DISASTER DEBRIS MONITORING SERVICES

RFP NO. 2018-018 | AUGUST 23, 2018

DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF MARGATE, FLORIDA

ORIGINAL DOCUMENT

SUBMITTED BY

ROSTAN SOLUTIONS, LLC
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August 23, 2018

City of Margate, City Hall
5790 Margate Boulevard
Margate, FL 33063
Attn: Spencer Shambray, CPPB, Purchasing Manager

Re: Request for Proposals (RFP) No. 2018-018 Disaster Debris Monitoring Services

Dear Mr. Shambray & Selection Committee Members,

Rostan was founded in 1999 and is still to this day, focused on one-thing — assisting its clients in recovering from disasters. We can proudly say that, in the past 20 years, Rostan employees have served more than 150 municipal clients resulting in more than $5 billion dollars in disaster-related funding opportunities. This includes neighboring communities Coral Springs and Coconut Creek. Both have been long-term clients, and both have recent experience with our services as a result of Hurricane Irma last year.

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 remained focused on the interests of our clients first and foremost. What we lack in name recognition we more than make up for with an extremely competent and dedicated work force, subject matter expertise, and programmatic and operational management efficiency. As a result, we are able to provide clients with timely, personalized service and a vast array of knowledge specific to disaster recovery and federal funding programs.

Rostan's pillars of expertise:

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

In addition to our core services, Rostan is the sole purveyor of HaulPass®, the original and most trusted name in automated debris management. HaulPass® has been deployed on more than 100 debris monitoring projects since 2008, including more than 30 concurrent projects in Florida, Texas, Georgia, South Carolina, and Puerto Rico during the 2017 hurricane season. Since HaulPass® was developed, we have never delayed a recovery effort, stopped work, or been forced to use another data collection method due to resource capacity, data integrity, or hardware issues. In fact, HaulPass® was awarded the 2013 Grand Prize for Operations Management by the American Academy of Environmental Engineers & Scientists primarily due to its cost effectiveness, reliability, and ability to streamline complex data collection requirements.

Jeff Cousins will serve as the primary contact person for Rostan on this project. His contact information is provided below:

Name: Jeff Cousins
Title: Program Manager
Phone: 954-707-8637
Fax: 813-333-7330
E-mail: jcousins@rostan.com

While our workforce continues to grow, and we gain greater capacity to service additional clients, we always maintain a capacity buffer so that we can respond even in the most unexpected situations. Some industry firms pride themselves on being spread "a mile wide and an inch deep". This has never been and will never be our approach to serving clients. The 2017 hurricane season served as a perfect example. We exceeded response time requirements for all activated standby agreements. This included more than 25 activations in four states and Puerto Rico. Conservatively managing our commitments, and subsequent workload, enabled us to add additional select clients in Texas and Florida following Hurricanes Harvey and Irma. In total, we provided debris monitoring services to more than 30 clients during the 2017 hurricane season.

Lastly, we firmly believe that our employees are the most dedicated in the industry. We are an integrity-driven company that puts our clients' interests first and foremost. 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 preferred provider of debris monitoring and recovery services.

Very truly yours,

Sam Rosania
Executive Vice President
Rostan Solutions, LLC

ROSTAN SOLUTIONS

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ROSTAN SOLUTIONS

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DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF MARGATE, FLORIDA

SECTION 1 — TECHNICAL PROPOSAL

1.1 Company Profile

1.2 Florida Licenses and Bonding

1.3 Summary of Capabilities

1.4 Experience Overview

1.5 Reimbursement Programs Experience

1.6 Past Project Experience

1.7 Organizational Structure

1.8 Key Personnel and Staff Qualifications/ Experience

1.9 References

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1.1 COMPANY PROFILE

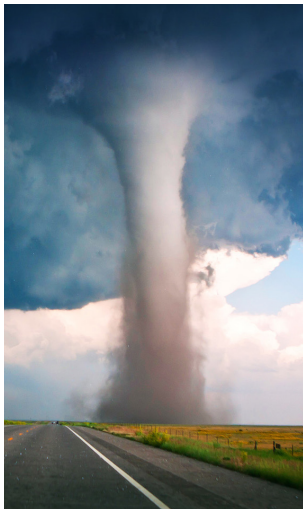
ROSTAN SOLUTIONS, LLC

Rostan Solutions, LLC (Rostan) is a FL, SC, and TX-certified engineering firm 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 provided debris monitoring services for 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 in 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 1.9 of our Proposal.



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 Detzner

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

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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

NIELSON, WOJTOWICZ, NEU & ASSOCIATES
A NIELSON HOOVER GROUP COMPANY

May 23, 2018

Re: Rostan Solutions, LLC

Dear Sir or Madam:

We are pleased to advise you that Rostan Solutions, LLC has a surety relationship with RLI Insurance Company, which carries an A.M. Best Rating of A+ XI and is listed in the Department of Treasury's Federal Register.

RLI Insurance Company would consider providing Rostan Solutions, LLC Performance and Payment Bonds for projects in the single amount of $5,000,000,000 and aggregate of $10,000,000.00. RLI Insurance Company would certainly entertain higher limits if the need ever arose. RLI Insurance Company reserves the right to review bond issuance based on the underwriting criteria in effect at the time the bonds are requested; subject to acceptable contract terms and bond forms acceptable to both the Contractor and the Surety.

Neither we nor RLI Insurance Company assume liability to any third party, including you, if bonds are not provided.

Rostan Solutions, LLC maintains an excellent reputation of exceeding owner expectations by providing quality projects on time and within budget. We recommend them to you very highly and invite any additional inquiries you may have.

Sincerely,
RLI Insurance Company

Kevin R. Wojtowicz
Attorney-in-Fact

SMART. UNCOMPROMISING. TIMELY. EFFECTIVE. NIELSON, HOOVER & COMPANY, INC. SURETY SOLUTIONS THAT MAKE A DIFFERENCE.

ST. PETERSBURG
1000 Central Avenue, Suite 200, St. Petersburg, FL 33705
P: 727.209.1803 F: 727.209.1335
ASHEVILLE
66 Elizabeth Place, Asheville, NC 28801
P: 828.505.7431
www.nielsonbonds.com

1.3 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	• Debris Management Plans (e.g., for hurricanes, floods, earthquakes, weapons of mass destruction [WMD], etc.) • Mobilization Plan • Needs Assessment • Comprehensive Emergency Management Plans • Continuity of Operations Plans • Mitigation Planning and Engineering Response and Recovery Plans • Geographic Information Systems (GIS) Capabilities Analysis
DEBRIS MANAGEMENT SERVICES	• Available Sites Inventory Research / Permitting • DMS Baseline Investigations and Regulatory Support • DMS Environmental Monitoring and Closure Reports
CONTRACTS ADMINISTRATION SUPPORT	• Debris Contractor Procurement Assistance • Contracts Management • Storm Debris Collections Contracts Review
ADDITIONAL SERVICES	• Community Relations for Debris Removal Programs • Training Workshops and Table-Top Exercises
POST-EVENT SERVICES	
DEBRIS CONTRACTOR MANAGEMENT AND MONITORING	• Contract Administration • Operations Routing and Mapping • Debris Contractor Vehicle Certification • DMS Operations Monitoring • Quality Assurance (QA) Monitoring (load site and tower QA monitors) • Waterway Debris and Sediment Removal Monitoring • Private Property Debris Removal (PPDR) Management • Demolition Debris Removal Management • PPDR and Demolition Documentation Management • DMS Permitting and Close-out • Data Management and Information Systems Support
PROGRAM MANAGEMENT	• Project Management and Scheduling • GIS/GPS Interface Support • Asset Management • Database Management • Contractor Invoice Reconciliation
REGULATORY AND REIMBURSEMENT SUPPORT	• Federal Reimbursement Programs • FEMA Coordination • Grant Applications — 404, 406, CDBG • Reporting and Permitting
ADDITIONAL SERVICES	• Damage Assessments of Public Infrastructure

1.4 EXPERIENCE OVERVIEW

Rostan has a proven track record of providing disaster debris management services throughout the United States. The projects depicted below summarize our team's experience performing similar services through the past five (5) years.

2017

HURRICANE HARVEY

TEXAS — **FEMA DR-4332**

- City of Kountze
- City of Lumberton
- City of Orange
- City of Rose Hill Acres
- City of Sour Lake
- Community Christian School
- Corpus Christi ISD
- Hardin County
- Huffman ISD
- Little Cypress Mauriceville ISD
- Texas City ISD
- United Christian Academy
- Village of Piney Point

HURRICANE IRMA

FLORIDA — **FEMA DR-4337**

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

GEORGIA — **FEMA DR-4338**

- City of Garden City
- City of Tybee Island

SOUTH CAROLINA — **FEMA DR-4346**

- Charleston County

HURRICANE MARIA

COMMONWEALTH OF PUERTO RICO — **FEMA DR-4336**

- USACE Jacksonville District/Xpert's Inc.

2016

HURRICANE MATTHEW

FLORIDA — **FEMA DR-4283**

- City of Port St. Lucie
- Martin County
- Town of Sewall's Point

GEORGIA — **FEMA DR-4284**

- City of Garden City

SOUTH CAROLINA — **FEMA DR-4286**

- Berkeley County
- Charleston County

FLOODING

LOUISIANA — **FEMA DR-4277**

- Iberia Parish

TORNADO

VIRGINIA

- Essex County

2015

FLOODING

SOUTH CAROLINA — **FEMA DR-4241**

- Charleston County

ICE STORM

TENNESSEE — **FEMA DR-4211**

- Cumberland County
- White County

2014

ICE STORM

GEORGIA — **FEMA DR-4165**

- Jenkins County

2012

HURRICANE SANDY
(applicants worked within the past 60 months)

NEW YORK — **FEMA DR-4085**

- USACE NY District/ECC – City of New York
- USACE NY District/ECC – Fire Island

NEW JERSEY — **FEMA DR-4086**

- Bergen County Utility Authority
- Borough of Bay Head
- Borough of Bernardsville
- Borough of Highlands
- Borough of Keansburg
- Borough of Little Silver
- Borough of Manasquan
- Borough of Ocean Gate
- Borough of Point Pleasant Beach
- Borough of Red Bank
- Borough of Roselle
- Borough of Sea Girt
- Borough of Tinton Falls
- City of Bayonne
- NJDEP – Waterway Debris Monitoring
- Township of Brick
- Township of Hillside
- Township of Hopewell
- Township of Middletown
- Township of Old Bridge
- Township of Readington

1.5 REIMBURSEMENT PROGRAMS EXPERIENCE

Over the years, our employees have sought and secured more than $5 billion dollars in grant funding for our clients. This includes funding through FEMA's PA and HMGP programs, FHWA, HUD CDBG grants, and NRCS.

We take great care to ensure that our data collection and documentation efforts are secure, complete, and done in accordance with the guidance and policies of the appropriate funding agency. This includes continuing education efforts and ensuring that our decision-making personnel are up to speed with disaster-specific policies and guidance. For example, FEMA is using a new PA grants portal this year in an effort to expedite funding obligations by creating a web-based standardized project formulation tool that is accessible to subgrantees. Rostan used this tool for a client in Georgia following Hurricane Matthew before it was rolled out nationally during the 2017 hurricane season. We are currently utilizing it to assist many of our debris monitoring clients pursue reimbursement funding for their debris collection and other force account emergency expenditures.

We are not aware of any completed reimbursement pursuits that did not result in our client recovering appropriate reimbursement funding for projects completed under our direction or authority. Additionally, we are not aware of any funds surrendered due to audit findings, lawsuits resulting from our actions, or disputes resulting from debris monitoring or reimbursement services provided to past or current clients.

ROSTAN SOLUTIONS

1.6 PAST PROJECT EXPERIENCE

AUTOMATED DEBRIS MANAGEMENT SYSTEM | HURRICANE MARIA | FEMA DR-4339
XPERT'S INC./US ARMY CORPS OF ENGINEERS | 5.5 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 1,675 equipment certifications have been completed and more than 5.5 million cubic yards of debris has been collected. Rostan has supported XPert's efforts to receive debris at more than 60 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.

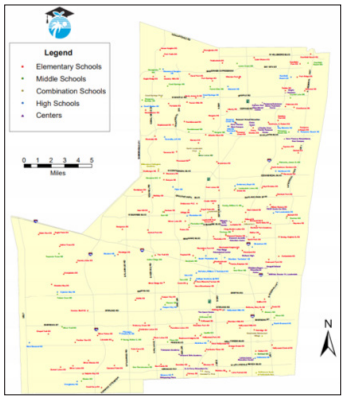
Many of our clients also required assistance seeking FEMA reimbursement. A particularly challenging undertaking given FEMA's recent rollout of their new Grant's Portal. In addition, Rostan provided debris management site summary reports documenting the closure of the sites and consolidating the records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

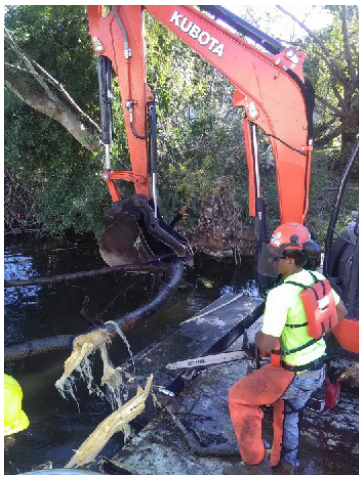
Our work with the City of Coral Springs is representative of the services we provided to our clients throughout the state following Hurricane Irma. Coral Springs is an affluent community that covers an area of approximately 24 square miles with a population of 121,000 people. It is located in Broward 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 MUNICIPALITES 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 it's 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 cost 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 DEPTARTMENT 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.

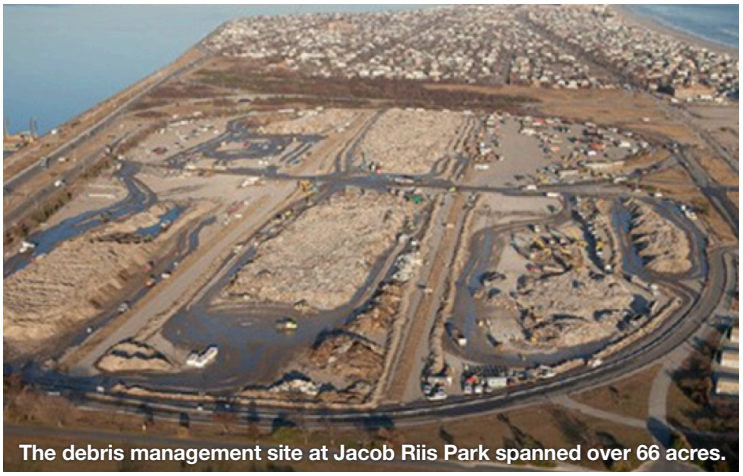
In addition to providing disaster response services through debris monitoring operations, Rostan was engaged by multiple communities to assist with recovering from Sandy's impact by ensuring maximum reimbursement from federal and state agencies. We had teams engaged in drafting FEMA project worksheets 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.

ROSTAN SOLUTIONS

DEBRIS MONITORING AND MANAGEMENT | HURRICANE IRENE | FEMA DR-4024 | 76,000 CY
YORK COUNTY, VIRGINIA | 2011

Following Hurricane Irene landfall ROSTAN was responsible for managing and monitoring the removal of over 76,000 cubic yards of debris from one corner of our country's historic colonial triangle, York County. Operations covered approximately 106 square miles of public rights-of-way and public property. Monitoring operations also involved debris reduction and haul out of reduced debris for final disposition. Optimized by our HaulPass® automated debris management system we also provided unprecedented rapid reconciliation of debris contractor invoices. As is standard operation for ROSTAN disaster response and recovery services, local personnel were interviewed and hired to enhance economic recovery of the affected area.

ROSTAN provided an array of post-disaster debris management services, including Truck Certification, right-of-way debris removal monitoring, removal of hazardous leaning trees and hazardous hanging branches. In addition, ROSTAN provided assistance to the County for reimbursements from state and federal agencies, including the Federal Emergency Management Agency and the Federal Highway Administration, relating to eligible costs arising from the disaster recovery effort.

DEBRIS MONITORING AND MANAGEMENT | HURRICANE IRENE | FEMA DR-4024 | 211,000 CY
JAMES CITY COUNTY, VIRGINIA | 2011

ROSTAN provided an array of post-disaster debris management services including truck certification, right-of-way debris removal monitoring, and removal of hazardous leaning trees and hanging limbs. In addition, we provided assistance to the County for reimbursements from state and federal agencies, including the Federal Emergency Management Agency (FEMA), relating to eligible costs arising from the disaster recovery effort.

ROSTAN was responsible for managing and monitoring the removal of over 211,000 cubic yards of debris covering approximately 180 square miles, including operations on public and private rights-of-way and public parks. Monitoring operations also involved reduction and haul-out for final disposition to multiple locations. We provided near real-time debris removal report ing, optimized by our HaulPass® automated debris management system, which resulted in rapid reconciliation of debris contractor invoices and, ultimately, expedited FEMA reimbursement to the County.

DEBRIS MONITORING AND MANAGEMENT | HURRICANE IRENE | FEMA DR-4024 | 17,500 CY
CITY OF WILLIAMSBURG, VIRGINIA | 2011

ROSTAN rapidly conducted truck certifications to get the contracted debris removal teams on the road immediately after notice-to-proceed. Operations were limited to debris on public rights-of-way, and approximately 17,500 cubic yards were removed in eleven days. 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 MONITORING AND MANAGEMENT | EF-5 TORNADO | FEMA DR-1980 | 100,000 TONS
CITY OF JOPLIN, MISSOURI | 2011

ROSTAN responded to a USACE request for Automated Debris Management System (ADMS) services to track debris removal operations in Joplin, Missouri following the EF-5 tornado that impacted the area on May 22, 2011. ROSTAN responded, providing the HaulPass® System (Haul- Pass®), including field personnel to operate the System. Within 24 hours of notice to proceed, the ROSTAN team commenced certifying trucks while deploying the system in the field — employing a staff of approximately 60 locally hired and trained personnel. The objective was to track each truckload of tornado debris from point-of-origin to final disposal according to FEMA guidelines and USACE specifications and requirements for ADMS. HaulPass® was readily deployed with short notice, accommodating mission specific parameters such as quantification of truckloads by weight rather than volume, secondary equipment certification numbers, etc.

Throughout the mission, the ROSTAN team issued 237 equipment certifications to debris removal trucks, as well as an additional 32 equipment certifications to mulch haul-out trucks. The system captured equipment information such as contractor information, driver information and insurance, vehicle information such as registration, make and model, etc., and truck tare (empty) weight. Each truck was issued an encrypted HaulPass® smart card. This card contains a computer chip on the back containing all relevant certification data, including a photo of the truck and the placard and license plate number printed on the front. These cards were then utilized by the trucks throughout the mission to not only identify the truck, but to transfer load-ticket information from the field to the drop-off site via a secure, electronic, and entirely paperless process.

Trained ROSTAN field staff utilized GPS enabled hand-held computers to initiate load tickets for the trucks at each pickup location. Each truck's HaulPass® card was inserted into the hand held computer and relevant data, including time, date, and location was saved. Conversely, ROSTAN dumpsite staff utilized identical hand held computers to securely retrieve the load data saved to the HaulPass® cards, enter and save the net weight of the load from the scale readout, and completed the ticket by wirelessly printing the desired number of receipts using Bluetooth belt printers.

Five dump sites were utilized, all of which were equipped with HaulPass® technology. These sites received 7,027 truckloads of debris totaling 84,649.6 tons. In addition, 570 truckloads of mulch totaling 13,631 tons were hauled to 2 of the dump sites. HaulPass® was configured for each dumpsite, capturing site location, detailed information, and acceptable debris types. HaulPass® site card functionality regulated which debris types were acceptable at each individual dumpsite, effectively regulating debris streams and assisting USACE management of dump site operations.

In addition to the tasks outlined in the scope of work, the ROSTAN team took on the unique challenge of assuming responsibility for tracking and organizing private property debris removal (PPDR) records in the field. HaulPass® provided the capability to take multiple geo-tagged photos along with the capture of field notes in the field, essentially eliminating the need for labor intensive photo reconciliation at the end of each work day in the USACE Recovery Field Office. This assignment consisted of a team of seven ROSTAN personnel utilizing camera and GPS enabled hand-held computers to survey private property throughout impacted area. A total of 1,393 PPDR records were input into the system, each containing a minimum of four photographs, one from each side of the property, including appropriate descriptions. Surveys were performed both before and after work was completed on each property, each record being marked as pre- or post-survey. The photographs and survey data were then immediately available via the www.haulpass.com web interface. Secure access was provided to USACE staff. Additionally, USACE staff was provided with the online ability to not only review, but also edit, the PPDR record data as needed.

ROSTAN SOLUTIONS

DEBRIS MONITORING AND MANAGEMENT | EF-5 TORNADO | FEMA DR-1971 | 400,000 CY
CITY OF BIRMINGHAM, ALABAMA | 2011

Pratt City, a sizeable subdivision of Birmingham, Alabama, was impacted by straight-line winds and a devastating EF-5 tornado that destroyed a significant portion of the community on April 27, 2011. To assist with recovery efforts, the City of Birmingham requested ROSTAN provide disaster debris removal monitoring services.

We provided damage assessments for numerous private and commercial properties at the request of the City and developed a database to allow efficient access to information related to the current status of these individual properties. We also trained city personnel on querying the database to provide timely responses to citizen questions.

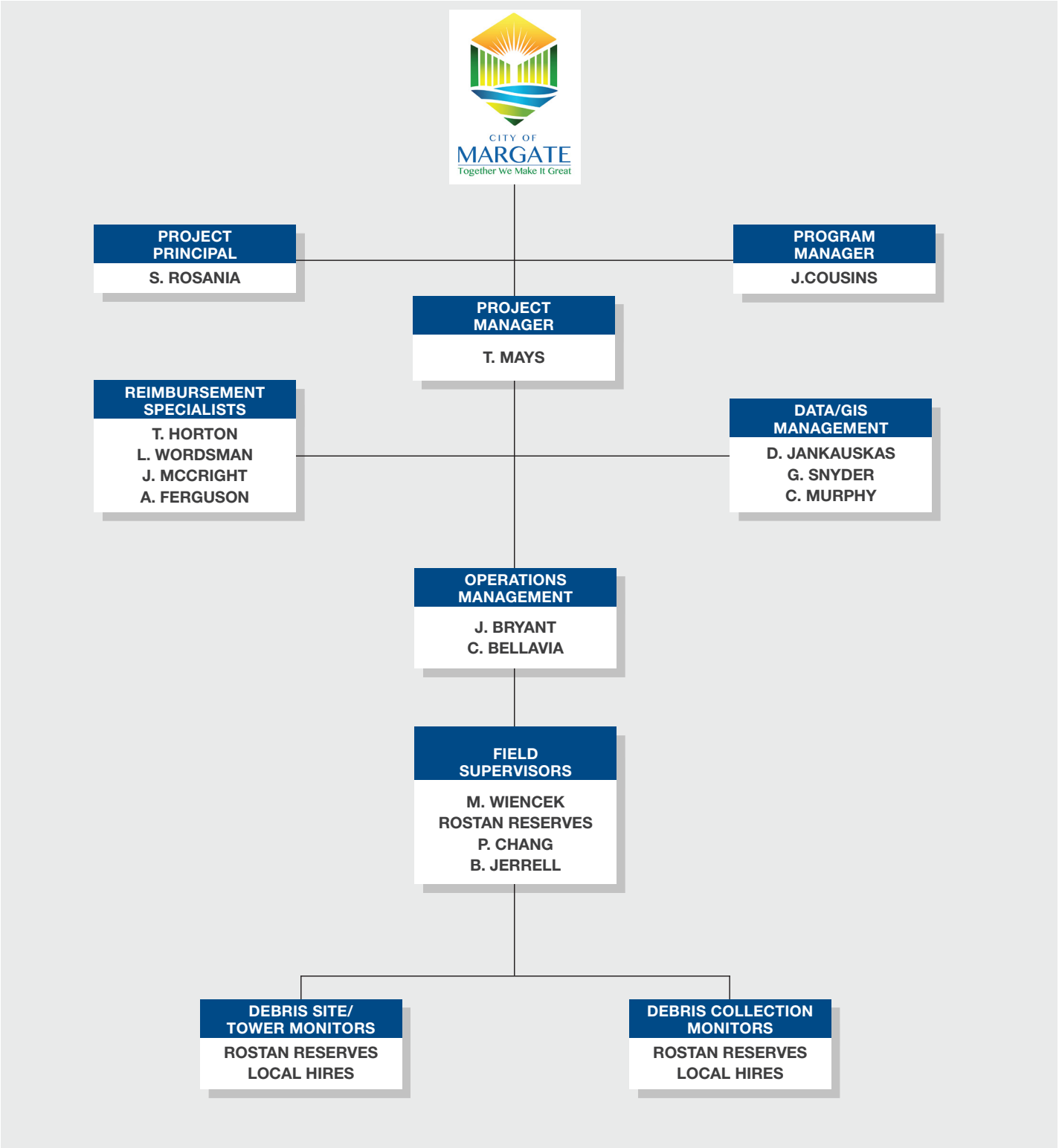
In addition to monitoring right-of-way debris removal operations, we also assisted the city in the collection, verification and validation of rights-of-entry and hold-harmless agreements related to private property debris removal (PPDR) operations approved by the on-site Federal Emergency Management Agency (FEMA) coordinating officer.

Utilizing the latest in geographic information system (GIS) software technology, ROSTAN identified all properties whose owners could not be located in a timely manner and matched the locations to parcel information provided by the county tax assessor. Barring a signed right-of-entry agreement, these properties were identified as nuisance abatement properties and referred to the city council for PPDR authorization. We delivered and posted notices of intent to conduct nuisance abatement PPDR on each property.

FEMA also approved the demolition of private structures in the path of the tornado in order to promote the timely economic recovery of the community. ROSTAN provided PPDR and Demolition monitoring and assisted the City with collection, verification and validation of applicable rights-of-entry and hold-harmless agreements including lien assessments, deed/title holder and insurance determinations.

1.7 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 a team of experts with the qualifications and experience needed for this project. This organizational structure provides the City with a defined leadership and communication structure.



1.8 KEY PERSONNEL AND STAFF QUALIFICATIONS/EXPERIENCE

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.

TRAVIS MAYS: PROJECT MANAGER

Mr. Mays has 11 years of experience and has served as Project Manager supporting disaster recovery efforts throughout the United States. He most recently served as Rostan's Project Manager for the US Army Corps of Engineers mission in Puerto Rico following Hurricane Maria. He has been on staff with Rostan since 2008.

TOMMY HORTON: FEMA CONSULTANT

Mr. Horton 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.

DENISE JANKAUSKAS: DATA MANAGER

Ms. Jankauskas has worked for Rostan since 2012 and has 6 years of experience managing data collection and quality control of data elements for debris monitoring projects. Her background in graphics and design enables her project teams to meet all project reporting requirements in a timely manner while maintaining the highest data integrity standards.

Resumes for these key individuals and others anticipated to serve the City are included on the following pages.

SAMUEL M. ROSANIA

PRINCIPAL | EXECUTIVE VICE PRESIDENT

ROSTAN

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.

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

ROSTAN

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 MUNICIPALITES, 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

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 Debis 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.

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.

TRAVIS MAYS

PROJECT MANAGER

ROSTAN

EDUCATION

BA Marketing,
University of Houston, 2006

YEARS OF EXPERIENCE

11

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 11 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 240,000 loads of debris totalling more than 5.5 million cubic yards on this project. Upon completion it is anticipated that more than 250,000 loads of debris and more than 6 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. Additonally 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,

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
JENKINS 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.

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.

TOMMY BRINSON HORTON II

SENIOR CONSULTANT

ROSTAN

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. His team 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.

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

ROSTAN

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 and 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.

DENISE JANKAUSKAS

DATA MANAGER

ROSTAN

EDUCATION

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

YEARS OF EXPERIENCE

6

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 6 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

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**

JORDAN BRYANT

OPERATIONS MANAGER

ROSTAN

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 occured 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.

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

ROSTAN

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

JORDAN BRYANT

OPERATIONS MANAGER

ROSTAN

YEARS OF EXPERIENCE

13

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 13 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 occured 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.

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

1.9 REFERENCES

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 – 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

DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE MATTHEW – 190,000 CY | HURRICANE IRMA – 204,000 CY

MARTIN COUNTY, FLORIDA

PUBLIC WORKS DEPARTMENT
James Gorton
Deputy Director of Public Works
2151 SE Aviation Way
Stuart, FL 34996
772-219-4905 office
jgorton@martin.fl.us

PROJECT START:
2016

PROJECT END:
2017

DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE IRMA – 38,000 CY

TOWN OF PALM BEACH, FLORIDA

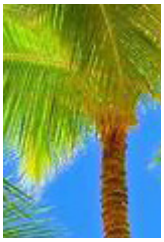
PUBLIC WORKS DEPARTMENT
Eric Brown, P.E.
Assistant Director
951 Old Okeechobee Road
West Palm Beach, FL 33401
561-227-7025
EBrown@townofpalmbeach.com

PROJECT START:
2017

PROJECT END:
2017

DEBRIS MANAGEMENT AND PUBLIC ASSISTANCE SUPPORT SERVICES HURRICANE IRMA – 2,600 CY

SUNSHINE WATER CONTROL DISTRICT, FLORIDA



SUNSHINE WATER CONTROL DISTRICT

SUNSHINE WATER CONTROL DISTRICT
Corey Selchan
District Superintendent
10300 NW 11th Manor
Coral Springs, FL 33071
954-796-6619
corys@fladistricts.com

PROJECT START:
2017

PROJECT END:
Ongoing

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
JBerkman@coconutcreek.net

PROJECT START:
2017

PROJECT END:
2017

DISASTER DEBRIS MONITORING SERVICES

RFP NO. 2018-018 | AUGUST 23, 2018

DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF MARGATE, FLORIDA

SECTION 2— MANAGEMENT APPROACH

2.1 Understanding The City of Margate

2.2 Rostan Strategy and Approach

2.3 Debris Collection, Managment, and Disposal Plan

2.4 Automated Debris Management System (ADMS)

2.5 Additional Related Services

SUBMITTED BY

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2.1 UNDERSTANDING THE CITY OF MARGATE

UNDERSTANDING THE CLIENT

The City of Margate has a story similar to many south Florida communities. Once rural farmland on the front step of the Everglades, Margate was transformed into a residential community in the late 50's and 60's due to increasing need for housing in southeast Florida.

We are very familiar with southeast Florida, having provided disaster-related services to many clients in Monroe, Miami-Dade, Broward, Palm Beach, and Martin County for nearly 20 years. The City shares municipal boundaries with two of our Broward County clients, Coral Springs, and Coconut Creek. We are extremely proud of the services we provided to these two clients following Hurricane Irma and have no doubt that we will be prepared to provide the same level of service to the City should the need arise.

We believe that geographic proximity to other clients is an added benefit to the City. Due to long-standing relationships in the Broward County area, we generally concentrate our most senior staff and highest-levels of expertise in this area following a disaster event. Operational efficiency is also maximized through the ability to quickly move resources from one operating arena to another when conditions dictate.

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 1.1 (low), 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.

CITY OF MARGATE, FL 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
ESTIMATED DEBRIS QUANTITIES						
Population (H)	58,000	26,364	26,364	26,364	26,364	26,364
Category Factor (C)		2	8	26	50	80
Vegetation (V)		1.1	1.1	1.1	1.1	1.1
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)		75,400 Cubic Yards	301,600 Cubic Yards	980,200 Cubic Yards	1,885,000 Cubic Yards	3,016,000 Cubic Yards
TEMPORARY DEBRIS MANAGEMENT SITE REQUIREMENTS						
Debris Cubic Yards		75,400	301,600	980,200	1,885,000	3,016,000
Acres Required*		5	19	61	117	187

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

UNDERSTANDING THE RFP

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
Private Property Debris Removal and Demolition Monitoring and Documentation
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
Federal Programs Reimbursement Support

It is anticipated that Rostan supervisors, disposal site monitors, and field monitors will perform their dedicated functions on behalf of the City 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.

COMPATIBILITY

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. Our strategy is to selectively pursue and develop client relationships that we believe to be beneficial to both parties.

To facilitate this strategy, we have always limited the number of pursuits we undertake by both geography and population served, and by our total resource capacity. Many industry firms choose to forego this approach instead opting for a pursuit model that is more consist with that of the airline industry. As publicly traded companies' corporate airlines are endlessly focused on the bottom line. For this reason, they frequently over-commit the capacity of flights based on analytics that reveal it is more profitable to oversell a flight or two than for flights to depart with empty seats. When applied to the disaster recovery industry, the airline model takes the form of winning as many standby contracts as possible operating under the pre-tense that it is unlikely that most or all of these contracts are activated concurrently. The problem with this model is evident as it prioritizes revenues and profit over the ability to respond to a client and community during a time of considerable vulnerability. The 2017 storm season required extensive industry resources and exposed some firms as over-committed and unable to satisfy all of their standby obligations.

We employ more than 30 disaster recovery industry professionals with both private and public-sector experience. Our employees have worked for FEMA, managed state and local mitigation programs, worked as municipal employees, and have years of experience

in the private sector serving municipal clients. While many competitors claim to have hundreds, or even thousands of personnel, a very small percentage of these employees are actually focused on disaster-specific disciplines.

Historically we have managed workloads to give us the greatest available capacity during hurricane season.

Rostan is currently still supporting the following similar, local, and Southeastern projects as Prime Contractor:

Village of Estero, FL - Hurricane Irma	Disaster Debris Monitoring and Public Assistance Services
City of North Port, FL - Hurricane Irma	Disaster Debris Monitoring and Public Assistance Services
Sunshine Water Control District - Hurricane Irma	Disaster Debris Monitoring and Public Assistance Services
Coral Springs Improvement District - Hurricane Irma	Disaster Debris Monitoring and Public Assistance Services
Garden City, Georgia - Hurricane Irma	Disaster Debris Monitoring and Public Assistance Services

RESPONSE GUARANTEE

Rostan confirms that our Project Manager will report to the City's EOC a minimum of 24 hours prior to a Hurricane event should conditions safely permit. Within 24 hours of the "all clear" we will perform damage evaluations and certify hauling contractor equipment should it be available. We will be fully equipped from a resource perspective to facilitate all operations to their completion within 48 hours of notice to proceed. While many firms will offer a response commitment, we take this commitment seriously. During the 2017 hurricane season we witnessed three major hurricanes impact the US and its territories causing widespread damage. We take pride in knowing that we met or exceeded response time guarantees for 100% of our activated clients. This includes more than 30 clients in Texas, Florida, Georgia, South Carolina, and Puerto Rico. Many industry firms were exposed as over-committed in 2017. We guarantee that the City will never have to question whether Rostan is their priority.

KNOWLEDGE OF MANAGEMENT AND STAFF

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 and will bring this experience to bear in support of the City's priorities and goals.

2.2 ROSTAN STRATEGY AND APPROACH

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. We generally refrain from using paid, third-party employment agencies. Our experience leads us to believe that these agencies are not properly invested in the well-being of the candidates nor the community.

HEALTH AND SAFETY/MONITOR TRAINING

Rostan's health and safety 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 develop 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:

SAFETY HAT

SAFETY GLASSES

SAFETY VEST

STEEL-TOE WORK BOOTS

MOBILE PHONE

EAR PLUGS

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

2.3 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
PRE-EVENT TASKS		
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
POST-EVENT TASKS		
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

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PRELIMINARY DEBRIS MONITORING PLAN *[CONTINUED]*

DEBRIS MONITORING TASKS	ACTION ITEM	TIMELINE
POST-EVENT TASKS [CONTINUED]		
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 6
	2nd Pass — Monitor Debris Contractor crews collecting eligible disaster debris from public ROWs and public property	Week 7 through Week 10
	3rd Pass — Monitor Debris Contractor crews collecting eligible disaster debris from public ROWs and public property	Week 11 through Week 12
MONITOR SPECIAL WASTE COLLECTION	Monitor Debris Contractor crews collecting eligible special waste disaster debris such has 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

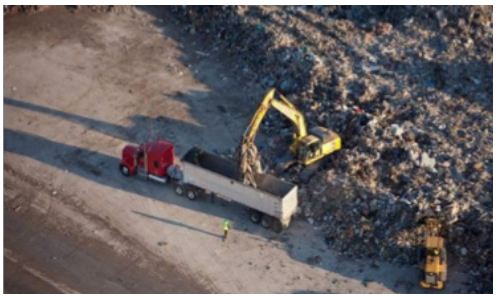
Effective debris management begins with the identification of potential DMS locations. We will assist the City in obtaining necessary approvals and permits from local, state and federal agencies for each site. Initially, our project team coordinates with the City to obtain relevant information such as 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 City 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 weeks 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.

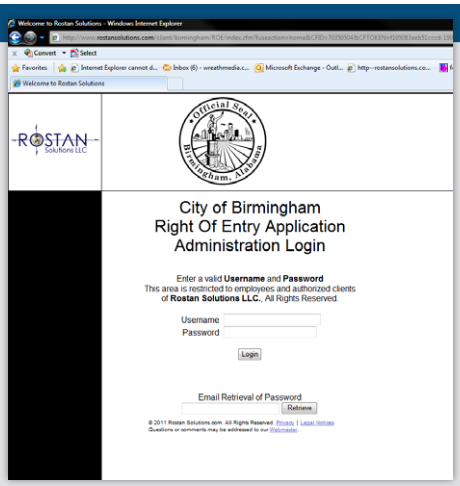
At the same time, a Right-of Entry (ROE) agreement signed by the owner or the owner's authorized agent is required for each project site on private property. Without this document municipalities and their representatives do not have legal authority to access the property. At times, these are easy to 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 efficient management PPDR/Demolition program.

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

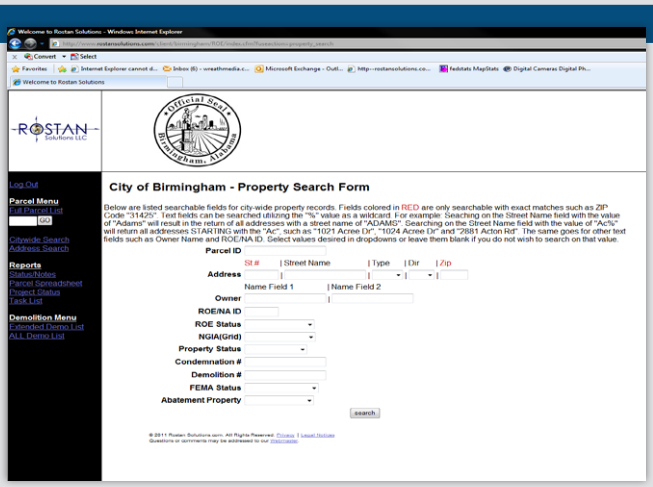
USER-BASED LOGIN ACCESS

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.



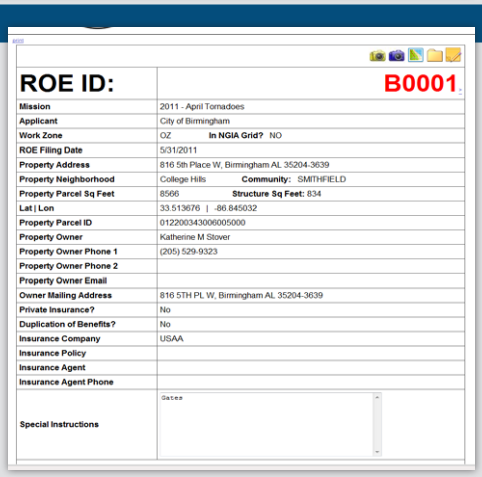
DATA INTEGRATION

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

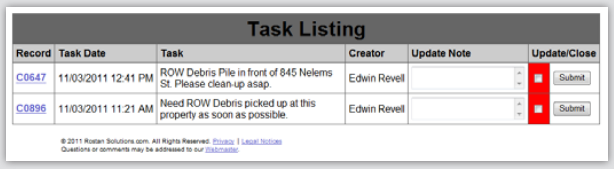
Field evaluations are responsible for identifying sites or potential sites that may require PPDR/Demolition work. When field data is collected, it is brought to a data manager or logistics coordinator and a profile for that site is created in our Module. The creation of a site profile creates a unique 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.



ROE ID:	B0001
Mission	2011 - April Tornadoes
Applicant	City of Birmingham
Work Zone	OZ In NGIA Grid? NO
ROE Filing Date	5/31/2011
Property Address	816 5th Place W, Birmingham AL 35204-3639
Property Neighborhood	College Hills Community: SMITHFIELD
Property Parcel Sq Feet	8566 Structure Sq Feet: 834
Lat | Lon	33.513676 | -86.845032
Property Parcel ID	012200343006005000
Property Owner	Katherine M Stover
Property Owner Phone 1	(205) 529-9323
Property Owner Phone 2	
Property Owner Email	
Owner Mailing Address	816 5TH PL W, Birmingham AL 35204-3639
Private Insurance?	No
Duplication of Benefits?	No
Insurance Company	USAA
Insurance Policy	
Insurance Agent	
Insurance Agent Phone	
Special Instructions	Gates

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.

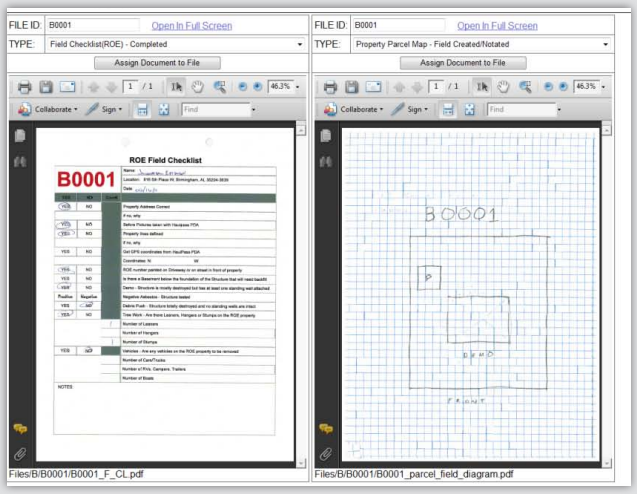


Task Listing

Record	Task Date	Task	Creator	Update Note	Update/Close
C0647	11/03/2011 12:41 PM	ROW Debris Pile in front of 845 Nelems St. Please clean-up asap.	Edwin Revell		Submit
C0896	11/03/2011 11:21 AM	Need ROW Debris picked up at this property as soon as possible.	Edwin Revell		Submit

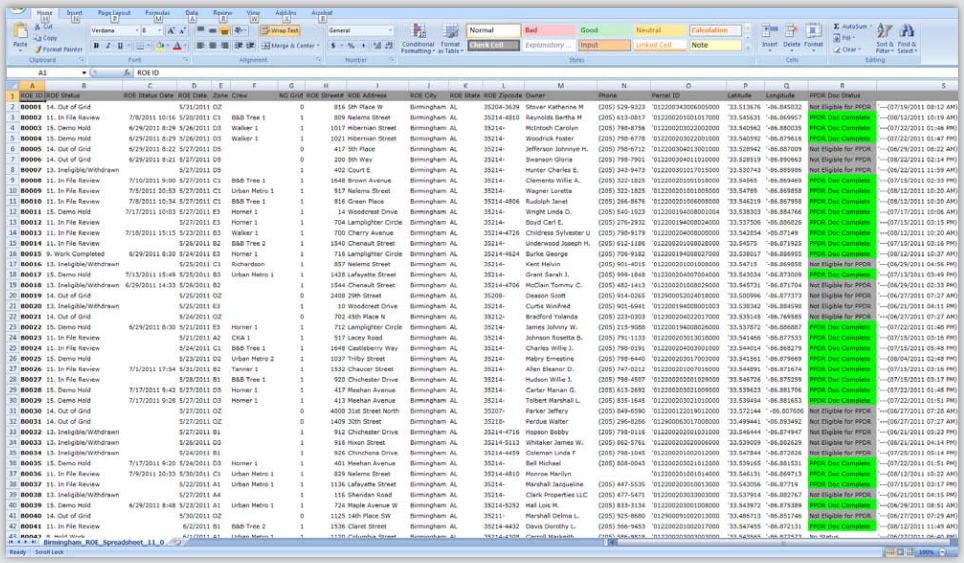
DIGITAL RECORD KEEPING/FILE MANAGEMENT

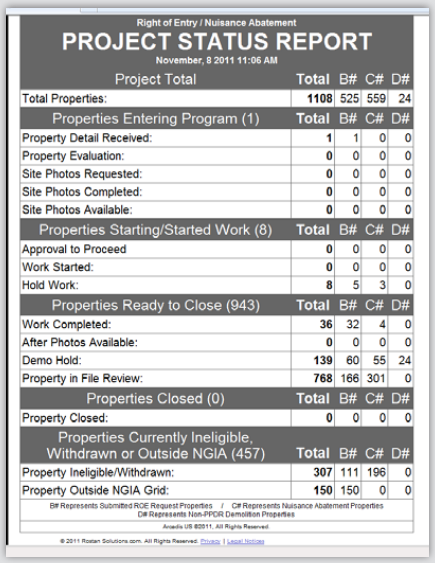
Though paper records are necessary, we digitize as many aspects of the PPDR/Demolition process as possible. This means creating a digital record for each site and managing associated documents. Site specific digital records may include photographs, maps, load tickets, ROE forms, utility letters, occupancy 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

B# Represents Submitted ROE Request Properties / C# Represents Nuisance Abatement Properties
D# Represents Non-PPDR Demolition Properties

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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.

2.4 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

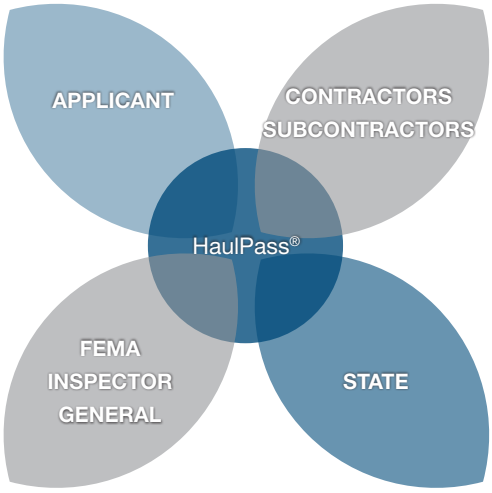
The certification process includes the certification of personnel authorized to operate the HaulPass® system and the certification of hauling or debris removal equipment. The certification process enables the system to perform two primary ticketing functions. These functions are known as hauling tickets (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.

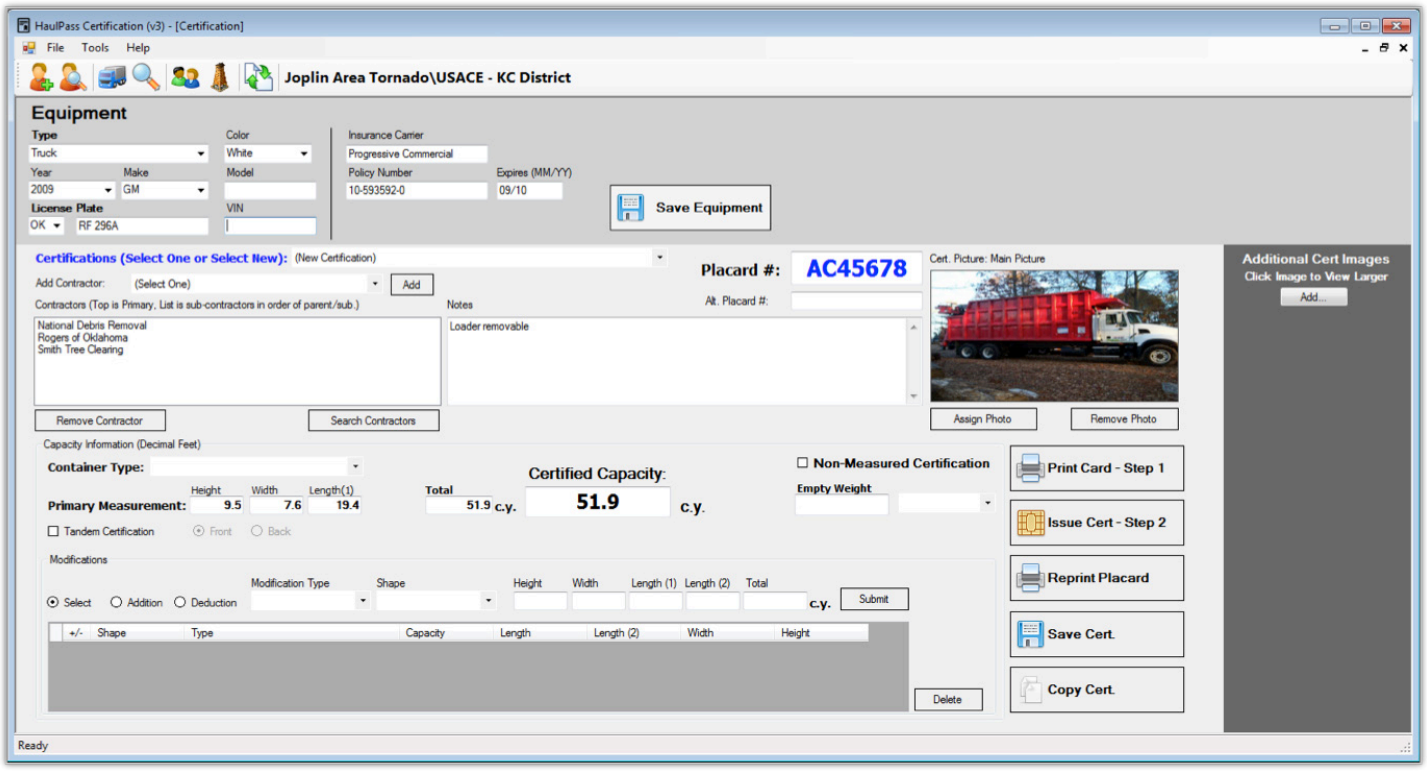
GPS/GIS TECHNOLOGIES

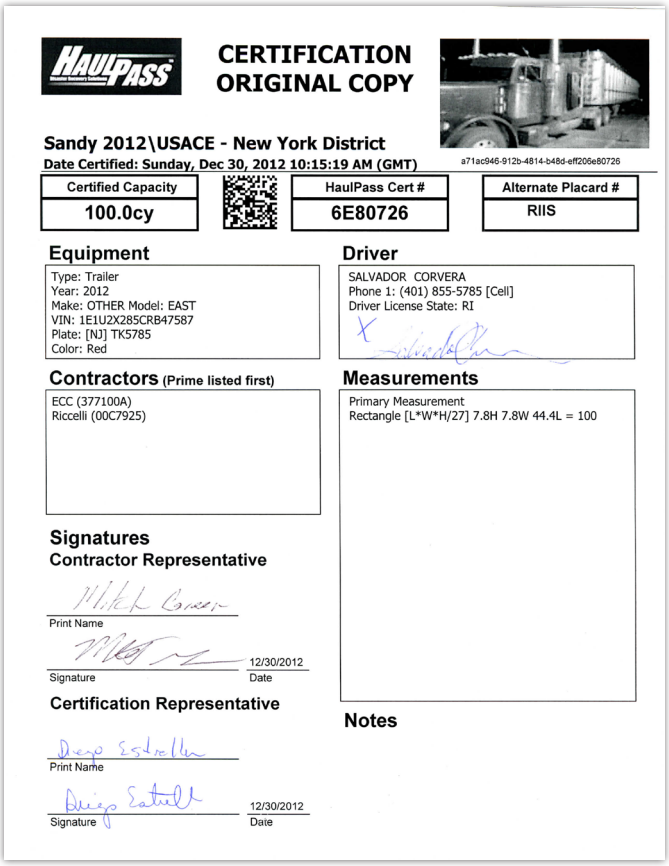
HaulPass® devices record the GPS coordinates of load origination at the time the ticket is initiated in the field. This process is automatic and does not require any manual data entry by the HaulPass® operator — a critical feature in that typically no street signage remains following a tornado event 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 reali-time decisions with respect to contractor deployments, completeness of debris pickup, DMS capacity limitations, haul distances, and more.

HAULPASS® EQUIPMENT CERTIFICATION





HAULPASS

CERTIFICATION ORIGINAL COPY

Sandy 2012\USACE - New York District

Date Certified: Sunday, Dec 30, 2012 10:15:19 AM (GMT)

a71ac946-912b-4814-b48d-eff205e80726

Certified Capacity	HaulPass Cert #	Alternate Placard #
100.0cy	6E80726	RIIS

Equipment

Type: Trailer
Year: 2012
Make: OTHER Model: EAST
VIN: 1E1U2X285CRB47587
Plate: [NJ] TK5785
Color: Red

Driver

SALVADOR CORVERA
Phone 1: (401) 855-5785 [Cell]
Driver License State: RI

Contractors (Prime listed first)

ECC (377100A)
Riccelli (00C7925)

Measurements

Primary Measurement
Rectangle [L*W*H/27] 7.8H 7.8W 44.4L = 100

Signatures

Contractor Representative

Print Name

Signature — Date 12/30/2012

Certification Representative

Print Name

Signature — Date 12/30/2012

Notes

HAULPASS® LOAD RECEIPT

HAULPASS™

Charleston County, SC

Hurricane Matthew - 2016

www.haulpass.com

Ticket #	Cert #	Net Tons
36C740D	EED2C3C	29.83

Contractor Information

Certification #.....EED2C3C
Prime Contractor.....ASHBRITT ENVIRONMENTAL
Sub-Contractor.....DORADO SERVICES INC

Load Information

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

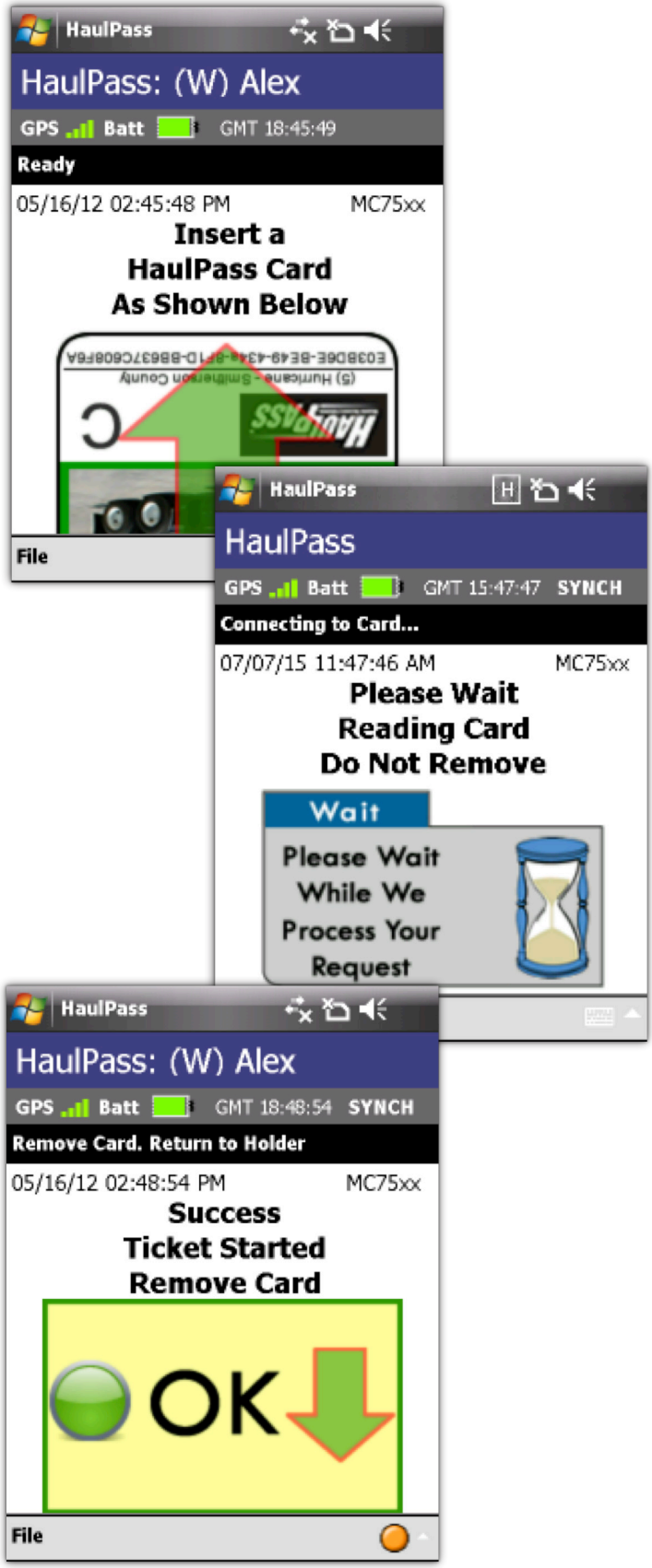
Unload Information

Site Name.....CAROLINA LANDFIILL
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

APPLICANT COPY

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
Hurricane Katrina	2006	Hancock County, MS	USACE — Debris Removal
Ice Storm	2006	Erie County, NY	Stump Removal
Post Hurricane Katrina	2007	Cocodrie and Lafayette, LA	Waterway Debris Removal
Hurricane Ike	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
Earthquake	2010	Port-au-Prince, Haiti	Demolition and Debris Removal
Tornado	2011	Birmingham, AL	Demolition and Debris Removal
Tornado	2011	Joplin, MO	USACE — Demolition and Debris Removal
Hurricane Irene	2011	James City County, VA	Debris Removal
	2011	York County, VA	Debris Removal
	2011	Williamsburg, VA	Debris Removal
Hurricane Sandy	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
Ice Storm	2014	Jenkins County, GA	Debris Removal
Ice Storm	2015	White County, TN	Debris Removal
	2015	Cumberland County, TN	Debris Removal
Flooding	2015	Charleston County, SC	Debris Removal
Tornado	2016	Essex County, VA	Debris Removal
Flooding	2016	Iberia Parish, LA	Debris Removal
Hurricane Matthew	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
Hurricane Harvey	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
Hurricane Irma	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
Hurricane Maria	2017	Puerto Rico	USACE — Debris Removal

ACCOUNTING AND DOCUMENT MANAGEMENT

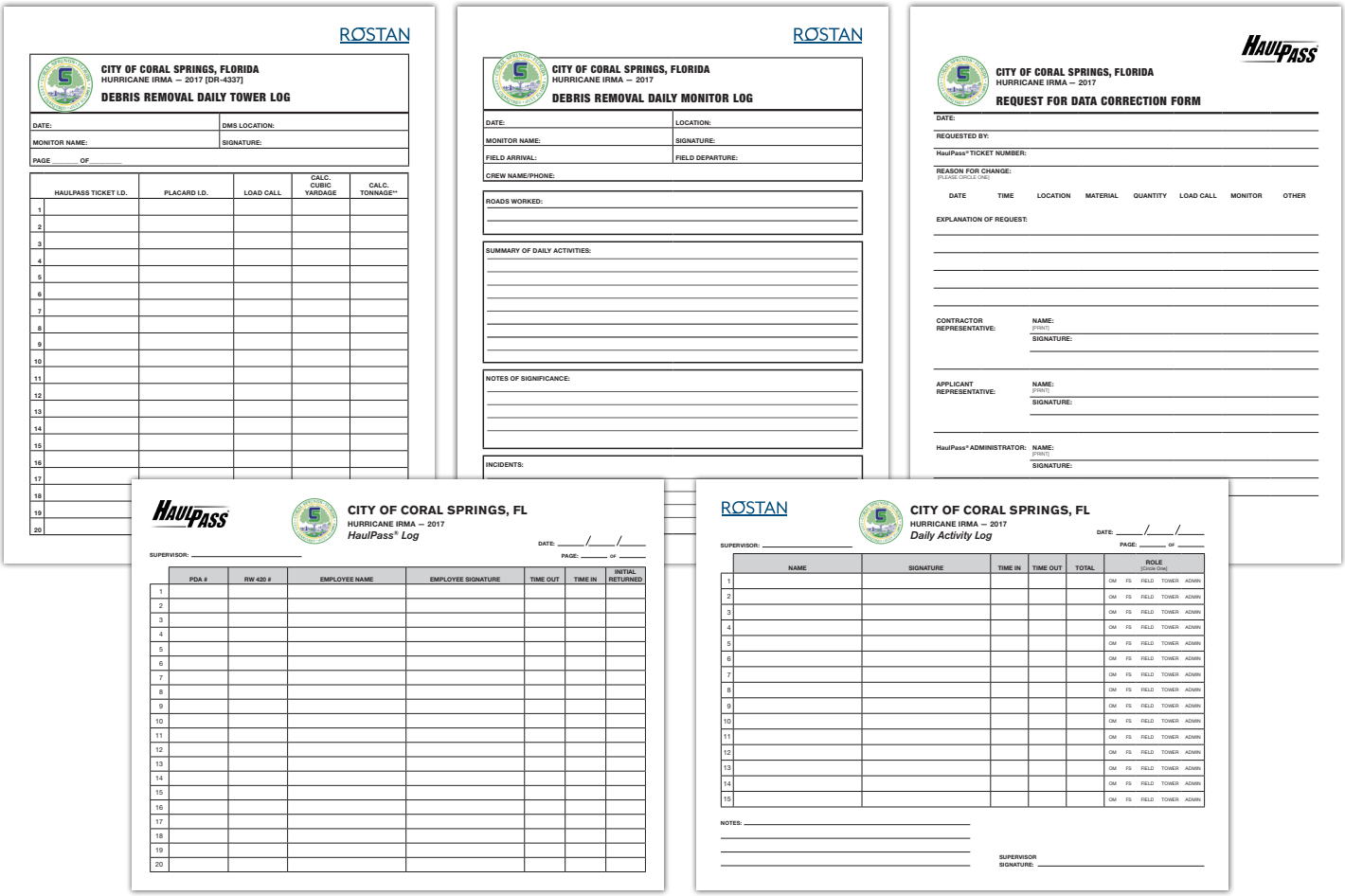
Rostan shall review, validate and reconcile debris management contractor(s) invoices prior to submission to the City for processing. Rostan shall conduct a meeting at the beginning of the debris management operation to fully explain the process to the City and debris contractor(s) representatives. All 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 CIRCLE ONE]

DATE | TIME | LOCATION | MATERIAL | QUANTITY | LOAD CALL | MONITOR | OTHER

EXPLANATION OF REQUEST:

CONTRACTOR REPRESENTATIVE: NAME: [PRINT] SIGNATURE:

APPLICANT REPRESENTATIVE: NAME: [PRINT] SIGNATURE:

HaulPass® ADMINISTRATOR: NAME: [PRINT] 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 [Circle One]
1						OM FS FIELD TOWER ADMIN
2						OM FS FIELD TOWER ADMIN
3						OM FS FIELD TOWER ADMIN
4						OM FS FIELD TOWER ADMIN
5						OM FS FIELD TOWER ADMIN
6						OM FS FIELD TOWER ADMIN
7						OM FS FIELD TOWER ADMIN
8						OM FS FIELD TOWER ADMIN
9						OM FS FIELD TOWER ADMIN
10						OM FS FIELD TOWER ADMIN
11						OM FS FIELD TOWER ADMIN
12						OM FS FIELD TOWER ADMIN
13						OM FS FIELD TOWER ADMIN
14						OM FS FIELD TOWER ADMIN
15						OM FS FIELD TOWER ADMIN

NOTES: _____

SUPERVISOR SIGNATURE: _____

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.

16 FIELD MONITORS
3 TOWER MONITORS
3 FIELD SUPERVISORS
1 MANAGER

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

CHARLESTON COUNTY LOCATIONS

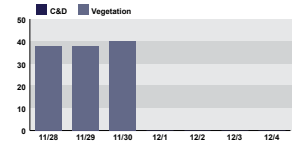
This section includes a summary of roads worked by zone.

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

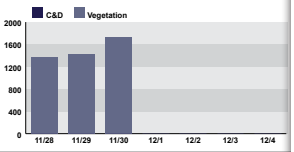
DEBRIS REMOVAL SUMMARY BY LOADING LOCATION

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
[illegible]	0	17	0.00	753.20
[illegible]	0	180	0.00	10,194.50
[illegible]	0	74	0.00	3,678.00

LOADS DAILY TOTALS | WEEK OF NOVEMBER 28, 2016



CUBIC YARDS DAILY TOTALS | WEEK OF NOVEMBER 28, 201



DEBRIS REMOVAL SUMMARY BY DISPOSAL LOCATION — VOLUME

DEBRIS TYPE	LOADS TODAY	TOTAL LOADS	DEBRIS ACCEPTED TODAY [CUBIC YARDS]	DEBRIS ACCEPTED TOTAL [CUBIC YARDS]
CHARLESTON COUNTY LANDFILL				
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
CHARLESTON COUNTY LANDFILL TOTALS	**24**	**4,971**	**1,014.60**	**186,258.39**
RIFLE RANGE DMS				
C&D	0	0	0.00	0.00
VEGETATION	0	10	0.00	445.30
RIFLE RANGE DMS TOTALS	**0**	**10**	**0.00**	**445.30**
MT. PLEASANT TRANSFER STATION				
C&D	0	0	0.00	0.00
VEGETATION	0	374	0.00	17,850.70
MT. PLEASANT TRANSFER STATION TOTALS	**0**	**374**	**0.00**	**17,850.70**
PINE LANDING ROAD DMS				
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
PINE LANDING ROAD DMS TOTALS	**16**	**511**	**711.40**	**15,211.60**
SEEWEE ROAD DMS				
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
SEEWEE ROAD DMS TOTALS	**0**	**2,635**	**0.00**	**152,555.70**
CAROLINA WASTE TRANSFER STATION				
C&D	0	85	0.00	2,818.40
VEGETATION	0	0	0.00	0.00
CAROLINA WASTE TRANSFER STATION TOTALS	**0**	**85**	**0.00**	**2,818.40**
PROJECT TOTALS	**40**	**8,586**	**1,726.00**	**375,140.09**

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

– 3 –

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
PROJECT TOTALS	**38**	**228**	**868.76**	**4,979.36**

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.

LEANER/HANGER SUMMARY

DEBRIS TYPE	TODAY	TOTAL
LEANERS	8	8
HANGERS	50	50
TOTALS	**58**	**58**

ANTICIPATED AREAS OF OPERATION

ED1	WAD1
ED2	WAD2
JO3	N1
JO4	

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

– 4 –

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

ROSTAN Solutions LLC

WHITE COUNTY, TN Debris Management Site [DMS] Report

2015 ICE STORM

DANSON DMS

ADDRESS	GPS LOCATION	TAX MAP
3536 Old Bon Air Road Sparta, TN 38583	N 35.92967 - W 85.35422	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

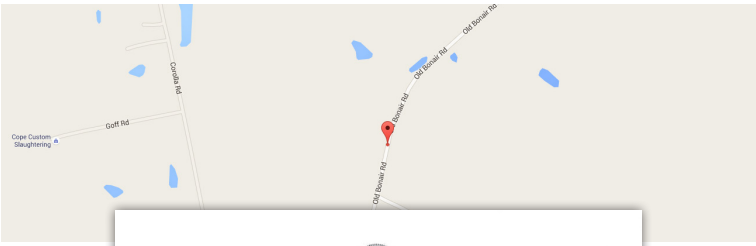
A grand total of 2,637 truckloads of vegetative debris were brought into DANSON DMS, totaling 118,530.89 cubic yards of debris.

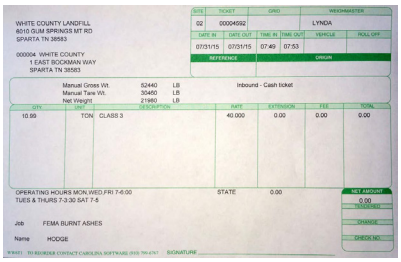
EXHIBITS

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

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.





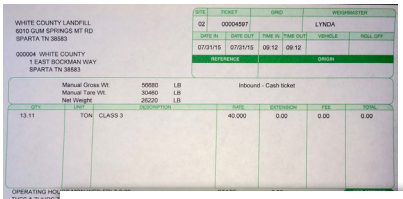


Exhibit G: Landfill Scale Rec

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 1-888-891-8332 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.

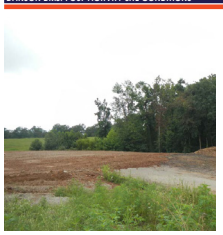
1200-3-4-.04 EXCEPTIONS TO PROHIBITION.

(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



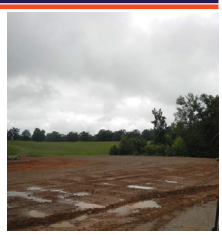
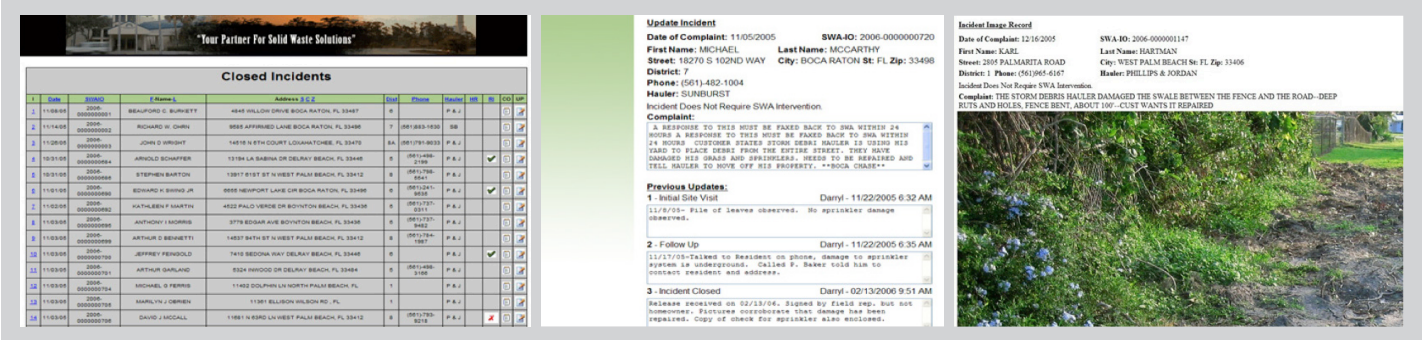


Exhibit E: Site Photos – 8 –

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.



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.

DISASTER DEBRIS MONITORING SERVICES

RFP NO. 2018-018 | AUGUST 23, 2018

DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF MARGATE, FLORIDA

SECTION 3 — COST PROPOSAL FORM

SUBMITTED BY

ROSTAN SOLUTIONS, LLC
3433 Lithia Pinecrest Road
Suite 287
Valrico, Florida 33596
Sam Rosania, Exec. V.P.
Email: srosania@rostan.com
Tel: 813.505.1313
Fax: 813.333.7330
www.rostan.com

ATTACHMENT B - RFP 2018-018

PROPOSAL FORM

DISASTER DEBRIS MONITORING SERVICES

The hourly rates shall include all costs, all applicable overhead, and profit.

Key Positions – Provide resumes for the Project Manager and Operations Manager. Provide job descriptions for other key positions listed.

POSITIONS	HOURLY RATES	EST. HOURS*	TOTAL
Field Supervisor	$ 44.00	210	$ 9,240.00
Debris Site/Tower Monitors	$ 35.00	1,740	$ 60,900.00
Field Coordinators (Crew Monitors)	$ 33.00	7,830	$ 258,390.00
Project Manager	$ 82.00	80	$ 6,560.00
Operations Manager	$ 70.00	100	$ 7,000.00
FEMA Coordinator	$ 130.00	20	$ 2,600.00
Scheduler/Expeditors	$ 40.00	100	$ 4,000.00
GIS Analyst	$ 65.00	20	$ 1,300.00
Environmental Specialist	$ 70.00	30	$ 2,100.00
Project Inspector (Citizen Site Monitors)	$ 30.00	3,920	$ 117,600.00
Load Ticket Date Entry Clerks (QA / QC)	$ *0.00	2,180	$ 0.00
Billing / Invoice Analysts	$ 50.00	60	$ 3,000.00
Administrative Assistants	$ 28.00	150	$ 4,200.00
Total			$----------

(ADMS utilization discounts the need for this role)

Other required positions – Proposer may include other positions, with hourly rates and attach job description for each position

POSITIONS	HOURLY RATES	EST. HOURS*	TOTAL
Data Manager**	$ 70.00	25	$ 1,750.00

*These hours are not intended to represent the actual contract amount, but are an estimated representation of a typical event. This is a "requirements" based contract and no minimum amount of hours/work is guaranteed or implied.

** Data Manager: oversees the entering, tabulating, and organization of collection and disposal data into required formats in compliance with requirements of FEMA, FHWA, and all other applicable federal, state, and local agencies. The Data Manager provides the City,

debris contractors, and applicable public agencies with regular updates on the quantities and types of debris collected. The Data Manager also designs and implements quality assurance and control processes for the review and verification of field and debris contractor-provided data in support of invoices. The Data Manager serves as the City's representative in meetings with representatives of the Debris Contractor(s), State of Florida, FEMA, or other federal, state, or local agency speaking to data-related issues.

Note: Provide both unit price and extended total. Price **must** be stated in the units shown in the proposal form, and extended based on the quantities specified in the proposal requirements herein. In case of a discrepancy in computing the amount of the bid, the unit price quoted will govern and the total will be adjusted accordingly.

No spaces are to be left blank, but should be marked as follows:

N/A = Not Applicable
N/C = No Charge
N/B = No Bid
Spaces marked with a zero (0) will be considered no charge.

City of Margate Travel and Subsistence Policy and Allowances

The City of Margate will not pay and/or reimburse any additional costs including, but not limited to, travel, mileage, lodging, meals, and other travel and subsistence expenses. Price submittals should be inclusive of all such expenses.

Proposer's Name: Sam Rosania, Executive Vice President

Proposer's Signature: _____

Date: August 21, 2018

DISASTER DEBRIS MONITORING SERVICES

RFP NO. 2018-018 | AUGUST 23, 2018

DISASTER DEBRIS MONITORING SERVICES FOR THE CITY OF MARGATE, FLORIDA

SECTION 4 — ADDITIONAL FORMS

SUBMITTED BY

ROSTAN SOLUTIONS, LLC
3433 Lithia Pinecrest Road
Suite 287
Valrico, Florida 33596
Sam Rosania, Exec. V.P.
Email: srosania@rostan.com
Tel: 813.505.1313
Fax: 813.333.7330
www.rostan.com

In response to the requirements listed in RFP Section IV. References, provided below is a list and description of similar projects satisfactorily performed by Rostan within the past five (5) years, including the name and telephone number of a project representative.

CLIENT	STATE	YEAR	FEMA DECLARATION	CONTRACT POSITION	CONTACT
Charleston County	SC	2017	DR-4346	Prime	Department of Public Works, James R. Neal, Public Works Director, 4045 Bridge View Drive, North Charleston, SC 29405, 843-202-7600, jneal@charlestoncounty.gov
City of Tybee Island	GA	2017	DR-4338	Prime	Angela Hudson, Director of Finance and General Administration, City of Tybee Island, P. O. Box 2749, Tybee Island, Georgia 31328-2749, Telephone (912) 472-5021, Fax (912) 786-9465, ahudson@cityoftybee.org
City of Belleair Beach	FL	2017	DR-4337	Prime	Lynn Rives, Community Services Director, 444 Causeway Blvd., Belleair Beach, FL 33786, Lynn.Rives@CityofBelleairBeach.com
City of Belleair Bluffs	FL	2017	DR-4337	Prime	Alexis A. Silcox, Administration Dept., 2747 Sunset Blvd., Belleair Bluffs, FL 33770, 727-584-2151, asilcox@belleairbluffs-fl.gov
Broward County Public Schools	FL	2017	DR-4337	Sub	Josh Norman, GPS Strategies Corp., Resilience & Recovery Manager, 70 Corporate Center, 11000 Broken Land Parkway, Suite 200, Columbia, MD 21044, (972) 978-0949, jnorman@gpstrategies.com
City of Coconut Creek	FL	2017	DR-4337	Prime	Jim Berkman, Director of Public Works, 4900 W. Copans Road, Coconut Creek, FL 33063, 954-956-1415,JBerkman@coconutcreek.net
City of Coral Springs	FL	2017	DR-4337	Prime	Public Works Administration, Rich Michaud, Director of Public Works, 9500 W. Sample Rd., Coral Springs, FL 33065, 954-344-1165, rmichaud@coralsprings.org
Coral Springs Improvement District	FL	2018	DR-4337	Prime	David McIntosh, Director of Utilities, 10300 NW 11th Manor, Coral Springs, FL, 33071, 954-796-6614, davidm@fladistricts.com
City of Dania Beach	FL	2017	DR-4337	Prime	Brad Kaine, Director of Public Services, 1201 Stirling Road, Dania Beach, FL 33004, 954-924-6808, bkaine@daniabeachfl.gov
Village of Estero	FL	2017	DR-4337	Prime	Randall Brodersen, Public Works Contract Administratior, 9401 Corkscrew Palms Circle, Estero, FL 33914, 239-319-2841
New College of Florida	FL	2017	DR-4337	Prime	Alan Burr, Director, Facilities & Construction, 5800 Bay Sore Road, Sarasota, FL, 34243, 941-487-4245, aburr@ncf.edu
Town of Indian Shores	FL	2017	DR-4337	Prime	Bonnie Dhonau, Town Administrator, 19305 Gulf Blvd., Indian Shores, FL 33785, 727.474.7777
City of Madeira Beach	FL	2017	DR-4337	Prime	Derryl O'Neal, Acting City Manager, 300 Municipal Dr., Madeira Beach, FL 33708, LLafave@madeirabeachfl.gov
Martin County	FL	2017	DR-4337	Prime	Public Works Department, James Gorton, Deputy Director, 2151 SE Aviation Way, Stuart, FL 34996, 772-219-4905, jgorton@martin.fl.us
City of North Port	FL	2017	DR-4337	Prime	Department Of Public Works, Monica Bramble, Assistant Public Works Director, 1100 N. Chamberlain Blvd., North Port, FL 34286, 941-240-8060, mbramble@ cityofnorthport.com
Town of Palm Beach	FL	2017	DR-4337	Prime	Eric Brown, P.E., Assistant Director, Public Works Department, 951 Old Okeechobee Road, West Palm Beach, FL 33401, 561-227-7025,EBrown@townofpalmbeach.com
City of Port St. Lucie	FL	2017	DR-4337	Sub	Gary Jones, CapTec Engineering, Inc. 301 NW Flagler Avenue, Stuart, FL 34994, 772-692-4344, gjones@gocaptec.com
Town of Redington Shores	FL	2017	DR-4337	Prime	Bert Adams, Mayor, 17425 Gulf Blvd., Redington Shores, FL 33708, depclerk@ townofredingtonshores.com
City of St. Pete Beach	FL	2017	DR-4337	Prime	Michael F. Clarke, Director, Public Works Department, 155 Corey Avenue, St. Pete Beach, FL 33706, 727-363-9243, mclarke@stpetebeach.org
Sunshine Water Control District	FL	2018	DR-4337	Prime	Corey Selchan, District Superintendent, 10300 NW 11th Manor, Coral Springs, FL 33071, 954-796-6619, corys@fladistricts.com
Town of Windermere	FL	2017	DR-4337	Prime	Scott Brown, Public Works Director, Town of Windermere, 614 Main Street, 407-876-2563 x5325, sbrown@town.windermere.fl.us
Town of Sewall's Point	FL	2017	DR-4337	Sub	Gary Jones, CapTec Engineering, Inc. 301 NW Flagler Avenue, Stuart, FL 34994, 772-692-4344, gjones@gocaptec.com
City of Winter Springs	FL	2017	DR-4337	Prime	Shawn Boyle, Director of Finance and Administrative Services. sboyle@ winterspringsfl.org, Phone: 407-327-5960
USACE Jacksonville District / Xpert's - Puerto Rico	PR	2017-2018	DR-4336	Sub	U.S. Army Corps Of Engineers, John G. Fogarty, P.E., Debris SME/ Resident Engineer, 7400 Leake Avenue, New Orleans, LA 70118, 504-628-5054, John.G.Fogarty@usace.army.mil
Hardin County	TX	2017	DR-4332	Sub	Matt Thomey, Providence Engineering, 1201 Main Street, Baton Rouge, LA 70802, 318-261-1030, matthewthomey@providenceeng.com
City of Kountze	TX	2017	DR-4332	Sub	Matt Thomey, Providence Engineering, 1201 Main Street, Baton Rouge, LA 70802, 318-261-1030, matthewthomey@providenceeng.com
City of Lumberton	TX	2017	DR-4332	Sub	Matt Thomey, Providence Engineering, 1201 Main Street, Baton Rouge, LA 70802, 318-261-1030, matthewthomey@providenceeng.com
City of Orange	TX	2017	DR-4332	Sub	Fire Department, Lee Anne Brown, Deputy Fire Chief/EMC, 501 N. 7th Street, Orange, TX 77630, 409-988-7359, lbrown@orangefd.com

Village of Piney Point	TX	2017	DR-4332	Sub	Josh Norman, GPS Strategies Corp., Resilience & Recovery Manager, 70 Corporate Center, 11000 Broken Land Parkway, Suite 200, Columbia, MD 21044, (972) 978-0949, jnorman@gpstrategies.com
City of Rose Hill Acres	TX	2017	DR-4332	Sub	Matt Thomey, Providence Engineering, 1201 Main Street, Baton Rouge, LA 70802, 318-261-1030, matthewthomey@providenceeng.com
City of Sour Lake	TX	2017	DR-4332	Sub	Matt Thomey, Providence Engineering, 1201 Main Street, Baton Rouge, LA 70802, 318-261-1030, matthewthomey@providenceeng.com
Essex County	VA	2016	N/A	Prime	VPPSA [Virginia Peninsulas Public Service Authority], Stephen Geissler, Executive Director, 475 McLaws Circle, Suite 3B, Williamsburg, Virginia 23185, 757-800-3535 phone, 757-259-9855 fax, SBGeissler@vppsa.org
Berkeley County	SC	2016	DR-4286	Sub	Josh Norman, GPS Strategies Corp., Resilience & Recovery Manager, 70 Corporate Center, 11000 Broken Land Parkway, Suite 200, Columbia, MD 21044, (972) 978-0949, jnorman@gpstrategies.com
Charleston County	SC	2016	DR-4286	Prime	Department of Public Works, James R. Neal, Public Works Director, 4045 Bridge View Drive, North Charleston, SC 29405, 843-202-7600, jneal@charlestoncounty.gov
City of Garden City	GA	2016	DR-4284	Prime	Ronald Feldner, P.E., City Manager, 100 Central Avenue, Garden City, GA 31405, 912-966-7777, rfeldner@gardencity-ga.gov
City of Port St. Lucie	FL	2016	DR-4283	Sub	Gary Jones, CapTec Engineering, Inc. 301 NW Flagler Avenue, Stuart, FL 34994, 772-692-4344, gjones@gocaptec.com
Martin County	FL	2016	DR-4283	Prime	Public Works Department, James Gorton, Deputy Director, 2151 SE Aviation Way, Stuart, FL 34996, 772-219-4905, jgorton@martin.fl.us
Town of Sewall's Point	FL	2016	DR-4283	Sub	Gary Jones, CapTec Engineering, Inc. 301 NW Flagler Avenue, Stuart, FL 34994, 772-692-4344, gjones@gocaptec.com
Iberia Parish	LA	2016	DR-4277	Prime	Michael Broussard | Purchasing Officer, IBERIA PARISH GOVERNMENT, 300 Iberia Street, Suite 400 | New Iberia, LA 70560, tel 337.492.5412 | mobile 337.349.5801 | fax 337.492.5690, mbroussard@iberiagov.net | www.iberiaparishgovernment.com
Charleston County	SC	2015	DR-4241	Prime	Department of Public Works, James R. Neal, Public Works Director, 4045 Bridge View Drive, North Charleston, SC 29405, 843-202-7600, jneal@charlestoncounty.gov
Cumberland County	TN	2015	DR-4211	Prime	B. Nathan Brock, Finance Director, 2 North Main Street, Suite 303, Crossville, Tennessee 38555, 931-484-8212, finance@cumberlandcountytn.gov
White County	TN	2015	DR-4211	Prime	Denny Wayne Robinson, County Executive, 1 East Bockman Way, Room 205, Sparta, Tennessee 38583, 931-836-3203, executive@whitecountytn.gov
Jenkins County	GA	2014	DR-4165	Prime	Grady Saxon, County Administrator, 833 East Winthrope Avenue, Millen, Georgia 30442, 478-982-2563 office, 706-871-2979 cell, gsaxon1@yahoo.com
Borough of Keansburg	NJ	2013	DR-4086	Prime	Ed Striedl, CFM, 29 Church St., Keansburg, NJ 07734, 732-978-3280 cell, ed.striedl@keansburg-nj.us
NJDEP – Waterway Debris Monitoring	NJ	2012-2014	DR-4086	Prime	OFFICE OF DREDGING TECHNOLOGY, Suzanne U. Dietrick, Chief Site Remediation Program , 401 E. State Street, Trenton, NJ 08625, 609-292-8838 office, 609-439-6673 cell, suzanne.dietrick@dep.state.nj.us
Township of Brick	NJ	2012-2014	DR-4086	Prime	Department of Public Works, Patricia Totaro, Recycling Coordinator, 836 Ridge Road, Brick, NJ 08724, 732-451-4066 office, 732-581-1694 cell, ptotaro@twp.brick.nj.us

Additionally, in response to the questions listed in RFP Section IV. References:

Rostan currently holds seven (7) other contracts for similar services in the Miami-Dade, Broward, and Palm Beach counties as Prime Contractor.

Rostan currently holds 20 other contracts in the Southeast United States for similar services as Prime Contractor, and three (3) as a Subcontractor.

OFFEROR'S CERTIFICATION

WHEN OFFEROR IS A PARTNERSHIP

IN WITNESS WHEREOF, the Offeror hereto has executed this Proposal Form this 21st day of August, 2018.

Rostan Solutions, LLC
Printed Name of Partnership

By: _____
Signature of General or Managing Partner

Sam Rosania
Printed Name of Partner

3433 Lithia Pinecrest Road, Suite 287
Business Address

Valrico, FL 33596
City/State/Zip

813.333.7042
Business Phone Number

Florida
State of Registration

Witness

Witness

State of South Carolina

County of Dorchester

The foregoing instrument was acknowledged before me this 21st day of August, 2018,

by Sam Rosania (Name), Executive Vice President (Title) of

Rostan Solutions, LLC (Name of Company) who is personally known to

me or who has produced Drivers License as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

NOTARY PUBLIC

HEATHER M. BISHOP
Notary Public, State of South Carolina
My Commission Expires 9/26/2027

(Name of Notary Public: Print, Stamp, or type as Commissioned)

NON-COLLUSIVE AFFIDAVIT

State of South Carolina)
)ss.
County of Dorchester)

Sam Rosania being first duly sworn, deposes and says that:

(1) He/she is the Executive Vice President, (Owner, Partner, Officer, Representative or Agent) of Rostan Solutions, LLC the Bidder that has submitted the attached Bid;

(2) He/she is fully informed regarding the preparation and contents of the attached Bid and of all pertinent circumstances regarding such Bid;

(3) Such Bid is genuine and is not a collusive or sham Bid;

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm, or person to submit a collusive or sham Bid in connection with the Work for which the attached Bid has been submitted; or to refrain from bidding in connection with such Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any Bidder, firm, or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit, or cost elements of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Work;

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any other of its agents, representatives, owners, employees or parties in interest, including this affiant.

Signed, sealed and delivered
in the presence of:

HMBishop

Heather M. Bishop

By:

Sam Rosania
(Printed Name)

Executive Vice President
(Title)

ACKNOWLEDGMENT

State of South Carolina
County of Dorchester

The foregoing instrument was acknowledged before me this 21st day of August, 2018, by Sam Rosania, who is personally known to me or who has produced Drivers License as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

HMBishop

NOTARY PUBLIC

HEATHER M. BISHOP
Notary Public, State of South Carolina
My Commission Expires 9/26/2027

(Name of Notary Public: Print, Stamp, or Type as Commissioned)

OFFEROR'S
QUALIFICATION STATEMENT

The undersigned certifies under oath the truth and correctness of all statements and of all answers to questions made hereinafter:

SUBMITTED TO: City of Margate (Purchasing Manager)

ADDRESS: 5790 Margate Boulevard
Margate, Florida 33063

CIRCLE ONE

SUBMITTED BY: Rostan Solutions, LLC — Corporation
NAME: Sam Rosania — Partnership
ADDRESS: 3433 Lithia Pinecrest Road, Suite 287, Valrico, FL 33596 — Individual
PRINCIPAL OFFICE: 3433 Lithia Pinecrest Road, Suite 287, Valico, FL 33596 — Other

1. State the true, exact, correct and complete name of the partnership, corporation, trade or fictitious name under which you do business and the address of the place of business.

   The correct name of the Offeror is: Rostan Solutions, LLC

   The address of the principal place of business is:

   3433 Lithia Pinecrest Road, Suite 287

   Valrico, FL 33596

2. If Offeror is a corporation, answer the following:

   a. Date of Incorporation: N/A

   b. State of Incorporation: _____

   c. President's name: _____

   d. Vice President's name: _____

   e. Secretary's name: _____

   f. Treasurer's name: _____

   g. Name and address of Resident Agent: _____

3. If Offeror is an individual or a partnership, answer the following:

a. Date of organization: August 2006

b. Name, address and ownership units of all partners:

Darius Stankunas and Sam Rosania - Partners

3433 Lithia Pinecrest Road, Suite 287, Valrico, FL 33596

c. State whether general or limited partnership: Small Business Enterprise - Limited Liability Company - State of Florida

4. If Offeror is other than an individual, corporation or partnership, describe the organization and give the name and address of principals:

Small Business Enterprise - Limited Liability Company - State of Florida

Darius Stankunas and Sam Rosania

3433 Lithia Pinecrest Road, Suite 287, Valrico, FL 33596

5. If Offeror is operating under a fictitious name, submit evidence of compliance with the Florida Fictitious Name Statute.

N/A

6. How many years has your organization been in business under its present business name? 12

   a. Under what other former names has your organization operated?

      Malcom Pirnie, Inc.

7. Indicate registration, license numbers or certificate numbers for the businesses or professions which are the subject of this RFP. Please attach certificate of competency and/or state registration.

   Florida Limited Liability License No. L14 000169270 - License at Section 1.2 of proposal

8. Have you ever failed to complete any work awarded to you? If so, state when, where and why?

   No.

THE OFFEROR ACKNOWLEDGES AND UNDERSTANDS THAT THE INFORMATION CONTAINED IN RESPONSE TO THIS QUALIFICATIONS STATEMENT SHALL BE RELIED UPON BY OWNER IN AWARDING THE CONTRACT AND SUCH INFORMATION IS WARRANTED BY OFFEROR TO BE TRUE. THE DISCOVERY OF ANY OMISSION OR MISSTATEMENT THAT MATERIALLY AFFECTS THE OFFEROR'S QUALIFICATIONS TO PERFORM UNDER THE CONTRACT SHALL CAUSE THE OWNER TO REJECT THE PROPOSAL, AND IF AFTER THE AWARD TO CANCEL AND TERMINATE THE AWARD AND/OR CONTRACT.

_____
(Signature)

State of South Carolina

County of Dorchester

The foregoing instrument was acknowledged before me this 21st day of August, 2018, by Sam Rosania, who is personally known to me or who has produced Drivers License as identification and who did (did not) take an oath.

WITNESS my hand and official seal.

_____
NOTARY PUBLIC

HEATHER M. BISHOP
Notary Public, State of South Carolina
My Commission Expires 9/26/2027

(Name of Notary Public: Print, Stamp, or Type as Commissioned)

BYRD ANTI LOBBYING CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

To be submitted with each bid or offer exceeding $100,000

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The Contractor, Rostan Solutions, LLC, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. §3801 *et seq.* apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Sam Rosania, Executive Vice President

Name and Title of Contractor's Authorized Official

Date August 21, 2018

STATEMENT OF COMPLIANCE - SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS

The undersigned Contractor hereby swears under penalty of perjury that Contractor took the following affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms were used when possible:

(1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
(2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
(3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
(4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and
(5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

Dated August 21, 20 18

Rostan Solutions, LLC
Contractor
By _____
(Signature)

By Sam Rosania, Executive Vice President
(Name and Title)

STATE OF South Carolina)
) SS.
COUNTY OF Dorchester)

The foregoing instrument was acknowledged before me this 21 day of August, 20 18, by Sam Rosania who is personally known to me or who has produced Drivers License as identification and who did/did not take an oath.
WITNESS my hand and official seal, this 21 day of August, 20 18.
(NOTARY SEAL)

HMBishop

_____
(Signature of person taking acknowledgment)

Sam Rosania
(Print Name of officer taking acknowledgment)

HEATHER M. BISHOP
Notary Public, State of South Carolina
My Commission Expires 9/26/2027

Executive Vice President
(Title or rank)

My Commission expires:
(Serial number, if any)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/25/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Lassiter-Ware Insurance of Tampa Bay
1300 N. Westshore Blvd.
Suite 110
Tampa, FL 33607

CONTACT NAME: Shelia Robertson
PHONE (A/C, No, Ext): (800)845-8437 FAX (A/C, No): (888)883-8680
E-MAIL ADDRESS: SheliaR@lassiter-ware.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Nautilus Insurance Company	17370
INSURER B : The Travelers Indemnity Company	25658
INSURER C : Travelers Casualty & Surety Co	19038
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Rostan Solutions, LLC
3433 Lithia Pinecrest Road
Suite 287
Valrico, FL 33596

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Contractors Pollution GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC			ECP2024046-10	9/29/2017	9/29/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
B	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			BA6D62686217GRP	9/29/2017	9/29/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) PIP-Basic	$ 1,000,000 $ $ $ $ 10,000
A	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED RETENTION $			FFX2024047-10	9/29/2017	9/29/2018	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000 $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		XAUB4149T66A17	9/29/2017	9/29/2018	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
A	Professional Liab Limits Included with General Liab			ECP2024046-10 Claims-Made	9/29/2017	9/29/2018	Each Claim Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

~Evidence of Insurance
c/o Rostan Solutions, LLC
3433 Lithia Pinecrest Road
Suite 287
Valrico, FL 33596

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
P Schmaltz/WENDTY

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ACKNOWLEDGEMENT FORM

ADDENDUM NO. 1

BID NO. 2018-018
DISASTER DEBRIS MONITORING SERVICES

I acknowledge receipt of Addendum No. 1 for Bid No. 2018-018, Disaster Debris Monitoring Services. This addendum contains four (4) pages. Please include the original of this form in your bid submission.

Company Name: Rostan Solutions, LLC

Address: 3433 Lithia Pinecrest Road, Suite 287, Valrico, FL 33596

Name of Signer: Sam Rosania
(please print)

Signature: _____ Date: 8/16/2018

Telephone: 813.333.7042 Cell: 813.505.1313 Facsimile: 813.333.7330

Please fax your completed form to (954) 935-5258 or e-mail to purchase@margatefl.com.

Wylene Sprouse, CPPB
Purchasing Supervisor
08/16/2018

The RFP submission deadline remains Thursday, August 23, 2018 at 2:00 P.M. local time.

NOTE: The original of this form must be included with your bid submission.