Incident Management System (NIMS)
- IS-800: National Response Framework
- Hazardous Waste Operations and Emergency Response Training (40HR Initial/8 HR Refresher)
- OSHA Disaster Training

## RECOVERY EVENTS

- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2016 Flooding, LA
- 2016 Tornado, VA
- 2015 Flooding, SC
- 2015 Ice Storm, TN
- 2014 Ice Storm, GA
- 2012 Hurricane Sandy
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2010 Earthquake, Haiti
- 2008 Hurricane Ike
- 2006 Ice Storm, NY
- 2005 Hurricane Rita
- 2005 Hurricane Katrina
- 2005 Hurricane Wilma
- 2004 Hurricane Jeanne
- 2004 Hurricane Frances

Mr. Cousins has 14 years of experience specific to debris management and disaster recovery operations. Mr. Cousins specializes in disaster management and recovery and has served as Project Manager supporting disaster recovery and reimbursement projects following some of the world's most devastating disasters. Mr. Cousins was responsible for the deployment of over 450 quality assurance monitors deployed in 11 counties and 5 cities in Mississippi for the USACE Task Force Hope mission following Hurricane Katrina. Mr. Cousins served as Operations Manager for the deployment of the HaulPass® System in Haiti following the devastating 2010 earthquake. Following Hurricane Sandy, Mr. Cousins served as Project Manager responsible for the disaster response and recovery team supporting debris management services for 17 municipalities in New Jersey. Most recently, he spearheaded program and project management for multiple municipalities in Florida following Hurricane Irma.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CORAL SPRINGS, FL | FEMA DR-4337 | 2017-2018

Mr. Cousins served as Rostan's project manager for our work with the City of Coral Springs following Hurricane Irma in September 2017. Mr. Cousins was responsible for debris removal monitoring, client coordination, DMS monitoring and closeout, and hauler invoice reconciliation. In addition, he was responsible for the successful deployment of the HaulPass® Automated Debris Management System. Over the course of 66 days, 300,000 cubic yards of storm generated debris was removed, processed and taken to final disposal. Over 13,000 hazardous limbs and 111 damaged or uprooted trees were also removed.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES DANIA BEACH, FL | FEMA DR-4337 | 2017-2018

Served as project manager for Rostan's deployment for Dania Beach, FL following Hurricane Irma in September 2017. Responsible for debris removal monitoring, client coordination, DMS monitoring, hauler invoice reconciliation, FEMA reimbursement assistance, and the hiring, training, and deployment of more than 30 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 45 days, over 60,000 cubic yards of C&D and vegetative debris was removed, processed and taken to final disposal. Over 3,700 hazardous limbs and 220 damaged or uprooted trees were also removed.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES MULTIPLE MUNICIPALITIES, FLORIDA | FEMA DR-4337 | 2017-2018

As Program Manager, Mr. Cousins directed all of Rostan's resources serving 21 municipalities throughout the State of Florida. He was directly responsible for ensuring that our debris monitoring teams provided the highest level of client service. Our debris monitoring clients included:

CORAL SPRINGS IMPROVEMENT DISTRICT	CITY OF COCONUT CREEK
MARTIN COUNTY	CITY OF CORAL SPRINGS
CITY OF NORTH PORT	CITY OF DANIA BEACH
CITY OF BELLEAIR BEACH	CITY OF INDIAN SHORES
CITY OF BELLEAIR BLUFFS	CITY OF MADEIRA BEACH
BROWARD COUNTY SCHOOL DISTRICT	NEW COLLEGE OF FLORIDA

# JEFF COUSINS

PROGRAM MANAGER



CITY OF PORT ST. LUCIE	VILLAGE OF ESTERO	SUNSHINE WATER CONTROL DISTRICT
CITY OF REDINGTON SHORES	TOWN OF WINDERMERE	CITY OF PALM BEACH
CITY OF ST. PETE BEACH	CITY OF WINTER SPRINGS	CITY OF SEWALLS POINT

Our services were customized to each client's needs, but typically included debris collection monitoring, client coordination, truck certification, DMS monitoring, hauler invoice reconciliation, and FEMA reimbursement assistance. HaulPass®, Rostan's Automated Debris Management system was deployed for every one of our clients. Under Mr Cousins' guidance, Rostan staff monitored the collection and disposal of over 1,000,000 cubic yards of storm generated debris throughout the State of Florida. Debris removal monitoring operations continue and are expected to be complete in the 2nd Quarter of 2018.

## **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT**

### **CHARLESTON COUNTY, SC | FEMA DR-4241 | 2015-ONGOING**

Consultant. Responsible for management of the Public Assistance (PA) program for Charleston County, South Carolina. Duties included managing the County's post-event debris removal project, including the utilization of HaulPass® to track the removal of more than 30,000 cubic yards of C&D, vegetative, and white goods debris. Additionally, served as a member of Rostan's field assessment team tasked with assessing and quantifying flood related damages to 222 unpaved roads and 33 drainage canals associated with the severe storms and flooding.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | MARTIN COUNTY, FL | FEMA DR-4283 | 2016-2017**

Project Manager. Served in Martin County, FL following Hurricane Matthew in October of 2016. Responsible for invoicing, FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 40 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 70 days, 155,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF PORT ST. LUCIE, FL FEMA DR-4283 | 2016-2017**

Project Manager. Served in The City of Port St Lucie, FL following Hurricane Matthew in October of 2016. Responsible for FEMA reimbursement assistance, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 50 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | IBERIA PARISH, LA | FEMA DR-4277 | 2016**

Served as Project Manager in Iberia Parish, LA following the severe flooding in August of 2016. Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of field staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CUMBERLAND COUNTY, TN FEMA DR-4210 | 2015-2016**

Project Manager. Served in Cumberland County, TN following ice storms of February 2015. Responsible for invoicing, FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 75 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 100 days, 700,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **CITY OF ST. PETERSBURG, FL | PROGRAM MANAGER | SHORE ACRES MITIGATION RECONSTRUCTION PROJECT AND SHORE ACRES ELEVATION PROJECT | 2015-PRESENT**

Manage, administer and monitor the Federal Emergency Management Agency (FEMA) Hazard Mitigation Assistance Grant Program in the Shore Acres neighborhood of St. Petersburg. Responsibilities consist of confirming adherence to all HMAP guidelines, ensuring project stays on budget, verifying project receipts, submitting quarterly reports, and completing and submitting project close out reports.

## **JEFF COUSINS**

PROGRAM MANAGER



### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | WHITE COUNTY, TN**

#### **FEMA DR-4210 | 2015**

Served as part of project management team in White County, TN following ice storms of February 2015 Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 25 local staff. 135,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012–2014**

Project Manager. Served in Served as Project Manager for seventeen municipalities in New Jersey following Hurricane Sandy. Mr. Cousins was responsible for all field operations in the state including the deployment of over 150 monitors spread between the seventeen municipalities.

### **USACE KANSAS CITY DISTRICT–JOPLIN, MO | HAULPASS® SYSTEM | FEMA DR-1980 | 2011**

Project Manager responsible for deployment of the HaulPass® Automated Debris Management System. The USACE was assigned a mission to oversee debris recovery operations following the devastating tornado that impacted the Joplin, MO area in April 2011. The USACE selected the HaulPass® System for tracking all debris removal field data to streamline its recovery efforts. The HaulPass® System was successfully utilized to track the removal of debris from public Rights-of-Way (ROW) and private property throughout the area. We also hired, trained and deployed over 60 local staff to operate the System in the field and to assist the USACE with contractor oversight.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | JAMES CITY COUNTY, VA | FEMA DR-4024 | 2011**

Project Manager responsible for deployment and management of disaster response and recovery team in support of debris management services for James City County, VA following Hurricane Irene. Provided oversight of ROW debris collection, removal of hazardous leaning tress and hanging limbs, and stumps utilizing the HaulPass® System

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CITY OF BIRMINGHAM, AL | FEMA DR-1971 | 2011**

Project Manager responsible for deployment and management of disaster response and recovery team in support of debris management services for the City of Birmingham, AL following severe storms of April 2011. Provided oversight of ROW debris collection, removal of hazardous leaning tress and hanging limbs, stumps, demolitions and private property debris removal utilizing the HaulPass® System.

### **USACE FORT WORTH DISTRICT | HAULPASS® SYSTEM | TEXAS & LOUISIANA | FEMA DR-1791 | 2008**

Project Manager responsible for the deployment of the HaulPass® automated debris management system in the Galveston and Chambers County areas in Texas following Hurricane Ike. The USACE performed debris removal work on Texas DOT (state and federal) roads. Emergency work was completed in 10 days. The HaulPass® system was also successfully deployed in Cameron and Vermillion Parishes in Louisiana. The USACE utilized the system to its fullest capabilities and entirely eliminated the use of paper load tickets. By using the HaulPass® system, the USACE completed validation of all load ticket data one day after field operations had ceased, had eliminated data entry effort and the need for QA/QC of manually entered load ticket information.



# JORDAN BRYANT

PROJECT MANAGER

## YEARS OF EXPERIENCE

14

## CERTIFICATIONS AND TRAINING

- IS-100: Introduction to the Incident Command System
- IS-200: ICS for Single Resources and Initial Action Incidents
- IS-700: National Incident Management System (NIMS)
- IS-800: National Response Plan Framework
- IS-632.a: Intro to Debris Operations
- IS-634: Intro to FEMA Public Assistance Program
- IS-230: Fundamentals of Emergency Management
- First Aid/ Cardio Pulmonary Resuscitation (CPR)
- Hazardous Waste Operations and Emergency Response Training (40HR Initial/8 HR Refresher)
- OSHA Disaster Training

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2016 Flooding, LA
- 2015 Flooding, SC
- 2015 Avian Flu Response, IA
- 2015 Ice Storm, TN
- 2014 Ice Storm, GA
- 2012 Hurricane Sandy
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2010 Earthquake, Haiti
- 2008 Hurricane Ike

Mr. Bryant has 14 years of disaster recovery management experience. He has specialized in debris management since early 2006. Mr. Bryant is a lead operations manager for debris monitoring and HaulPass® services. Mr. Bryant began in Mississippi working alongside the US Army Corps of Engineers (USACE) in their Task Force Hope mission following Hurricane Katrina. He served as a staff manager in Erie County, NY and in Buffalo, NY concurrently in 2006 in response to a large ice storm. He helped facilitate the deployment and operations of five debris removal monitoring projects in the Houston, Texas area following Hurricane Ike in 2008. Mr. Bryant served as Field Manager for HaulPass® throughout the USACE response to Hurricane Ike in Cameron and Vermillion Parishes, Louisiana and in Galveston, Texas. He was Field Manager, technical lead, and HaulPass® trainer for Haitian staff in Port Au Prince, Haiti following the devastating 2010 earth quake. He served as lead Field Manager during the USACE response to the EF-5 tornado that devastated Joplin, Missouri. In 2011 he assisted in facilitating debris removal efforts, staff training, and field management following a deadly hurricane in Birmingham, Alabama. Later in 2011, he took lead field management roles in York and in James City Counties in Virginia following Hurricane Irene. More recently, Mr. Bryant oversaw monitoring operations for 17 municipalities throughout the state of New Jersey following Hurricane Sandy. He specializes in tracking debris removal efforts, staff training and management, and technical implementation.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | COCONUT CREEK, FL | FEMA DR-4337 | 2017-2018

As Project Manager, Mr. Bryant was responsible for overseeing all aspects of Rostan's services for Coconut Creek, FL. This included hiring, training, and deploying a team of more than 25 debris and DMS monitors, providing daily client updates, serving as a primary interface with the contractor's management team, certification of hauler equipment, and deployment of the HaulPass® Automated Debris Management System. Over the course of 45 days, more than 97,000 cubic yards of disaster-generated debris was collected and taken to final disposal.

### PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | CHARLESTON COUNTY, SC | FEMA DR-4241 | 2015-ONGOING

Consultant. Serving as a member of Rostan's field assessment team tasked with assessing and quantifying flood related damages to 222 unpaved roads and 33 drainage canals associated with the severe storms and flooding. Assist in development of scope of services and cost estimates for PA categories C and D PWs, as well as developing long-term projects and strategies for Mitigation improvements.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | ESSEX COUNTY, VA | TORNADO | 2016

Project manager in charge of overseeing debris cleanup throughout Essex County following the devastating tornado that occurred in 2016. Mr. Bryant was responsible for overseeing the monitoring and tracking of over 160 truckloads totaling over 7,400 cubic yards of storm debris which was removed from the Right-of-Way (ROW). He served as the lead debris removal consultant, and was responsible for staff management, contractor coordination, and data management and reporting.

## JORDAN BRYANT

PROJECT MANAGER



### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CUMBERLAND COUNTY, TN

FEMA DR-4210 | 2015–2016

Operations Manager. Served as Operations Manager in Cumberland County, TN following ice storms of February 2015. Responsible for debris removal monitoring, DMS monitoring and the oversight of more than 75 local staff.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | WHITE COUNTY, TN

FEMA DR-4210 | 2015

Operations Manager. Responsible for debris removal monitoring, DMS monitoring, vehicle and equipment certification, and the oversight of more than 25 local staff.

### AVIAN FLU RESPONSE | IOWA | USDA 2124 DISASTER | 2015

Served as an area supervisor responsible for the collection and tracking of project related costs associated with labor hours, equipment usage, and material consumption. Data was collected in the field through manual verification and entered into a custom web interface. Served at various facilities throughout the project including two of the largest facilities employing over 400 temporary personnel each. Responsible for the deployment and management of Rostan staff to remote geographic locations in the Midwest.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012–2014

Operations Manager. Operations manager in charge of overseeing debris cleanup in 17 municipalities throughout the state of New Jersey. Mr. Bryant served as the lead operations manager throughout New Jersey, responsible for managing multiple projects concurrently. He supported all field operations throughout the state, typically taking on a direct project management role on most of the larger projects. He was responsible for overseeing the monitoring and tracking of over 33 thousand truckloads of Hurricane Sandy debris totaling 1.3 million cubic yards, and additionally over 2,400 truckloads totaling over 55 thousand tons of debris that was tracked by weight.

Additionally served as Operations Manager overseeing the debris cleanup of all state waterways in the central region of New Jersey. Mr. Bryant was responsible for training and managing a staff of over 30 people spread across a large geographic region. He was in charge of the monitoring of the removal of over 80,000 cubic yards of water generated debris, including submerged vehicles and vessels tracked in coordination with the state police. Mr. Bryant was also in charge of overseeing the monitoring of all dredging operations throughout the central region of New Jersey. His team successfully monitored and tracked the removal and disposal of over 450,000 cubic yards of dredged material.

## OTHER RELATED EXPERIENCE

2011 USACE KANSAS CITY DISTRICT | HAULPASS® ADMS

2011 DISASTER DEBRIS MANAGEMENT | CITY OF BIRMINGHAM, AL | FEMA DR-1971

2010 PORT AU PRINCE, HAITI | EARTHQUAKE

2008 USACE FORT WORTH DISTRICT | GALVESTON AND CHAMBERS COUNTIES, TX | FEMA DR-1791

# AUSTIN FREEMAN

OPERATIONS MANAGER

## YEARS OF EXPERIENCE

10

## CERTIFICATIONS AND TRAINING

- IS-100: Introduction to the Incident Command System
- IS-0632.a: Introduction to Debris Operations
- IS-0631: Public Assistance Operations
- IS-0634: Intro to FEMA Public Assistance Program
- IS-37: Managerial Safety and Health
- IS-546: Continuity of Operations Awareness
- IS-547: Intro to Continuity of Operations

## RECOVERY EVENTS

- 2017 Hurricane Harvey
- 2015 Ice Storm, TN
- 2014 Ice Storm, GA
- 2012 Hurricane Sandy
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2010 Earthquake, Haiti
- 2008 Hurricane Ike

Mr. Freeman has 10 years of disaster management experience and has specialized in debris management and disaster recovery since late 2008. Mr. Freeman is one of the primary HaulPass® trainers for field staff and main technical leads. Mr. Freeman began in Texas working alongside the US Army Corps of Engineers (USACE) following Hurricane Ike. Mr. Freeman served as Field Technician Specialist for HaulPass® throughout the USACE response to Hurricane Ike in Cameron and Vermillion Parishes, Louisiana and in Galveston, Texas. He was Field Manager, technical lead, and HaulPass® trainer for Haitian staff in Port Au Prince, Haiti following the devastating 2010 earthquake. He served as Field Manager during the USACE response to the EF-5 tornado that devastated Joplin, Missouri. In 2011, he took a lead field management role in James City County in Virginia following Hurricane Irene. More recently, Mr. Freeman assisted in coordination efforts while on deployment to New York City in response to Hurricane Sandy. He specializes in tracking debris removal efforts, staff training and management, and technical implementation.

## PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HARDIN COUNTY, TX | FEMA DR-4332 | 2017-2018

As Project Manager, Mr. Freeman was responsible for overseeing all aspects of Rostan's services for Hardin County, TX. This included hiring, training, and deploying a team of more than 50 debris and DMS monitors, providing daily client updates, serving as a primary interface with the Contractors management team, certification of hauler equipment, and deployment of the HaulPass® Automated Debris Management System. Over the course of 94 days, over 216,000 cubic yards of disaster-generated debris was collected and taken to final disposal. Mr. Freeman was also responsible for overseeing the monitoring of an additional 45,000 cubic yards of debris that was collected under contract to municipalities within Hardin County.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CITY OF ORANGE, TX | FEMA DR-4332 | 2017-2018

As Project Manager, Mr. Freeman was responsible for overseeing all aspects of Rostan's services for City of Orange, TX. This included hiring, training, and deploying our team of 35 debris and DMS monitors, providing daily client updates, serving as a primary interface with the Contractors management team, certification of hauler equipment, and deployment of the HaulPass® Automated Debris Management System. Over the course of 81 days, over 295,000 cubic yards of disaster generated debris was collected and taken to final disposal.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES ICE STORM | CUMBERLAND COUNTY, TN | FEMA DR-4211 | 2015-2016

Served as Operations Manager responsible for deployment, all training on the HaulPass® Automated Debris Management System, technical support, truck certifications, and daily field operations. Also coordinated all daily Right-of-Way (ROW) debris removal efforts with contractors Operations Manager. The HaulPass® Automated Debris Management System was utilized to track the removal of more than 700,000 cubic yards of debris from the ROW to its final disposal.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES ICE STORM | JENKINS COUNTY, GA | FEMA DR-4165 | 2014

Served as Operations Manager responsible for deployment, all training on the HaulPass® Automated



# AUSTIN FREEMAN

OPERATIONS MANAGER



Debris Management System, technical support, truck certifications, and daily field operations. Also coordinated all daily Right-of-Way (ROW) debris removal efforts with contractors Operations Manager. The HaulPass® Automated Debris Management System was utilized to track the removal of more than 45,000 cubic yards of debris from the ROW to its final disposal.

## **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT**

### **TOWNSHIP OF BRICK, NJ | FEMA DR-4086 | 2012–2014**

Served as Operations Manager responsible for final pass of ROW debris removal and the implementation of private property debris removal and demolition efforts following Hurricane Sandy. Responsibilities included managing all field personnel, scheduling, permit approval and verification, Right-of-Entry (ROE) development, compliance with public and federal notification procedures, insurance recovery and fund collection, contractor invoice reconciliation.

### **DISASTER DEBRIS MANAGEMENT | BOROUGH OF KEANSBURG, NJ | FEMA DR-4086 | 2014**

Operations Manager responsible for leading documentation and data collection efforts during ongoing Phase II of residential demolition and generated debris disposal efforts following Hurricane Sandy.

## **US ARMY CORPS OF ENGINEERS (USACE) NEW YORK DISTRICT**

### **AUTOMATED DEBRIS MANAGEMENT SYSTEM | FEMA DR-4085 | 2012 – 2013**

Responsible for assisting in coordination of all field operations and the deployment of HaulPass® in New York City following Hurricane Sandy. Managed more than 20 locally hired staff in a coordinated effort to provide 24-hour certification services to the client for 63 consecutive days during the project term. Also responsible for training and managing 10 employees at the Port of Coeymans, a barge offload area for storm generated debris. Debris generated in all five boroughs was put on barges on Staten Island and tracked using HaulPass® to the Port of Coeymans and its final destination at Seneca Meadows Landfill in upstate New York. Oversaw the successful removal of 650+ hazardous stumps from NYC Parks. The HaulPass® system captured more than 32,000 loads of debris disposed of at more than 22 facilities across Pennsylvania, New York, and New Jersey. Provided technical assistance and training to more than 200 field personnel and supervisors along with providing technical expertise that spearheaded the tracking and reconciliation of more than \$120,000,000 in debris removal contracts.

## **OTHER RELATED EXPERIENCE**

- 2011 USACE KANSAS CITY DISTRICT | JOPLIN, MO | TORNADO | FEMA DR-1980
- 2011 DISASTER DEBRIS MANAGEMENT | HURRICANE IRENE | JAMES CITY COUNTY, VA FEMA DR-4024
- 2011 DISASTER DEBRIS MANAGEMENT | HURRICANE IRENE | CITY OF WILLIAMSBURG, VA | FEMA DR-4024
- 2010 HAITI RECOVERY GROUP | PORT-AU-PRINCE, HAITI | EARTHQUAKE
- 2008 USACE FORT WORTH DISTRICT | HURRICANE IKE | GALVESTON AND CHAMBERS COUNTIES, TX | FEMA DR-1791
- 2008 USACE FORT WORTH DISTRICT | HURRICANE IKE | VERMILLION AND CAMERON PARISHES, LA | FEMA DR-1792

# MICHAEL WIENCEK

FIELD SUPERVISOR



## YEARS OF EXPERIENCE

12

## CERTIFICATIONS AND TRAINING

- IS-632.a: Intro to Debris Operations

## RECOVERY EVENTS

- 2017 Hurricane Irma
- 2016 Hurricane Matthew
- 2015 Avian Flu Response, IA
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2008 Hurricane Ike
- 2006 Ice Storm, NY

Mr. Wiencek has 12 years of experience related to disaster debris management. He is a highly experienced Operations Manager for Rostan Solutions, the provider of the industry leading HaulPass® Automated Debris Management System (ADMS), and has been involved in disaster debris management since 2006. He is an expert in disaster recovery and is a key member of the HaulPass® team. Mr. Wiencek has managed numerous disaster recovery projects, both with and without utilizing an ADMS.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES NORTH PORT, FLORIDA | FEMA DR-4337 | 2017-2018

As Project Manager, Mr. Wiencek was responsible for overseeing Rostan's services for the City of North Port, FL. This included deploying a team of more than 20 debris and DMS monitors, providing daily client updates, serving as a primary interface with the contractor's management team, certification of hauler equipment, and deployment of the HaulPass® Automated Debris Management System. Over the course of 77 days, more than 47,000 cubic yards of disaster-generated debris was collected and taken to final disposal. More than 700 damaged or uprooted trees were also removed.

### PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT CHARLESTON COUNTY, SOUTH CAROLINA | FEMA DR-4241 | 2015-ONGOING

Consultant. Serving as a member of Rostan's field assessment team tasked with assessing and quantifying flood related damages to 222 unpaved roads and 33 drainage canals associated with the severe storms and flooding. Assist in development of scope of services and cost estimates for PA categories C and D PWs, as well as developing long-term projects and strategies for Mitigation improvements.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES MARTIN COUNTY, FLORIDA | FEMA DR-4283 | 2016-2017

Operations Manager. Served in Martin County, FL following Hurricane Matthew in October of 2016. Responsible client and contractor coordination, debris removal monitoring and DMS monitoring. Additionally responsible for assisting with the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 70 days, 155,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES THE CITY OF PORT ST. LUCIE, FLORIDA | FEMA DR-4283 | 2016-2017

Operations Manager. Oversaw all aspects of Port St. Lucie's Hurricane Matthew debris removal project, including the collection of more than 100,000 cubic yards of debris and removal of more than 5,500 hazardous trees and tree limbs. Responsible for interfacing and fostering successful relationships with both contractors and local government, as well as personnel administration and quality assurance of the data produced.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CHARLESTON COUNTY, SOUTH CAROLINA | FEMA DR-4286 | 2016-2017

Field Supervisor. Served in Charleston County, SC as lead field supervisor during Hurricane Matthew

# MICHAEL WIENCEK

FIELD SUPERVISOR



debris removal operations. Hurricane Matthew. Responsible for debris removal monitoring, DMS monitoring, and field data oversight. Over the course of 114 days, 18,434 hangers, 410 leaners and 415,000 cubic yards of vegetative debris was removed, processed, and taken to final disposal.

## **AVIAN FLU RESPONSE | IOWA | USDA 2124 DISASTER | 2015**

Served as an administrator and data analyst responsible for processing and sorting incoming data from the field and entering it into the online server. Used the processed data to predict staffing and equipment needs and deployed them accordingly. Served in the operational headquarters along with project managers and office support staff.

## **VIRGINIA PENINSULA | DISASTER DEBRIS MANAGEMENT | FEMA DR-4024 | 2011**

HaulPass® Operations Manager responsible for deployment and management of disaster response and recovery teams utilizing HaulPass® for debris management services for James City County, York County and Williamsburg, VA following Hurricane Irene. The teams provided oversight of right-of-way debris collection, removal of hazardous leaning tress and hanging limbs, and stumps utilizing the HaulPass® ADMS. Tasks also included contractor management, debris monitoring, data management using the HaulPass® ADMS, and FEMA reimbursement including development of project worksheets.

## **USACE KANSAS CITY DISTRICT | HAULPASS® ADMS | FEMA DR-1980 | 2011**

HaulPass® Operations Manager responsible for deployment of the HaulPass® ADMS. The USACE was assigned a mission to manage debris recovery operations following the devastating tornado that impacted the Joplin, MO area in April 2011. The USACE selected the HaulPass® ADMS for tracking debris removal to streamline its recovery efforts. The HaulPass® ADMS was successfully utilized to track the removal of debris from public rights-of-way and private property throughout the area.

## **DISASTER DEBRIS MANAGEMENT | CITY OF BIRMINGHAM, ALABAMA | FEMA DR-1971 | 2011**

HaulPass® Operations Manager responsible for deployment and management of disaster response and recovery teams utilizing HaulPass® in support of debris management services for the City of Birmingham, Alabama following the April 2011 tornadoes and straight-line winds storm. Provided oversight of right-of-way debris collection, removal of hazardous leaning tress and hanging limbs, stumps, white goods, demolitions and private property debris removal utilizing the HaulPass® ADMS.

## **HUMBLE, PINEY POINTE VILLAGE, NASSAU BAY, TX | DISASTER DEBRIS MANAGEMENT | FEMA DR-1791 | 2008**

HaulPass® Operations Manager responsible for deployment and management of disaster response and recovery teams utilizing HaulPass® for debris management services. Provided oversight of right-of-way debris collection, removal of hazardous leaning tress and hanging limbs, stumps, and white goods utilizing the HaulPass® ADMS. Tasks also included contractor management, debris monitoring, data management using the HaulPass® ADMS, and FEMA reimbursement including development of project worksheets.

## **USACE/TEXAS DOT/GALVESTON, TX | HAULPASS® ADMS | FEMA DR-1791 | 2008**

HaulPass® Operations Manager responsible for deployment of the HaulPass® System. The USACE was assigned a mission to oversee debris recovery operations following Hurricane Ike that impacted the Galveston, TX area. The USACE utilized the HaulPass® ADMS for tracking debris removal field data to streamline its recovery efforts for TXDOT.

## **ERIE COUNTY, NY | DISASTER DEBRIS MANAGEMENT | FEMA EM-3268 | 2006**

HaulPass® Operations Manager responsible for comprehensive debris management services including debris contractor management, temporary debris storage and reduction site (TDSRS) oversight, quality assurance monitoring of right-of-way debris collection, leaning tree and hanging limb removals following the 2006 snowstorm. Assisted with invoice reconciliation services to support reimbursement from FEMA and Federal Highway Administration (FHWA). Provided oversight of right-of-way stump removal and grinding utilizing the HaulPass® ADMS.

# TOMMY BRINSON HORTON II

SENIOR CONSULTANT

## EDUCATION

B.S., Business Administration  
Florida State University  
1994

## YEARS OF EXPERIENCE

27

## CERTIFICATIONS & TRAINING

FEMA Emergency Management  
Institute  
Advanced Professional Series

## SKILLS

Emergency Management  
Homeland Security  
Hazard Mitigation  
Public Infrastructure  
Critical Infrastructure  
Program Management  
Project Planning  
Water / Waste-water  
Infrastructure  
Management Consulting  
Disaster Response  
Risk Assessment  
Government Training

Mr. Horton specializes in incident management. As an executive consultant, he works with critical infrastructure, state agencies, local communities, and industry. He provides solutions to identify all-hazards vulnerabilities, risks, consequences, and capacity to respond to and recover from natural and man-made incidents. Mr. Horton supports clients in ensuring efficient use of resources, incident management, operational resiliency and business /operational continuity. He is an expert in FEMA, HUD, FHWA, and DHS programs.

Mr. Horton has been working on Federal Assistance Programs for long term recovery and mitigation since 1991. He was a member of the Florida SERT and engaged in the administration of the FEMA, Mitigation and Disaster Recovery grants all the way back to Hurricane Andrew. Since leaving the State of FL in 2002, Mr. Horton has built a national practice and team of experts that have been involved in the pursuit, administration and reimbursement of more than \$3 billion of Federal Assistance and Mitigation from FEMA, HUD/CDBG, FHWA, and USDEP. Hiesteam has developed some of the largest and most effective solutions funded by FEMA and HUD. This includes funding obtained through the Alternative Procedures initiated by the Hurricane Sandy Improvement Act.

## PROFESSIONAL EXPERIENCE

### ROSTAN SOLUTIONS | EXECUTIVE DIRECTOR, DISASTER RECOVERY & MITIGATION | 2006–PRESENT | NATIONAL PRACTICE

Leading a team of incident management experts to provide consulting services for clients following disasters. Developing recovery and mitigation strategies, during every phase of response and recovery; stabilization, construction management, restoration, mitigation, and preparedness. Specialist in critical infrastructure. Represents both private and public clients and experienced with complicated claims associated with property insurance, business interruption, risk management, FEMA Public Assistance, FHWA-ER, CDBG-DR, and long-term mitigation implementation. Expert in FEMA Debris Operations, Public Infrastructure, and Mitigation Programs.

Rostan Solutions has been assisting clients in recovering from major disasters for more than 10 years, offering the most effective and comprehensive services for Federal Aid pursuits and full recovery.

### ARCADIS, INC./MALCOLM PIRNIE, INC. | MARKET SECTOR LEADER, EMERGENCY MANAGEMENT | 2007–2016 | NATIONAL PRACTICE, TALLAHASSEE, FLORIDA

Emergency Management and Homeland Security practice working for private sector and government agencies at the federal, state and local levels. Infrastructure security; implementation of preventative measures; comprehensive pre-disaster planning and training, and post-event response and recovery. Malcolm Pirnie is the Water Division of Arcadis, Inc. Rostan Solutions LLC–Post Incident consequence management for local and state jurisdictions. Post Incident debris management for local jurisdictions.

### IINGENUITY LLC | OWNER/CONSULTANT, EMERGENCY MANAGEMENT | 2002–2007 | FLORIDA STATE-WIDE PRACTICE, TALLAHASSEE, FL

Emergency Management and Homeland Security Services for local and state government agencies. Provided technological and physical security consulting services. Company sold to Malcolm Pirnie, Inc. in 2007.



**TOMMY BRINSON HORTON II**

SENIOR CONSULTANT

**FLORIDA ARMY NATIONAL GUARD | INFANTRY/COMMUNICATIONS NCO | 1991 – 2004**

Emergency Management Specialist for FL TAG EOC and State EOC

August 1992 to February 1995

Communications NCO for A CO 3/124 INF 11B MOS

Operation Enduring Freedom 2001 – 2002

Operation Iraqi Freedom 2002 – 2003

**FLORIDA DIVISION OF EMERGENCY MANAGEMENT | SENIOR MANAGEMENT CONSULTANT | 1995–2002–TALLAHASSEE, FLORIDA AREA**

Special Assistant to the Director of EM. Management Consulting for Recovery and Mitigation Programs.

**CAREER HIGHLIGHTS****RECOVERY & MITIGATION PROGRAM MANAGER | TEXAS HURRICANE HARVEY | FEMA-4332-DR-TX**

Oversight and management of clients impacted by Hurricane Harvey in Aug/Sep 2017. Providing consultation and management of the FEMA process. Coordination with public adjusters and contractors conducting remediation to the school facilities. Pursuit of federal funding for recovery and mitigation. Clients: Texas City Independent School District, Huffman Independent School District, Little Cypress-Mauriceville Consolidated Independent School District, Corpus Christi Independent School District, Community Christian School, & United Christian Academy.

**CITY OF BAKER SCHOOL SYSTEM | BAKER, LA | RECOVERY PROGRAM MANAGER LOUISIANA SEVERE STORMS AND FLOODING | FEMA-4277-DR-LA**

In August 2016, the City of Baker was severely impacted by flood which inundated the Baker High School. Providing consultation and management of contractors and school district staff to remediate the school facilities and rebuild the school. Pursuit of FEMA funding for recovery and mitigation.

**CHARLESTON COUNTY, SC | FEMA PROGRAMS EXECUTIVE CONSULTANT | RECOVERY AND MITIGATION SERVICES FEMA-4241-DR-SC**

Following the historic flooding event during October 2015 throughout South Carolina, Charleston County was faced with the daunting task of restoring and repairing an extensive network of roads and drainage channels. Provided consultation on the pursuit of FEMA disaster recovery assistance for restoration and mitigation.

**KANAWHA COUNTY SCHOOLS | CHARLESTON, WV | PROJECT MANAGER FOR RESPONSE & RECOVERY WEST VIRGINIA SEVERE STORMS, FLOODING, LANDSLIDES, AND MUDSLIDES | FEMA-4273-DR-WV**

In June 2016, severe storms and flooding impacted Kanawha County School District causing damage to four schools and destroying two. Provided executive consultation, and strategy for the Superintendent and staff leadership. Worked with Kanawha Schools to pursue recovery and mitigation funding from FEMA and manage the cleanup and remediation of the flooded schools.

**SAINT JOSEPH ABBEY AND SEMINARY COLLEGE | SAINT BENEDICT, LA | (\$30M) | PROJECT MANAGER FOR RESPONSE & RECOVERY | LOUISIANA SEVERE STORMS AND FLOODING | FEMA-4263-DR-LA**

On Friday, March 11, 2016, floodwaters from the Bogue Falaya River inundated Saint Joseph Abbey and Seminary College with nearly two feet of water. 31 buildings were damaged, and total losses exceeded \$30 million. Services including management of flood/mold remediation for campus and recovery strategies.

**STATE OF FLORIDA | PROJECT MANAGER/PRINCIPAL-IN-CHARGE SUPPORT SERVICES TO THE FLORIDA MITIGATION PROGRAMS**

Services included business transformation, technical field inspections, mitigation and long term recovery planning, FEMA, HUD, and NRCS grants administration, Disaster grants finance, post disaster coordination, post disaster loss avoidance and assessments. Aided the State of Florida in obtaining the FEMA “Enhanced Mitigation” status in 2008 and renewal in 2010.

## **TOMMY BRINSON HORTON II**

SENIOR CONSULTANT

### **NEW YORK CITY HEALTH AND HOSPITALS CORPORATION (\$1.7B), NEW YORK, NY**

#### **PRINCIPAL FEMA RECOVERY & MITIGATION CONSULTANT**

Principal Mitigation Consultant to NYCHHC for development of 406 Mitigation Proposals, HMA Grants, and Long-term Mitigation Plan for the impacted facilities in NYC. This includes more than \$1.7B in FEMA Public Assistance for 5 medical facilities. The process included the implementation of the Alternative Procedures Pilot Program from the Hurricane Sandy Improvement Act.

### **HURRICANE SANDY | STATEWIDE IN NEW JERSEY AND NEW YORK (\$300M) | SENIOR FEMA CONSULTANT**

Providing technical assistance to infrastructure and local community clients in New York in New Jersey during the Recovery and Mitigation process; Services include post incident damage assessments; Long-term recovery and mitigation strategy planning; CDBG, FHWA, and FEMA funding assistance; Community Relations, and Disaster Recovery Centers operations.

### **COLORADO FLOOD RECOVERY FOR WELD COUNTY (\$30M) | WELD COUNTY, CO | PROJECT MANAGER**

Provided executive consultation, and strategy for Weld County leadership. Worked with Weld County in the pursuit of more than \$30M in road and bridge recovery and mitigation funding from CDBG-DR, FEMA and FHWA. Providing assistance for long-term mitigation planning and funding pursuits with FEMA and CDBG.

### **NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS (\$180M) | NASSAU COUNTY, NY**

#### **PRINCIPAL FEMA MITIGATION CONSULTANT**

Principal Mitigation Consultant responsible for leading the Mitigation technical and programmatic team. The process included the implementation of the Alternative Procedures Pilot Program from the Hurricane Sandy Improvement Act. The ARCADIS Team worked with FEMA and CDBG to implement a long-term recovery and mitigation plan that includes \$810M in Public Assistance funding obtained through the Alternative Procedures.

### **NASHVILLE, TN, METRO WATER SERVICES. (\$25M) | PROJECT MANAGER**

Developed FEMA funded post-disaster mitigation projects for Water Treatment Facilities. (FEMA-1909-DR 2010 Flooding)

### **CITY OF BIRMINGHAM, AL (\$24M) | PROJECT MANAGER**

Debris Management Operations and Community Outreach to residential/individual impacts, for post incident, FEMA PA and IA; April 2011 tornadoes. (FEMA-1971-DR)

### **ARCADIS/MALCOLM PIRNIE: | FLORIDA LOCAL COUNTIES (\$30M) | PROJECT MANAGER**

Support services to Liberty, Calhoun, and Columbia Counties. Services included in post impact activities during four presidentially declared incidents; FEMA Program Management; Public and Individual Assistance.

### **FLORIDA ARMY NATIONAL GUARD | TALLAHASSEE AND ST. AUGUSTINE, FL**

Adjutant General Emergency Operations Staff & State EOC ESF 13

Worked in TAG EOC and State EOC for Emergency Support Function 13. 1990 – 1997

Deployed to Iraq for Operation Iraqi Freedom in 2002 – 2003.

#### **PUBLICATIONS**

Horton, Tommy B., “Resiliency, Mitigation, Sustainability... What’s the difference?”, presented at the International Disaster Conference & Expo (IDCE) held at the New Orleans Ernest N. Morial Convention Center, New Orleans, LA, February 2015

Horton, T.B., “Hazard Mitigation Planning For Utilities: Forming Partnerships for Leveraging Resources and Funding Opportunities”, presented at the Water Environment Federation’s Annual Technical Exhibition and Conference held at the New Orleans Morial Convention Center, New Orleans, LA, October 2012

Horton, T.B., “Effective Strategies for Disaster Preparedness, Response and Recovery: Coordinating Debris Management and Removal,” presented at the Texas Hurricane Conference on Preparedness, Loss Mitigation, Rapid Recovery and Lessons Learned, sponsored by the Texas Hurricane Center for Innovative Technology and the Department of Civil and Environmental Engineering, University of Houston, Houston TX, August 7, 2009.

# LEEMING WORDSMAN

CONSULTANT



## EDUCATION

BS Environmental Science  
California State University at  
Hayward, 1986

## YEARS OF EXPERIENCE

30

## CERTIFICATIONS AND TRAINING

- IS-632.a: Intro to Debris Operations
- IS-634: Intro to FEMA Public Assistance Program
- IS-700: National Incident Management System (NIMS), an Introduction
- IS-230: Principals of Emergency Management
- IS-631: Public Assistance Operations

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2015 Flooding, SC
- 2015 Avian Flu Response, IA
- 2012 Hurricane Sandy

Mr. Wordsman is a key member of our disaster response team and is currently providing disaster recovery services to Charleston County, SC following the severe storms and flooding that occurred in 2015 (FEMA DR 4241) and Hurricane Matthew in 2016 (FEMA DR 4286). Mr. Wordsman is working closely with FEMA and with Charleston County to process project worksheets for over \$30 million dollars in permanent repair work for unpaved roads and drainage canals damaged during the two recent disaster events. As assistant project manager, Mr. Wordsman was responsible for hiring, training, and deployment of more than 90 local staff that made up our debris management team for Charleston County, S.C. He also worked closely with Rostan's project manager to successfully deploy the HaulPass® Automated Debris Management System. For our deployment during Hurricane Sandy, Mr. Wordsman coordinated the recruiting, hiring and training of over 125 temporary staff all hired locally. He managed staff supporting Brick Township, New Jersey in applying for over \$17 million in public assistance. In addition to his disaster experience, Mr. Wordsman is also a regulatory compliance specialist that has provided regulatory guidance, program management, and impact assessment services for permitting projects throughout the Northeast. Mr. Wordsman managed the preparation of over 50 environmental assessments and impact statements. These assessments included detailed characterization of natural and historic resources; air, noise, and traffic impacts; as well as temporary construction effects.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | MULTIPLE MUNICIPALITIES, FLORIDA | FEMA DR-4337 | 2017-2018

As Resource / Reimbursement Manager, Mr. Wordsman was responsible for the hiring, training, and deployment of over 200 local staff for 21 municipalities throughout the State of Florida. He was directly responsible for ensuring that our debris removal monitoring teams fully understood FEMA's rules and regulations regarding debris collection and eligibility, and were able to use HaulPass®, Rostan's Automated Debris Management system to document every load of debris collected. Our debris monitoring clients included:

Coral Springs Improvement District	Martin County
City of North Port	Sunshine Water Control District
City of Belleair Beach	City of Belleair Bluffs
Broward County School District	City of Coconut Creek
City of Coral Springs	City of Dania Beach
City of Indian Shores	City of Madeira Beach
New College Of Florida	City of Port St. Lucie
City of Redington Shores	City of St. Pete Beach
Village Of Estero	Town of Windermere
City of Winter Springs	City of Sewalls Point
City of Palm Beach	

Mr. Wordsman is also managing our work guiding our clients through the FEMA reimbursement process. This effort is particularly important following Hurricane Irma as FEMA has rolled out their new Public Assistance process using the FEMA Grants Portal. As a result of Hurricane Irma, most of clients are pursuing FEMA reimbursement under Category A—Debris Management,

and Category B—Emergency Protective Measures. Sunshine Water Control District and Coral Springs Improvement District are also pursuing Category D—Water Control Facilities, and Category E—Buildings reimbursement.

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CORAL SPRINGS, FL  
FEMA DR-4337 | 2017-2018**

Mr. Wordsman served as Rostan's resource manager for our work with the City of Coral Springs, FL following Hurricane Irma in September 2017. Mr. Wordsman was directly responsible for the hiring, training, and deployment of more than 75 local staff to serve as debris and DMS monitors. Mr. Wordsman also managed the Coral Springs Debris Call Center. The information gathered by the Call Center was used to create a daily hotspot checklist that was given to the Contractor at the start of each work day. The Call Center removed a significant burden from the DPW staff that were inundated by calls immediately after the storm. Over the course of a three-week period, Rostan fielded more than 1,000 calls.

**PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | CHARLESTON COUNTY, SC  
FEMA DR-4241 | 2015-ONGOING**

Consultant. As senior member of Rostan's multidisciplinary team of personnel providing disaster recovery services to Charleston County, SC as a result of severe storms and flooding from October 1-23, 2015, Mr. Wordsman developed and oversaw the application of detailed assessment methodologies for establishing pre-storm conditions, capturing flood related damages to unpaved roadways and drainage canals, and developing cost estimates to return facilities to pre-storm conditions (including application of codes and standards) and mitigation costs.

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CHARLESTON COUNTY, SC  
FEMA DR-4286 | 2016-2017**

Assistant Project Manager. Served in Charleston County, SC following Hurricane Matthew in October 2016. Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring, invoicing, and the hiring, training, and deployment of more than 90 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 114 days, 18,434 hangers, 410 leaners and 415,000 cubic yards of vegetative debris was removed, processed, and taken to final disposal.

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | BERKELEY COUNTY, SC  
FEMA DR-4286 | 2016**

Project Manager. Served in Berkeley County, SC following Hurricane Matthew in October 2016. Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring, invoicing, and the hiring, training, and deployment of more than 30 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 61 days, 1,800 hangers, 90 leaners and 60,000 cubic yards of vegetative debris was removed, processed, and taken to final disposal.

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF GARDEN CITY, GA  
FEMA DR-4284 | 2016**

Project Manager. Responsible for oversight of daily field monitoring operations following Hurricane Matthew in October 2016. Duties included editing daily reports, reconciling contractor invoices, and providing guidance to field staff.

**AVIAN FLU RESPONSE | IOWA | USDA 2124 DISASTER | 2015**

Served as an area supervisor responsible for the collection and tracking of project related costs associated with labor hours, equipment usage, and material consumption. Data was collected in the field through manual verification and entered into a custom web interface. Served at various facilities throughout the project including two of the largest facilities employing over 400 temporary personnel each. Responsible for the deployment and management of Rostan staff to remote geographic locations in the Midwest.



**PUBLIC ASSISTANCE MANAGEMENT • PPDR AND DEMO • HOUSE RAISING | BOROUGH OF HIGHLANDS, NJ | FEMA DR-4086 | 2013 – 2016**

The Borough of Highlands, NJ was particularly hard hit by Hurricane Sandy. The Borough's Administrative Offices, Police Headquarters, Municipal Courts and Community Center were all destroyed by the storm. Mr. Wordsman assisted the Borough with the development and submission of Project Worksheets and Requests for Reimbursement (RFRs) to recover over \$3 Million in costs expended to maintain Borough operations and protect human health and safety. The Borough of Highlands, NJ was awarded over \$1 million in FEMA HMGP grant monies to elevate homes that were identified as being at risk for future damage as a result of Hurricane Irene. The Borough engaged Rostan to manage the overall grant and associated construction project. Mr. Wordsman is serving as program manager for this project and is working in close coordination with the Borough Administrator and Construction Official.

**PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | TOWNSHIP OF BRICK, NEW JERSEY | FEMA DR-4086 | 2012–2014**

Public Assistance Grants Manager. Responsible for managing Rostan's public assistance team working with Brick Township to recover costs associated with damages from Hurricane Sandy and associated mitigation measures to prevent future damages. Rostan's services included development of Project Worksheets and Requests for Reimbursement for over \$17 million dollars in FEMA reimbursable storm related expenditures.

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012–2014**

Resource Manager. Mr. Wordsman was responsible for recruiting, training and hiring over 125 local employees to participate in Rostan's recovery efforts in 20 different New Jersey municipalities during Hurricane Sandy.

**HURRICANE SANDY | STATEWIDE IN NEW JERSEY AND NEW YORK | BERGEN COUNTY UTILITY AUTHORITY • WESTCHESTER COUNTY, NY • BRICK, NJ • NYCDEP • USACE • NASSAU COUNTY, NY**

Provided technical assistance to infrastructure and local community clients in New York in New Jersey during the Recovery and Mitigation process; Services include post incident damage assessments; Long-term recovery and mitigation strategy planning; CDBG, FHWA, and FEMA funding assistance; Community Relations, and Disaster Recovery Centers operations.

**VARIOUS ENVIRONMENTAL COMPLIANCE PROJECTS**

Mr. Wordsman has managed and supported a wide variety of environmental compliance and permitting projects throughout the United States. These projects include preparation of all permits and an environmental impact statement for a 2M ton per year cement manufacturing plant, a NEPA EIS for the Oneida Indians Lands Into Trust Application, numerous EAS/EISs/Permit applications for wastewater treatment plants and resource recovery facilities in New York, New Jersey, and Puerto Rico.

# DARIUS STANKUNAS

PRINCIPAL | PRESIDENT



## YEARS OF EXPERIENCE

25

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2016 Flooding, LA
- 2016 Tornado, VA
- 2015 Flooding, SC
- 2015 Avian Flu Response, IA
- 2015 Ice Storm, TN
- 2014 Ice Storm, GA
- 2012 Hurricane Sandy
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2010 Earthquake, Chile
- 2010 Earthquake, Haiti
- 2008 Hurricane Ike
- 2006 Ice Storm, NY
- 2005 Hurricane Rita
- 2005 Hurricane Katrina
- 2005 Hurricane Wilma
- 2004 Hurricane Jeanne
- 2004 Hurricane Ivan
- 2004 Hurricane Frances
- 2001 Tropical Storm Gabrielle

Mr. Stankunas, President of Rostan Solutions, LLC, has more than 25 years of experience in environmental and solid waste management and for the past 17 years has specialized in disaster planning and recovery management activities. He is an expert in pre- and post-event disaster planning and recovery and has managed numerous disaster recovery projects both at the regional and local levels. Mr. Stankunas has served as Program Manager on numerous disaster debris recovery projects in Mississippi, Alabama, Florida, Virginia, New Jersey, Texas, Louisiana, Missouri, South Carolina, Georgia, and New York states.

## RECENT PROFESSIONAL EXPERIENCE

### **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT CHARLESTON COUNTY, SC | FEMA DR-4241 | 2015-ONGOING**

Project Principal responsible for Rostan providing professional disaster recovery services to Charleston County SC as a result of severe storms and flooding from October 1-23, 2015 (FEMA DR-4241). Services include debris monitoring and management, FEMA Public Assistance program and other funding program assistance related to County owned and/or maintained public infrastructure, procurement assistance and construction / post construction support.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CHARLESTON COUNTY, SC | FEMA DR-4286 | 2016-2017**

Program Manager providing stand-by debris operations management support to Charleston County, SC for more than 11 years. In October 2016 following Hurricane Matthew, he was responsible for providing overall project quality assurance, FEMA reimbursement support, and serving as client liaison with the County and SCEMD. He oversaw the successful hiring, training and deployment of nearly 100 local staff.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES MARTIN COUNTY, FL | FEMA DR-4283 | 2016-2017**

Project Principal for debris recovery effort in Martin County, FL following Hurricane Matthew in October 2016. Responsible for overall project coordination and quality assurance. Rostan provided FEMA reimbursement assistance, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 40 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 70 days, 155,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES THE CITY OF PORT ST. LUCIE, FL | FEMA DR-4283 | 2016-2017**

Project Principal for debris recovery effort following hurricane Matthew in October 2016. Responsible for overall project coordination and quality assurance. Rostan provided debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 50 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 120 days, 110,000 cubic yards of vegetative debris, over 5,000 hazardous hanging limbs and 475 hazardous leaning trees were documented, removed, processed and taken to final disposal.

# DARIUS STANKUNAS

PRINCIPAL | PRESIDENT



## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF GARDEN CITY, GA**

**FEMA DR-4284 | 2016**

Program Manager for the Garden City, GA project following Hurricane Matthew in October 2016. He was responsible for providing overall project quality assurance and FEMA reimbursement support. He also provided recommendations and guidance regarding all Public Assistance categories (A-G), as well as, 406 and 404 Mitigation opportunities associated with the City's damaged infrastructure.

## **HAZARD MITIGATION GRANT PROGRAM PROJECT APPLICATION | IOPWSC WILD DUNES WWTP RELOCATION, FLOODPROOFING AND CONSOLIDATION OF SERVICES PROJECT | ISLE OF PALMS, SC | FEMA DR-4241**

**2016–PRESENT**

Project Principal responsible for Rostan preparing the Hazard Mitigation Grant Program (HMGP) Project Application (the "Application") for the Isle of Palms Water and Sewer Commission Project. Rostan provided services to complete the HMGP application and develop a technically feasible and eligible project submission, as well as, assist with correspondence with South Carolina Emergency Management Division (SCEMD) and FEMA.

## **HAZARD MITIGATION GRANT PROGRAM PROJECT APPLICATION | DRAINAGE IMPROVEMENT PROJECT TOWN OF SULLIVAN'S ISLAND, SC | FEMA DR-4241 | 2016–PRESENT**

Project Principal responsible for Rostan preparing the Hazard Mitigation Grant Program (HMGP) Project Application (the "Application") for the Sullivan's Island Drainage Improvement Project. Rostan provided services to complete the HMGP application and develop a technically feasible and eligible project submission, as well as, assist with correspondence with South Carolina Emergency Management Division (SCEMD) and FEMA. Rostan provided subject matter experts with the expertise and qualifications needed to provide hazard mitigation program management and administration services. Our established team of experts developed tools to assist with property owner outreach and engagement, project scoping and cost estimating, benefit-cost analysis (BCA), post-disaster loss avoidance reporting, economic impact analysis, standard operating procedures, and quality assurance and control measures.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CUMBERLAND COUNTY, TN**

**FEMA DR-4210 | 2015–2016**

Program Manager responsible for debris management and monitoring services in Cumberland County, TN following ice storms of February 2015. Responsible for FEMA reimbursement assistance, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 75 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. 700,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | WHITE COUNTY, TN | FEMA DR-42810 | 2015**

Program Manager responsible for debris management and monitoring services in White County, TN following ice storms of February 2015. Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 25 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 75 days, 135,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

## **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | TOWNSHIP OF BRICK, NJ**

**FEMA DR-4086 | 2012–2014**

Project Principal responsible for all aspects of the Township's post-Hurricane Sandy disaster recovery program including disaster debris management, private property debris removal/demolition program, public assistance funding, and hazard mitigation planning.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES**

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012–2014**

Project Principal responsible for deployment and management of disaster response and recovery team in support of debris management services for 20 municipalities in the State of New Jersey. Responsible for overseeing the monitoring and tracking of over 33 thousand truckloads of debris totaling 1.3 million cubic yards, and more than 2,400 truckloads totaling over 55 thousand

# TRAVIS MAYS

PROGRAM MANAGER

## EDUCATION

BA Marketing,  
University of Houston, 2006

## YEARS OF EXPERIENCE

10

## CERTIFICATIONS AND TRAINING

- IS-100: Introduction to Incident Command Systems

## HEALTH & SAFETY TRAINING

- First Aid/ Cardio Pulmonary Resuscitation (CPR)
- Hazardous Waste Operations and Emergency Response Training (40HR Initial/8 HR Refresher)

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2016 Flooding, LA
- 2015 Flooding, SC
- 2015 Avian Flu Response, IA
- 2015 Ice Storm, TN
- 2014 Ice Storm, GA
- 2012 Hurricane Sandy
- 2011 Hurricane Irene
- 2011 Tornado, MO
- 2011 Tornado, AL
- 2010 Earthquake, Haiti
- 2008 Hurricane Ike

Mr. Mays joined the Rostan team in 2008 and has spent the past 10 years assisting numerous clients with post-disaster recovery efforts. He specializes primarily in long-term recovery/public assistance support and debris removal monitoring operations and management. He has experience in logistics and operations coordination, project planning and formulation, project and quarterly reporting, procurement assistance, debris management plan development, debris monitoring and ADMS system support, and reimbursement support.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE HARVEY | FEMA DR-4332 | 2017-ONGOING

Mr. Mays served as the Program Manager for all debris monitoring projects in the State of Texas following Hurricane Harvey. In total Rostan provided debris removal monitoring services to 7 clients including some of the most hard-hit/heavily flooded areas of east Texas near including the City of Orange and Hardin County, TX.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE IRMA | FEMA DR-4337 | 2017-ONGOING

As a Senior Consultant, Mr. Mays was responsible for providing compliance and technical guidance to many Florida clients including the City of North Port, Town of Windermere, and City of Winter Springs. Rostan provided debris removal monitoring and PA support services to more than 20 clients in Florida following Hurricane Irma.

### USACE JACKSONVILLE DISTRICT - AUTOMATED DEBRIS MANAGEMENT SYSTEM HURRICANE MARIA | FEMA DR-4339 | 2017-ONGOING

Serving as the technical lead for HaulPass® deployment in support of Xpert's Inc. debris removal efforts in Puerto Rico following Hurricane. To date, HaulPass has tracked more than 155,000 loads of debris totalling more than 3.5 million cubic yards on this project. Upon completion it is anticipated that more than 200,000 loads of debris and more than 5 million cubic yards of debris will have been tracked using HaulPass®.

### PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT CHARLESTON COUNTY, SC | FEMA DR-4241 | 2015-ONGOING

Project Manager. Debris operations duties included managing the County's post-event debris removal project, including the utilization of HaulPass® to track the removal of more than 30,000 cubic yards of C&D, vegetative, and white goods debris. Additional responsibilities include reconciliation of multiple County departments' force account expenditures for Public Assistance (PA) emergency work categories A and B. Additionally responsible for managing a multidisciplinary team of personnel responsible for providing disaster recovery services.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CHARLESTON COUNTY, SC | FEMA DR-4286 | 2016-2017

Program Manager. Served following Hurricane Matthew in October 2016. Field operations were conducted over a period of 112 days and included the collection of more than 400,000 CY of debris and the removal of more than 18,000 hazardous limbs and trees. Responsible for daily,



## **TRAVIS MAYS**

PROGRAM MANAGER



site, and project closeout reports, client operations meetings, invoice reconciliation and contractor compliance, staff and contractor scheduling, quality control of all data, personnel management and assignments, project cost allocations, and reimbursement requests.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF GARDEN CITY, GA FEMA DR-4284 | 2016**

Program Manager. Responsible for oversight of daily field monitoring operations following Hurricane Matthew in October 2016. Duties included editing daily reports, reconciling contractor invoices, and providing guidance to field staff. Assisted field personnel with technical guidance and recommendations.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CUMBERLAND COUNTY, TN | FEMA DR-4210 | 2015–2016**

Project Manager. Served as part of the project management team in Cumberland County, TN following ice storms of February 2015. Responsible for proposal development, invoicing, FEMA reimbursement assistance, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 75 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. 700,000 cubic yards of vegetative debris was, processed and taken to final disposal.

### **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES WHITE COUNTY, TN | FEMA DR-4210 | 2015**

Project Manager. Served in White County, TN following ice storms of February 2015. Responsible for proposal development, invoicing, FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring and the hiring, training, and deployment of more than 25 local staff. In addition, responsible for the successful deployment of the HaulPass® Automated Debris Management system. Over the course of 75 days, 135,000 cubic yards of vegetative debris was removed, processed and taken to final disposal.

### **AVIAN FLU RESPONSE | IOWA | USDA 2124 DISASTER | 2015**

Served as a site administrator and Rostan Project Manager responsible for the collection and tracking of project related costs associated with labor hours, equipment usage, and material consumption. Data was collected in the field through manual verification and entered into a custom web interface. Served at various facilities throughout the project including two of the largest facilities employing over 400 temporary personnel each. Responsible for the deployment and management of Rostan staff to remote geographic locations in the Midwest.

### **DISASTER DEBRIS MANAGEMENT SERVICES | HILLSBOROUGH COUNTY, FL | 2015**

Project Manager responsible for ensuring the County's Disaster Debris Management Plan (DDMP) was compliant with stipulations set forth in the Sandy Recovery Improvement Act (SRIA). This included establishing a review process, cross-department coordination, planning meetings, and serving as the document's primary editor.

### **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT ENKINS COUNTY, GEORGIA | FEMA DR-4165 | 2014**

Served as Project Manager following the ice storms that struck the Southeastern US in late winter/early spring 2014. Responsible for overall project management including proposal development, staffing, invoicing, client coordination, debris removal monitoring, DMS site monitoring and the deployment of up to 12 locally hired staff. To date, the HaulPass® Automated Debris Management System has been utilized to track the removal of more than 45,000 cubic yards of debris from the Right-of-Way (ROW) to its final disposal.

**TRAVIS MAYS**

PROGRAM MANAGER

**PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT****TOWNSHIP OF BRICK, NJ | FEMA DR-4086 | 2012–2014**

Project Manager. Responsible for final pass of ROW debris removal and the implementation of private property debris removal and demolition efforts. Responsibilities included managing all field personnel, scheduling, permit approval and verification, Right-of-Entry (ROE) development, compliance with public and federal notification procedures, insurance recovery and fund collection, contractor invoice reconciliation, and Project Worksheet (PW) development and revisions. Mr. Mays was the primary contact in Brick for multiple local, state and federal officials, including FEMA, NJDOL, NJDEP, and USEPA.

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES****NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012–2014**

Project Manager. Responsible for all reporting and data collection efforts during Phase II of the Waterway debris removal efforts including data collection and management and documenting debris field conditions pre and post removal, debris collection efforts, and final site conditions. Documentation procedures included the use of GPS enabled cameras to locate and map debris locations and HaulPass® to track the recovery and ultimate disposal of removed material.

**US ARMY CORPS OF ENGINEERS (USACE) NEW YORK DISTRICT****AUTOMATED DEBRIS MANAGEMENT SYSTEM | FEMA DR-4085 | 2012 – 2013**

Responsible for the management and coordination of all field operations and the deployment of HaulPass® in New York City. Managed more than 20 locally hired staff in a coordinated effort to provide 24-hour certification services to the client for 63 consecutive days during the project term. Responsible for managing and coordinating personnel scheduling at more than 13 locations during the project. The HaulPass® system captured more than 32,000 loads of debris disposed of at more than 22 facilities across Pennsylvania, New York, and New Jersey. Provided technical assistance and training to more than 200 field personnel and supervisors along with providing technical expertise that spearheaded the tracking and reconciliation of more than \$120,000,000 in debris removal contracts.

# CHRISTOPHER BELLAVIA

OPERATIONS MANAGER



## YEARS OF EXPERIENCE

5

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2016 Hurricane Matthew
- 2016 Flooding, LA
- 2015 Flooding, SC
- 2015 Avian Flu Response, IA
- 2012 Hurricane Sandy

Mr. Bellavia has 5 years of experience specific to public and individual assistance. Mr. Bellavia began in New Jersey following Hurricane Sandy where he served as an operations manager responsible for overseeing all aspects of debris removal and disposal monitoring throughout 12 municipalities. He then served as an area supervisor in Iowa following USDA Disaster 2124 in 2015 where he was responsible for overseeing the collection and tracking of all project-related costs throughout the state. In 2016, Mr. Bellavia served as project coordinator in debris removal monitoring efforts following Hurricane Matthew in Berkeley County, SC. He is assisting Charleston County, SC in pursuing public assistance funding for repairs and mitigation measures associated with damaged earth roads, paved roads and drainage systems. Mr. Bellavia is well-versed in disaster recovery and specializes in logistics, planning and reporting, data collection, and staff training and management. He is currently serving in the Commonwealth of Puerto Rico as part of the HaulPass® project / data management team assisting with recovery efforts throughout the islands in the aftermath of Hurricane Maria.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CITY OF NORTH PORT, FL | FEMA DR-4337 | 2017 - 2018

As Project Manager, Mr. Bellavia was responsible for overseeing all aspects of Rostan's services for the City of North Port. This included hiring, training, and deploying a team of more than 19 debris and DMS monitors, providing daily client updates, serving as a primary interface with the contractor's management team, certification of hauler equipment, and deployment of the HaulPass® Automated Debris Management System. Over the course of 77 days, over 47,000 cubic yards of disaster-generated debris was collected and taken to final disposal. 675 hazardous limbs and 6 damaged or uprooted trees were also removed.

### PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | CHARLESTON COUNTY, SOUTH CAROLINA | FEMA DR-4241 | 2015-ONGOING

Operations Manager. Managed the County's post-event debris removal project, including the utilization of HaulPass® to track debris removal. Responsible for daily operations and coordination efforts to co-develop strategies with the client. Additional responsibilities include reconciliation of multiple departments' force account expenditures for PA emergency work categories A and B, conducting FEMA site visits and development of scope of services and cost estimates for PA categories C and D PWs, as well as developing long-term projects and strategies for Mitigation improvements.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CHARLESTON COUNTY, SC | FEMA DR-4286 | 2016-2017

Operations Manager following Hurricane Matthew in October 2016. Responsible for FEMA reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring, invoicing, and the hiring, training, and deployment of more than 90 local staff. In addition, responsible for the successful deployment of the HaulPass® system. Over the course of 114 days, 18,434 hangers, 410 leaners and 415,000 cubic yards of vegetative debris was removed, processed, and taken to final disposal.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | BERKELEY COUNTY, SC | FEMA DR-4286 | 2016

Project Coordinator following Hurricane Matthew in October 2016. Responsible for FEMA

# CHRISTOPHER BELLAVIA

OPERATIONS MANAGER



reimbursement assistance, client coordination, debris removal monitoring, DMS monitoring, invoicing, and hiring, training, and deployment of more than 30 local staff. Additionally responsible for the successful deployment of the HaulPass® system. Over the course of 61 days, 1,800 hangers, 90 leaners and 60,000 cubic yards of vegetative debris was removed, processed, and taken to final disposal.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF GARDEN CITY, GA | FEMA DR-4284 | 2016**

Project Manager. Responsible for oversight of daily field monitoring operations following Hurricane Matthew in October 2016. Duties included editing daily reports, reconciling contractor invoices, and providing guidance to field staff.

## **AVIAN FLU RESPONSE | IOWA | USDA 2124 DISASTER | 2015**

Served as a site administrator and Area Supervisor responsible for the collection and tracking of project related costs associated with labor hours, equipment usage, and material consumption. Data was collected in the field through manual verification and entered into a custom web interface. Served at various facilities throughout the project including two of the largest facilities employing over 400 temporary personnel each.

## **DISASTER DEBRIS MANAGEMENT | BOROUGH OF KEANSBURG, NJ | FEMA DR-4086 | 2013–2014**

Operations Manager responsible for leading documentation and data collection efforts during Phases I and II of the residential demolition program following Hurricane Sandy. Data collection efforts included the implementation and utilization of HaulPass® ADMS. Responsibilities included scheduling and coordinating field personnel as well as reporting all daily field activities, load categories and quantities to Rostan's Project Manager.

## **PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | TOWNSHIP OF BRICK, NJ FEMA DR-4086 | 2012–2014**

Operations Manager. Responsible for tracking all aspects of debris removal and disposal monitoring following Hurricane Sandy including Right-of-Way (ROW) debris removal, private property debris removal and demolition efforts. Duties included supervision and training of field staff, scheduling, permit approval and verification, Right-of-Entry (ROE) development, compliance with public and federal notification procedures and management of HaulPass® hardware and Tier 1 and Tier 2 technical support.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086 | 2012–2014**

Operations Manager. Responsible for tracking all aspects of debris removal and disposal monitoring across 10 New Jersey municipalities following Hurricane Sandy. Duties included supervision and training of field staff and management of HaulPass® hardware and Tier 1 and Tier 2 technical support.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | POINT PLEASANT BEACH, NJ | FEMA DR-4086 | 2012–2013**

Following Hurricane Sandy, Operations Manager responsible for tracking all aspects of debris removal and disposal monitoring from waterways throughout the central region of coastal New Jersey. Duties included supervision and training of field staff and management of HaulPass® hardware and Tier 1 and Tier 2 technical support.



# DENISE JANKAUSKAS

DATA MANAGER



## EDUCATION

BFA, The Cooper Union for the Advancement of Science & Art, 1995

## YEARS OF EXPERIENCE

5

## CERTIFICATIONS & TRAINING

- IS-0632.a: Introduction to Debris Operations

## RECOVERY EVENTS

- 2017 Hurricane Maria
- 2017 Hurricane Irma
- 2016 Hurricane Matthew
- 2015 Flooding, SC
- 2015 Ice Storm, TN
- 2012 Hurricane Sandy

Ms. Jankauskas has 5 years of post-disaster experience, joining the Rostan team after the devastation sustained by Hurricane Sandy throughout New York and New Jersey. She specializes in multiple aspects of disaster recovery including project data management; vehicle, container and equipment certification, waterborne and land-based Right-of-Way debris removal efforts; private property demolition, and debris removal. Ms. Jankauskas has experience in logistics, planning, reporting, and tracking project and reimbursement efforts.

## RECENT PROFESSIONAL EXPERIENCE

### DEBRIS MANAGEMENT DATA SERVICES | USACE-JACKSONVILLE DISTRICT COMMONWEALTH OF PUERTO RICO | FEMA DR-4339 | 2017 - PRESENT

Data Manager. Serving for the Commonwealth of Puerto Rico debris clean-up following Hurricane Maria. Responsible for dissemination of operational data and visual documentation into cohesive and concise daily and weekly operational reports for the client while maintaining strict data quality control.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | VARIOUS CLIENTS, FL | FEMA DR-4337 | 2017

Data Manager. Served for Florida debris clean-up following Hurricane Irma. In addition to proposal development for standby clients, responsible for gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, data quality control, as well as documentation and preparation of project closeout reports. Clients included: City of Belleair Beach, City of Belleair Bluffs, City of Coconut Creek, City of Coral Springs, Dania Beach, New College of Florida, Town of Indian Shores, City of Madeira Beach, Martin County, City of North Port, Town of Palm Beach, Town of Redington Shores, City of St. Pete Beach, Town of Windermere, and City of Winter Springs.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES CHARLESTON COUNTY, SC | FEMA DR-4286 • FEMA DR-4346 | 2016-2018

Data Manager. Serving the County during post-Hurricane Matthew and post-Hurricane Irma debris-removal efforts. In addition to proposal development, responsible for gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, data quality control, and maintenance and organization of all digital files.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES MARTIN COUNTY, FL | FEMA DR-4283 • FEMA DR-4337 | 2016-2017

Data Manager. Served for Martin County, Florida debris clean-up following Hurricane Matthew and Hurricane Irma. In addition to proposal development, responsible for gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, data quality control, maintenance and organization of all digital files, as well as documentation and preparation of project closeout reports.

### PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | CHARLESTON COUNTY, SC | FEMA DR-4241 | 2015-PRESENT

Data Manager. Responsible for gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, data quality

# DENISE JANKAUSKAS

DATA MANAGER



control, and maintenance and organization of all digital files following the flooding which occurred in October 2015. Additionally, responsible for proposal development, invoicing, organization and implementation of Flood Insurance Rate Maps, photo documentation, drainage mapping, as well as development of client progress reports and presentations.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | BERKELEY COUNTY, SC | FEMA DR-4286 | 2016**

Data Manager. Served for Berkeley County, South Carolina debris clean-up following Hurricane Matthew. Responsible for gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, data quality control, maintenance and organization of all digital files, as well as documentation and preparation of project closeout report.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | THE CITY OF GARDEN CITY, GA | FEMA DR-4284 | 2016**

Data Manager. Served during debris removal operations following Hurricane Matthew. In addition to proposal development, responsible for gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, data quality control, maintenance and organization of all digital files, as well as documentation and preparation of DMS closeout report.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | CUMBERLAND COUNTY, TN | FEMA DR-4210 | 2015–2016**

Data Manager. Following the February 2015 ice storm, responsible for proposal development, gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, weekly contractor cost comparison data compilation and visualization, data quality control, maintenance and organization of all digital files, and documentation and preparation of DMS closeout reports.

## **DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | WHITE COUNTY, TN | FEMA DR-4210 | 2015**

Project Manager following the February 2015 ice storm, responsible for proposal development, invoicing, debris contractor invoice reconciliation, FEMA reimbursement assistance, debris removal monitoring, DMS monitoring, vehicle and equipment certification, and the scheduling of more than 25 local staff. In addition, responsible for the gathering and dissemination of operational data and visual documentation into a cohesive and concise daily operational report for the client, as well as data quality control, maintenance and organization of all digital files, and documentation and preparation of DMS closeout reports.

## **HAULPASS® DATA COLLECTION FOR RESIDENTIAL DEMOLITION PROJECT | BOROUGH OF KEANSBURG, NJ | FEMA DR-4086 | 2013–2014**

Operations Manager responsible for leading documentation and data collection efforts during Phases I and II of the demolition program of 51 homes following Hurricane Sandy. Data collection efforts included the implementation and utilization of HaulPass® automated debris management system. Responsible for scheduling and coordinating Rostan field personnel as well as reporting all daily field activities, load categories, and quantities to Rostan's Project Manager.

## **OTHER RELATED EXPERIENCE**

**2012–2014 PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT TOWNSHIP OF BRICK, NJ | FEMA DR-4086**

**2012–2014 DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | FEMA DR-4086**

**2012–2013 USACE–NEW YORK DISTRICT | FEMA DR-4085**

# JASON MCCRIGHT

FEMA SPECIALIST



## YEARS OF EXPERIENCE

25

## RECOVERY EVENTS

- 2017 Hurricane Irma
- 2017 Hurricane Harvey
- 2016 Hurricane Matthew
- 2016 Flooding, TX
- 2013 Flooding, CO
- 2012 Hurricane Sandy
- 2012 Hurricane Isaac
- 2012 Tropical Storm Debby
- 2009 Flooding, FL
- 2008 Tropical Storm Fay
- 2007 Tornadoes, FL
- 2005 Hurricane Wilma
- 2005 Hurricane Katrina
- 2005 Hurricane Dennis
- 2004 Hurricane Jeanne
- 2004 Hurricane Ivan
- 2004 Hurricane Frances
- 2004 Hurricane Charley

## PROFESSIONAL EXPERIENCE

### DISASTER RECOVERY MANAGEMENT CONSULTANT | 2013–PRESENT

**PA Instructor/Trainer** – served as an instructor and trainer under the PA TAC to FEMA’s PA Instructional Branch at EMI in Emmitsburg, MD; assisted staff instructors in instructing and proctoring L0869 Public Assistance Program Delivery Management course; transitioned to FEMA-4332-DR-TX JFO to provide field support and supplemental training to JFO and Branch office staff

**Mitigation Specialist (406)** – served as contract support under the PA TAC to FEMA’s 406 Mitigation Branch in Texas for DR-4266/4269/4272; assisted Public Assistance Coordinators/Project Specialists with evaluating Project Worksheets for potential mitigation actions; met with applicants to determine scope and cost, then wrote Hazard Mitigation Proposals for inclusion in the Project Worksheet; wrote \$800,000+ in HMPs

**Mitigation Specialist** – served as Deputy Program Manager for New York’s \$1.2 billion Hazard Mitigation Grant Program. Currently providing guidance to the NYS Division of Homeland Security & Emergency Services Chief of Mitigation Programs (State Hazard Mitigation Officer) on the long-term recovery and all aspects of mitigation from Superstorm Sandy (FEMA-4085-DR-NY).

**Disaster Recovery Specialist** – specialized in emergency management and disaster recovery. As an executive consultant, worked with critical infrastructure, state agencies, local communities, and industry. Provided business transformation solutions to identify all-hazards vulnerabilities, risks, consequences, and capacity to respond to, recover from and mitigate against natural and man-made incidents. Supported clients in Florida, New Jersey, Colorado, New York and Louisiana.

**Mitigation Lead** – served as a State Agency Liaison Mitigation Lead for Witt/O’Brien’s group working for the New Jersey Office of Emergency Management on long-term recovery & mitigation from Hurricane Sandy (FEMA-4086-DR-NJ). Served as principal advisor to the New Jersey State Hazard Mitigation Officer on all aspects of Mitigation: planning, implementation of the Hazard Mitigation Grant Program, community & local jurisdiction outreach, non-disaster program management.

### FLORIDA DIVISION OF EMERGENCY MANAGEMENT ORLANDO, FLORIDA | PLANNING MANAGER | 2008–2013

Oversaw \$425 million in hazard mitigation grants for the State of Florida; working with local jurisdictions on a daily basis as advocate and liaison to FEMA. Oversaw HMGP project management staff; served as Deputy Bureau Chief and Deputy State Hazard Mitigation Officer in the State/FEMA JFO during 5 Presidentially-declared disasters; served as state-wide community assistance lead; two-time achiever of the Division’s Employee of the Month award (twice in one year’s time). Served as administrative and HR lead at the FDEM Florida Recovery Office in Lake Mary and Orlando for the Mitigation Bureau. Performed HR functions in personnel, hiring/firing, wage discussions, diversity training, leave administrator, position advertising and candidate review, interview and dismissal panels, workforce increases and reductions, as needed.

# ADAM T. FERGUSON

PUBLIC ASSISTANCE CONSULTANT



## EDUCATION

University of Miami School of Law, Coral Gables, FL - Juris Doctor, magna cum laude, May 2012

University of North Carolina at Wilmington, Wilmington, NC: Master of Public Administration, December 2004

Bachelor of Arts with Honors in Psychology, May 2002

## YEARS OF EXPERIENCE

12

## LICENSES & CERTIFICATIONS

Licensed Attorney – FL Bar No. 0100223

Certified Floodplain Manager

## PROFESSIONAL EXPERIENCE

### ROSTAN SOLUTIONS, LLC | SENIOR CONSULTANT –DISASTER RECOVERY AND MITIGATION | 2017 – PRESENT

Senior Programmatic Specialist and Project Manager for Disaster Recovery Operations supporting states, local governments, and utilities in the identification, pursuit, and securing of state and federal aid. Provides technical guidance and assistance in demonstrating programmatic eligibility. Directs programmatic and administrative appeals processes for clients facing adverse agency determinations.

### MONROE COUNTY (FL) BOARD OF COUNTY COMMISSIONERS | SENIOR ADMINISTRATOR, FLOODPLAIN PROGRAM | 2016 – 2017

Primarily responsible for achieving improvements in Community Rating System [“CRS”] Class and reviewing/updating Local Mitigation Strategy process in preparation to develop active Hazard Mitigation Grants program within the County. Assisted with development and revision of land use code and local regulation.

### DEVI CONSULTING SOLUTIONS LLC/WITTO’BRIENS, LLC | PRINCIPAL & OWNER | DCS 2013 – 2017 / WOB 2014– 2017

Principal for Disaster Recovery-focused consulting firm actively sub-contracting in federally-funded Hazard Mitigation grant programs. Provides programmatic and technical assistance in program delivery, benefit-cost analysis, organizational assessment and restructuring. Provide specialized assistance in supporting functional areas, policy development, and regulatory/statutory compliance.

### HOUCKANDERSON, P.A/THE CHARTWELL LAW OFFICES, LLP | ASSOCIATE ATTORNEY/LAW CLERK | 2011 – 2013

Responsible for case management related activities including pleading and motion preparation and drafting, taking and attending depositions, coordinating with experts and associated third parties. Perform research and legal drafting of memoranda as requested. Provide substantive inputs into development of draft/model insurance policy language, exculpation agreements. Served as Academic Year Law Clerk from August 2011 to April 2012 and August 2012 to November 2012

### FEDERAL EMERGENCY MANAGEMENT AGENCY – REGION IV – ATLANTA, GA | HAZARD MITIGATION PROGRAM SPECIALIST | 2005 –2009

Worked as a program and grant specialist in support of FEMA’s post disaster operations in the Southeastern U.S. assisting state and local governments in developing grant applications/project concepts conforming to federal regulatory standards. Responsible for Group and Branch Management and Programmatic Oversight. Tasked for developing new employee training manuals/programs. Responsible for delivering Benefit-Cost Analysis Training Class across Southeastern U.S.



# DISASTER DEBRIS MONITORING



RFP No. PWWM-180069-DH | May 8, 2018



## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA

### SECTION 2 – EXPERIENCE

- 2.1 Experience Overview
- 2.2 Past Project Experience



#### SUBMITTED BY

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## 2.1 EXPERIENCE OVERVIEW

Rostan has a proven track record of providing disaster debris management services throughout the United States since 2004. The projects depicted below summarize our team's experience performing similar services through the past 60 months, as contemplated by the City's RFP.

<b>2017</b>		<b>SOUTH CAROLINA</b>		<b>FEMA DR-4286</b>
<b>HURRICANE HARVEY</b>		Berkeley County		
<b>TEXAS</b>		Charleston County		
<b>FEMA DR-4332</b>		<b>FLOODING</b>		
City of Kountze	Hardin County	<b>LOUISIANA</b>		<b>FEMA DR-4277</b>
City of Lumberton	Huffman ISD	Iberia Parish		
City of Orange	Little Cypress Mauriceville ISD	<b>TORNADO</b>		
City of Rose Hill Acres	Texas City ISD	<b>VIRGINIA</b>		
City of Sour Lake	United Christian Academy	Essex County		
Community Christian School	Village of Piney Point	<b>2015</b>		
Corpus Christi ISD		<b>FLOODING</b>		
<b>HURRICANE IRMA</b>		<b>SOUTH CAROLINA</b>		<b>FEMA DR-4241</b>
<b>FLORIDA</b>		Charleston County		
<b>FEMA DR-4337</b>		<b>ICE STORM</b>		
Broward County Public Schools	Coral Springs Improvement District	<b>TENNESSEE</b>		<b>FEMA DR-4211</b>
City of Belleair Beach	Martin County	Cumberland County		
City of Belleair Bluffs	New College of Florida	White County		
City of Coconut Creek	Sunshine Water Control District	<b>2014</b>		
City of Coral Springs	Town of Indian Shores	<b>ICE STORM</b>		
City of Dania Beach	Town of Palm Beach	<b>GEORGIA</b>		<b>FEMA DR-4165</b>
City of Madeira Beach	Town of Redington Shores	Jenkins County		
City of North Port	Town of Sewall's Point	<b>2012</b>		
City of Port St. Lucie	Town of Windermere	<b>HURRICANE SANDY</b>		
City of St. Pete Beach	Village of Estero	(applicants worked within the past 60 months)		
City of Winter Springs		<b>NEW YORK</b>		<b>FEMA DR-4085</b>
<b>GEORGIA</b>		USACE NY District/ECC – City of New York		
<b>FEMA DR-4338</b>		USACE NY District/ECC – Fire Island		
City of Garden City		<b>NEW JERSEY</b>		<b>FEMA DR-4086</b>
City of Tybee Island		Bergen County Utility Authority	Borough of Sea Girt	
<b>SOUTH CAROLINA</b>		Borough of Bay Head	Borough of Tinton Falls	
<b>FEMA DR-4346</b>		Borough of Bernardsville	City of Bayonne	
Charleston County		Borough of Highlands	NJDEP – Waterway Debris Monitoring	
<b>HURRICANE MARIA</b>		Borough of Keansburg	Township of Brick	
<b>COMMONWEALTH OF PUERTO RICO</b>		Borough of Little Silver	Township of Hillside	
<b>FEMA DR-4336</b>		Borough of Manasquan	Township of Hopewell	
USACE Jacksonville District/Xpert's Inc.		Borough of Ocean Gate	Township of Middletown	
<b>2016</b>		Borough of Point Pleasant Beach	Township of Old Bridge	
<b>HURRICANE MATTHEW</b>		Borough of Red Bank	Township of Readington	
<b>FLORIDA</b>		Borough of Roselle		
<b>FEMA DR-4283</b>				
City of Port St. Lucie				
Martin County				
Town of Sewall's Point				
<b>GEORGIA</b>				
<b>FEMA DR-4284</b>				
City of Garden City				

## 2.2 PAST PROJECT EXPERIENCE

### **AUTOMATED DEBRIS MANAGEMENT SYSTEM | HURRICANE MARIA | FEMA DR-4339 XPert's INC./US ARMY CORPS OF ENGINEERS | 4.0 MILLION CY TO DATE | 2017–PRESENT**



In September of 2017, Hurricane Maria severely impacted the US Territory of Puerto Rico. Maria was the most devastating natural disaster to impact the island in recent record. The entire island was left without power, traditional communications were limited, and available water resources were scarce. Rostan deployed a lead team and essential gear mere days after impact. Rostan was contracted to provide ADMS services on behalf of XPert's Inc. following their mission assignment by USACE. On October 12, 2017 debris removal operations were officially underway. Rostan fully deployed HaulPass® on day one of operations. To date, more than 1,625 equipment certifications have been completed and more than 4 million cubic yards of debris has been collected. Rostan has supported XPert's efforts to receive debris at more than 50 temporary and final disposal facilities, and to equip more than 250 field QCs with ADMS equipment.

### **DEBRIS MANAGEMENT AND MONITORING OPERATIONS | HURRICANE IRMA | FEMA DR-4337 MULTIPLE COMMUNITIES THROUGHOUT FLORIDA | 2017–PRESENT**

Hurricane Irma made landfall as a Category 4 Hurricane at Cudjoe Key on September 10, 2017. It then proceeded north over the state of Florida causing severe damage throughout the state. As a result, Rostan was activated by 21 municipalities and governmental entities throughout Florida; some that had been long standing clients and others that engaged us in the immediate aftermath of the storm. We are proud to say that we met every existing contractual commitment and also responded to every call we received. As a result, we were able to provide debris monitoring services to a number of new clients, at a time when our competitors were failing to meet contractual obligations. Rostan provided a wide array of debris management services including truck certifications, debris contractor monitoring and documentation of ROW debris removal, tree, limb, and stump removal monitoring, debris reduction monitoring and management, debris management site (DMS) oversight and closure supervision, daily operations reporting, and hauler invoice reconciliation. To date, Rostan has been responsible for managing and monitoring the removal of over 1,000,000 cubic yards of disaster generated debris from Rights-of-Way throughout the state. The Rostan team monitored debris operations by many of the leading debris hauling firms in the United States. As we do for every debris project we are engaged on, we implemented HaulPass®, our automated debris management system (ADMS) to track each load of debris collected during an event. We are proud to say that the data we gathered was 100% secure – not a single lost data point throughout our work in Florida. In addition, our team of debris management experts always relies on locally hired personnel to serve as debris monitors. We interviewed, trained and hired over 200 local staff. This approach provides an economic benefit to the community and to the many people that had jobs displaced as a result of Hurricane Irma.



Many of our clients also required assistance seeking FEMA reimbursement. A particularly challenging undertaking given FEMA's recent rollout of their new Grant's Portal. In addition, Rostan provided debris management site summary reports documenting the closure of the sites and consolidating the records necessary for FEMA reimbursement.

## HIGHLIGHTED HURRICANE IRMA PROJECTS

The following projects were highlighted to display the diverse Debris Monitoring experience that Rostan brings to the table. In our experience, every project is unique and presents a varied set of challenges.

### CITY OF CORAL SPRINGS, FL



Our work with the City of Coral Springs is representative of the services we provided to our clients throughout the state following Hurricane Irma. Coral Springs is an affluent community that covers an area of approximately 24 square miles with a population of 121,000 people. It is located in Broward County just on the edge of the Everglades. Rostan has served as the City's on-call debris monitor since 2007. Rostan was in communication with the City's Department of Public Works before Hurricane Irma had made landfall in the Keys. Our staff was on the ground the day the storm hit and we began debris monitoring activities on September 12, just two days after the storm had passed. Rostan hired over 85 local staff to serve as debris monitors. Debris monitoring efforts were completed in 66 days and a total of 301,000 cubic yards of storm generated debris was collected. Over 13,000 hazardous limbs and 111 damaged or uprooted trees were also removed. Coral Springs also engaged Rostan to provide a Debris Call Center to receive and respond to citizen concerns. The information gathered by the Call Center was used to create a daily hotspot checklist that was given to the Contractor at the start of each work day. The Call Center removed a significant burden from the DPW staff that were inundated by calls immediately after the storm. Over the course of a three-week period, Rostan fielded more than 1,000 calls from concerned residents.

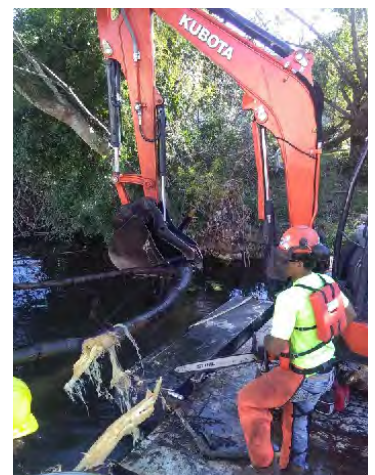


### BROWARD COUNTY SCHOOL BOARD

Rostan was part of a team that provided debris monitoring services to the Broward County School Board. The Broward County School District (District) is the sixth largest school district in the Country and has 234 separate schools and centers, nearly all of which were affected by Hurricane Irma. Following Irma, the District was left with thousands of damaged trees that were either uprooted or had broken limbs that posed a significant risk to school children. The Broward County School Board was tireless in their effort to reopen the schools as quickly as possible to enable families to return to normalcy. Rostan responded immediately and provided debris monitors and HaulPass®, our automated debris management system (ADMS), to track and manage the work performed by the Districts contractor. Rostan monitored the removal of damaged limbs from over 6700 trees (hangers) and the removal of 934 uprooted or severely damaged trees (leaners).

### SUNSHINE WATER CONTROL DISTRICT

Our work in Florida continues today. Rostan is providing debris monitoring and FEMA reimbursement assistance to both Sunshine Water Control District and Coral Springs Improvement District. These projects, located immediately adjacent to each other, offer a set of unique challenges. Mobilization of the debris hauler was delayed as both districts sought a determination from the National Resources Conversation Service. NRCS indicated that they were unable to fund debris collection. At this point, FEMA was consulted and debris collection was able to begin. Vegetative debris along the canal ROWs poses a serious safety concern but removing this material is complicated given that access to the canal banks is extremely restricted. To address this issue, the District's debris hauler must perform all debris collection from the canal itself using a combination of boats and aquatic equipment. Given the technical challenges and costs associated with this work, it was critical that all debris be identified such that collection could be accomplished in one initial pass. To optimize the debris hauler's effectiveness, Rostan catalogued all ROW debris including hazardous leaners and hangers, prior to the hauler mobilizing his crew. Locations were catalogued using an iPad based application that photo documented debris and tracked associated GPS. Completed work is documented by flying a drone over each canal to create a record of the finished canal. This documentation is critical given the difficulty associated with remobilizing to perform a second pass if residents were to move debris into the right of way after collection had been completed. Debris collection is expected to conclude in the 2nd quarter of 2018.





**DEBRIS MANAGEMENT AND MONITORING OPERATIONS | HURRICANE HARVEY | FEMA DR-4332  
MULTIPLE MUNICIPALITIES THROUGHOUT TEXAS | 2017 – PRESENT**

Hurricane Harvey made initial landfall as a Category 4 hurricane at San José Island, Texas, on August 25, 2018. Harvey was downgraded to a tropical storm as it stalled near the coastline of the state, dropping torrential and unprecedented amounts of rainfall. In a 4-day period, many areas received more than 40 inches of rain as the system slowly crossed over eastern Texas, ultimately dissipating as it made its final landfall near the Texas-Louisiana border. As a result, Rostan was activated by 7 clients in the State of Texas:

City of Kountze	Hardin County
City of Lumberton	Village of Piney Point
City of Orange	Village of Rose Hill Acres
City of Sour Lake	

Rostan provided a wide array of debris management services including truck certification, debris contractor monitoring and documentation of ROW debris removal, debris reduction monitoring and management, debris management site (DMS) oversight, daily operations reporting and hauler invoice reconciliation. To date, Rostan has been responsible for managing and monitoring the removal of over 550,000 cubic yards of construction and demolition (C&D) debris from Rights-of-Way (ROWs) throughout the state. As we do for every debris project we are engaged on, we implemented HaulPass®, our automated debris management system (ADMS) to track each load of debris collected during the event. We are proud to say that the data we gathered was 100% secure – not a single lost data point throughout our work in Texas. In addition, our team of debris management experts always relies on locally hired personnel to serve as debris monitors. We interviewed, trained and hired over 75 local staff. This approach provides an economic benefit to many people that had jobs displaced as a result of Hurricane Harvey.

For Hardin County, our services included monitoring and tracking collection of C&D and white goods. For the Cities of Kountze, Lumberton, Rose Hill Acres, Piney Point. and Sour Lake, monitoring was limited to C&D. For the City of Orange, we also tracked collection of household hazardous waste.

**PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | MULTIPLE PROJECTS  
CHARLESTON COUNTY, SC | 2015 – PRESENT**

**HURRICANE IRMA | FEMA DR-4346 | 15,800 CY**

For the third consecutive year, Charleston County fell victim to the devastating effects of weather. After Hurricane Irma hit in September 2017, disaster debris recovery efforts were underway once again. The Rostan team was on the ground mere hours after the storm hit to begin implementing the County’s disaster debris management plan.

**HURRICANE MATTHEW | FEMA DR-4286 | 425,000 CY**

While still recovering from the impacts of the 2015 late-season floods, Charleston County was the unfortunate recipient of Hurricane Matthew’s initial landfall. Hurricane Matthew profiled the east coast of Florida and Georgia before coming inland in Charleston County near the town of McClellanville. Fortunately for the County, tide sequences welcomed the Hurricane at or near low tide, minimizing the flooding impact. This did not spare the County from dramatic vegetative damage and resulted in the collection of more than 400,000 CY by private contractor, as well as an estimated 100,000 CY collected by municipal and County entities. In addition, Matthew resulted in the removal of more than 18,000 hazardous hanging limbs and trees from major arteries and more densely populated areas. Debris collection, processing, and final haul-out efforts concluded after 112 days. Rostan was activated by the County to provide debris monitoring management services



augmented by HaulPass®, our proprietary ADMS system. More than 80 employees were used to collect field data and monitor hauling operations. Debris was processed at three primary DMS sites, all staffed by Rostan personnel. Additionally, five final disposal sites, some more than 75 miles away, were utilized.

### **FLOODING 2015 | FEMA DR-4241 | 31,500 CY**

Following the historic flooding event during October 2015 throughout South Carolina, Rostan was activated by the County to assist in management of debris recovery efforts. Rostan was responsible for managing and monitoring the removal of C&D, white goods, and vegetative debris from the Right-of-Way (ROW) throughout the County. Optimized by our HaulPass® automated debris management system, Rostan provided rapid reconciliation of debris contractor invoices. Along with our team of debris management experts, local personnel were interviewed, trained and hired to enhance economic recovery of the affected area. In total, more than 30,000 cubic yards of debris was removed during a 30-day period.

In addition, Charleston County was faced with the daunting task of restoring and repairing an extensive network of roads and drainage channels. Charleston County maintains hundreds of miles of drainage canals, stormwater ditches, and unpaved roadways, including canals and roads that are listed on the national register of historic places. Charleston County’s initial damage survey found that 222 unpaved roads and 219 drainage structures sustained damages. Rostan was tasked with managing the County’s disaster recovery efforts and coordinating these efforts with the Federal Emergency Management Agency (FEMA) and South Carolina’s Emergency Management Division (SCEMD). This included preparation of required documentation for project worksheets for Category A — Debris Management, Category B— Emergency Protective Measures, Category C— Roads and Bridges, and Category D— Water Control Facilities. To support these efforts, Rostan reconciled multiple County departments’ force account expenditures for Public Assistance (PA) emergency work categories.

## **DEBRIS MANAGEMENT AND MONITORING OPERATIONS | MULTIPLE PROJECTS MARTIN COUNTY, FL | 2016–2017**

### **HURRICANE IRMA | FEMA DR-4337 | 175,000 CY**

For the second year in a row, Martin County, FL suffered substantial damages from a hurricane when Hurricane Irma made landfall in September of 2017. Rostan deployed equipment and personnel immediately following the County’s request to support debris removal operations. In total, more than 175,000 cubic yards of debris were collected from eligible ROWs.

### **HURRICANE MATTHEW | FEMA DR-4283 | 155,000 CY**



Following Hurricane Matthew in October of 2016 Rostan was activated to provide an array of debris management services including truck certification, debris contractor monitoring and documentation of ROW debris removal, debris reduction monitoring and management, debris management site oversight and daily operations reporting. Rostan was responsible for managing and monitoring the removal of 155,000 cubic yards of vegetative debris from the ROW in Martin County. Operations covered approximately 543 square miles of public ROW’s. Rostan personnel were assigned to monitor and document work performed by contracted services at Hobe Sound DMS, as well as to verify final disposition of mulch at the Mike Marburger Recycling Facility and the Citrus Grove site in St. Lucie County.

Optimized by HaulPass®, our automated debris management system, Rostan also provided timely reconciliation of contractor invoices. Rostan also provided Public Assistance program guidance consultations related to eligible reimbursements for the debris recovery operation. In addition, Rostan provided debris management site summary reports documenting the closure of the sites and consolidating the records necessary for FEMA reimbursement.



**DEBRIS MANAGEMENT AND MONITORING OPERATIONS | HURRICANE MATTHEW | FEMA DR-4283  
THE CITY OF PORT ST. LUCIE, FL | 110,000 CY | 2016-2017**

Rostan/CapTec was the secondary Stand-by Debris Monitoring firm for the City of Port St. Lucie. Following Hurricane Matthew in October of 2016, Rostan/CapTec was activated to provide monitoring services because the primary firm did not mobilize to assist the City. Upon activation Rostan immediately deployed a management and monitoring team to come to the aid of the City.

Rostan was responsible for managing and monitoring the removal of 110,000 cubic yards of vegetative debris from the right-of-way, parks and City drainage systems. Monitoring operations also involved the removal of over 5,000 hanging limbs and 475 hazardous leaning trees, as well as, oversight of debris reduction operation at the debris a management site and the haul out of mulch to final disposition.

Rostan monitoring tasks included but were not limited to truck certification, debris contractor monitoring and documentation of ROW debris removal, debris reduction monitoring and management, debris management site oversight, daily operations reporting and debris contractor invoice reconciliation utilizing our HaulPass® automated debris management system.



**DEBRIS MANAGEMENT AND MONITORING OPERATIONS | HURRICANE MATTHEW | FEMA DR-4284  
THE CITY OF GARDEN CITY, GA | 23,700 CY | 2016-PRESENT**



Rostan was hired by Garden City, GA in October 2016 following the significant impact of Hurricane Matthew along the Georgia coast. Garden City, though small in geographic area, suffered sizable damages. Rostan was tasked initially with providing debris monitoring and field support services. Over the course of 30 days, more than 23,000 cubic yards of debris was collected within the 14.3 square mile municipal boundary. Debris volumes were further amplified considering a sizeable portion of the City was dedicated to commercial establishments therefore not requiring debris collection efforts. The City contains slightly less than 4,000 households, meaning there was roughly 6 CY of debris generated per household. Rostan utilized its proprietary ADMS HaulPass® to track all debris removal efforts, expediting contractor invoice reconciliation and requests for reimbursement.

Rostan was additionally tasked with assisting the City with all public assistance (PA) efforts including identifying damages to City infrastructure and pursuing reimbursement for restoration measures and mitigation alternatives. Rostan has been integral in developing multiple HMGP pre-applications.

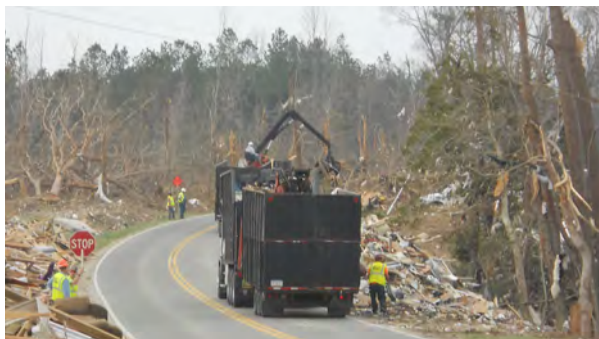
**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES | HURRICANE MATTHEW  
FEMA DR-4286 | BERKELEY COUNTY, SC | 58,000 CY | 2016**

In October, 2016, while still recovering from the impacts of the severe flooding that occurred in late 2015 (FEMA 4241), Berkeley County was hit by Hurricane Matthew. Hurricane Matthew skirted the southeastern coast of the United States before coming inland in Charleston County near the town of McClellanville, SC less than ten miles from the Berkeley County border. While

Berkeley County did not experience the damages that some coastal communities felt, the County was still buffeted by winds in excess of 75 mph and vegetative damage occurred throughout the county and resulted in the collection of more than 58,000 CY of vegetative debris by private contractor and County forces. In addition, more than 1,800 hazardous hanging limbs and trees were removed from major arteries and more densely populated areas. Debris collection, processing, and final haul-out efforts concluded after 61 days. Rostan was activated by the County to provide debris monitoring management services augmented by HaulPass®, our proprietary ADMS system. More than 30 Rostan employees, many of whom were local hires that reside in Berkeley County, were used to collect field data and monitor hauling operations. Debris was processed at the County’s debris management site located at the Berkeley County Landfill which was staffed by Rostan personnel.



**DEBRIS MONITORING AND MANAGEMENT SERVICES | TORNADO  
ESSEX COUNTY, VA | 7,400 CY | 2016**



Subsequent to a series of devastating tornadoes which impacted multiple counties across central Virginia on February 24, 2016, Rostan provided a range of debris removal monitoring services including truck certification, monitoring and documentation of ROW debris removal, debris management site (DMS) oversight, daily operations informational summaries, and DMS and project closeout reporting. In addition, we successfully provided guidance to the County related to obtaining reimbursements from state and federal agencies, including the Federal Emergency Management Agency (FEMA), relating to the eligible costs arising from the disaster recovery effort.

Rostan was responsible for managing and monitoring the removal of over 7,400 cubic yards of debris hauled to two DMS locations. The operation was further streamlined through the use of the HaulPass® automated debris management system, which provided near real-time reporting regarding debris removal field operations.

**DEBRIS MANAGEMENT AND MONITORING OPERATIONS | ICE STORM | FEMA DR-4211  
CUMBERLAND COUNTY, TN | 700,000 CY | 2015–2016**

After the severe ice storms which occurred across the State of Tennessee in February 2015, Cumberland County was among 45 Tennessee Counties to receive a Major Disaster Declaration. Rostan was responsible for managing and monitoring the removal of 700,000 cubic yards of vegetative debris from the Right-of-Way (ROW) throughout the County. Operations covered approximately 685 square miles of public ROW. Rostan also provided oversight of debris reduction grinding and chipping, as well as the haul out of reduced vegetative debris to final disposition. Optimized by our HaulPass® automated debris management system, Rostan provided unprecedented rapid reconciliation of debris contractor invoices. As is typical operation for Rostan disaster response and recovery services, local personnel were interviewed, trained and hired to enhance economic recovery of the affected area.





Rostan provided an array of post-disaster debris management services including truck certification, ROW debris removal monitoring and documentation, debris reduction monitoring and management, debris management site (DMS) oversight, daily operations informational summaries, as well as DMS and project closeout reporting. Rostan provided assistance to the County in its reimbursement efforts from the state and federal agencies, including the Federal Emergency Management Agency (FEMA), relating to the eligible costs arising from the disaster recovery effort.

**DEBRIS MANAGEMENT AND MONITORING OPERATIONS | ICE STORM | FEMA DR-4211  
WHITE COUNTY, TN | 135,000 CY | 2015**

Subsequent to the severe ice storms which impacted the State of Tennessee in February 2015, White County was among 45 Tennessee Counties to receive a Major Disaster Declaration. Rostan was responsible for managing and monitoring the removal of 135,000 cubic yards of vegetative debris from the Right-of-Way (ROW) in White County. Operations covered approximately 377 square miles of public ROW. Monitoring operations also involved oversight of debris reduction by open burning, as well as grinding and chipping, and the haul out of reduced vegetative debris to final disposition. Optimized by our HaulPass® automated debris management system, Rostan also provided unprecedented rapid reconciliation of debris contractor invoices. As is common in Rostan's approach to disaster response and recovery services, local personnel were interviewed, hired and trained to enhance economic recovery of the affected area.



Rostan provided an array of debris management services including truck certification, monitoring and documentation of ROW debris removal, debris reduction monitoring and management, debris management site (DMS) oversight, daily operations informational summaries, and DMS and project closeout reporting. In addition, we successfully provided guidance to the County related to obtaining reimbursements from state and federal agencies, including the Federal Emergency Management Agency (FEMA), relating to the eligible costs arising from the disaster recovery effort.

**DEBRIS MANAGEMENT AND MONITORING OPERATIONS | ICE STORM | FEMA DR-4165  
JENKINS COUNTY, GA | 53,000 CY | 2014**



Following the severe ice storms in February 2014 that affected communities from Texas to the Carolinas, Jenkins County Georgia was among 39 Georgia Counties to receive a Major Disaster Declaration. Rostan was responsible for managing and monitoring the removal of more than 46,000 cubic yards of vegetative debris from the Right-Of-Way (ROW) in Jenkins County. Operations covered approximately 347 square miles of public ROW. Monitoring operations also involved debris reduction and the haul out of reduced vegetative debris to final disposition. Optimized by our HaulPass® automated debris management system, we also provided unprecedented rapid reconciliation of debris contractor invoices.

As is common in Rostan's approach to disaster response and recovery services, local personnel were interviewed, hired and trained to enhance economic recovery of the affected area.

Rostan provided an array of debris management services including truck certification, monitoring and documentation of ROW debris removal, debris reduction monitoring and management, debris management site (DMS) oversight, daily operations informational summaries, and DMS and project closeout reporting. In addition, we successfully provided guidance to the County related to obtaining reimbursements from state and federal agencies, including the Federal Emergency Management Agency (FEMA), relating to the eligible costs arising from the disaster recovery effort.

**PUBLIC ASSISTANCE, GRANTS FUNDING, DEBRIS MONITORING AND MANAGEMENT | HURRICANE SANDY | FEMA DR-4086 | TOWNSHIP OF BRICK, NJ | 340,000 CY/31,500 TONS | 2012-2014**

Rostan deployed to New Jersey following Hurricane Sandy making landfall on October 29, 2013. Within days, Rostan was contacted by representatives from Brick Township to provide immediate response, and was on-site the next day certifying contractor equipment to begin debris removal operations.

Rostan provided an array of post-disaster debris management services throughout the municipality including damage and debris assessments and quantifications, monitoring of right-of-way debris and hazardous tree removals, and complete oversight and management of all facets of private property debris removal and structure demolitions. With a local staff of over 50 trained debris monitors and field supervisors, Rostan monitored the removal of debris across multiple project phases extending over 18 months. Rostan staffed and managed over 15 debris management sites where the debris was hauled throughout the project.



The initial phase of debris removal included right-of-way cleanup and the removal of over 3,100 hazardous leaning trees, hanging branches, and hazardous stumps. Over 220 trucks were certified, tracked, and utilized for debris collection by multiple prime and sub-contractors.

In a secondary phase, Rostan fully coordinated and oversaw 111 private property debris removal and demolition assignments on behalf of Brick Township. Rostan assisted the Township in the collection, verification and validation of rights-of-entry and hold-harmless agreements related to private property debris removal (PPDR) operations approved by the FEMA coordinating officer. Rostan performed property evaluations and pre- and post-work assessments on all private property work sites. Rostan was solely responsible for coordinating with all federal and state agencies throughout the project, and maintaining all relevant property records. In addition, Rostan provided assistance to the Township in recovery of funds allocated by insurance companies in effort to prevent duplication of benefits for FEMA purposes.

In addition to our debris monitoring and demolition oversight management services, Rostan led Brick Township's public assistance efforts. To date, FEMA has approved and obligated over \$15 million in emergency response, debris management and permanent projects and mitigation. The Township leads the state in reimbursement and was randomly selected to be audited by the Bureau of Homeland Security, Office of the Inspector General (OIG). The OIG audit has not resulted in deobligation of any funds while we worked hand-in-hand with their auditing team to ensure that they had all requested documentation in a timely manner.

**DISASTER DEBRIS MANAGEMENT AND MONITORING OPERATIONS | HURRICANE SANDY | FEMA DR-4086  
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | 2012-2014**

Upon being awarded a competitively bid state-wide contract by the New Jersey Department of Environmental Protection (NJDEP) for debris management and monitoring following the devastating impact of Hurricane Sandy, Rostan team members immediately deployed to the affected area. Within 24 hours we were actively assisting the Borough of Ocean Gate with debris management services. Subsequently we were engaged by the following communities in eight New Jersey counties:

Borough of Bay Head	Borough of Manasquan
City of Bayonne	Middletown Township
Bergen County Utilities Authority	Borough of Ocean Gate
Borough of Bernardsville	Old Bridge Township



Brick Township	Borough of Point Pleasant Beach
Borough of Highlands	Readington Township
Hillside Township	Borough of Red Bank
Hopewell Township	Borough of Roselle
Borough of Keansburg	Borough of Sea Girt
Borough of Little Silver	Borough of Tinton Falls

In addition, Rostan assisted NJDEP with PPDR and demolition monitoring in several communities. Debris management services for our 20 New Jersey clients involved the certification of more than 900 pieces of equipment, which removed over 47,000 loads of debris equaling 1,400,000 cubic yards removed from public Rights-of-Way (ROW) and 54,000 tons of construction and demolition debris delivered to final disposition. Rostan monitored removal of debris from 237 square miles of ROW as well as operations at 22 debris management sites and 20 final disposition locations. We hired and trained over 140 personnel from local communities which facilitated quicker recovery for our clients while reinvesting in local communities.



In addition to providing disaster response services through debris monitoring operations, Rostan was engaged by multiple communities to assist with recovering from Sandy’s impact by ensuring maximum reimbursement from federal and state agencies. We had teams engaged in drafting FEMA project worksheets for all categories of eligible work. Rostan worked with our team of infrastructure experts to identify the precise elements of impacts, damages, and associated costs to arrive at a true representation of public property and infrastructure damage in order to develop local hazard mitigation strategies and hazard mitigation plans, and drafting of projects funded under Section 404 of the Stafford Act, which assists with mitigating potential damages from future disasters as well as Section 406, which assists with repair, restoration and replacement of damaged facilities which occurred as a result of Sandy.

**MONITORING SERVICES FOR WATERWAY DEBRIS REMOVAL | HURRICANE SANDY | FEMA DR-4086  
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION | 539,000 CY | 2012–2014**

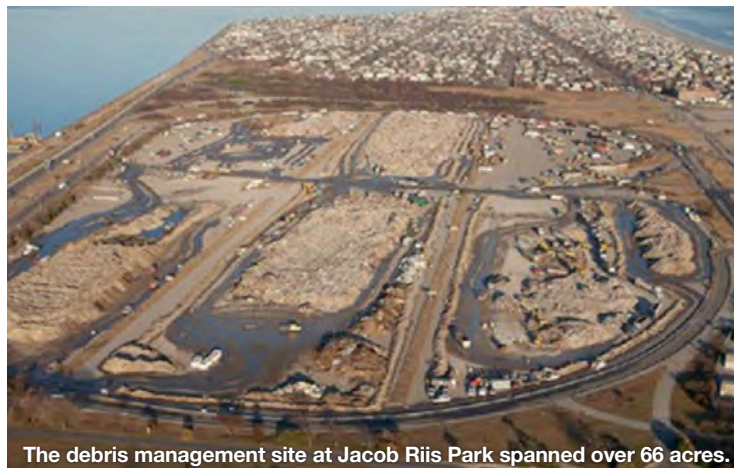
ROSTAN worked under a competitively bid state-wide contract by the New Jersey Department of Environmental Protection (NJDEP) for debris management and monitoring following the devastating impact of Hurricane Sandy. Rostan Solutions spent the next year assisting the NJDEP with waterway debris management in multiple facets. The Rostan team was responsible for managing all marine debris removal in the central region of New Jersey, spanning over 50 miles of coastline including several large bays, many rivers, and smaller waterways. Rostan hired and trained a local staff of over 35 people to oversee cleanup operations which spanned a large geographical area on a daily basis. Rostan was responsible for tracking the removal and disposal of over 100 submerged vehicles and vessels in coordination with the New Jersey State Police. ROSTAN monitored and secured FEMA reimbursement for the removal of over 23,600 truckloads of material, including over 80,000 cubic yards of water generated debris, and over 450,000 cubic yards of dredged material.





**AUTOMATED DEBRIS MANAGEMENT SYSTEM | HURRICANE SANDY | FEMA DR-4085  
ECC/US ARMY CORPS OF ENGINEERS-NEW YORK DISTRICT | 533,000 CY/223,000 TONS | 2012-2013**

When the largest Atlantic hurricane on record (as measured by diameter, 1,100 miles) impacted the United States' most populated city it required an unprecedented response and recovery effort. Following the devastating impact left by Hurricane Sandy on the Northeastern seaboard October 29, 2012, Rostan, responded by deploying experienced core personnel and assets to the disaster stricken area. As the exclusive purveyor of the HaulPass® System, the industry's leading Automated Debris Management System (ADMS), Rostan was requested to track the removal of all disaster generated debris following the unimaginable destruction in New York City's five boroughs. On November 6th, 2012, within 24-hours of notice to proceed, the Rostan team established an operations center and truck certification site in Jacob Riis Park, Queens, NY.



The debris management site at Jacob Riis Park spanned over 66 acres.

Rostan personnel were integral in supporting the transition of the recovery effort from the Department of Sanitation New York City (DSNY) to Environmental Chemical Corporation (ECC) through their ACI contract with the US Army Corps of Engineers (USACE). At the request of ECC/USACE and with the key addition of more than 40 locally hired staff, Rostan implemented 24-hour operations for an unprecedented 63 consecutive days, and more than 110 days of normal operations, with Christmas and New Year's Day being the only two exceptions. HaulPass® is a proprietary ADMS designed and patented specifically for the purpose of tracking the removal, hauling, and disposal of disaster generated debris.

This is accomplished by first certifying debris removal equipment. 2,634 certifications were issued across three locations in New York. During the certification process, HaulPass® captures vehicle-specific information and digitally writes it to mission-specific encrypted smart cards, which are then utilized by the certified equipment to transport data from loading site to disposal site. For ECC/USACE to date, HaulPass® has logged more than 1.73 million road miles and over 32,000 truckloads of debris dispersed to 22 disposal facilities across New York, New Jersey, and Pennsylvania, with the furthest being 317 miles away.

In addition to traditional methods of debris transport, HaulPass® captured more than 4,700 tons of debris shipped on 36 barges from Staten Island to upstate New York. Upon arrival it was offloaded and transported by truck to final disposal where Rostan provided personnel to document receipt of the debris. HaulPass® has also been integral in tracking the removal of debris from over 300 private residences in some of the most decimated communities across Staten Island, Queens, and Brooklyn. HaulPass® was also utilized to track the removal of vegetative debris from Central Park, arguably the City's most iconic landmark.

HaulPass® captured the removal of more than 533,000 cubic yards of Hurricane Sandy-generated debris and an additional 223,000 tons, 8,500 of which has been deemed Regulated Asbestos Containing Material (RACM) positive. Additionally, Rostan has trained more than 200 personnel to operate the HaulPass® System and has staffed 13 disposal locations across 3 states. Additional efforts in New York included staffing and tracking the removal of more than 1,400 hazardous stumps throughout the City's five boroughs.

Upon completion of efforts in New York, Rostan and HaulPass® were responsible for capturing and documenting data required for reconciling more than \$120,000,000 for ECC/USACE.





RFP No. PWWM-180069-DH | May 8, 2018



## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA

### SECTION 3 – PROJECT METHODOLOGY



- 3.1 Understanding the City of Gainesville, Florida
- 3.2 Rostan Strategy, Approach, and Schedule
- 3.3 Debris Collection, Management, and Disposal Plan
- 3.4 Automated Debris Management System [ADMS]
- 3.5 Additional Related Services
- 3.6 Public Assistance Consulting

#### SUBMITTED BY

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## 3.1 UNDERSTANDING THE CITY OF GAINESVILLE, FLORIDA

### UNDERSTANDING THE CLIENT

Gainesville is the county seat and the largest city in Alachua County. Gainesville is also the largest city in the region of North Central Florida. It is also a component of the Gainesville-Lake City Combined Statistical Area, which had a 2013 population of 337,925.

Gainesville is home to the University of Florida, the nation's fifth-largest university campus by enrollment, as well as to Santa Fe College. The City has a total area of 62.4 square miles of which 61.3 square miles is land and 1.1 square miles is water.

Gainesville is surrounded by rural area, including the 21,000-acre (8,500 ha) wilderness of Paynes Prairie on its southern edge. The city is characterized by its medium size and central location. The area is dominated by the presence of the University of Florida, which in 2008 had been the third largest university campus in the country and as of fall 2016 was the fifth largest campus by enrollment in the United States.

Gainesville's tree canopy is both dense and species rich, including broadleaf evergreens, conifers, and deciduous species. The City has been recognized by the National Arbor Day Foundation every year since 1982 as a "Tree City, USA." While this is a great attribute of the City, alternately the City's tree canopy is vulnerable to wet soils and tropical storm force winds that can be generated by a hurricane traversing the state of Florida.

Rostan has extensive experience serving clients of similar size and with similar geographic vulnerabilities.

### PROBABLE DEBRIS QUANTITIES

The following estimate was developed using the USACE model for probable debris generation following a hurricane event. The formula for determining the amount of debris is as follows:  $Q=H(C)(V)(B)$  where Q represents the quantity of debris generated, H represents the average number of persons per household, (C) is a standard that represents storm category in cubic yards generated per household, (V) represents the vegetative characteristic multiplier, (B) represents the commercial/business/industrial use multiplier, and (S) represents the storm precipitation character. The model provides a baseline that is confirmed following the storm through visual inspection from the ground and the air.

Based on the most recently available census and geographic data and estimates, it assumed there is an average of 2.2 persons per household in the City, the vegetation factor is 1.3 (medium), commercial density is 1.0 (low), and the precipitation factor is 1.3 (medium to heavy). The results of the model run are included in the table below.

THE CITY OF GAINESVILLE USACE DEBRIS ESTIMATION MODEL					
	STORM CATEGORIES				
	CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5
Wind Speeds	74-95 MPH	96-110 MPH	111-130 MPH	131-155 MPH	155+ MPH
<b>ESTIMATED DEBRIS QUANTITIES</b>					
Population (H)	131,591	59,814	59,814	59,814	59,814
Category Factor (C)	2	8	26	50	80
Vegetation (V)	1.3	1.3	1.3	1.3	1.3
Commercial Density (B)	1.0	1.0	1.0	1.0	1.0
Precipitation (S)	1.3	1.3	1.3	1.3	1.3
Q= H(C)(V)(B)(S)	202,172 Cubic Yards	808,687 Cubic Yards	2,628,231 Cubic Yards	5,054,291 Cubic Yards	8,086,865 Cubic Yards
<b>TEMPORARY DEBRIS MANAGEMENT SITE REQUIREMENTS</b>					
Debris Cubic Yards	202,172	808,687	2,628,231	5,054,291	8,086,865
Acres Required*	13	50	163	313	501

\* 1 Acre = 4,840 Cubic Yards | 10 Foot Stack Height = 3.3 Cubic Yards | Total Volume Per Acre = 16,147 Cubic Yards

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## UNDERSTANDING THE RFP

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Rostan understands that the purpose of the City’s RFP is to secure services necessary to augment the City’s recovery efforts should a disaster occur. It is our understanding that Rostan will be responsible for the overall monitoring of debris collection, processing, and disposal. We anticipate the scope of work to include, but not be limited to the following:

Project/Operations Management
Coordination with the Debris Removal Contractor and City Representative
Right-of-Way Debris Collection Monitoring
Debris Management Site and Disposal Site Monitoring
Providing an Automated Debris Management System
Debris Removal Vehicle Certification
Data Compilation, Processing, and Document Management
Contractor Payment Monitoring and Reconciliation
Compliance and Coordination with state and federal Agencies

It is anticipated that Rostan certification specialists, disposal site monitors, and field monitors will perform their dedicated functions on behalf of the County in order to facilitate debris removal operations in an organized, efficient, and comprehensive manner, and to ensure the operation is conducted in accordance with federal and state guidelines in order to achieve maximum reimbursement funding. It is also our understanding that the Debris Removal Contractor(s) will provide the manpower and collection equipment to safely remove disaster debris.

## CAPACITY

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As a nimble, client-focused firm, Rostan understands the importance of resource management. We never over-commit our resources ensuring our clients always have timely access to the valued expertise and support they would expect. In fact, we do not hold any current contracts within 50 miles of the City, ensuring that the City will receive dedicated support from some of our top debris monitoring service professionals.

## RESPONSE GUARANTEE

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Rostan confirms our commitment to the City that we are able and willing to respond within 24 hours of issuance of a purchase order. This includes appropriate personnel and equipment necessary to implement an equipment certification site and conduct a preliminary damage assessment necessary to develop a debris collection plan. Depending on the results of preliminary damage assessment, Rostan can ensure that complete staffing needs will be met to facility the operation to completion within 72 hours of activation.

## KNOWLEDGE OF MANAGEMENT AND STAFF

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Rostan’s team has experience in federal, state, and local disaster debris management and recovery projects stemming from presidentially declared disaster events and have assisted state and local governments throughout all disaster recovery phases contemplated by the City’s RFP. Rostan’s key disaster debris management team members have more than 150 years of combined experience in disaster debris management operations and Public Assistance support services resulting from earthquakes, floods, tornadoes, snow/ice storms and hurricanes.

Our team is intimately familiar with the policies and procedures of the Federal Emergency Management Administration, National Resource Conservation Service (NRCS), Florida Department of Environmental Protection (FDEP), Florida Department of Transportation (FDOT), Florida Department of Emergency Management (FDEM), U.S. Department of Housing and Urban Development (HUD), and the Federal Highway Administration (FHWA). Rostan’s team has hands-on experience dealing with these agencies’ policies, procedures, and disaster specific requirements.



## 3.2 ROSTAN STRATEGY, APPROACH, AND SCHEDULE

Our Project Management approach is centered on 5 key principles. These principles have been paramount to the success we have had helping our clients recover from major disaster events.

Placing the public's safety and wellbeing first
Utilization of locally hired residents, resources and businesses
Listening to you and understanding your unique situation
Responding with a sense of urgency and focus
Maximizing your reimbursement funding

A proper management plan cannot be implemented until the impacts have been identified. This is where we listen to you and understand the City's unique situation. Every disaster is different, just like every client is unique. We have had the great fortune of serving more than 75 clients in disaster recovery scenarios during the past 5 years and that experience allows us to develop solutions that better suit the City's unique situation.

As a specialized firm, we are partial to small businesses and prefer to utilize locally hired residents and other resources to the greatest extent possible. We believe in investing in the community and have found over the years that there is no substitute for local knowledge after a devastating event. With that in mind, it is completely understandable that the wellbeing and safety of the public is the first of the 5 key principles that on which we build our management plan.

At the end of the day we wouldn't be in this business if we didn't understand that reimbursement funding is a key component to a successful recovery operation. We proudly stand by our experience and knowledge of state and federal regulations and can ensure you that every effort will be made to maximize the value of each dollar spent.

### STAFF RESERVES



Rostan staff reserves consist of cadres of veteran disaster debris monitoring specialists identified and assembled over years of disaster events and categorized by specialty, such as DMS Tower Monitor, Supervisor, HaulPass® technician, public assistance coordinator, time and materials monitoring specialist, etc. These staff reserves allow us to supplement our deployment efforts while engaging and training locally hired staff. Rostan staff reserves “fill the gaps” until such time we can provide properly trained and experienced local staff to fulfill the requirements of debris recovery efforts. Rostan staff reserves are well versed in FEMA regulations and guidelines, such as *FEMA 325, 327, 329, and Public Assistance Program & Policy Guide FP-104-009-2 / January 2018*.

### RECRUITING

Our goal in any disaster recovery effort is to hire locally to the greatest extent practical. We believe that maximizing the use of locally hired personnel not only helps the community recover more quickly, it also provides for operational efficiencies due to familiarity with roads, traffic patterns, and local culture. Rostan utilizes modern mediums of outreach such as social media and internet job



posting sites, while also employing “old fashioned” techniques, such as “word of mouth”, and accessing potential local candidates through military veterans organizations, religious organizations, and local labor surplus offices.

## HEALTH AND SAFETY/MONITOR TRAINING

Rostan’s health and safety strategy and approach is based upon our lessons learned, near misses, industry best practices, applicable federal, state, local regulations, and contractual requirements. Rostan will designate a health and safety officer for the duration of the debris recovery mission to support the Project Manager, Operations Manager and Supervisors with respect to health and safety protocols and procedures established in the Health and Safety Plan (HASP). Rostan will provide a HASP that addresses health and safety procedures for the overall debris monitoring field operation, each DMS, each citizen drop-off site, and final disposal sites.

**TYPICAL ROSTAN PERSONAL PROTECTIVE EQUIPMENT (PPE) CONSISTS OF:**

					
<b>SAFETY HAT</b>	<b>SAFETY GLASSES</b>	<b>SAFETY VEST</b>	<b>STEEL-TOE WORK BOOTS</b>	<b>MOBILE PHONE</b>	<b>EAR PLUGS</b>

Additional PPE is available as operational parameters may dictate, e.g., life vests, dust masks, sun screen, insect repellent, work gloves, etc.

## QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC)

Rostan personnel at all levels are aware of the importance of providing a quality work product. We will provide a designated QA/QC Officer to oversee Rostan’s operational performance and support the Project Manager, Operations Manager and Field Supervisors in implementing our QA/QC protocols and procedures. QA/QC activities may include but are not limited to:



### QA/QC ACTIVITIES MAY INCLUDE BUT ARE NOT LIMITED TO:

- Daily review of HaulPass® ticket data, scale receipts and other manifests
- Reconnaissance of current debris zones for daily progress
- Random re-certifications of debris contractor vehicles
- Random health and safety inspections and audits

### ADDITIONALLY, THE HAULPASS® SYSTEM PROVIDES SIGNIFICANT QA/QC FUNCTIONS FOR:

- ROW Monitor location tracking and performance measurement
- DMS Monitor performance measurement and audits
- Debris Contractor performance measurement
- Debris Contractor invoice reconciliation



### 3.3 DEBRIS COLLECTION, MANAGEMENT, AND DISPOSAL PLAN

The Debris Monitoring Plan below is a typical plan formulated for a hurricane or other predicted event. Upon award, Rostan is available to assist the City with the development of a customized Debris Monitoring Plan.

Rostan's strategy and approach for managing disaster debris collection and disposal is consistent and compliant with FEMA guidance documents (e.g., *FEMA 322, 325, 327, and 329*). We place an emphasis on health and safety and sound training techniques.

PRELIMINARY DEBRIS MONITORING PLAN		
DEBRIS MONITORING TASKS	ACTION ITEM	TIMELINE
<b>PRE-EVENT TASKS</b>		
PLANNING AND COORDINATION	Summarize operational and communications plan, DMS locations, and logistics and staging areas	During off-season and 72 hours prior to landfall
INITIAL PRE-LANDFALL COORDINATION	Telecommunications and/or in-person contact with client	72 hours prior to landfall
DEBRIS CONTRACTOR COORDINATION	Place Debris Contractor on stand-by	72 hours prior to landfall
OEM AND FEMA COMMUNICATION	Coordinate OEM and FEMA client public assistance conference calls	As requested
LOGISTICS AND OPERATIONS COORDINATION	Implement preliminary mobilization of Rostan Reserves	72 hours prior to landfall
	Preliminary staging of field kits	72 hours prior to landfall
	Initiate Event Manager/HaulPass® data and GIS database	72 hours prior to landfall
PRE-LANDFALL COMMUNICATION	Prior to hurricane landfall the Project Manager and/or Client Liaison will participate in conference call to discuss event status with staff and contractors	Occurs daily morning and afternoon within 72 hour landfall window
	Prior to hurricane landfall the Project Manager and/or Client Liaison will report to the EOC or other designated forward staging area	Report as requested
DEBRIS MONITOR MOBILIZATION	Mobilization of Rostan Reserves	Landfall is imminent
	Implement Rostan staff recruiting plan	72 hours prior to landfall
	Remote staging of equipment and personnel	72 hours prior to landfall
<b>POST-EVENT TASKS</b>		
ADMINISTRATIVE TASKS	Obtain Presidential Disaster Declaration	6 to 48 hours after landfall
	Obtain Notice to Proceed/Issue Certificate of Insurance	Landfall to 48 hours after
	Continue with staffing plan implementation and training	6 hours after landfall and until the end of the debris mission
OPERATIONS MANAGEMENT TASKS	Perform preliminary damage and debris assessments	2 to 48 hours after landfall
	Evaluate Debris Management Sites (DMS)	2 to 48 hours after landfall
	Perform preliminary debris cost estimate	2 to 48 hours after landfall
	Update GIS Map with debris zones	2 to 48 hours after landfall
	Compile and issue Daily Report	Daily beginning 2nd day after landfall
	Obtain Permit or appropriate approvals for DMS locations	6 hours after landfall until all necessary DMS locations are operational
MONITOR DEBRIS CONTRACTOR FIRST PUSH	Monitor equipment and labor hours of debris contractor equipment that is mobilized utilizing T&M daily log forms	70-hour T&M period

[CONTINUED ON NEXT PAGE]

## PRELIMINARY DEBRIS MONITORING PLAN [CONTINUED]

DEBRIS MONITORING TASKS	ACTION ITEM	TIMELINE
<b>POST-EVENT TASKS [CONTINUED]</b>		
MONITOR RIGHT-OF-WAY DEBRIS COLLECTION	1st Pass — Monitor Debris Contractor crews collecting eligible disaster debris from public ROWs and public property	Week 1 through Week 4
	2nd Pass — Monitor Debris Contractor crews collecting eligible disaster debris from public ROWs and public property	Week 4 through Week 8
	3rd Pass — Monitor Debris Contractor crews collecting eligible disaster debris from public ROWs and public property	Week 8 through Week 12
MONITOR SPECIAL WASTE COLLECTION	Monitor Debris Contractor crews collecting eligible special waste disaster debris such as appliances, stumps, leaning trees, hanging limbs, and HHW etc. from public ROWs	Week 3 through Week 10
DMS OVERSIGHT AND MONITORING	Document pre-DMS conditions with photographs and other means as required by regulatory agencies	1st week until debris mission complete
	Observe debris contractor operations at the site to assure environmental compliance	1st week until debris mission complete
	Perform “load calls” of debris contractor debris loads	Throughout mission
	Monitor Debris Contractor upon exit of DMS	Throughout mission
	Document post-DMS conditions with photographs and other means as required by regulatory agencies and that site is restored to original condition	Following completion of debris removal activities
MONITOR CITIZEN DROP-OFF SITES	Document pre-DMS conditions with photographs and other means as required by regulatory agencies	Prior to opening DMS locations
	Document and record residents and debris drop-off	Throughout mission
	Observe debris contractor operations at the site to assure environmental compliance. Document amount of debris processed	Throughout mission
	Document post-DMS conditions with photographs and other means as required by regulatory agencies and that site is restored to original condition	Following completion of debris removal activities
MONITOR FINAL DISPOSAL	Obtain documentation that final disposal location is permitted and approved for the debris material	1st week until debris mission complete
	Monitor final disposal of debris contractor and obtain scale record or load manifest	Throughout mission
DATA MANAGEMENT/ HAULPASS EVENT MANAGER	Manage and facilitate roll-based access and use of dynamic HaulPass Event Manager website for mission progress reports, data transfer, and an ensemble of data reports	Throughout mission
	Perform Debris Contractor invoice reconciliation	As invoices are submitted by debris contractor
	Issue applications for payment of debris contractor invoices	As invoices are submitted by debris contractor
	Coordinate and facilitate data transfers request from debris contractor, state and federal personnel	Throughout mission
CALL CENTER	Operate and staff call center in coordination with CIC	Throughout mission
WATERWAY DEBRIS REMOVAL MONITORING	Monitor debris collection crews collecting eligible debris from area waterways	If needed
MONITOR PRIVATE PROPERTY DEBRIS REMOVAL	Manage PPDR program	If needed
DEMOLITION OF STRUCTURES ON PRIVATE PROPERTY	Manage Demo program	If needed
PROJECT CLOSEOUT	Provide electronic and hard-copy files	Mission completion

A synopsis of Rostan’s monitoring tasks are discussed below.

## **PRELIMINARY DEBRIS ASSESSMENTS**

Debris estimation is critical to determining the type and size of a debris recovery operation. In coordination with the City, we will evaluate the potential impact area prior to an event and develop a disaster debris estimate utilizing industry standard modeling software. Following the impact, we will perform preliminary debris estimates based upon aerial, topographical, and visual reconnaissance of the affected area compared to pre-event conditions. Within 24-48 hours of activation, we will provide debris estimates as well as develop a monitoring staffing plan in coordination with the City and the Debris Contractor.

## **MONITORING FIRST PUSH/CUT AND TOSS**

Following an event, the “initial push” or debris clearance phase begins as soon as possible following the “all clear,” typically issued by the Incident Commander. Critical arteries and emergency response routes are prioritized and cleared of fallen trees, limbs, and other disaster debris by teams of debris contractors, electric company crews, local municipality crews and Rostan monitors. The debris clearance phase may go beyond the FEMA 70-hour allowable time and materials window under certain scenarios.

If requested, Rostan will provide quality assurance monitors to document and record time and materials efforts during the debris clearance phase. Rostan utilizes customized time and materials forms as well as the HaulPass® system, which consists of laptops, tablets and other handheld units to document and monitor debris clearance operations. Rostan can and will facilitate the administration and management of the information to be provided in support of project worksheet development for Category B reimbursement from FEMA.

Rostan will perform the following tasks during the debris clearance phase:



Certify and placard equipment and vehicles

Assist with documenting and prioritizing roads for immediate clearance

Capture time and materials efforts by City personnel, contractor staff crews, and volunteers

Manage the time and materials information collected daily

Issue a daily report of roads cleared, road status and schedule, and other salient data

Review and reconcile contractor and supplier invoices

Compile and provide information for all Category A and B PWs





## DEBRIS MANAGEMENT OPERATIONS AND REPORTING



Rostan will communicate and coordinate with the City with respect to its Operations Command Center from which we will coordinate field operations. Field monitors are deployed with debris contractor crews to monitor the loading of trucks and to issue load tickets. We provide area field supervisors that are responsible for a defined geographic area in support of monitoring efforts. Our supervisors will work closely with the City recovery Manager and Field Service Representatives to anticipate and address changing field conditions, manage communications, deploy field staff, and make adjustments as necessary to efficiently manage debris collection operations. Our HaulPass® System provides timely data from the field in terms of trucks deployed, volume of materials received at each DMS, and GPS mapping of debris removal efforts.

In addition, we will coordinate with City personnel to respond to any potential property damage claims resulting from the debris removal process and establish a call center for claims reporting and management of claims resolution. This call center will be located at the Operations Command Center. During previous debris recovery efforts, we have utilized our proprietary disaster debris damage complaint tracking system to track complaints from residents, document evaluations of damaged property, capture images, and ensure that each complaint was tracked from inception to final resolution.

Rostan staff will coordinate and communicate with the City regarding overall debris recovery status, Debris Contractor performance and daily debris recovery operations. Rostan provides daily reporting to document each day's activities and the HaulPass® Event Manager is accessible via a web interface to view "real time" operational information such as:

Debris volumes collected by debris type
Debris volumes hauled by type
Debris quantities by DMS
Equipment certification totals

A daily report will be provided the morning of the following day, and weekly reports can be provided if requested. The daily report format shall be approved by the City.

## ROW DISASTER DEBRIS COLLECTION MONITORING



Our Right-of-Way (ROW) load site quality assurance monitors (ROW Monitors) are trained with respect to FEMA 325 and FEMA 327 guidance. Our training also includes health and safety components, eligibility requirements specific to the local, state, and federal regulations, and debris contractor monitoring. Rostan's Operations Manager and Supervisors work closely with the City and Debris Contractor personnel to provide ROW Monitors for each debris crew mobilized by the Debris Contractor. Rostan's Operations Manager and Supervisors are responsible for ROW Monitor training, scheduling, deployment, QA/QC, as well as reacting to daily changes associated with debris contractor crews, monitor issues and FEMA inquiries.





Each Rostan ROW Monitor will be equipped with a HaulPass® handheld unit as well as all necessary field equipment and required health & safety personal protective equipment (PPE). Rostan ROW Monitors are capable of performing any of the tasks listed below:

Monitor eligible disaster debris collection from ROW and public property
Initiate a HaulPass® load ticket for each eligible load of disaster debris
Monitor Debris Contractor activities
Report Health & safety concerns
Report and document property damage or accidents
Monitor collection of special waste such as appliances, HHW, etc.
Mobilize and de-mobilize daily

## SPECIAL WASTE MONITORING

Special waste is considered to be disaster debris material that is typically collected separately from Vegetative and C&D storm debris. The most common special wastes include:



White Goods
Household Hazardous Waste (HHW)
Hazardous Stumps
Hanging Limbs
Leaning Trees
Abandoned Vehicles
Derelict Boats

Rostan Special Waste Monitors are experienced ROW Monitors that have received additional training and experience monitoring special wastes. Rostan assigns a monitor to each Debris Contractor special waste crew. Rostan’s Operations Manager coordinates closely with the Debris Contractor to facilitate a safe and efficient operation. Rostan monitors use HaulPass® to document each eligible debris item (e.g., hazardous stump, refrigerator, etc.) with photographs tagged with GPS coordinates and any footnotes.

## DEBRIS MANAGEMENT SITE (DMS) SELECTION AND APPROVALS

Effective debris management begins with the identification of potential DMS locations. We will assist the City in obtaining necessary approvals and permits from local, state and federal agencies for each site. Initially, our project team coordinates with the City to obtain relevant information such as current site ownership, current site use, right-of-entry considerations for privately owned sites, planned reduction methodologies for each site, and City-specific objectives for each site. We then collect baseline data on the designated DMS consistent with federal, state and local requirements and in general accordance with FEMA guidelines. Baseline data collection and monitoring activities are focused on achieving successful and timely site closure. Information obtained for each site is compiled into a baseline DMS report, as well as a closure report that we prepare after all debris has been removed from the site. If requested, we conduct both base-line and closure groundwater and soil sampling to document conditions prior to and after debris management activities and establish whether the DMS was adversely affected by these activities.



## MONITORING DMS OPERATIONS

We conduct frequent observations throughout the debris management process as debris is stored, reduced, and removed from various sites, and until site restoration to pre-disaster condition is complete. We evaluate the debris contractor's procedures for proper storage, management, and disposal of all debris types and advise the City of any potential issues that could affect reimbursement funding. We also can arrange for aerial photography to document overall site activities during debris management operations.

Following debris operations, our project team will prepare a DMS closure report documenting the site conditions upon closure. This report compares baseline and closure environmental conditions that typically includes a comparison of analytical data collected as well as photographic documentation for visual comparison. Rostan DMS-related monitoring tasks may include:

DMS selection and approval assistance

Development of criteria for management of a DMS

Inventory of all sites handling debris (such as DMS locations, landfills, staging areas, citizen drop-off sites, etc.)

Permitting and coordination needs for DMS locations, including communications with state and local regulatory agencies

Performance of baseline data collection including photos and/or video of each DMS, current site layout sketch, documentation of physical features, current land use, current structures, use or storage of chemicals (past or current) on-site, and other relevant information

Development of a sampling plan for each DMS including sampling locations, specific media, and analytical parameters, if required

Performance of baseline soil and groundwater sampling, if required

Ongoing DMS monitoring

DMS closure

Preparation of a DMS baseline and closure report for each site



## TOWER MONITORING AND LOAD CALLS



Rostan provides Tower Monitors that have extensive experience in DMS monitoring activities and have worked with us on previous disaster recovery events. Rostan Tower Monitors understand debris site management and equipment. It has been observed by others that Rostan Tower Monitors are among the most professional and technically competent in the industry. Our monitors are trained to verify the truck volume, identify truck modifications, accurately make the load call, document daily volumes managed, and observe contractor activities.

## EQUIPMENT AND VEHICLE CERTIFICATION

Rostan has experienced and fully dedicated and equipped certification teams prepared to deploy immediately following an event in order to identify potential equipment certification site(s), establish the certification site(s), oversee certification operations, certify equipment, and provide accurate record keeping to maximize reimbursement. We have established an electronic data capture protocol for equipment certification operations utilizing our HaulPass® System.

Rostan staff understand the importance of equipment and vehicle certifications. Rostan utilizes the HaulPass® system for digitally recording, storing and managing the information associated with each piece of equipment. Certifications can be provided for cubic yardage and/or tonnage. Rostan certification teams are experienced with volumetric measurement and calculations for all types of debris contractor vehicles and equipment used in the industry. Our certification staff follow Rostan’s standard operating procedures which are consistent with FEMA 327 and contain some of the following components:



HaulPass® System Equipment/Vehicle Certification Form

HaulPass® Smartcard and Placard Issued for each vehicle or piece of equipment

Debris Contractor Safety Checklist verified

Random QA/QC Re-Certifications – conduct random audits of contractor equipment to ensure the volume is consistent with the original placard

Rostan certification teams can certify 24 hours per day, 7 days per week if required.

## CANALS AND WATERWAYS DEBRIS MONITORING

Removal and monitoring of debris from canals and waterways increases the complexity and potential danger of a typical ROW debris management event and requires a specialized approach. Rostan has extensive experience monitoring debris removal from navigable and non-navigable waterways. We are currently monitoring debris removal operations for both the Sunshine Water Improvement District and the Coral Springs Improvement Districts in Broward County, FL as part of the Hurricane Irma recovery. These projects are both being performed “from the water” as access to each district’s canals is extremely restricted. Given the cost associated with this type of debris removal, it is imperative that debris, along with hazardous limbs and trees, be completed on the “first pass.” To accommodate that, Rostan did a comprehensive survey of each canal to catalogue debris piles and leaners/hangers. This was accomplished using tablets to photodocument areas of concern. Photodocumentation included capturing GPS for each area. This information was shared with our clients and with their debris hauler. Collection of this type of information allows critical preplanning to occur prior to mobilization. Once completed a drone is being used to capture a video record of the completed work. This information is useful in dealing with concerned residents whose properties abut the canals. In New Jersey following Hurricane Sandy, Rostan provided extensive waterways debris monitoring that included documenting canal, channel and embayment dredging of storm related materials. Rostan will coordinate monitoring operations with the Debris Contractor and County to ensure a safe and efficient collection and disposal of eligible storm debris. It is our policy to provide an experienced monitor for each debris collection crew.



### TYPES OF DEBRIS FIELDS INCLUDE:

Storm drains, catch basins and flood control ditches

Canals, streams, rivers and inland waterways

Bays, beaches and channels

### TYPES OF DEBRIS MAY INCLUDE:

Displaced damaged structures such as buildings, docks, pillars, etc

Derelict vessels and vehicles

Vegetative storm debris such as tree trunks, limbs, etc

C&D debris

Displaced sand and soil

Dredge spoils

Rostan understands the importance of taking additional safety precautions when performing debris monitoring in waterways.



## PRIVATE PROPERTY DEBRIS REMOVAL AND DEMOLITION MONITORING

Typically, FEMA does not provide federal support for work conducted on private property. In certain instances, eligible applicants can apply for federal support for this type of work if the extent of damage is extensive, and deemed harmful to a community at-large. Private Property Debris Removal (PPDR) and Structural Demolition work in accordance with federal, state, and local requirements can require extensive logistical coordination, detailed record keeping, and operational aptitude. ROSTAN is highly adept at providing and managing all three of these aspects.

Since 2011, ROSTAN has had the opportunity to serve multiple clients in this capacity, most recently the Army Corp of Engineers in New York City and two municipal clients in New Jersey following Superstorm Sandy in 2014.

This continued experience has allowed us to adopt and refine our approach to PPDR/Demolition projects. Initial focus is placed on determining the areas of impact and conducting site evaluations to determine the extent of damages and formulate site specific management plans. Historically, these site evaluations have involved FEMA and other governmental agencies such as Florida Department of Environmental Protection (FDEP).

Once properties are identified they are placed into a queue that generally follows the FEMA 19-point checklist. This checklist includes processes that must be followed to remain eligible for reimbursement funding and conduct a safe debris removal effort. Some of these processes are lengthy and can consume considerable amounts of time therefore it is critical to understand project management tools and coordinate processes simultaneously. For example, the checklist includes obtaining utility disconnect notices. This requires a letter, from a service provider, confirming utilities have been disconnected from an identified structure. In some instances, it may take 2-3 week before a service provider can disconnect a utility and issue a letter of disconnect. When 4-5 service providers are involved for one structure this process alone can burden the management process and slow the recovery effort. ROSTAN understands these challenges and is experienced in managing multiple processes simultaneously to expedite recovery efforts.

At the same time, a Right-of Entry (ROE) agreement signed by the owner or the owner's authorized agent is required for each project site on private property. Without this document municipalities and their representatives do not have legal authority to access the property. At times, these are easy to obtain and residents voluntarily submit them. In other times, residents have been displaced or even worse deceased, due the disaster. In instances where volunteered authority is not an option it is critical to have a consultant with experience in these matters. ROSTAN has this experience and has assisted in tracking down displaced residents and next of kin and developed paths forward whether it's through code enforcement and condemnation procedures or other alternatives.

ROSTAN has developed comprehensive project management solutions tailored specifically to past clients to help manage PPDR/ Demolition Programs and is committed to providing nothing less to the City. We can provide web-based tools that grant user-based access allowing for an efficiently management PPDR/Demolition program.

Some of the highlights from our PPDR/Demolition Module are as follows:





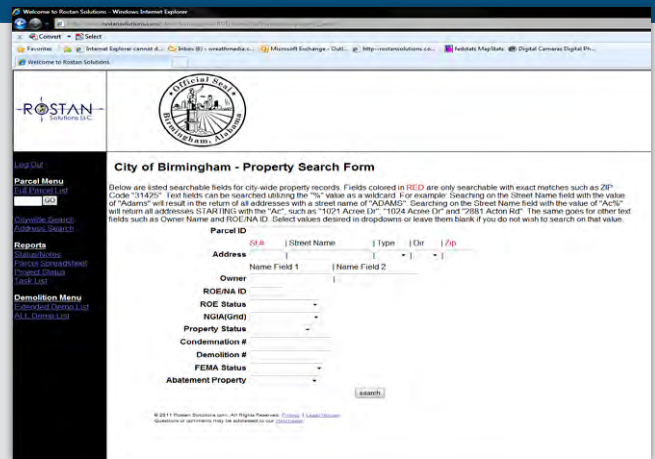
## USER-BASED LOGIN ACCESS

Access to data collected is restricted due to document sensitivity and privacy concerns. This data will be collected on behalf of the City and will be shared with verified stakeholders only upon approval by City officials. Furthermore, user roles can be restricted to read only disabling the ability of a user to change data.



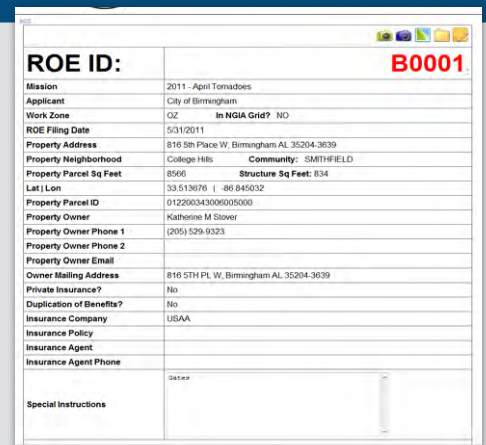
## DATA INTEGRATION

ROSTAN can integrate external data sets into its database. In this example, the client provided us with access to their parcel data. This enabled us to search their data set for property records through our interface. Field investigations confirmed whether work was required on the parcel and we were then able to create a record in our Module using the parcel data as the record base. This measure, though simple on the surface, saved countless hours of record searches and increased project efficiency.



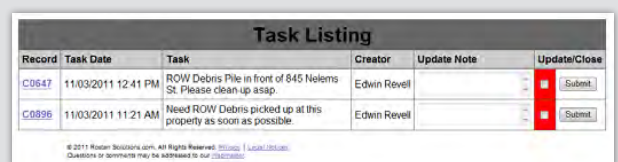
## SITE PROFILES

Field evaluations are responsible for identifying sites or potential sites that may require PPDR/Demolition work. When field data is collected, it is brought to a data manager or logistics coordinator and a profile for that site is created in our Module. The creation of a site profile creates a unique ID number and initiates a system of checkpoints. A checkpoint might be obtaining an ROE or uploading “before work” site photos. These profiles are regularly updated and trigger subsequent steps in the process. Once all pre-work requirements have been met the site profile will produce a “ready to proceed” indicator. When the physical PPDR/Demolition work is complete, the Site profile will be updated to include additional elements and provide a Site closeout checklist. Site profiles are the blueprint for each site and are integral to the recovery operation.



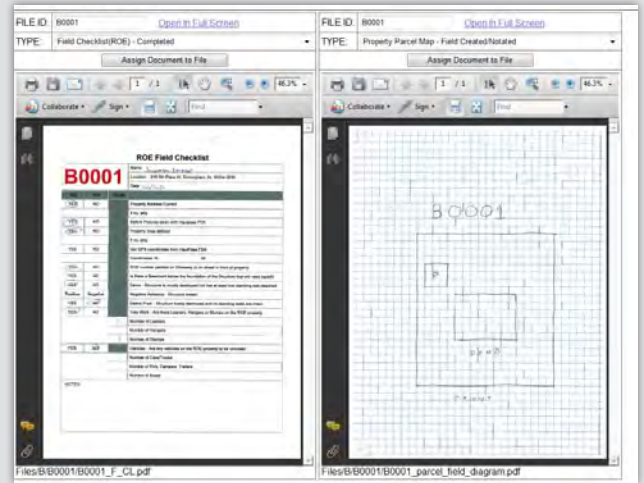
## TASKING

Tasking allows users, such as the City, to assign a task to a ROSTAN representative. A task might be simple like “Mr. Johnson has her insurance certificate but is unable to mail it. Can you send someone to retrieve it from 1324 West Apple Street please?” This feature allows users in-Module communication and reduces the use of external emails and other forms of communication resulting in increased operational continuity.



## DIGITAL RECORD KEEPING/FILE MANAGEMENT

Though paper records are necessary, we digitize as many aspects of the PPDR/Demolition process as possible. This means creating a digital record for each site and managing associated documents. Site specific digital records may include photographs, maps, load tickets, ROE forms, utility letters, occupancy notices, etc. These digital records are updated daily and mirror the field folder. In fact, we generally advise against using original documents in the field where possible. Should a hard copy need to be available at a given work location we recommend creating a duplicate paper record for field use only. Digitizing records allows multiple users to access the same file simultaneously and increases operational and logistical efficiency. At the end of the project ROSTAN will turn over all original documents and a digital record of each site to the City.



## EXPORTS/REPORTS

All data collected can be queried to provide reports and meet reporting requirements of the City. Typically, we generate a broad project status report and provide .CSV or Excel files for download. Experience has taught us that these data files are generally of the most use.

Right of Entry / Nuisance Abatement				
PROJECT STATUS REPORT				
November, 8 2011 11:06 AM				
Project Total	Total	B#	C#	D#
Total Properties:	1108	525	559	24
Properties Entering Program (1)	Total	B#	C#	D#
Property Detail Received:	1	1	0	0
Property Evaluation:	0	0	0	0
Site Photos Requested:	0	0	0	0
Site Photos Completed:	0	0	0	0
Site Photos Available:	0	0	0	0
Properties Starting/Started Work (8)	Total	B#	C#	D#
Approval to Proceed	0	0	0	0
Work Started:	0	0	0	0
Hold Work:	8	5	3	0
Properties Ready to Close (943)	Total	B#	C#	D#
Work Completed:	36	32	4	0
After Photos Available:	0	0	0	0
Demo Hold:	139	60	55	24
Property in File Review:	768	166	301	0
Properties Closed (0)	Total	B#	C#	D#
Property Closed:	0	0	0	0
Properties Currently Ineligible, Withdrawn or Outside NGIA (457)	Total	B#	C#	D#
Property Ineligible/Withdrawn:	307	111	196	0
Property Outside NGIA Grid:	150	150	0	0

## CONFIGURABILITY

Our PPDR/Demolition Module can be tailored to meet specific City needs. Whether it is added functionality like user configurable reports or a change as simple as where a link is on a page, we will make every effort to accommodate these requests.



## 3.4 AUTOMATED DEBRIS MANAGEMENT SYSTEM [ADMS]

### HAULPASS®: OUR UNIQUE DISASTER DEBRIS MANAGEMENT APPROACH



HaulPass® completely eliminates the need for paper (manual) load tickets during a debris removal mission. HaulPass® is the most tested, proven, paperless, and reimbursed ADMS in the industry. Through the use of mobile data capture technology and encrypted smart cards, HaulPass® establishes a secure data environment for collection and management of critical information that can be adapted to meet a variety of contract parameters. Data collected using HaulPass® is made available to stakeholders through a role-based secure web portal.

HaulPass® was validated by the US Army Corps of Engineers (USACE) in June 2008 and again in 2015 in response to ADMS requirements in USACE Advance Contract Initiative (ACI) Solicitations. HaulPass® was the only system to have been offered by respondents in all 11 Regions under the ACI program and the only ADMS to be validated by the USACE in 2008.

***Rostan is the exclusive provider of our proprietary HaulPass® ADMS – the most proven system in the industry. HaulPass® is so reliable and easy to use that Rostan has not utilized paper load tickets since 2008 – for any client, period.***

HaulPass® was developed with a primary focus on security and to combat the inefficiencies that plague a paper-based ticketing operation. With a focus on securely automating many of the necessary data collection aspects surrounding debris removal missions, HaulPass® was able to reduce errors and omissions, prevent fraudulent activity through a role-based modular application, and increase operational, reporting, and reimbursement efficiencies.

HaulPass® is modular data collection software that, when paired with properly specified hardware, enables end users to efficiently collect pertinent information necessary to support Project Worksheet (PW) development and ultimately enable reimbursement to occur expeditiously.

In general, HaulPass® performs in the following manner:

#### THE HAULPASS® PROCESS

The certification process includes the certification of personnel authorized to operate the HaulPass® system and the certification of hauling or debris removal equipment. The certification process enables the system to perform two primary ticketing functions. These functions are known as hauling tickets (e.g., ROW tickets) and task specific tickets (e.g., hazardous stumps, white goods, HHW, etc.). In each case, the certification process results in the issuance of encrypted smart cards that serve as the medium through which data is digitally collected and processed.

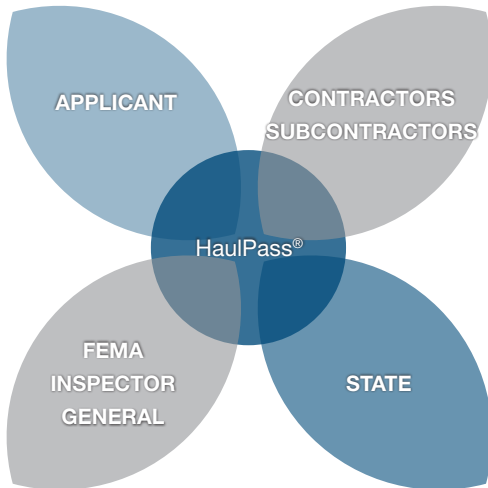
In the case of personnel certification, the smart cards are role-based, providing the user with access to only a specific module within the software application. This role-based access prohibits users from accessing modules that they are not properly trained to operate and reduces the opportunity for unscrupulous activity. The majority of users will be certified to conduct right-of-way and DMS monitoring activities since these are the two most common roles utilized in debris removal operations.

Data contained in these digital tickets is ultimately synchronized from the field through cellular networks or via satellite uplink if cellular networks are not available and stored on secure data servers where it can be accessed by all stakeholders. The overall system does not, however, rely on cellular coverage to operate.

We would be glad to conduct a demonstration for the City upon request.



## DATA ACCESSIBILITY



The HaulPass® Event Manager database is available via a secure internet portal (website) to all parties involved in the debris recovery process via a role-based security access system to provide concise and accurate presentation of the data collected in the field. This data repository allows the stakeholder to utilize a central and consistent data set that increases the efficiency of reporting, invoice reconciliation, and supports PW development.

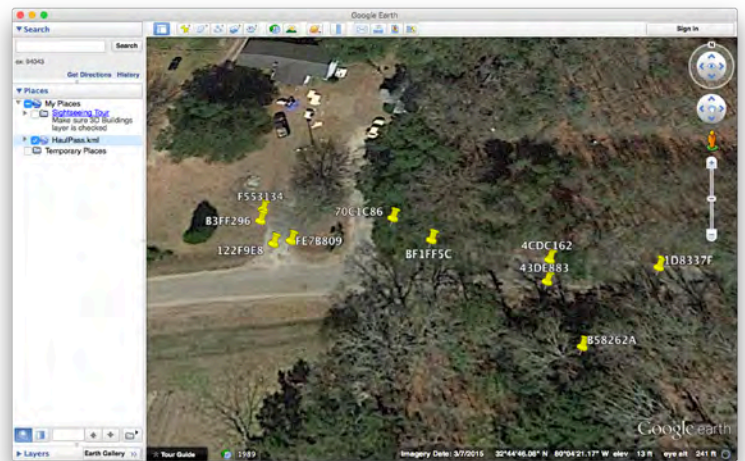
The HaulPass® Event Manager website is monitored and supported 24/7 by a development and database management team and is guaranteed by the hosting company to have 99.99% availability. The Rostan database management team is responsible for the quality control (QC) of all data that is collected. The data also can be exported easily in various formats to provide compatibility with other systems for various purposes. In addition, a data manager will be provided for each debris mission as a point of contact for any inquiries regarding data and reports.

Role-based access can be provided at the discretion of the City. For example, the data can be administered in a way that allows contractors, the City, and FEMA to have different levels of access to data collected.

## GPS/GIS TECHNOLOGIES

HaulPass® devices record the GPS coordinates of load origination at the time the ticket is initiated in the field. This process is automatic and does not require any manual data entry by the HaulPass® operator — a critical feature in that typically no street signage remains following a tornado event for example. This automatic process also eliminates data entry errors and handwriting legibility issues.

Once the GPS coordinates have been received on the server, the latitude and longitude values are compared against databases of known street address coordinates. Matches are scored and an address is assigned based on the highest-scoring match. This procedure gives the ticket a familiar location (typically a street address) in addition to the official point of origin (the GPS coordinates) to facilitate review of the data.



Event Manager also has a map-based GIS application. HaulPass® uses open-source MapGuide for this function. GIS provides the user with the ability to access load tickets, debris sites, contractors, field monitors, etc., on a geographic basis. For example, one layer in the GIS application presents all debris sites, another layer presents all load tickets, and a third layer is capable of displaying loads by contractor and subcontractor. Each of these layers has associated map-based and tabular reports to enable the user to make real-time decisions with respect to contractor deployments, completeness of debris pickup, DMS capacity limitations, haul distances, and more.





# HAULPASS® EQUIPMENT CERTIFICATION

HaulPass Certification (v3) - [Certification]

File Tools Help

Joplin Area Tornado\USACE - KC District

### Equipment

Type: Truck | Color: White | Insurance Carrier: Progressive Commercial  
 Year: 2009 | Make: GM | Model: | Policy Number: 10-593592-0 | Expires (MM/YY): 09/10  
 License Plate: OK RF 296A | VIN: | Save Equipment

**Certifications (Select One or Select New):** (New Certification)

Add Contractor: (Select One) | Placard #: **AC45678** | Alt. Placard #: | Cert. Picture: Main Picture  
 Contractors (Top is Primary, List is sub-contractors in order of parent/sub.) | Notes: Loader removable  
 National Debris Removal  
 Rogers of Oklahoma  
 Smith Tree Clearing  
 Remove Contractor | Search Contractors | Assign Photo | Remove Photo

Capacity Information (Decimal Feet)


Container Type: | Certified Capacity: 51.9 c.y. | Non-Measured Certification:  | Empty Weight: | Print Card - Step 1  
 Primary Measurement: Height 9.5 | Width 7.6 | Length(1) 19.4 | Total 51.9 c.y. | Issue Cert - Step 2  
 Tandem Certification |  Front |  Back | Reprint Placard  
 Modifications: | Save Cert.  
 Select | Addition | Deduction | Modification Type | Shape | Height | Width | Length (1) | Length (2) | Total | c.y. | Submit | Copy Cert.  

+/-	Shape	Type	Capacity	Length	Length (2)	Width	Height

 Delete


Additional Cert Images  
 Click Image to View Larger  
 Add...

Ready



## CERTIFICATION ORIGINAL COPY

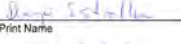
Sandy 2012\USACE - New York District  
 Date Certified: Sunday, Dec 30, 2012 10:15:19 AM (GMT) #71ac046-912b-4814-b48d-df205e90726

Certified Capacity <b>100.0cy</b>		HaulPass Cert # <b>6E80726</b>	Alternate Placard # <b>RIIS</b>
--------------------------------------	---	-----------------------------------	------------------------------------

<b>Equipment</b> Type: Trailer Year: 2012 Make: OTHER Model: EAST VIN: 1E1U2X285CRB47587 Plate: [NJ] TK5785 Color: Red	<b>Driver</b> SALVADOR, CORVERA Phone 1: (401) 855-5785 [Cell] Driver License State: RI 
<b>Contractors (Prime listed first)</b> ECC (377100A) Riccelli (00C7925)	<b>Measurements</b> Primary Measurement Rectangle [L*W*H/27] 7.8H 7.8W 44.4L = 100


**Signatures**

**Contractor Representative**  
  
 Print Name  
 Signature 12/30/2012  
 Date

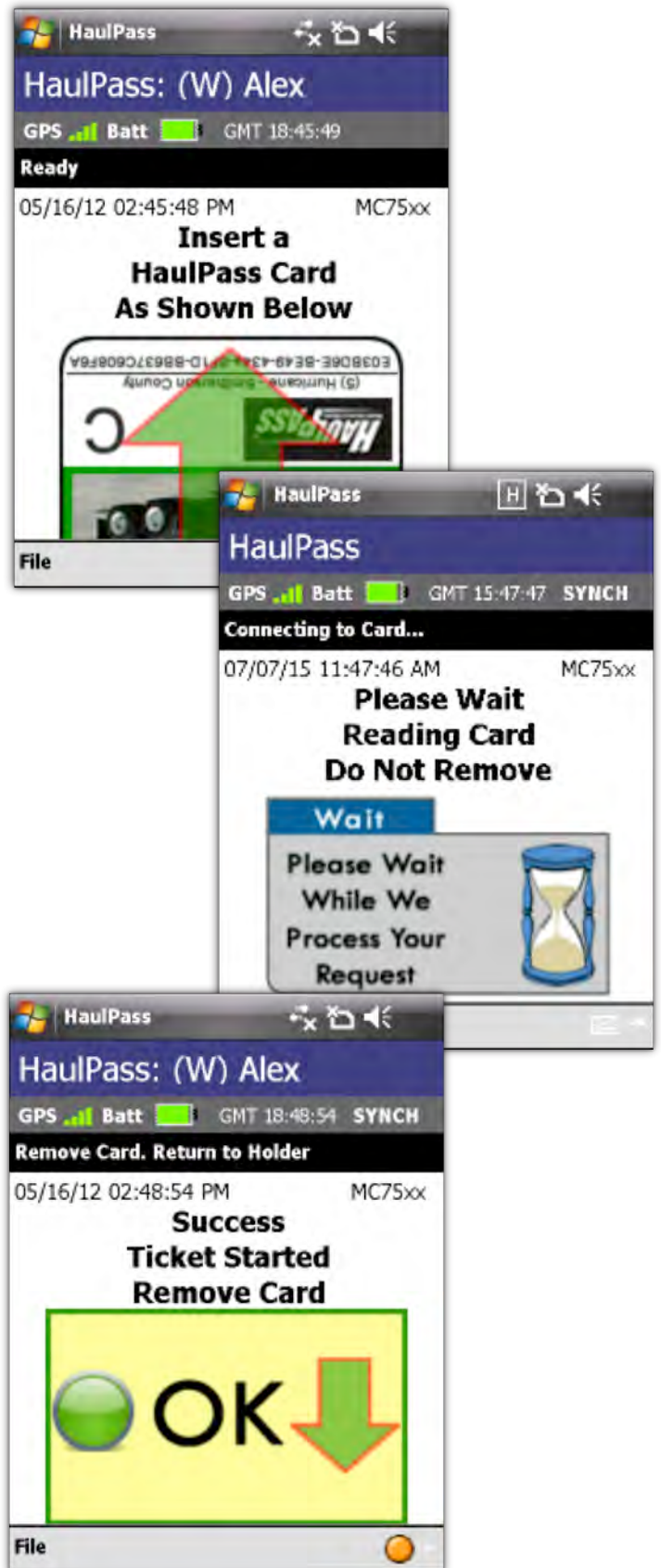
**Certification Representative**  
  
 Print Name  
 Signature 12/30/2012  
 Date

**Notes**

## HAULPASS® LOAD RECEIPT

<b>HAULPASS™</b>		<b>Charleston County, SC</b>	
		Hurricane Matthew - 2016	
www.haulpass.com			
<b>Ticket #</b>	<b>Cert #</b>	<b>Net Tons</b>	
<b>36C740D</b>	<b>EED2C3C</b>	<b>29.83</b>	
			
<b>Contractor Information</b>			
Certification #.....	EED2C3C		
Prime Contractor.....	ASHBRITT ENVIRONMENTAL		
Sub-Contractor.....	DORADO SERVICES INC		
<b>Load Information</b>			
QA Monitor.....	A2093A		
Ticket Type.....	ROW		
Debris Type.....	Mulch		
Latitude.....	032 49.3698' N		
Longitude.....	080 06.4339' W		
GMT Load Time.....	01/25/2017 21:06:57		
Local Load Time (-5).....	01/25/2017 04:06:57 PM		
<b>Unload Information</b>			
Site Name.....	CAROLINA LANDFILL		
Tower Name.....	FINAL MULCH		
Tower Monitor ID.....	CAE264		
GMT Tower Time.....	01/26/2017 12:47:52		
Local Tower Time (-5).....	01/26/2017 07:47:52 AM		
Net Tons.....	29.83		
Version: 3.5.0.160			
<b>APPLICANT COPY</b>			

## HAULPASS® ADMS SCREENSHOTS



## A PROVEN PRODUCT

The HaulPass® system is supported in the field by a tested and proven debris management team and has proven successful in multiple deployments:

EVENT TYPE	YEAR	LOCATION	PROJECT
<b>Hurricane Katrina</b>	2006	Hancock County, MS	USACE – Debris Removal
<b>Ice Storm</b>	2006	Erie County, NY	Stump Removal
<b>Post Hurricane Katrina</b>	2007	Cocodrie and Lafayette, LA	Waterway Debris Removal
<b>Hurricane Ike</b>	2008	Galveston, TX	USACE/TXDOT – Debris Removal
	2008	Humble, TX	Debris Removal
	2008	Piney Point, TX	Debris Removal
	2008	Nassau Bay, TX	Debris Removal
	2008	Vermillion Parrish	USACE – Debris Removal
	2008	Cameron Parrish	USACE – Debris Removal
<b>Earthquake</b>	2010	Port-au-Prince, Haiti	Demolition and Debris Removal
<b>Tornado</b>	2011	Birmingham, AL	Demolition and Debris Removal
<b>Tornado</b>	2011	Joplin, MO	USACE – Demolition and Debris Removal
<b>Hurricane Irene</b>	2011	James City County, VA	Debris Removal
	2011	York County, VA	Debris Removal
	2011	Williamsburg, VA	Debris Removal
<b>Hurricane Sandy</b>	2012	New York, NY	USACE – Demolition and Debris Removal
	2012	State of New Jersey	NJDEP – Waterway Debris Removal
	2012	Brick Township, NJ	Demolition, PPDR, and Debris Removal
	2012	20 municipalities in NJ	Debris Removal
	2014	Jenkins County, GA	Debris Removal
<b>Ice Storm</b>	2015	White County, TN	Debris Removal
	2015	Cumberland County, TN	Debris Removal
<b>Flooding</b>	2015	Charleston County, SC	Debris Removal
<b>Tornado</b>	2016	Essex County, VA	Debris Removal
<b>Flooding</b>	2016	Iberia Parish, LA	Debris Removal
<b>Hurricane Matthew</b>	2016	Charleston County, SC	Debris Removal
	2016	Berkeley County, SC	Debris Removal
	2016	Martin County, FL	Debris Removal
	2016	Garden City, GA	Debris Removal
	2016	Port St. Lucie, FL	Debris Removal
	2016	Town of Sewall's Point, FL	Debris Removal
<b>Hurricane Harvey</b>	2017	City of Kountze, TX	Debris Removal
	2017	City of Lumberton, TX	Debris Removal
	2017	City of Orange, TX	Debris Removal
	2017	City of Sour Lake, TX	Debris Removal
	2017	Hardin County, TX	Debris Removal
	2017	Village of Piney Point, TX	Debris Removal
	2017	Village of Rose Hill Acres, TX	Debris Removal
<b>Hurricane Irma</b>	2017	City of Belleair Beach, FL	Debris Removal
	2017	City of Belleair Bluffs, FL	Debris Removal
	2017	Broward County Public Schools, FL	Debris Removal
	2017	City of Coconut Creek, FL	Debris Removal
	2017	City of Coral Springs, FL	Debris Removal
	2017	Coral Springs Improvement District, FL	Debris Removal
	2017	City of Dania Beach, FL	Debris Removal
	2017	Village of Estero, FL	Debris Removal
	2017	New College of Florida, FL	Debris Removal
	2017	Town of Indian Shores, FL	Debris Removal
	2017	City of Madeira Beach, FL	Debris Removal
	2017	Martin County, FL	Debris Removal
	2017	City of North Port, FL	Debris Removal
	2017	Town of Palm Beach, FL	Debris Removal
	2017	City of Port St. Lucie, FL	Debris Removal
	2017	Town of Redington Shores, FL	Debris Removal
	2017	City of St. Pete Beach, FL	Debris Removal
	2017	Town of Sewall's Point, FL	Debris Removal
	2017	Sunshine Water Control District, FL	Debris Removal
	2017	Town of Windermere, FL	Debris Removal
	2017	City of Winter Springs, FL	Debris Removal
	2017	Tybee Island, GA	Debris Removal
2017	Charleston County, SC	Debris Removal	
<b>Hurricane Maria</b>	2017	Puerto Rico	USACE – Debris Removal

# 3.5 ADDITIONAL RELATED SERVICES

## ACCOUNTING AND DOCUMENT MANAGEMENT

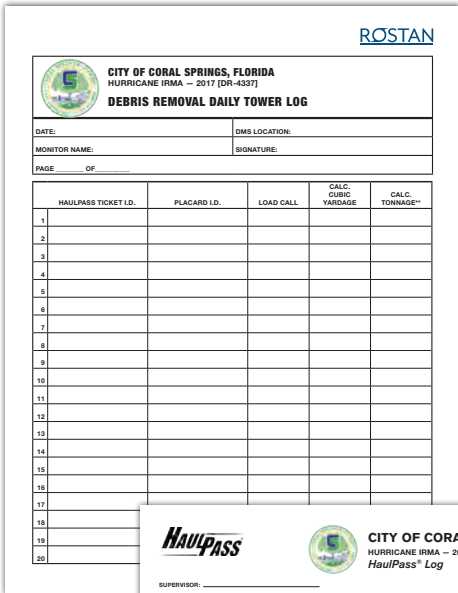
Rostan shall review, validate and reconcile debris management contractor(s) invoices prior to submission to the City for processing. Rostan shall conduct a meeting at the beginning of the debris management operation to fully explain the process to the City and debris contractor(s) representatives. All invoices from the debris contractor(s) shall be directed to Rostan. Within seven (7) calendar days of receipt, invoices shall be reviewed by Rostan to be accepted or rejected. Rostan shall issue in writing to the City and the debris contractor the acceptance or rejection of the invoices and a payment recommendation. If the invoice is rejected, Rostan shall clearly state the reasons for rejection and work with the debris contractor to resolve immediately.

Rostan will collect, audit for completeness and accuracy, tabulate, and organize debris monitoring information and data, vehicle certifications, project records, photos, manifests, and other pertinent project information, to support FEMA, state and local reimbursements, and in support of subsequent audits.

Rostan will provide regular status updates to the City, to include creating, updating and maintaining a database that contains all information on debris removal and disposal, including number, of loads and types, vehicle certification, stump, hanger and leaner information and images. All electronic reporting will be provided in a format acceptable to the City and the City shall have access to the database to perform queries and produce reports. Rostan shall provide our reports in a timely manner as may be requested by the City.

Following is sample documentation:

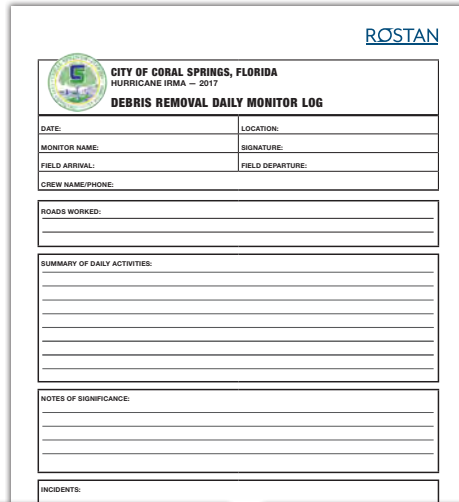
### ROSTAN FIELD LOGS



**ROSTAN**  
CITY OF CORAL SPRINGS, FLORIDA  
HURRICANE IRMA - 2017 [DR-4337]  
**DEBRIS REMOVAL DAILY TOWER LOG**

DATE: \_\_\_\_\_ DMS LOCATION: \_\_\_\_\_  
MONITOR NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_  
PAGE: \_\_\_\_\_ OF \_\_\_\_\_

	HAULPASS TICKET I.D.	PLACARD I.D.	LOAD CALL	CALC. CUBIC YARDAGE	CALC. TONNAGE**
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					



**ROSTAN**  
CITY OF CORAL SPRINGS, FLORIDA  
HURRICANE IRMA - 2017  
**DEBRIS REMOVAL DAILY MONITOR LOG**

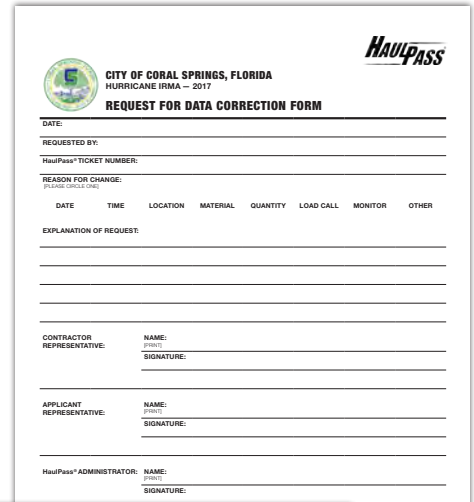
DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_  
MONITOR NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_  
FIELD ARRIVAL: \_\_\_\_\_ FIELD DEPARTURE: \_\_\_\_\_  
CREW NAME/PHONE: \_\_\_\_\_

ROADS WORKED: \_\_\_\_\_

SUMMARY OF DAILY ACTIVITIES: \_\_\_\_\_

NOTES OF SIGNIFICANCE: \_\_\_\_\_

INCIDENTS: \_\_\_\_\_



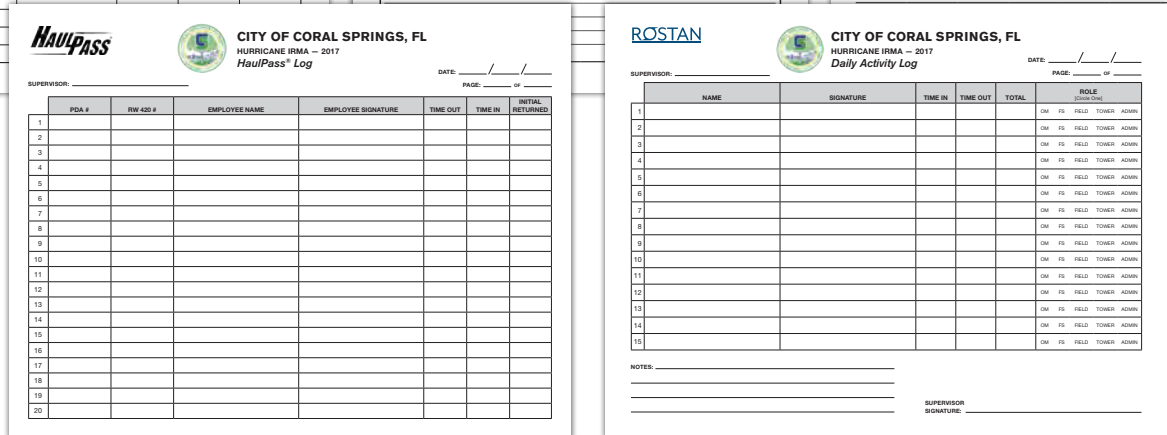
**HaulPass**  
CITY OF CORAL SPRINGS, FLORIDA  
HURRICANE IRMA - 2017  
**REQUEST FOR DATA CORRECTION FORM**

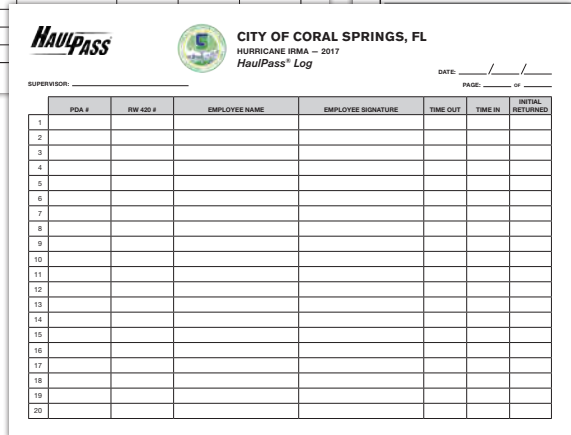
DATE: \_\_\_\_\_  
REQUESTED BY: \_\_\_\_\_  
HaulPass® TICKET NUMBER: \_\_\_\_\_  
REASON FOR CHANGE: \_\_\_\_\_  
(PLEASE CHECK ONE)

DATE	TIME	LOCATION	MATERIAL	QUANTITY	LOAD CALL	MONITOR	OTHER

EXPLANATION OF REQUEST: \_\_\_\_\_

CONTRACTOR REPRESENTATIVE: NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_  
APPLICANT REPRESENTATIVE: NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_  
HaulPass® ADMINISTRATOR: NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_

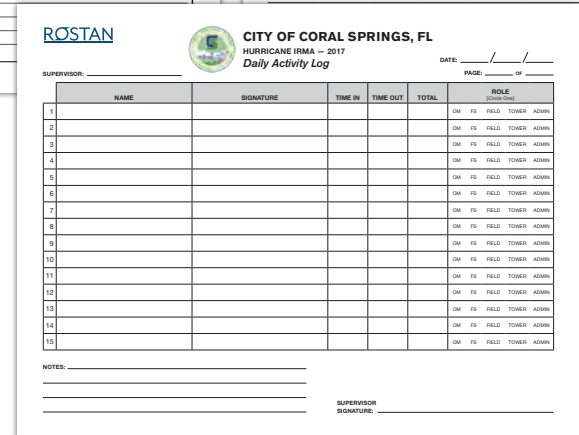




**HaulPass**  
CITY OF CORAL SPRINGS, FL  
HURRICANE IRMA - 2017  
**HaulPass® Log**

SUPERVISOR: \_\_\_\_\_ DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_  
PAGE: \_\_\_\_\_ OF \_\_\_\_\_

	PDA #	RW 420 #	EMPLOYEE NAME	EMPLOYEE SIGNATURE	TIME OUT	TIME IN	INITIAL RETURNED
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							



**ROSTAN**  
CITY OF CORAL SPRINGS, FL  
HURRICANE IRMA - 2017  
**Daily Activity Log**

SUPERVISOR: \_\_\_\_\_ DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_  
PAGE: \_\_\_\_\_ OF \_\_\_\_\_

	NAME	SIGNATURE	TIME IN	TIME OUT	TOTAL	ROLE IDENTIFICATION
1						DM FS FIELD TOWER ADMIN
2						DM FS FIELD TOWER ADMIN
3						DM FS FIELD TOWER ADMIN
4						DM FS FIELD TOWER ADMIN
5						DM FS FIELD TOWER ADMIN
6						DM FS FIELD TOWER ADMIN
7						DM FS FIELD TOWER ADMIN
8						DM FS FIELD TOWER ADMIN
9						DM FS FIELD TOWER ADMIN
10						DM FS FIELD TOWER ADMIN
11						DM FS FIELD TOWER ADMIN
12						DM FS FIELD TOWER ADMIN
13						DM FS FIELD TOWER ADMIN
14						DM FS FIELD TOWER ADMIN
15						DM FS FIELD TOWER ADMIN

NOTES: \_\_\_\_\_

SUPERVISOR SIGNATURE: \_\_\_\_\_

ROSTAN SOLUTIONS, LLC | DOCUMENT COPY | 73 | RFP NO. PWWM-180069-DH | CITY OF GAINESVILLE, FLORIDA



# ROSTAN DAILY OPERATIONAL REPORT



## CHARLESTON COUNTY, SC Debris Management Daily Report

NOVEMBER 30, 2016

HURRICANE MATTHEW 2016 | DR-428

79° F



1,726.0 CY

40

48

TODAY'S WEATHER

TODAY'S VOLUME

TODAY'S LOADS

DAY OF OPERATIONS

### DAILY ACTIVITY SUMMARY

Debris removal operations resumed at 0615 this morning and concluded at approximately 1800. AshBritt Environmental (AshBritt) provided 10 debris removal trucks, one bucket truck, and 15 trucks dedicated to mulch haul-out. One new debris removal truck was certified but did not operate. In total, there were 26 trucks involved in the operation. Trucks that operated were responsible for removing and properly disposing of vegetative debris from County-authorized Rights-of-Way (ROWs) and select staging locations as well as hauling mulch from Charleston County Landfill to International Paper.

Each AshBritt crew was accompanied by a Rostan Solutions (Rostan) representative ensuring that debris was removed from eligible locations along municipal ROWs. 27 total AshBritt trucks were certified and operable at the close of operations.

Grinding operations continued at Charleston County Landfill only.

### INCIDENTS

There were no new incidents to report.

### HAULER CREWS

AshBritt had 10 trucks available to remove hurricane debris from the ROW and select staging locations throughout the County. Debris removed from ROW locations consisted of vegetation only. One bucket truck was utilized to remove leaners and hangers from the ROW. 15 trucks were involved in the mulch haul-out portion of the operation.

### MONITORING

- 16 FIELD MONITORS
- 3 TOWER MONITORS
- 3 FIELD SUPERVISORS
- 1 MANAGER



### CHARLESTON COUNTY LOCATIONS

This section includes a summary of roads worked by zone.

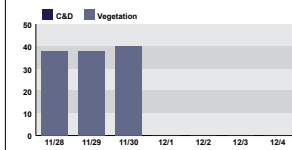
AD1: ADAMS RUN	
HIGHWAY 174	
ED1: EDISTO	
PETERS POINT RD	
JO2: JOHNS ISLAND	
CASTLEWICK AV	SOUTHWICK DR
KESWICK DR	TRAYWICK AV
JO3: JOHNS ISLAND	
BERRYHILL RD	
OS1: OSBORN	
COUNTY LINE RD	
WAD1: WADMALAW	
MARTINS POINT RD	MAYBANK HWY
WAD2: WADMALAW	
ANCHORAGE PLANTATION RD	SLIM RD

MUNICIPALITY	LOADS TODAY	TOTAL LOADS	CUBIC YARDS TODAY	TOTAL CUBIC YARDS
CHARLESTON COUNTY	40	1,908	1,726.00	69,037.64
CITY OF CHARLESTON	0	2,719	0.00	96,815.79
ISLE OF PALMS	0	249	0.00	11,533.60
SULLIVAN'S ISLAND	0	142	0.00	2,635.20
MT. PLEASANT	0	2,187	0.00	131,451.30
FOLLY BEACH	0	266	0.00	11,638.50
HOLLYWOOD	0	92	0.00	3,434.50
JAMES ISLAND	0	685	0.00	32,823.46
	0	17	0.00	753.20
	0	180	0.00	10,194.50
	0	74	0.00	3,678.00

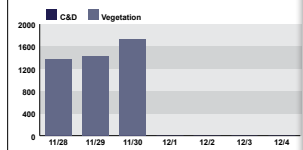
Rostan Solutions LLC



LOADS DAILY TOTALS | WEEK OF NOVEMBER 28, 2016



CUBIC YARDS DAILY TOTALS | WEEK OF NOVEMBER 28, 2016



DEBRIS REMOVAL SUMMARY BY DISPOSAL LOCATION — VOLUME

DEBRIS TYPE	LOADS TODAY	TOTAL LOADS	DEBRIS ACCEPTED TODAY [CUBIC YARDS]	DEBRIS ACCEPTED TOTAL [CUBIC YARDS]
<b>CHARLESTON COUNTY LANDFILL</b>				
C&D	0	8	0.00	314.80
VEGETATION	24	4,644	1,014.60	181,595.14
CHARLESTON COUNTY FORCE ACCT. [VEG]	0	319	0.00	4,348.45
<b>CHARLESTON COUNTY LANDFILL TOTALS</b>	<b>24</b>	<b>4,971</b>	<b>1,014.60</b>	<b>186,258.39</b>
<b>RIFLE RANGE DMS</b>				
C&D	0	0	0.00	0.00
VEGETATION	0	10	0.00	445.30
<b>RIFLE RANGE DMS TOTALS</b>	<b>0</b>	<b>10</b>	<b>0.00</b>	<b>445.30</b>
<b>MT. PLEASANT TRANSFER STATION</b>				
C&D	0	0	0.00	0.00
VEGETATION	0	374	0.00	17,850.70
<b>MT. PLEASANT TRANSFER STATION TOTALS</b>	<b>0</b>	<b>374</b>	<b>0.00</b>	<b>17,850.70</b>
<b>PINE LANDING ROAD DMS</b>				
C&D	0	0	0.00	0.00
VEGETATION	16	236	711.40	10,018.30
CHARLESTON COUNTY FORCE ACCT. [VEG]	0	275	0.00	5,193.30
<b>PINE LANDING ROAD DMS TOTALS</b>	<b>16</b>	<b>511</b>	<b>711.40</b>	<b>15,211.60</b>
<b>SEEWEE ROAD DMS</b>				
C&D	0	0	0.00	0.00
VEGETATION	0	2,480	0.00	150,226.10
CHARLESTON COUNTY FORCE ACCT. [VEG]	0	155	0.00	2,329.60
<b>SEEWEE ROAD DMS TOTALS</b>	<b>0</b>	<b>2,635</b>	<b>0.00</b>	<b>152,555.70</b>
<b>CAROLINA WASTE TRANSFER STATION</b>				
C&D	0	85	0.00	2,818.40
VEGETATION	0	0	0.00	0.00
<b>CAROLINA WASTE TRANSFER STATION TOTALS</b>	<b>0</b>	<b>85</b>	<b>0.00</b>	<b>2,818.40</b>
<b>PROJECT TOTALS</b>	<b>40</b>	<b>8,586</b>	<b>1,726.00</b>	<b>375,140.09</b>

\*\*\* All data represented in this summary is subject to audit of HaulPass® database, field logs, etc., and should be considered an operational summary only.

### MULCH HAULOUT — FINAL DISPOSAL

DEBRIS TYPE	LOADS TODAY	TOTAL LOADS	FINAL DISPOSAL TODAY [TONS]	FINAL DISPOSAL TOTAL [TONS]
INTERNATIONAL PAPER				
MULCH	38	228	868.76	4,979.36
<b>PROJECT TOTALS</b>	<b>38</b>	<b>228</b>	<b>868.76</b>	<b>4,979.36</b>

### DECEMBER 1, 2016—OPERATIONS PLAN

Debris removal operations will commence at approximately 0615 and conclude at approximately 1800. AshBritt crews will muster with Rostan personnel at Charleston County Landfill prior to departing for field locations. It is anticipated that AshBritt will have 12 trucks dedicated to ROW debris removal. Additionally, it is anticipated that three crews dedicated to tree work will operate tomorrow. Rostan will prepare to certify additional trucks if necessary.

AshBritt will continue reducing vegetative debris through grinding at Charleston County Landfill. Mulch haul-out from Charleston County Landfill will continue with 18 trucks dedicated to this effort.

Rostan will staff in accordance with these expectations to ensure proper coverage with each crew, at Charleston County Landfill, the Pine Landing DMS, International Paper, and the truck certification site. Each debris removal crew will be tasked with removing hurricane debris from County-authorized ROWs and select staging locations.

### ANTICIPATED AREAS OF OPERATION

ED1	WAD1
ED2	WAD2
JO3	N1
JO4	

### LEANER/HANGER SUMMARY

DEBRIS TYPE	TODAY	TOTAL
LEANERS	8	8
HANGERS	50	50
<b>TOTALS</b>	<b>58</b>	<b>58</b>



\*\*\* All data represented in this summary is subject to audit of HaulPass® database, field logs, etc., and should be considered an operational summary only.

Rostan's reports are customized based on each client's specific needs.

# ROSTAN DMS CLOSURE REPORT



## WHITE COUNTY, TN Debris Management Site [DMS] Report

2015 ICE STORM

### DANSON DMS

**ADDRESS**  
3536 Old Bon Air Road  
Sparta, TN 38583

**GPS LOCATION**  
N 35.92967 - W 85.35422

**TAX MAP**  
White Co. Tax Map 051  
Parcel 064.00

### DANSON DMS ACTIVITY SUMMARY

A Tennessee Department of Environment and Conservation (TDEC) approval letter was issued on May 5, 2015 allowing for the consolidation, temporary storage, and open burning of vegetative debris resulting from the February 21, 2015 ice storm at DANSON DMS. Onsite operations commenced May 7, 2015. The final day of right-of-way debris hauling into DANSON DMS was July 22, 2015. Operations at DANSON DMS ceased on July 31, 2015.

### OPERATIONS SCHEDULE

In general, operations at DANSON DMS occurred on a 7-day per week schedule, 0700 – 1900 hours.

### DEBRIS TOTALS

A grand total of 2,637 truckloads of vegetative debris were brought into DANSON DMS, totaling 118,530.89 cubic yards of debris.

### FINAL DISPOSITION

Vegetative debris at DANSON DMS was reduced to ash by open burning. The resulting 69.36 tons of ash was hauled to the WHITE COUNTY LANDFILL for final disposition.

### EXHIBITS

- Exhibit A** Aerial Parcel Map 2
- Exhibit B** TDEC Approval Letter 3
- Exhibit C** TN Division of Forestry Burn Permit 5
- Exhibit D** White County Landfill Registration 6
- Exhibit E** Site Photos 7
- Exhibit F** HaulPass® Load Tickets 9
- Exhibit G** Landfill Scale Receipts 64

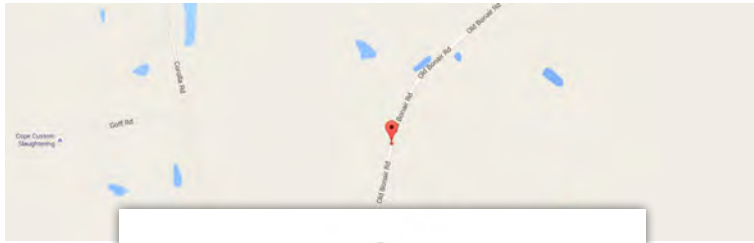
WT	TON	CLASS 3	WGT	WGT	WGT	WGT
13.09			40.000	0.00	0.00	0.00


OPERATING HOURS MON-FRI 7:00 TUES & THURS 7:30 SAT 7:0

JOB FEMA BURNED ASHES  
Name HOOSE

WT	TON	CLASS 3	WGT	WGT	WGT	WGT
13.11			40.000	0.00	0.00	0.00

JOB FEMA BURNED ASHES  
Name HOOSE



  
**STATE OF TENNESSEE**  
**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**COOKEVILLE ENVIRONMENTAL FIELD OFFICE**  
 1221 SOUTH WILLOW AVENUE  
 COOKEVILLE, TENNESSEE 38506  
 Phone (931) 432-4015 STATEWIDE 1-888-991-8332 FAX (931) 432-6952

May 5, 2015

Shirley Britton  
AAA General Contractors, Inc.  
PO Box 904  
Alexander City, AL 35011

Reference: White County Storm Debris Disposal Site located on the Hal Danson property on Old Bon Air Road

Dear Ms. Britton:

Please let this letter serve as response that the Division of Air Pollution Control (APC), based upon the information provided, concurs that the Hal Danson property on Old Bon Air Road meets the State's APC guidelines for open burning of vegetative storm debris resulting from the recent ice storms in White County. However, please note that you must make a reasonable effort to remove all expressly prohibited material from any structural remains before ignition.

Below are some pertinent excerpts from the Tennessee Air Pollution Control open burning regulations:

1200-3-4-.03 OPEN BURNING PROHIBITED.

(1) No person shall cause, suffer, allow, or permit open burning except as specifically exempted by Rule 1200-3-4-.04 EXCEPTIONS TO PROHIBITION.

(4) The open burning of tires and other rubber products, vinyl shingles and siding, other plastics, asphalt shingles and other asphalt roofing materials, and/or asbestos containing materials is expressly prohibited, and such materials shall not be included in any open burning conducted under the provisions of Rule 1200-3-4-.04 EXCEPTIONS TO PROHIBITION.

1200-3-4-.04 EXCEPTIONS TO PROHIBITION.

(1) Open burning, as listed below, may be conducted subject to specified limitations. This grant of exception shall in no way relieve the person responsible for such burning from the consequences, damages, injuries, or claims resulting from such burning.

Exhibit B: TDEC Approval Letter - 3 -

ROSTAN Solutions LLC

**DANSON DMS: POST-ACTIVITY SITE CONDITIONS**



Exhibit D: Site Photos - 8 -

# DAMAGE COMPLAINT TRACKING

During debris operations some property damage may occur while debris removal takes place. Rostan will coordinate with City personnel to respond to problems in the field associated with any property damage claims resulting from the debris removal process, and establish procedures for claims reporting and management of claims resolution. Rostan establishes contact with the resident and debris contractor to ensure timely resolution of these incidents.

We visit and document the damaged property and populate a database for claims tracking which provides for documentation of the actions taken to resolve the claim. This database includes photographs with GPS coordinates, GIS mapping, photos, and digital logs of resident concerns. Rostan follows up with the resident to make sure communications are clear between all parties. Rostan also provides follow up phone calls or site inspections to confirm the claim has been resolved.

**Update Incident**  
 Date of Complaint: 11/05/2005 SWA ID: 2006-000000720  
 First Name: MICHAEL Last Name: MCCARTHY  
 Street: 18370 S 102ND WAY City: BOCA RATON St: FL Zip: 33408  
 District: 7  
 Phone: (561)482-1004  
 Number: SURBLEIST  
 Incident Does Not Require SWA Intervention  
**Complaint:**  
 A RESPONSE TO THIS MUST BE FAXED BACK TO SWA WITHIN 24 HOURS A RESPONSE TO THIS MUST BE FAXED BACK TO SWA WITHIN 24 HOURS. CUSTOMER STATES STORM DEBRIS HADLEN IS BLOCKING HIS DRIVE TO BLAKE DRIVE FROM THE SOUTH SIDE. THEY HAVE DAMAGED HIS GRASS AND DRIVEWHEELS. DEBRIS TO BE REMOVED AND TELL HADLEN TO MOVE OFF HIS PROPERTY. \*\*NOVA IMAGE\*\*  
**Previous Updates:**  
 1 - Initial Site Visit Diary - 11/22/2005 @ 6:32 AM  
 11/16/05 - Site of issue observed. No significant damage observed.  
 2 - Follow Up Diary - 11/22/2005 @ 9:35 AM  
 11/17/05 - FALLEN TO REAR END OF DRIVE. DAMAGE TO REARWHEEL APPROX 18 INCHES DEEP. CALLED F. HADLEN TO REMOVE DEBRIS AND ADDRESS.  
 3 - Incident Closed Diary - 02/13/2006 @ 9:51 AM  
 Release received on 02/13/06. Signed by field emp. but not customer. Release correspondence with owner has been prepared. Copy of claim for clearing also submitted.

**Incident Image Report**  
 Date of Complaint: 12/16/2005 SWA ID: 2006-000001147  
 First Name: KARL Last Name: HARTMAN  
 Street: 2895 PALMARTA ROAD City: WEST PALM BEACH St: FL Zip: 33406  
 District: 1 Phone: (561)985-6187  
 Number: PHILLIPS & JORDAN  
 Incident Does Not Require SWA Intervention  
**Complaint:** THIS STORM DEBRIS HADLEN DAMAGED THE SWALE BETWEEN THE FENCE AND THE ROAD--DEEP RUTS AND HOLES, FENCE BENT, ABOUT 100'-CUSTOMER WANTS IT REPAIRED

Rostan is pleased to provide our interactive online damage complaint tracking and resolution system which tracks all complaints, including details of damages and photos of damaged property and/or areas, to ensure that each complaint is resolved expeditiously.



## 3.6 PUBLIC ASSISTANCE CONSULTING

Rostan has assisted numerous communities with post incident operations and has provided assistance with FEMA and FHWA reimbursement and appeals following natural disasters. Our disaster consulting and grants funding clients include:

<b>ALABAMA</b>	<b>NEW JERSEY [CONTINUED]</b>
The City of Birmingham	Borough of Highlands
Jefferson County	Manchester Utilities Authority
Chickasaw	<b>NEW YORK</b>
<b>FLORIDA</b>	Westchester County
Fort Pierce	New York City Dept. of Environmental Protection
City of St. Petersburg	Nassau County Department of Public Works– Bay Park Sewage Treatment Plant
Emerald Cost Utilities Authority (Pensacola)	City of Kingston
Indian River County (Vero Beach)	<b>SOUTH CAROLINA</b>
Calhoun County	Charleston County
Columbia County	<b>TENNESSEE</b>
Liberty County	Metropolitan Government of Nashville and Davidson County, Metro Water Services (Nashville)
Florida Division of Emergency Management Mitigation Bureau	Cumberland County
Hillsborough County	<b>TEXAS</b>
City of Daytona Beach	Texas City Independent School District
<b>GEORGIA</b>	Huffman Independent School District
City of Garden City	Little Cypress-Mauriceville Consolidated Independent School District
<b>LOUISIANA</b>	Corpus Christi Independent School District
Baker School System	Community Christian School
<b>MISSISSIPPI</b>	United Christian Academy
Jackson County Board of Supervisors	<b>VIRGINIA</b>
<b>NEW JERSEY</b>	Prince William County Service Authority
Bergen County Utilities Authority	
Township of Brick	
Ocean County Utilities Authority (Brick Township)	

Rostan has extensive experience with short-term and long-term recovery of Public Infrastructure. We provide a cradle to grave approach to ensure that every eligible cost is captured and reimbursed by the federal programs.

We have developed systematic processes for implementing program support for Public Assistance. This approach has been developed through multiple post-incident long-term recovery and mitigation efforts for declared disasters throughout the U.S., including Hurricanes Katrina and Sandy, as well as the support of state-wide Florida Mitigation Programs for almost a decade.

Rostan includes experts in long-term recovery and mitigation planning, infrastructure, federal assistance programs, environmental and historic preservation, and hazard modeling, in addition to unique and cutting edge technical resources. The Team encompasses the expertise necessary to deliver effective solutions for critical infrastructure. Our approach combines team expertise with a trained national footprint of skilled professionals to ensure the best solution.

Rostan uses local qualified resources, supplemented by regional and national expertise, to minimize travel costs and maximize efficient use of local and regional knowledge of state and local regulatory, environmental, facility, historic and cultural characteristics pertinent to the assignment. We will provide expertise and guidance in the development of strategy and execution of recovery activities.



## PUBLIC ASSISTANCE (PA) FUNDING SUPPORT

As an integral part of disaster management consulting, Rostan has provided financial consulting services to its clients. Our proven experience with technical disaster recovery and strategy development and implementation maximizes disaster assistance for clients. We understand the dynamics of disaster recovery financial planning, resource allocation, as well as the need for financial stability. We have extensive experience in representing clients' costs to federal agencies and throughout the life cycle of disaster management, including reimbursements and quarterly reporting requirements and project closeout. Our staff have coordinated state and federal audit resolutions as well as handled appeals processes for our clients.

The federal programs administered by FEMA require that their representatives create and submit the sub-grant submittals for local applicants. Rostan can draft sub-grant narratives and documentation to be provided to FEMA representatives. The following outlines actions that may be taken in pursuit of FEMA funding:

Identify costs incurred during the response.

Organize all actual cost documentation into site specific activities and FEMA PA categories of work.

Develop damage descriptions and scopes of work for each category and emergency repair site.

Compile the damage descriptions, emergency repairs scopes of work and actual cost documentation into sub-grant submittal drafts to be provided to FEMA.

Organize all actual cost documentation, descriptions of impacts and scopes of work for the emergency protective measures and debris removal conducted. These will be provided to FEMA for inclusion in the development of Category A and B Project Worksheets (PWs).

As FEMA develops the PWs, Rostan can provide any information or conduct coordination meetings as required by those representatives to complete the process.

Rostan can develop scopes of work for each damaged facility to restore those facilities back to pre-incident conditions. The development of the permanent restoration projects will include the following:

- Description of pre-existing conditions
- Narrative of the impacts of the incident
- Vulnerabilities identified through the impacts
- Scope of Work; Codes and Standards upgrades
- Mitigation proposal and scope of work
- Cost estimates for restoration and mitigation
- Plan for use of contractors account; schedules
- Benefit Cost Analysis (as necessary)

Develop packaged sub-grant submittal drafts for review and City submittal to FEMA.

FEMA can use these sub-grant submittal drafts to develop the PA PWs. As federal agency representatives develop the PWs, Rostan can provide any additional information or conduct site visits as required by those representatives to complete the process.

Regardless of the funding agency, we work diligently to minimize costs so that our clients receive the maximum reimbursement possible. Collectively, our team has assisted clients in pursuit of more than \$3 billion in federal assistance in recent years.

## ALTERNATIVE PROCEDURES

Rostan is familiar with management of FEMA Public Assistance and Hazard Mitigation projects funded under the Alternative Procedures Pilot implemented through the Hurricane Sandy Improvement Act. This makes Rostan the best choice for ensuring that all opportunities for federal assistance are sought and every eligible dollar is reimbursed.

With the implementation of the Alternative Procedures Pilot, it has become more critical than ever that a sub-grant recipient of FEMA funding be disciplined and cognizant of the procedures for administration and reimbursement. States (Grantee) are not always equipped to advocate for local sub-grant recipients, therefore, tasks of documenting and fulfilling administrative requirements must be managed at the local level.

Rostan has developed a proven method for accounting for and correlating costs to federal grants for a swift and audit resilient reimbursement. This approach defines a program management strategy with standard operating procedures, communication protocols and oversight, such that our clients are several steps ahead of the state and FEMA. We are very familiar with negative financial and program audit findings that plague FEMA programs. Our approach will anticipate those issues before they can threaten funding, resulting in a successful recovery process.

## HAZARD ANALYSIS AND VULNERABILITY ASSESSMENTS

Rostan has performed numerous “threat specific” and “all hazards” vulnerability assessments for utilities, communities and industries nationwide. We have provided systematic analysis for our clients in identifying critical assets and operations, hazard exposure and/or threat potential and the consequence impacts of losing these assets and operational capacity.

## TECHNOLOGY

Rostan has access to national networks, robust software suites, and customized data systems. We maintain project and accounting software that enables us to track projects, contract, labor and other data that is required by, or of interest to, FEMA.

We consistently utilize the most currently available tools and technologies and are an industry leader in setting the bar for data tagging, tracking and management in near real time. Our project management systems have the capability to be tailored to meet unique project management needs and grant program requirements. Our systems have the ability to track workflow and project progress throughout the life-cycle of the grant. Rostan offers leading edge tools and techniques, as well as the capability to use existing FEMA tools, in order to ensure efficient and successful recovery. Our team is very familiar with the state’s existing emergency management grants database, and has hands-on experience with the use of the emergency management grants databases in FL, CO, AL, NJ, NY, TN, GA, LA, and SC.

These tools for field evaluations and for the gathering of data necessary for project worksheet development allows for the on-site and remote collection of recommended and required data, geographically tagged data, photographic documentation, document scanning, and staff time and location monitoring all from an easy to transport tablet smaller than a sheet of paper. The use of these tools greatly expedites information gathering and accurate reporting to assist with needs assessment and ensuring the timely processing of information and funding requests. Data can be viewed, sorted, and managed via a secure program website, which offers role-based security and robust reporting capabilities.

Benefits of these tools include:

Increased accuracy and efficiency when compared to traditional data collection tools
Reduced paperwork
High level of quality control
GPS and photo integration
Time savings
Monitoring of consultant activities and time
Integration with a web-based program management system



# DISASTER DEBRIS MONITORING



RFP No. PWWM-180069-DH | May 8, 2018



## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA

### SECTION 4 – REFERENCES



#### SUBMITTED BY

**ROSTAN SOLUTIONS, LLC**  
3433 Lithia Pinecrest Road  
Suite 287  
Valrico, Florida 33596  
Email: [srosania@rostan.com](mailto:srosania@rostan.com)  
Tel: 813.505.313  
Fax: 813.333.7330  
[www.rostan.com](http://www.rostan.com)



## REFERENCES

The Rostan team has extensive experience providing emergency management consulting services to federal, state and local governments. We believe in remaining involved with our clients until the recovery process is complete. We have many long-term client relationships, and we are humbled by and proud of our references. Provided below are references for relevant projects.

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE IRMA – 175,000 CY

#### MARTIN COUNTY, FLORIDA



#### MARTIN COUNTY ENGINEERING DEPARTMENT

James Gorton  
Field Operations & Stormwater Manager  
2151 SE Aviation Way  
Stuart, FL 34996  
772-219-4905 office  
jgorton@gmail.com

#### PROJECT START:

2017

#### PROJECT END:

2017

#### CONTRACT VALUE:

\$700,000

### DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE IRMA – 300,000 CY

#### CITY OF CORAL SPRINGS, FLORIDA



#### PUBLIC WORKS ADMINISTRATION

Rich Michaud  
Director of Public Works  
9500 W. Sample Rd.  
Coral Springs, FL 33065  
954-344-1165 office  
rmichaud@coralsprings.org

#### PROJECT START:

2017

#### PROJECT END:

2017

#### CONTRACT VALUE:

\$1,000,000

### PUBLIC ASSISTANCE, GRANTS FUNDING, AND DEBRIS MANAGEMENT SERVICES HURRICANE IRMA – 48,000 CY

#### CITY OF NORTH PORT, FLORIDA



#### DEPARTMENT OF PUBLIC WORKS

Monica Bramble  
Assistant Public Works Director  
1100 N. Chamberlain Blvd.  
North Port, FL 34286  
941-240-8060 office  
mbramble@cityofnorthport.com

#### PROJECT START:

2017

#### PROJECT END:

2017

#### CONTRACT VALUE:

\$400,000





**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES  
HURRICANE IRMA – 122,000 CY**

**CITY OF COCONUT CREEK, FLORIDA**



**DEPARTMENT OF PUBLIC WORKS**

Jim Berkman  
Director of Public Works  
4900 W. Copans Road  
Coconut Creek, FL 33063  
954-956-1415 office  
JBerkman@coconutcreek.net

**PROJECT START:**

2017

**PROJECT END:**

2017

**CONTRACT VALUE:**

\$200,000

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES  
HURRICANE IRMA – 61,600 CY**

**CITY OF DANIA BEACH, FLORIDA**



Brad Kaine  
Director of Public Services  
1201 Stirling Road  
Dania Beach, FL 33004  
954-924-6808 office  
bkaine@daniabeachfl.gov

**PROJECT START:**

2017

**PROJECT END:**

2017

**CONTRACT VALUE:**

\$350,000

**DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES  
HURRICANE IRMA – 16,400 CY**

**TOWN OF WINDERMERE, FLORIDA**



**DEPARTMENT OF PUBLIC WORKS**

Scott Brown, Director  
614 Main Street  
Windermere, FL 34786  
407-876-2563 x5325 office  
sbrown@town.windermere.fl.us

**PROJECT START:**

2017

**PROJECT END:**

2017

**CONTRACT VALUE:**

\$40,000





# DISASTER DEBRIS MONITORING



RFP No. PWWM-180069-DH | May 8, 2018



## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA

### SECTION 5— PRICING



#### SUBMITTED BY

**ROSTAN SOLUTIONS, LLC**  
3433 Lithia Pinecrest Road  
Suite 287  
Valrico, Florida 33596  
Email: srosania@rostan.com  
Tel: 813.505.313  
Fax: 813.333.7330  
www.rostan.com



## ATTACHMENT B PRICE PROPOSAL

(Based on a 500,000 cubic yard event for evaluation purposes)

Equipment/ Personnel	# People x Hrs/Day x Days/wk	Total Est. Hours for Event	Unit Price Per Hour	Extension
<i>(example)</i>	<i>2 x 12 x 7</i>	<i>2,016</i>		
Project Manager/Liason Officer	1 x 8 x 5	480	85.00	40,800.00
Debris Mgt. Operations Manager (if requested)	1 x 14 x 7	1,176	75.00	88,200.00
Engineer	1 x 1 x 1	12	135.00	1,620.00
Environmental Consultant	1 x 3 x 1	36	85.00	3,060.00
Environmental Field Technician	1 x 1 x 1	12	65.00	780.00
GIS Analyst/Specialist	1 x 4 x 7	336	65.00	21,840.00
Supervising Monitors with vehicle and phone	2 x 12 x 7	2,016	42.00	84,672.00
Roving Monitors with vehicle and phone	0 x 0 x 0	0	33.00	0.00
Loading Site Monitors with vehicle and phone	20 x 12 x 7	20,160	33.00	665,280.00
Disposal Site Monitors with phone	4 x 12 x 7	4,032	35.00	141,120.00
Call Center Operator	2 x 8 x 5	960	28.00	26,880.00
Data Entry Clerk – Paper Ticket	0 x 0 x 0	0	28.00	0.00
<b>Total</b>				<b>1,074,252.00</b>
Scale at each TDSRS	#####	#####	#####	Billed at cost

All labor rates are to be fully burdened to include all taxes, benefits, handling charges, equipment, mileage, rentals, per diem, housing, reproduction, supervisory tasks, record keeping tasks, reporting tasks, quality control, verification/validation tasks, overhead, profits, and any other expenses necessary to the execution of a contract to be developed as a result of this RFP.



*Cynthia K Noel*

*[Signature]*  
\_\_\_\_\_  
Signature

Sam Rosania  
\_\_\_\_\_  
Name

Executive Vice President  
\_\_\_\_\_  
Title

April 14, 2018  
\_\_\_\_\_  
Date





# DISASTER DEBRIS MONITORING



RFP No. PWWM-180069-DH | May 8, 2018



## DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF GAINESVILLE, FLORIDA

### SECTION 6— ADDITIONAL DOCUMENTATION



#### SUBMITTED BY

**ROSTAN SOLUTIONS, LLC**  
3433 Lithia Pinecrest Road  
Suite 287  
Valrico, Florida 33596  
Email: [srosania@rostan.com](mailto:srosania@rostan.com)  
Tel: 813.505.313  
Fax: 813.333.7330  
[www.rostan.com](http://www.rostan.com)






## DRUG-FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that

Rostan Solutions, LLC does:  
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for the drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

  
\_\_\_\_\_  
Bidder's Signature  
April 14, 2018  
\_\_\_\_\_  
Date





**ADDENDUM NO. 1**

Date: April 18, 2018

Bid Date: ~~April 23, 2018~~  
May 2, 2018  
at 3:00 P.M. (Local Time)

Bid Name Disaster Debris Monitoring

Bid No.: PWWM-180069-DH

NOTE: This Addendum has been issued only to the holders of record of the specifications.

The original Specifications remain in full force and effect except as revised by the following changes which shall take precedence over anything to the contrary:

**BID DUE DATE**

**The Bid Due Date is hereby extended until May 2, 2018 @ 3:00 PM (local time).**

1. An addendum with responses to questions received is expected to be issued next week.
2. Please find attached:
  - a) Copy of the blackout period information (Financial Procedures Manual Section 41-423 Prohibition of lobbying in procurement matters).

ACKNOWLEDGMENT: Each Proposer shall acknowledge receipt of this Addendum No. 1 by his or her signature below, **and a copy of this Addendum to be returned with proposal.**

**CERTIFICATION BY PROPOSER**

The undersigned acknowledges receipt of this Addendum No. 1 and the Proposal submitted is in accordance with information, instructions, and stipulations set forth herein.

PROPOSER: Rostan Solutions, LLC

BY: 

DATE: 5/4/2018

The following are answers/clarifications to questions received:

3. Question: Would the City consider waiving the Payment and Performance Bond (Item (C) on page 17)? Can we instead use our Professional Liability insurance in lieu of the bond (which typically apply to contractors, not professional services contracts)?

Answer: No. The Payment and Performance Bond requirement remains.

4. Question: Does the City want a list of current debris monitoring contracts or all recovery services contracts?

Answer: A list of the current debris monitoring contracts will be sufficient.

ACKNOWLEDGMENT: Each Proposer shall acknowledge receipt of this Addendum No. 2 by his or her signature below, **and a copy of this Addendum to be returned with proposal.**

CERTIFICATION BY PROPOSER

The undersigned acknowledges receipt of this Addendum No. 2 and the Proposal submitted is in accordance with information, instructions, and stipulations set forth herein.

PROPOSER: Rostan Solutions, LLC

BY: 

DATE: 5/4/2018





**ADDENDUM NO. 3**

Date: April 30, 2018

Bid Date: May 8, 2018  
~~May 2, 2018~~  
~~April 23, 2018~~  
at 3:00 P.M. (Local Time)

Bid Name Disaster Debris Monitoring

Bid No.: PWWM-180069-DH

NOTE: This Addendum has been issued only to the holders of record of the specifications.

The original Specifications remain in full force and effect except as revised by the following changes which shall take precedence over anything to the contrary:

**BID DUE DATE**


**The Bid Due Date is hereby extended until May 8, 2018 @ 3:00 PM (local time).**

1. An addendum with responses to questions received will follow.
2. Please find attached:
  - a) Copy of the blackout period information (Financial Procedures Manual Section 41-423 Prohibition of lobbying in procurement matters).

ACKNOWLEDGMENT: Each Proposer shall acknowledge receipt of this Addendum No. 3 by his or her signature below, **and a copy of this Addendum to be returned with proposal.**

**CERTIFICATION BY PROPOSER**

The undersigned acknowledges receipt of this Addendum No. 3 and the Proposal submitted is in accordance with information, instructions, and stipulations set forth herein.

PROPOSER: Rostan Solutions, LLC  
BY:   
DATE: 5/4/2018

*the Federal interest is adequately protected. If such a determination has not been made, the minimum requirements must be as follows:*

- a) A bid guarantee from each bidder equivalent to five percent of the bid price. The "bid guarantee" must consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.*
- b) A performance bond on the part of the contractor for 100 percent of the contract price. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the contractor's obligations under such contract.*
- c) A payment bond on the part of the contractor for 100 percent of the contract price. A "payment bond" is one executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract.*

Answer: The City prefers to keep the Payment and Performance Bond as a requirement to help ensure the contractor's performance in the event of a disaster affecting multiple cities and counties throughout the state.

ACKNOWLEDGMENT: Each Proposer shall acknowledge receipt of this Addendum No. 4 by his or her signature below, **and a copy of this Addendum to be returned with proposal.**

CERTIFICATION BY PROPOSER

The undersigned acknowledges receipt of this Addendum No. 4 and the Proposal submitted is in accordance with information, instructions, and stipulations set forth herein.

PROPOSER: Rostan Solutions, LLC

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

DATE: 5/4/2018

ACKNOWLEDGMENT: Each Proposer shall acknowledge receipt of this Addendum No. 5 by his or her signature below, **and a copy of this Addendum to be returned with proposal.**

CERTIFICATION BY PROPOSER

The undersigned acknowledges receipt of this Addendum No. 5 and the Proposal submitted is in accordance with information, instructions, and stipulations set forth herein.

PROPOSER: Rostan Solutions, LLC

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

DATE: 5/4/2018