DAVID MILLER, P.E.
CHIEF MAINTENANCE ENGINEER
LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
BEFORE WE GET STARTED

• STATE EMERGENCY OPERATIONS PLAN (EOP)
  • 14 EMERGENCY SUPPORT FUNCTIONS (ESF)
  • DOTD ASSIGNED TWO EMERGENCY SUPPORT FUNCTIONS
EMERGENCY SUPPORT FUNCTIONS (ESF)

- ESF-1 TRANSPORTATION (EMERGENCY EVACUATION –PEOPLE)
- ESF-2 COMMUNICATIONS
- ESF-3 PUBLIC WORKS & ENGINEERING (DEBRIS, LEVEES, ROADWAY, BRIDGES, ENGINEERING)
- ESF-4 FIREFIGHTING
- ESF-5 EMERGENCY MANAGEMENT
- ESF-6 MASS CARE, EMERGENCY ASSISTANCE, HOUSING & HUMAN SERVICES
- ESF-7 LOGISTICS, MANAGEMENT AND RESOURCE SUPPORT
- ESF-8 PUBLIC HEALTH AND EMERGENCY SERVICES
- ESF-9 SEARCH & RESCUE
- ESF-10 OIL SPILL, HAZARDOUS MATERIALS
- ESF-11 AGRICULTURE & NATURAL RESOURCES
- ESF-12 ENERGY
- ESF-13 PUBLIC SAFETY & SECURITY
- ESF-14 LONG-TERM COMMUNITY RECOVERY & MITIGATION
- ESF-15 EXTERNAL AFFAIRS
- ESF-16 MILITARY SUPPORT
ESF-1 TRANSPORTATION

- DOTD PROVIDES EVACUATION TRANSPORTATION FOR RESIDENTS AND VISITORS IN LOUISIANA DURING EMERGENCY SITUATIONS.
  - ASSIST WITH SEARCH & RESCUE
  - CITY, PARISH, REGIONAL EVACUATION OF INDIVIDUALS TO SHELTERS IN STATE AND OUT OF STATE
  - MOVEMENT OF EMERGENCY RESPONDERS
  - RETURN FROM SHELTERS TO HOME AREA
ESF-3 PUBLIC WORKS & ENGINEERING

- DEBRIS REMOVAL
- LEVEE SUPPORT
- ROADWAY MAINTENANCE
- BRIDGE INSPECTION AND MAINTENANCE
- FLOOD CONTROL (SAND AND SAND BAGS – AQUA DAM, ETC.)
- TRANSPORTATION OF “STUFF”
- INTERMODAL
- ENGINEERING
MARCH 2016 FLOOD EVENT
LOUISIANA
MARCH 2016 FLOOD EVENT

• OVER 26 INCHES OF RAIN
• SABINE RIVER CRESTED NEARLY 6 FEET ABOVE THE ALL TIME HIGH RECORD
• TOLEDO BEND DAM WAS IN DANGER OF OVERTOPPING
• THREE INTERSTATE ROUTES CLOSED
BRIDGE FAILURE
FAST MOVING WATER AND WASHOUTS
THE SABINE RIVER PEAKED AT 6 FT ABOVE THE PREVIOUS RECORD
STREAM-BED PROFILE CHALLENGES
AUGUST 2016 FLOOD EVENT
LOUISIANA
- The worst US Natural Disaster since Hurricane Sandy in 2012
- Over 146,000 homes damaged in LA
- FEMA has approved $132M for assistance
- The rainfall began on August 11th
- Declared a ‘Disaster’ on August 14th
- By August 15, 2016, an estimated 7 trillion gallons of water had fallen
- Thousands of businesses damaged
- Rainfall exceeded 30 inches in multiple parishes
- Record breaking water levels in the Amite and Comite Rivers
• Approximately 265,000 children were out of school (nearly 30% of the school-aged population in Louisiana)
• Estimated 21 schools closed in only two parishes
New Juban Crossing Development @ Interstate 12 in Denham Springs
Interstate 12 WB – Denham Springs

- 4 Interstates closed
- Over 400 roads closed at the peak of the event
- $22 million in damage to FHWA routes
- $4.3 million in FEMA routes
- $6 million in Debris
- $10 million in the initial response
- 120 bridges damaged
- 17 closed
- 4900 bridge inspections
PORT VINCENT - BEFORE
PORT VINCENT - AFTER
- 13 people confirmed dead
- Caskets floating out of the ground in multiple cemeteries
LA 10 in St. Helena Parish
Woman's Hospital at risk for flooding
Aqua Dam’s deployed at Woman’s Hospital
Aqua Dam’s deployed at Woman’s Hospital
Crews begin setup of the Aqua Dam to surround Woman’s Hospital – Alongside Louisiana National Guard and DCI Inmates
Aqua Dam’s deployed at US 190
Damaged Bridges
THE CAJUN NAVY TO THE RESCUE
Don’t worry...

We’re Fine Here in Louisiana!