



ANNEX H

HURRICANE RESPONSE

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ANNEX H**HURRICANE RESPONSE****I. PURPOSE**

To describe MDOT's operational concepts for the preparation, response and recovery to the State Transportation System from a Hurricane. State Maintained Highway Routes under contract at the time of an emergency response will be handled as follows: The contractor will be paid for work required to restore and/or maintain traffic which is caused by snow, ice, major flooding, landslide or phenomenon of nature such as an earthquake, hurricane, tornado, etc. when damage from such cause is beyond the control of and without the fault or negligence of the contractor.

II. SITUATION

- A. Hurricanes hit Mississippi, especially the Gulf Coast Area. Hurricanes are major storms, perhaps the gravest of Mother Nature's disasters. A hurricane is a tropical cyclone with winds exceeding 75 miles per hour. These winds assume a counter clockwise circular motion around the center of the lowest pressure. As the hurricane develops, the circular motion becomes more violent and often reaches speeds exceeding 100 miles per hour.
- B. MDOT preparedness is essential. Climatologists agree that hurricanes tend to be cyclical. Most now say the United States is entering a 30-year cycle of increased hurricane activity. The question becomes not if the big one will hit, but when. Normally there is a 24-hour warning period for hurricanes, but sudden changes in the direction of travel and the condition result in a shorter period of warning.
- C. Mississippi could be asked by the State of Louisiana to assist them with the evacuation of New Orleans should that area be subjected to a major hurricane. This assistance would involve the implementation of the Interstate Contraflow Plan.

III. RESPONSIBILITIES

- A. National Weather Service (NWS)
 - 1. Receive, evaluate and disseminate to the State Primary Warning Points, forecasts, predictions and other pertinent data regarding the possibility of adverse weather conditions.
 - 2. Broadcast weather information on a continuous basis and warning as required on the Statewide Weather Broadcast System.
 - 3. Alert the MEMA Director or the duty officer of all watches and warning.
 - 4. Issue statements when weather conditions no longer pose a threat.

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- B. Mississippi Emergency Management Agency (MEMA)
 - 1. Staff the State Warning Point 24 hours a day.
 - 2. Alert applicable state and local government agencies through established warning procedures.
 - 3. Provide centralized coordination to State agencies from the SEOC.
 - 4. Establish Forward Emergency Operations Center (FEOC) at the State Hurricane Support Center (SHSC) in Gulfport, MS.
 - 5. Deploy Mobile Operations Center (MOBOPS) to coordinate operations at the State Hurricane Support Center (SHSC).
 - 6. Deploy State Emergency Response Team (SERT) prior to landfall to coordinate emergency operations from the SHSC in the impacted area.

- C. Mississippi Department of Public Safety (MDPS)
 - 1. Disseminate termination of warning in coordination with MEMA.
 - 2. Monitor traffic and report on traffic conditions along evacuation routes.

- D. Mississippi Department of Transportation (MDOT)
 - 1. Work with MEMA and other State agencies to plan/prepare for hurricane response.
 - 2. Provide liaison to the SEOC in support of ESF-1.
 - 3. Coordinate functions of the SEOC with the MDPS.
 - 4. Provide damage assessment and individual assistance support.
 - 5. Support SERT operations.
 - 6. Open those routes essential for the delivery of goods, services, and people in support of emergency operations.
 - 7. Restore MDOT's roadway system in accordance with District established priorities.
 - 8. Work with the Coast Transit Authority to coordinate evacuee needs and services.
 - 9. Provide traffic control for Interstate Contraflow operations.
 - 10. Monitor traffic and report on traffic conditions along evacuation routes.
 - 11. Provide roadway conditions and emergency traffic information to the traveling public.
 - 12. Responsible for implementation and operation of contraflow plan on Interstates 59 & 55.
 - 13. Provide Emergency Coordination Staff liaison to District's 6 & 7 in support of contraflow operations and hurricane evacuation.

IV. CONCEPT OF OPERATIONS

A. General

1. The Emergency Services Director (ESD) will coordinate MDOT's overall response and recovery activities from either MDOT Administrative Building in Jackson or the State Emergency Operations Center (SEOC) in Pearl.
2. The Emergency Coordination staff will assist the ESD in all duties related to emergency response and recovery activities and will coordinate the transportation emergency service function (ESF-1) operations at the SEOC.
3. Upon notification from MEMA that the State Emergency Response Team (SERT) is being activated the ESD will deploy two members of the MDOT SERT to the State Hurricane Support Center (SHSC) in Gulfport housed at the MS Air National Guard Base, Command Readiness Training Center, 4715 Hewes Avenue, Bldg. 3.
4. Primary control of MDOT emergency operations during the response and recovery phases will from the MDOT District Emergency Operations Center (DEOC) located at the District 6 Office in Hattiesburg.
5. Increased readiness actions to be taken progressively as the threat of injury and damage increases.
6. Interstate Contraflow operations will be authorized by the Governor of Mississippi and implemented by MDOT upon a request from the State of Louisiana for assistance with New Orleans hurricane evacuation.
7. A partial or complete evacuation of employees should be considered when local government officials make the decision to evacuate the area due to the anticipated magnitude of the storm. Determine where the employees can be reached following the storm and provide them with instructions for returning to help with clean-up and repairs. Give employees opportunity to make adequate provisions to protect personal property and provide for safety of family members.

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8. All available resources will be made available to the MDOT employees requiring assistance. A major disaster will result in a request from the Governor to the President for Federal assistance. When approved a tremendous pool of assets will become available. In addition, experience has shown that a tremendous energy will be expended in record keeping and documentation by District personnel. Also, accompanying Federal assistance will be numerous requirements for MDOT expertise on disaster/needs assessment and survey teams. Unaffected or Districts with less damage will assist affected Districts.

B. Hurricane Emergency Readiness Conditions

The following readiness conditions are established as a planning basis for response and recovery:

<i>Hurricane Season</i>	<i>June 1 - November 30</i>
Condition 6:	<i>Hurricane Watch</i> * 72 Hours to Landfall
Condition 5:	<i>Hurricane Watch</i> * 48 Hours to Landfall
Condition 4:	<i>Hurricane Warning</i> ** 24 Hours to Landfall
Condition 3:	<i>Hurricane Warning</i> ** 12 Hours to Landfall
Condition 2:	<i>Hurricane Moving Ashore</i> Landfall
Condition 1:	<i>Re-Entry / Recovery</i> Post-Landfall

* *Hurricane Watch* means that the National Weather Service has issued a statement to the effect that a hurricane threatens the middle Gulf States, roughly an area from Panama City, Florida to Morgan City, Louisiana.

** *Hurricane Warning* means that hurricane conditions are expected in a specific area within 24 hours. Complete all storm preparations and evacuate or seek shelter as directed.

C. Evacuation Routes

Evacuation routes are identified in the Comprehensive Emergency Transportation Response Plan (CETRP) with public radio frequencies posted along the routes. However, it can be assumed that all northbound highways leading out of the threatened area will become evacuation routes as the hurricane threat increases. Past experience has shown that US 49 North to Hattiesburg quickly becomes the major evacuation route for the Mississippi Coast. This is due in part to two main factors:

1. US 49 is a four-lane divided highway accessible to the population concentrated in the Biloxi-Gulfport Metro area.
2. The two lane secondary roadways quickly become clogged with debris as gale force winds move inland thereby effectively closing many of the evacuation routes.

D. Public Information (Public Affairs Division)

1. Maintain situation maps. Keep MEMA advised on developments relating to road conditions and public safety.
2. Maintain a record of news releases, statements, transcripts of press conferences and answers to queries.
3. Establish and staff **Crisis Call Center** in the 6th floor Facilities & Records Management Division Training Room at the MDOT Administrative Building in order to address rumors to reduce public apprehension and unrest.
4. Assist the news media in accurate and timely coverage of the emergency. *(Especially useful is the hurricane information signs stating which public radio frequency to tune to as you travel the evacuation routes.)*
5. Coordinate all new releases with MEMA. (Assist in Joint Information Center at SEOC in order for responding State agencies to speak with one voice.)
6. Employees will not comment on matters and situations of which they have no knowledge. Such inquiries will be referred to the press center or Public Information Officer. **DO NOT SPREAD RUMORS**
7. Employees will limit their comments to reporters and the public to those subjects for which the employee position qualify him/her to speak.
8. Information on the extent and severity of the hurricane is vital; particularly reference the status of closed roads. This information should be passed on as soon as possible to the District Emergency Coordinator for further dissemination to the Emergency Services Director.

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E. Drawbridge Operations

1. General

- a. United States Coast Guard (USCG) regulations state that marine advisories will be issued to local mariners stating that draws will be vacated when sustained winds reach 35 MPH at the draw and that marine interest should make passage through the draw before gale winds commence. USCG regulations do not specify whether a draw shall be left open or closed to navigation. This is left up to the operating company or agency.
- b. MDOT policy is that draws will be closed to navigation and locked down. ***However, USCG Regulations State that permission must be granted by USCG, New Orleans Office before a draw is closed to navigation and vacated.***

2. Procedures

- a. When sustained winds reach 20 MPH at the draw, the MDOT District 6 Operations Officer will contact United States Coast Guard (USCG) New Orleans and request permission to close the draw to navigation when sustained winds at the draw reach 35 MPH:

USCG - New Orleans Office	(504) 589-2965 (DAY) (504) 589-6225 (24 HOURS)
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- b. When the USCG New Orleans grants permission, or in lieu of permission by USCG New Orleans, the draw operator will close the draw to navigation when sustained winds reach 35 MPH at the draw and notify either/or:

USCG - Gulfport Office	(504) 589-2965
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USCG - Mobile Office	(334) 441-5121
----------------------	-----------------------

- c. Primary means for notifying USCG Offices is by telephone. However, if commercial telephone is out of order, then use marine radio net:

Marine Radio Channel 16 (156.80 MHz)	1st Choice
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Marine Radio Channel 13 (156.65 MHz)	2nd Choice
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F. Interstate Contraflow Traffic Control Operations

1. MDOT has in place an Interstate Contraflow Plan for Hurricane Evacuation Traffic Control to respond to a request from the State of Louisiana to meet the needs of the traveling public evacuating the greater New Orleans area for a hurricane tracking towards New Orleans with the potential for a high storm surge producing unmanageable traffic congestion. Implementation contraflow operations into Mississippi would be by the Governor of Mississippi after consultation with MDOT, MDPS and MEMA.
2. Hurricane evacuation routes for coastal Mississippi could not be considered for Contraflow Operations due to the fact that they are limited controlled access. Limited controlled access routes have numerous entrance and exit points, i.e. numerous intersections with state routes, county routes, city streets, private commercial access points and personal driveways that cannot be easily controlled, an example of which is US 49. The logistics involved with providing traffic control devices and the manpower to assist and enforce the traffic control measures necessary to reverse lane prove to make limited controlled access routes impractical for the contraflow strategy.

G. Response and Recovery Operations

1. Local command and control of coastal MDOT operations will originate from the Lyman Maintenance Office on US 49 in Harrison County. This facility will report directly to the District Emergency Operations Center (DEOC) in Hattiesburg.
2. The Office of Enforcement Mobile Command RV and communications travel trailer will locate to Lyman to oversee MDOT response and recovery activities.
3. MDOT hurricane response travel trailers will be stationed at the District 6 Hattiesburg office and transported after hurricane landfall to Lyman to provide sleeping accommodations for MDOT staff during response and recovery operations.
4. Maintenance Yards at Kiln and Ocean Springs are available as backup sites to receive travel trailers should those locations be needed. Traffic Engineering Division (TED) utilizes these sites to setup their three (3) travel trailers to accommodate signal and sign crew staff during recovery operations.

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V. RAILROAD HURRICANE EVACUATION GUIDELINES

- A. There are two groups of highway-rail grade crossings believed to be critical to successful evacuations during hurricane emergencies identified by Southern Region State DOT's: *Class I/Regional* and *Short Line*.
(See Annex L for listing of Railroads in Mississippi.)
1. Class I/Regional railroads have a higher traffic density and are more likely to block crossings during routine switching operations. Class I/Regional plans are to shut down routine operations between 12 and 24 hours prior to predicted hurricane landfall.
 2. Short Line railroads have a low volume of traffic and are unlikely to cause a problem. Short Line's lead-time will vary, however they can be more responsive because of the smaller size.
- B. All railroads have three objectives in the advent of a major hurricane.
1. Safety of employees
 2. Safety of employees' families
 3. Security of equipment
- C. There are no recorded or anecdotal incidents of railroad operations causing interruptions to evacuation routes during hurricane warnings or evacuations.

VI. EMERGENCY ASSISTANCE DIRECTORY

(See ANNEX P)

SAFFIR-SIMPSON HURRICANE INTENSITY SCALE

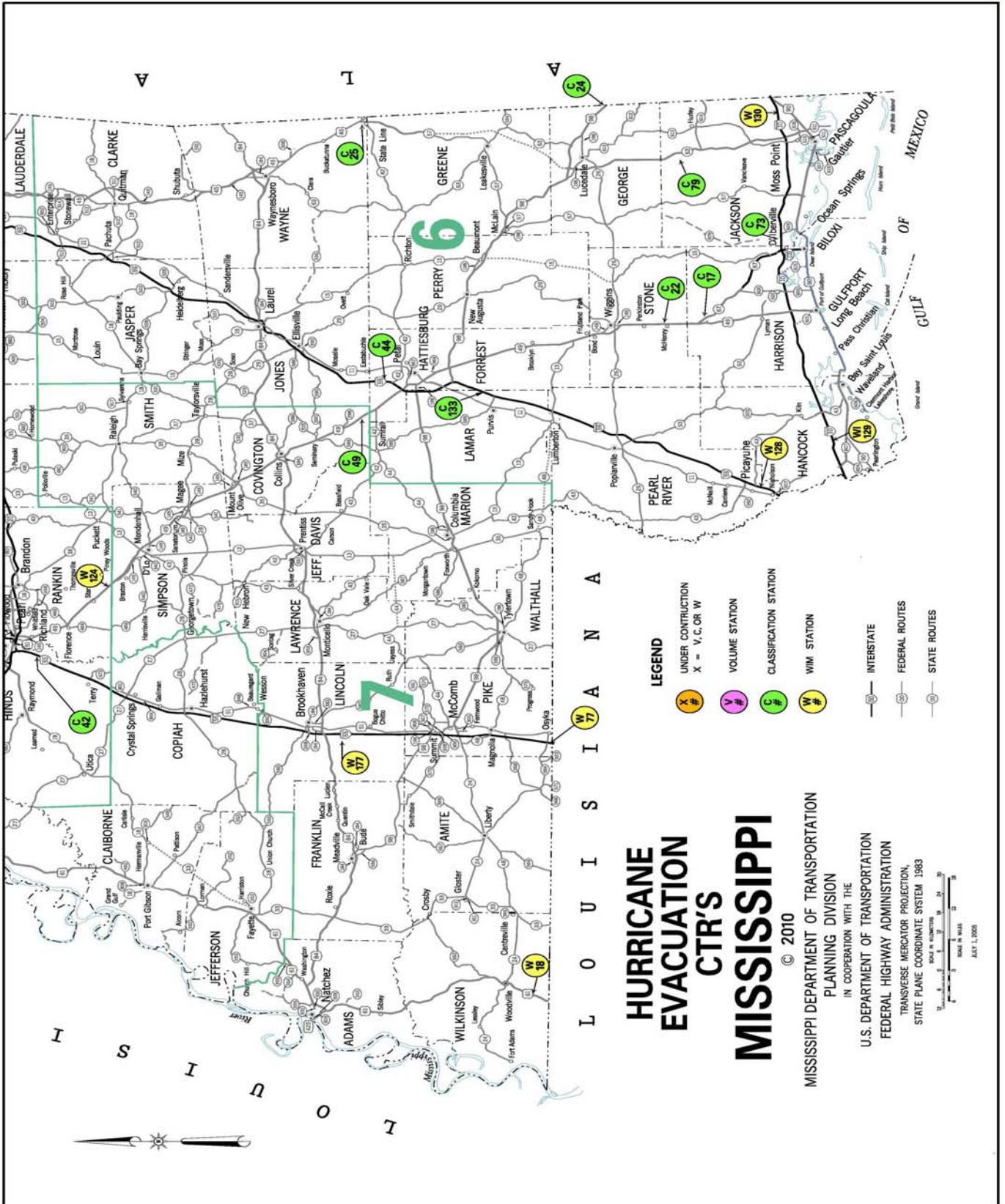
The chart below shows the Saffir-Simpson scale of hurricane intensity. The scale is based on wind speed in miles per hour (MPH) or kilometers per hour (KPH) and the height of the resulting *storm surge* (how much the sea level rises above normal high tide).

Hurricane Category	Wind Speed MPH <i>(KPH)</i>	Storm Surge Feet <i>(Meters)</i>	Effects
Category 1 (weak)	74 - 95 <i>(119-153)</i>	4 - 5 <i>(1.2 - 1.5)</i>	Minimal damage to trees, shrubbery and mobile homes.
Category 2 (moderate)	96 - 110 <i>(154 - 177)</i>	6 - 8 <i>(1.8 - 2.4)</i>	Considerable damage to trees, mobile homes and piers; some damage to other buildings.
Category 3 (strong)	111 - 130 <i>(178 - 209)</i>	9 - 12 <i>(2.7 - 3.7)</i>	Trees blown down or stripped of leaves; mobile homes destroyed; some damage to other buildings.
Category 4 (very strong)	131 - 155 <i>(210 - 250)</i>	13 - 18 <i>(4.0 - 5.5)</i>	Extensive damage to windows, doors and roofs, especially near shore; possible flooding.
Category 5 (devastating)	> 156 <i>(>251)</i>	> 19 <i>(>5.8)</i>	Small buildings overturned or blown away; severe structural damage to other buildings

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HURRICANE EVACUATION TRAFFIC RECORDER STATIONS



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HURRICANE EMERGENCY RESPONSE GUIDELINES

A. CONDITION 6: HURRICANE WATCH - 72 HOURS TO LANDFALL

1. ***Emergency Services Director***
 - a. Notify MDOT Emergency Coordination Staff
 - b. Notify appropriate MDOT District and Division personnel.
 - c. Review emergency response plans and procedures.
 - d. Review Contraflow Plan and prepare to implement, if requested.
 - e. Notify Emergency District Liaisons to report to D6 & D7 District Emergency Operation Centers (DEOC).
 - f. Monitor situation.
2. ***Emergency Coordination Staff***
 - a. Assist with notification of MDOT staff.
 - b. Review emergency response plans and procedures.
 - c. Review Contraflow Plan implementation procedures.
 - d. Monitor situation.
3. ***District 6 & District 7***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review emergency response plans and procedures.
 - c. Review Contraflow Plan and prepare to implement, if requested.
 - d. Prepare District 6 hurricane travel trailers for possible deployment.
 - e. Monitor the situation.
4. ***Office of Enforcement***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review Contraflow Plan and prepare to implement, if requested.
 - c. Prepare Mobile Command RV for possible deployment.
 - d. Monitor the situation.
5. ***Traffic Engineering Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review Contraflow Plan and prepare to implement, if requested.
 - c. Prepare TED hurricane travel trailers for possible deployment.
 - d. Dispatch Emergency District Liaisons to D6 & D7 DEOCs.
 - e. Monitor the situation.

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6. ***Planning Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Confirm operation of all traffic counter sites along evacuation routes.
 - c. Repair any sites that fail to report.
 - d. Monitor the situation.

7. ***Public Transit Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Monitor the situation.

8. ***General Services Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review emergency response plans and procedures.
 - c. Contact appropriate fuel supplier to “top off” MDOT fuel sites.
 - d. Prepare fuel tankers for pre-positioning.
 - e. Check all communications equipment and emergency power sources.
 - f. Prepare communication travel trailers (Radio Shop & Enforcement) for deployment.
 - g. Prepare hurricane travel trailers for potential deployment.
 - h. Inventory and check all equipment and supplies.
 - i. Review Administration Car Pool Plan.
 - j. Provide pool cars to Emergency District Liaisons assigned to D6 & D7.
 - k. Monitor the situation.

9. ***Facility and Records Management Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review emergency response plans and procedures.
 - c. Check all equipment and supplies.
 - d. Prepare Situation Room (10th floor), Logistics Center (Auditorium) and Crisis Call Center (6th floor) in MDOT Administration Building.
 - e. Contact Districts to determine supply/equipment/meal needs.
 - f. Review procedures for staff emergency/disaster ID cards.
 - g. Monitor the situation.

10. ***Financial Management Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review procedures to accurately charge emergency repair expenditures.
 - c. Monitor the situation.

11. ***Procurement Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Identify vendors capable of responding to needs for equipment/supplies.
 - c. Review system to document inflow and outflow of procured items.
 - d. Monitor the situation.

12. ***Asset Management Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review procedures for accountability of property purchases.
 - c. Monitor the situation.

13. ***Public Affairs Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Place Crisis Call Center staff on standby for possible activation.
 - c. Review emergency response plans and procedures.

14. ***Information Systems Division***
 - a. Locate and advise key personnel of hurricane watch.
 - b. Review emergency plans and procedures.
 - c. Update SEOC email password to enable Emergency Coordination staff at the SEOC access MDOT SEOC email account.

15. ***Maintenance Division***
 - a. Alert staff for possible issuance of Project Numbers for tracking emergency response activities.
 - b. Monitor the situation.

16. ***Consultant Services***
 - a. Locate and advise key personnel of the hurricane watch.
 - b. Review Master Debris Monitoring Contracts
 - c. Send List of Consultants on the Debris Monitoring Contract with Contact information to Maintenance Division.
 - d. Monitor the situation.

B. CONDITION 5: HURRICANE WATCH - 48 HOURS TO LANDFALL

1. ***Emergency Services Director / Emergency Coordination Staff***
 - a. Alert all remaining Divisions and District personnel.
 - b. Monitor weather information sources for further development of hurricane conditions.
 - c. Set communications watch and maintain a complete and accurate record of all incoming and outgoing messages.
 - d. Schedule Emergency Coordination Staff for 24-hour staffing at SEOC.
 - e. Place MDOT State Emergency Response Team (SERT) members on standby for possible activation.
 - f. Implement Contraflow Plan, if requested by Louisiana.
 - g. Maintain contact with Emergency Liaisons in District's 6 & 7 District Emergency Operation Centers (DEOC).
 - h. Contact Louisiana/Alabama DOT for their latest evacuation information.

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2. ***District 6 and District 7***
 - a. Alert all personnel.
 - b. Review emergency procedures and personnel assignments.
 - c. Check radios, phones and emergency power sources.
 - d. Check all equipment and supplies and order any additional equipment and supplies, as needed.
 - e. Set communications watch and maintain an accurate record of all incoming and outgoing messages.
 - f. Implement Contraflow Plan, if requested by Louisiana.
 - g. Activate and staff DEOCs for contraflow operations.
3. ***Office of Enforcement***
 - a. Review emergency plans and procedures.
 - b. Contact key personnel and place all personnel on alert.
 - c. Check communications, vehicles and fuel.
 - d. Establish location and method of communications with each person.
 - e. Implement Contraflow Plan, if requested by Louisiana.
4. ***Traffic Engineering Division***
 - a. Review emergency plans and procedures.
 - b. Contact key personnel and place all personnel on alert.
 - c. Check communications, vehicles and fuel
 - d. Establish location and method of communications with each person.
 - e. Implement Contraflow Plan, if requested by Louisiana.
5. ***Planning Division***
 - a. Monitor traffic counts on hurricane evacuation routes and at Louisiana and Alabama state lines entering Mississippi.
 - b. Provide hourly traffic counts at the request of the Emergency Services Director to the Emergency Coordination staff at the SEOC.
6. ***Public Transit Division***
 - a. Alert all contractors in the affected areas as well as the surrounding areas.
 - b. Establish 24-hour communication contacts with all contractors.
 - c. Maintain a list of available equipment that can be used to transport evacuees if and when needed.
 - d. Contact Coast Transit Authority to coordinate needs and services.

7. ***General Services Division***
 - a. Alert all personnel.
 - b. Establish a 24-hour communication watch.
 - c. Check radio/satellite network and emergency power sources.
 - d. Check all equipment and supplies.
 - e. Confirm “topping off” MDOT fueling sites and fuel tankers for pre-positioning with appropriate fuel vendor.
 - f. Confirm hurricane trailers are stocked with supplies and repair parts.
 - g. Establish and maintain communications with Hattiesburg District Office.

8. ***Facility and Records Management Division***
 - a. Alert all personnel.
 - b. Place key personnel needed to transport supplies to affected areas on stand-by.
 - c. Check all equipment and supplies and confirm in proper working order.
 - d. Prepare Situation Room, Logistics Center and Crisis Call Center at MDOT Administration Building for possible activation and staffing.
 - e. Confirm District supply/equipment/meal needs.
 - f. Prepare staff emergency/disaster ID cards.

9. ***Financial Management Division***
 - a. Alert all personnel.
 - b. Review emergency plans and procedures.
 - c. Disseminate procedures to accurately charge emergency repair expenditures.

10. ***Procurement Division***
 - a. Alert all personnel.
 - b. Review emergency plans and procedures.
 - c. Disseminate information to document inflow and outflow of procured items.

11. ***Asset Management Division***
 - a. Alert all personnel.
 - b. Review emergency plans and procedures.
 - c. Disseminate procedures for accountability of property that is purchased.

12. ***Public Affairs Division***
 - a. Activate Crisis Call Center (24-hour staffing) to respond to Contraflow implementation and/or Mississippi coastal evacuation.
 - b. Assure communication lines are open between MDOT emergency facilities and SEOC.

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13. ***Information Systems Division***
 - a. Confirm critical computer systems are functioning properly.
 - b. Alert key personnel.

14. ***Maintenance Division***
 - a. Issue Project Numbers for contraflow operations.
 - b. Review list of debris contactors received from Consultant Services Division.
 - c. Monitor the situation.

15. ***Consultant Services Division***
 - a. Alert all personnel.
 - b. Review emergency plans and guidelines.
 - c. Review the contractual process with Maintenance Division in order to expedite any work assignments.

C. CONDITION 4: HURRICANE WARNING - 24 HOURS TO LANDFALL

1. ***Emergency Services Director / Emergency Coordination Staff***
 - a. SEOC is fully activated - provide staffing 24 / 7.
 - b. Set 24-hour communication watch.
 - c. Brief/update all Divisions and District Emergency Coordinators.
 - d. Confirm operation of all radios, phones and emergency power sources.
 - e. Request operational status reports from all Divisions and Districts.
 - f. Upon request from MEMA activate and dispatch MDOT State Emergency Response Team (SERT) members to the SEOC.
 - g. Consider the staging of hurricane trailers in Hattiesburg District office.
 - h. Maintain contact with Emergency Liaisons in District's 6 & 7 District Emergency Operation Centers (DEOC).
 - i. Monitor situation.

2. ***District 6 and District 7***
 - a. Brief and update key employees.
 - b. Review emergency procedures and personnel assignments.
 - c. Recheck radios, phones and emergency power sources.
 - d. Brief drawbridge tenders on emergency procedures.
 - e. Check all equipment and supplies - requisition additional supplies as needed.
 - f. Activate and staff DEOCs 24 / 7, if not already activated.
 - g. Requisition food, water, gasoline, etc. that will be needed at each DEOC during recovery operations.
 - h. Submit status reports to the Emergency Coordination staff at the SEOC.

3. ***Office of Enforcement***
 - a. Contact key personnel to report to Jackson.
 - b. Place all other personnel on alert at their normal work location.
 - c. Requisition additional material and supplies if needed.
 - d. Top-off all fuel tanks immediately upon arrival in Jackson.
 - e. Ready Mobile Command RV and Enforcement communications travel trailer for staging in Hattiesburg District office.

4. ***Traffic Engineering Division***
 - a. Contact key personnel.
 - b. Start moving floating crews and equipment into the Jackson area.
 - c. Place all other personnel on alert at their normal work location.
 - d. Inventory material and equipment on hand.
 - e. Requisition additional material and supplies if needed.
 - f. Service all equipment and top-off all fuel tanks immediately upon arrival in Jackson and place on standby.
 - g. Ready TED hurricane trailer for staging in Hattiesburg District office.

5. ***Planning Division***
 - a. Monitor traffic counts on hurricane evacuation routes.
 - b. Monitor state line counts.
 - c. Provide traffic counts to the Emergency Coordination staff at the SEOC.

6. ***Public Transit Division***
 - a. Contact Coast Transit Authority to ascertain what additional equipment is needed to transport evacuees out of the affected areas.
 - b. Brief/update all contractors in the affected and surrounding areas as to what equipment will be needed to transport evacuees and place this equipment on standby.
 - c. Update and maintain a list of available evacuation equipment and have the equipment fueled and ready to respond as needed.
 - d. Maintain communications with contractors through their contact personnel.

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7. *General Services Division*

- a. Brief and update key employees.
- b. Recheck procedures and personnel assignments.
- c. Confirm placement of radio trailer, equipment and personnel in the Hattiesburg District office to assure communications is maintained.
- d. Recheck radio, phones and emergency power sources. Recheck all communications systems and equipment. Maintain 24-hour communications watch.
- e. Ready hurricane travel trailers for possible staging in Hattiesburg District office.
- f. Ready all equipment and crews for activation of Administration Car Pool Plan.
- g. Verify delivery of fuel from appropriate fuel vendor to “top off” MDOT fuel sites and confirm procedure for additional fuel supply.
- h. Ready HAZMAT crews for fuel tankers for pre-positioning.
- i. Monitor the situation.

8. *Facility and Records Management Division*

- a. Brief and update key employees.
- b. Recheck procedures and personnel assignments.
- c. Recheck communications systems, radios, phones, emergency power sources, equipment and supplies.
- d. Activate and staff Situation Room, Logistics Center and Crisis Call Center at MDOT Administration Building.
- e. Review/confirm request for supplies and equipment with District and Division offices.
- f. Verify number of key personnel and types of vehicles needed to transport supplies to affected areas.

9. *Financial Management Division*

- a. Confirm procedures with appropriate personnel to accurately charge expenditures for emergency repair projects.
- b. Monitor the situation.

10. *Procurement Division*

- a. Identify vendors capable of responding to MDOT’s needs for equipment and supplies.
- b. Review system to document inflow and outflow of procured items.
- c. Confirm procedures with appropriate personnel, and verify delivery of purchased supplies and equipment.

11. *Asset Management Division*

- a. Confirm procedures for accountability of property that is purchased.
- b. Monitor the situation.

12. ***Public Affairs Division***
 - a. Update personnel of hurricane warning.
 - b. Maintain 24-hour staffing of Crisis Call Center.
 - c. Monitor the situation.

13. ***Information Systems Division***
 - a. Update personnel of hurricane warning.
 - b. Activate key personnel to assure network is functioning efficiently.
 - c. Increase the bandwidth pipe for MSTraffic.com and GoMDOT.com.
 - d. Check all MDOT network sites for connectivity. Inform ITS of the status of down sites.
 - e. Continuously monitor network activity.

14. ***District 3, District 5 and Traffic Engineering Division***
 - a. Notify drivers assigned to transport hurricane travel trailers from Hattiesburg to Lyman to be on standby in case travel trailers are needed at Lyman.
 - b. Monitor the situation.

15. ***Maintenance Division***
 - a. Prepare Project Numbers for debris management, response and recovery operations.
 - b. Standby to provide support to affected District(s).
 - c. Monitor the situation.

16. ***Consultant Services Division***
 - a. Brief and update key employees.
 - b. Contact Maintenance Division to get update on contractual situation.
 - c. If any consultants are already known, communicate with them to ensure they understand how to setup their Exhibit 8.
 - d. Monitor the situation.

D. CONDITION 3: HURRICANE WARNING - 12 HOURS TO LANDFALL

1. ***Emergency Services Director / Emergency Coordination Staff***
 - a. Monitor the situation and update key personnel as required.
 - b. Request status reports on all Divisions and Districts.
 - c. Discuss the safety concerns of staging hurricane trailers at the Hattiesburg District office.
 - d. Maintain contact with Emergency Liaisons in District's 6 & 7 District Emergency Operation Centers (DEOC).

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2. *District 6 & District 7*

a. *District 6*

- 1) Monitor situation and brief personnel as needed.
- 2) Recheck all radios, phones and emergency power sources.
- 3) Keep all evacuation routes clear of debris as long as safety will permit or until ordered to seek shelter.
- 4) Remove traffic light control panels subject to flooding and place lights on four-way flash.
- 5) Maintain traffic control devices, as long as safety will permit or until ordered to seek shelter.
- 6) Monitor overhead signing on I-59 for signs of failure as long as safety will permit.
- 7) Assist in search and rescue if requested.
- 8) Provide emergency transportation as available.
- 9) Maintain drawbridge operation in accordance with Coast Guard rules and regulations.
- 10) Coordinate drawbridge closing and evacuation with railroad bridge tenders. Use marine radio net for coordination.
- 11) Position recovery crews and equipment at strategic locations to affect fast and efficient recovery operations.
- 12) Assure all contraflow equipment is removed and stored safely.

b. *District 7*

- 1) Monitor situation and update personnel as required.
- 2) Recheck radios, phones and emergency power sources.
- 3) Keep all evacuation routes open to traffic as long as safety will permit.
- 4) Maintain traffic control devices as long as safety will permit.
- 5) Monitor overhead signing on I-55 for signs of failure as long as safety will permit.
- 6) Review personnel assignments.
- 7) Assist in evacuation where required.
- 8) Assist in search and rescue if requested.
- 9) Provide emergency transportation as required.
- 10) Position recovery crews and equipment at strategic locations so that recovery operations can begin when safety will permit.
- 11) Prepare to render assistance where required.
- 12) Assure all contraflow equipment is removed and stored safely.

3. *Office of Enforcement*

- a. Monitor the situation and update key personnel as required.
- b. Assist with ongoing evacuation operations where needed.
- c. Assure all contraflow equipment is removed and stored safely.

4. ***Traffic Engineering Division***
 - a. Place all personnel on standby either at home or at the TED office.
 - b. Prepare to send damage assessment personnel to forward staging areas if necessary.
 - c. Assure all contraflow equipment is removed and stored safely.
 - d. Assist with the removal of traffic signal control panels and placing signals on four-way flash.
 - e. Direct the lowering of all high mast lights.

5. ***Planning Division***
 - a. Monitor traffic counts on hurricane evacuation routes and at state lines.
 - b. Continue providing traffic counts to the Emergency Coordination staff at the SEOC until advised by the Emergency Services Director that counts are no longer needed.

6. ***Public Transit Division***
 - a. Move all needed contractors equipment into affected areas to assist with the evacuation.
 - b. Maintain communications with all contractors.
 - c. Update/maintain listing of all contractors' equipment that has been moved and/or is available to be moved into affected areas.
 - d. Assist in maintaining fuel and other supplies that are needed to keep contractors equipment and personnel operating.
 - e. Maintain contact with Coast Transit Authority.

7. ***General Services Division***
 - a. Check all equipment and crews for dispatch as needed.
 - b. Continue radio/satellite communication checks and assure all are working properly.
 - c. Ready all equipment and crews for activation of Administration Car Pool Plan.
 - d. Request additional supplies as needed.
 - e. Maintain communications with fuel suppliers.
 - f. Place all necessary personnel on standby status, including drivers for HAZMAT duty and for trailer delivery.
 - g. Monitor the situation.

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8. ***Facility and Records Management Division***
 - a. Continue to monitor inventory levels of all equipment and supplies.
 - b. Monitor communications systems, radio, phones and emergency power sources.
 - c. Continue to staff Situation Room, Logistics Center and the Crisis Call Center at MDOT Administration Building as directed.
 - d. Load and stage supplies/equipment/meal needs for Districts.
 - e. Place key personnel on stand-by to transport supplies to affected areas.
 - f. Confirm delivery and receipt of emergency/disaster ID cards.
 - g. Monitor the situation.

9. ***Financial Management Division***
 - a. Confirm procedures.
 - b. Provide staff for Crisis Call Center as requested.
 - c. Monitor the situation.

10. ***Procurement Division***
 - a. Review system to document inflow and outflow of procured items.
 - b. Confirm procedures and verify delivery of purchased supplies/equipment.
 - c. Provide staff for Crisis Call Center as requested.
 - d. Monitor the situation.

11. ***Asset Management Division***
 - a. Confirm procedures for accountability of property that is purchased.
 - b. Provide staff for Crisis Call Center as requested.
 - c. Monitor the situation.

12. ***Public Affairs Division***
 - a. Maintain 24-hour staffing of Crisis Call Center.
 - b. Monitor the situation.

13. ***Information Systems Division***
 - a. Place remaining emergency personnel on stand-by.
 - b. Continuously monitor network activity.
 - c. Monitor the situation.

14. ***District 3, District 5 and Traffic Engineering Division***
 - a. Confirm drivers assigned to transport hurricane travel trailers from Hattiesburg to Lyman are on standby, in case travel trailers are needed at Lyman.
 - b. Monitor the situation.

15. ***Maintenance Division***

- a. Prepare Project Numbers for debris management, response and recovery operations.
- b. Coordinate with Consultant Services Division to assure consultants are ready to work when called upon.
- c. Standby to provide support to affected District(s).
- d. Monitor the situation.

16. ***Consultant Services Division***

- a. Contact Maintenance Division to get update on contractual situation.
- b. If any consultants are already known, communicate with them to ensure they understand how to setup their Exhibit 8.
- c. Monitor the situation.

E. CONDITION 2: HURRICANE MOVING ASHORE - LANDFALL

Seek shelter and monitor conditions - remain inside until dangerous conditions subside. Maintain 24-hour staffing of key positions. Monitor the situation.

F. CONDITION 1: RE-ENTRY / RECOVERY (POST-LANDFALL)

1. ***Emergency Services Director / Emergency Coordination Staff***

- a. Request situation reports from all Districts and Divisions on an hourly basis.
- b. Draw on all MDOT resources for additional personnel and equipment as needed.
- c. Check operability of statewide radio/satellite network and report any problem areas.
- d. Assure proper record keeping for all damage reports and request for assistance.
- e. Maintain contact with Emergency Liaisons in District's 6 & 7 District Emergency Operation Centers (DEOC). (Note: Recall D7 Liaison if that District receives little hurricane damage.)
- f. Provide Crisis Call Center with up-to-date emergency information as it is received.
- g. Fully document and log all calls.

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2. *District 6 and District 7*

- a. If conditions warrant, deploy D6 hurricane travel trailers to Lyman.
- b. Establish traffic control points as needed but rely on National Guard and law enforcement personnel to enforce the law.
- c. Report looting and/or vandalism immediately to nearest law enforcement officer or National Guard Unit.
- d. Commence debris clearance and emergency road repairs.
- e. Commence damage assessment to roads and bridges.
- f. Notify USCG New Orleans as drawbridges are placed back in service.
- g. Provide emergency transportation, if available.
- h. Check radios, phones and emergency supplies for damage and request replacement or repairs as needed.
- i. Establish additional command and control centers as needed.
- j. Report all activities to the Emergency Coordination staff at the SEOC.
- k. Fully document and log all calls.

3. *Office of Enforcement*

- a. If conditions warrant, deploy Mobile Command RV and communications travel trailer to Lyman.
- b. Assist state law enforcement in matters of law and order.
- c. Assist with traffic control in congested areas.
- d. Provide security around MDOT facilities.
- e. Report all activities to the Emergency Coordination staff at the SEOC.

4. *Traffic Engineering Division*

- a. Replace traffic signal control panels in those areas with power, paying particular attention to high traffic congestion areas.
- b. Repair damaged signs as travel conditions allow.
- c. Develop alternate routes to assist with traffic control.
- d. Report all activities to the Emergency Coordination staff at the SEOC.
- f. Monitor overhead signing on the interstate system for signs of failure as long as safety will permit.
- g. Assist in search and rescue if required.
- h. Provide emergency transportation as available.
- i. Maintain drawbridge operation in accordance with Coast Guard rules and regulations.
- j. If conditions warrant, deploy TED hurricane travel trailers to Ocean Springs.

5. ***Planning Division***

- a. At the request of the Emergency Services Director, provide traffic counts for returning population to Emergency Coordination staff at the SEOC.
- b. Continue returning population traffic counts until told otherwise by Emergency Services Director.

6. ***Public Transit Division***

- a. Assist in the reentry of evacuees back into the affected areas, when so ordered.
- b. Update and maintain listing of contractor's equipment used in the evacuation.
- c. Ensure contractors equipment is returned when not needed any more.
- d. Report all activities to the Emergency Coordination staff at the SEOC.

7. ***General Services Division***

- a. Maintain communications with the MDOT Situation Room.
- b. Dispatch personnel and equipment, including emergency communication travel trailers to affected areas, if condition warrant.
- c. Maintain communications with Radio Shop personnel.
- d. Maintain communications with Equipment Shop personnel.
- e. Maintain supply chain to Equipment and Radio Shop personnel for emergency supplies and repair items.
- f. Maintain fuel supply to affected areas and other locations.
- g. Staff Crisis Call Center as requested.
- h. Service vehicles for Car Pool Plan until no longer needed.
- i. Report all activities to the Emergency Coordination staff at the SEOC.

8. ***Facility and Records Management Division***

- a. Continue to staff Situation Room, Logistics Center and the Crisis Call Center at Administration Building as directed.
- b. Restore buildings and mechanical systems in the Jackson area, where necessary.
- c. Maintain contact with personnel in the affected areas determine supply/equipment/meal needs, assisted in securing and delivery of needed items to impacted areas.
- d. Prepare and distribute additional staff emergency/disaster ID cards as needed.
- e. Dispatch key personnel needed to transport supplies to affected areas and confirm delivery.
- f. Report all activities to the Emergency Coordination staff at the SEOC.

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9. ***Financial Management Division***
 - a. Assist districts and divisions with procedures to accurately charge expenditures for emergency repair projects and determine reimbursable items.
 - b. Assure continuous, timely payment of accounts payable and billing to FWHA, FEMA or other entities
 - c. Assist with entry of timesheets and assure timely payroll production.
 - d. Staff Crisis Call Center as requested.

10. ***Procurement Division***
 - a. Continue procurement and delivery of supplies as requested.
 - b. Staff Crisis Call Center as requested.
 - c. Assist with documentation of receipt and issuance of procured items.

11. ***Asset Management Division***
 - a. Assist with procedures for accountability of property that is purchased.
 - b. Staff Crisis Call Center as requested.

12. ***Budget Division***
 - a. Establish procedures and policies for receiving reimbursements.
 - b. Disseminate information and assist MDOT personnel with procedures and policies for receiving reimbursements from FEMA and other entities.
 - c. Staff Crisis Call Center as requested.

13. ***Public Affairs Division***
 - a. Continue operation of Crisis Call Center (24-hour staffing) until volume of calls subsides.
 - b. Collect and disseminate daily updates from MDOT Emergency Coordination Staff at the SEOC to key staff.
 - c. Coordinate deactivation of Crisis Call Center with Emergency Services Director.

14. ***Information Systems Division***
 - a. Activate any remaining emergency personnel.
 - b. In the event the Jackson Administrative Building is affected, contact ITS to re-route network traffic to the Batesville Disaster Recovery Center.
 - c. Continuously monitor network activity.

15. ***District 3, District 5 and Traffic Engineering Division***

- a. If notified that travel trailers are needed in Lyman, designated drivers are to report to Hattiesburg, District 6 office to hookup hurricane travel trailers and transport them to the Lyman Maintenance Yard hurricane support site.
- b. Be prepared to return to Lyman once travel trailers are no longer needed to transport trailers back to the Hattiesburg District 6 office.

16. ***Maintenance Division***

- a. Issue Project Numbers to aid in tracking emergency response/recovery activities.
- b. Work with Consultant Services to assure qualified consultants are selected.
- c. Provide support to affected District(s).

17. ***Consultant Services Division***

- a. Expedite all emergency contracts.
- b. Coordinate efforts with Maintenance Division regarding execution of all debris monitoring and removal work assignments.
- c. Communicate with Consultants to insure they know how to set up the Exhibit 8.

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DISTRICT HURRICANE LANDFALL PREPARATION **CHECKLIST**

Several things need to be done prior to an imminent hurricane strike. These include:

- _____ Review all emergency plans and procedures for hurricane emergency response. These plans should clearly communicate staffing, protocols and responsibilities to be followed in the aftermath of a hurricane strike for each work unit. The District Engineer or his designee(s) should insure that assignment of responsibilities at all levels of supervision and management has been made.
- _____ Conduct safety meeting to discuss preparations, clean-up, etc. Also, based on anticipated landfall and projected path of storm, make and schedule crew assignments (who to keep during storm, who to send home, when to report, etc.). Keep in mind that telephones may not be working during and after the storm. Managers and supervisors need to take necessary steps to insure that employees will be able to return after the storm (i.e., provide transportation, chainsaws, etc.)
- _____ Make sure equipment and facilities are secured so as to receive minimal damage from winds, fallen trees, flying debris and flooding. Remove/secure all loose debris and materials, which may become missiles in high winds from around facilities and equipment.
- _____ Confirm that the District Emergency Response Travel Trailers are supplied, equipped and ready to be deployed to the Lyman trailer site. (Assure the other two county coastal sites, Kiln and Ocean Springs, are in readiness to receive deployment of the Emergency Response Travel Trailers should the need arise.)
- _____ Service and fuel vehicles and equipment, “top off” fuel storage tanks and make an operational check of emergency generators.
- _____ Check inventory of materials and supplies for adequacy including flashlights, batteries, rainsuits, signs, barricades, etc.
- _____ Make preparation for evacuation of residents. Be sure evacuation route and other special signs are in place. Also, provide for placement of Changeable Message Signs (CMS) and make plans to have CMS removed to safe area when evacuation is complete.

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INTERSTATE CONTRAFLOW OPERATIONS

This appendix contains portions of the “*Interstate Contraflow Plan for Hurricane Evacuation Traffic Control*”. This plan can be viewed in its entirety at www.gomdot.com under Emergency Plans.

A. CONTRAFLOW ROUTE OPERATIONS

1. The responsibility for the state highway system in Mississippi rests directly with the Mississippi Department of Transportation (MDOT). In order to successfully implement an operation of this type, a well defined and coordinated effort crossing state and state agency boundaries is essential. Input and assistance is needed from the State of Louisiana, the Mississippi Emergency Management Agency (MEMA), the Mississippi Department of Public Safety (MDPS)/Mississippi Highway Safety Patrol (MHSP), MDOT and possibly other agencies, state and county / city. There will be a need for a significant amount of additional traffic control devices and considerable manpower resources.
2. I-59 and I-55 have been selected as the practical candidates for implementation of the contraflow strategy. The method of contraflow MDOT has elected to use to accomplish this strategy is a full lane reversal of the selected interstate segment. Two levels of operation are possible:
 - a. ***LOUISIANA CONTRAFLOW TO STATE LINE***
Contraflow operations *only within the borders of Louisiana* that does not enter Mississippi. MDOT would barricade southbound interstate lanes at the Louisiana state line and uncover previously mounted permanent signs advising the traveling public that the Interstate is closed southbound at the Louisiana state line.
 - b. ***MISSISSIPPI CONTRAFLOW***
Full lane reversal of the selected Interstate segment into Mississippi from the Louisiana state line to I-59 mile marker 55, south of Hattiesburg and to I-55 mile marker 31, south of Brookhaven. These operations would require MDOT to implement contraflow traffic control operations within Mississippi.

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B. LOUISIANA CONTRAFLOW

If the State of Louisiana implements contraflow, but does not require Mississippi to do the same, the Louisiana Department of Transportation and Development (LDOTD) will notify MDOT of their plans to contraflow in Louisiana to the Mississippi state line. The MDOT Director, or his authorized representative, will authorize Louisiana Contraflow implementation. This operation is MDOT's responsibility and involves uncovering Interstate traffic control signs and placement of barricades to effect closure of the Interstate southbound lanes at the Louisiana state line on I-59 and I-55.

C. MISSISSIPPI CONTRAFLOW

Upon request from the Louisiana Governor to the Mississippi Governor for assistance with New Orleans hurricane evacuation, the Governor of Mississippi will implement Mississippi Contraflow. This operation will require MDOT to fully implement I-59 and I-55 contraflow in Mississippi. Mississippi Contraflow operations will travel no further than Hattiesburg on I-59 and Brookhaven on I-55.

D. OPERATING CONDITIONS

Operating condition levels have been identified that specify what actions are to be taken when certain external conditions occur. These external conditions are also based on whether or not the State of Louisiana orders an evacuation of the metropolitan New Orleans area. (It should be noted that criteria specified to call a level into operation are general in nature and other conditions may arise which may necessitate placing a certain level into operation.) The MDOT operating levels are described below:

1. **LEVEL 1 (Hurricane Season)** - Operating Level 1 begins at the onset of *hurricane season, June 1st through November 30th*. Typical day-to-day operations will be maintained and any development of tropical disturbances in the Atlantic Ocean, Gulf of Mexico or Caribbean Sea will be monitored. Actions during Level 1 include: (Level 1 coincides with MDOT Readiness Condition 6.)
 - a. Weather information from National Hurricane Center advisories shall be continuously monitored for the development of tropical disturbances and storms.
 - b. District and State offices will review personnel assignments with staff and adjustments/updates made as necessary.
 - c. All necessary traffic control devices and equipment shall be inventoried to insure that they are in their storage areas and are in proper working order. These traffic control devices and equipment include barricades, cones, signs, trailers, etc.
 - d. All permanently mounted flip-down signs will be inventoried and inspected, cleaned and/or replaced as necessary.

- e. Electronic components of Changeable Message Signs (CMS), Arrow Boards, generators (both portable and stationary) and communications equipment will be periodically checked and routine operational checks performed to assure reliability. *CMS and Arrow Boards called for in this plan must be made available to District 6 and District 7 at any time during the hurricane season, even if this means pulling them off another job site.*
 - f. Level 1 status will remain in effect unless the next level is enacted or until the end of the hurricane season.
2. **LEVEL 2 (Hurricane Watch)** - Operating Level 2 would be enacted anytime the National Hurricane Center issues a **HURRICANE WATCH** for any portion of the Louisiana Gulf Coast, Mississippi Gulf Coast, Alabama Gulf Coast or the Florida panhandle. Actions during Level 2 include: (Level 2 coincides with MDOT Readiness Conditions 6 & 5.)
- a. The **State Emergency Operations Center (SEOC)** in Jackson is *partially activated* and the MDOT Emergency Coordination (EC) staff is notified by MEMA to report. EC staff will notify District's 6 and 7 of the SEOC activation.
 - b. District 6 and District 7 Supervisors are to review this plan and their specific procedures with employees. Personnel staffing assignments shall be reviewed and adjusted as necessary. *Personnel assigned to Level 3 operations should be contacted and informed of the Hurricane Watch and placed on stand-by.*
 - c. Review necessary assets and make provisions to ensure that all equipment and material are in the predetermined staging locations and in good working order.
 - d. All equipment and materials are to be loaded and ready for transport to assigned locations and final operational checks preformed. All vehicles are to be fueled and ready for use. *Any Changeable Message Signs (CMS) and Arrow Boards in use outside District 6 and District 7 are to be immediately returned to their respective District office.*
 - e. Weather information sources shall be continuously monitored for the further development of hurricane conditions.
 - f. Level 2 status will remain in effect until a more critical level is enacted or until the Hurricane Watch for the Gulf Coast is canceled.
3. **LEVEL 3 (Hurricane Warning)** - Operating Level 3 would be enacted when the National Hurricane Center upgrades a Hurricane Watch for the Louisiana Gulf Coast, Mississippi Gulf Coast, Alabama Gulf Coast or the Florida panhandle to a **HURRICANE WARNING**. Actions during Level 3 include: (Level 3 coincides with MDOT Readiness Conditions 4 & 3.)

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- a. The **State Emergency Operations Center (SEOC)** in Jackson is *fully activated* with members of the MDOT Emergency Coordination (EC) staff present to coordinate MDOT emergency response. The EC staff will be in contact with the Districts to confirm partial activation of the MDOT District Emergency Operations Centers (DEOC) and to check on the status of MDOT personnel and resources.
 - b. The **MDOT DEOCs** at the MDOT District offices in Hattiesburg for District 6 and McComb for District 7 are **partially activated**.
 - c. The Emergency Services Director (ESD) will establish contact with the Louisiana Department of Transportation and Development (LDOTD) and the EC staff at the SEOC.
 - d. *MDOT personnel with Level 4 & 5 responsibilities will be notified of the Hurricane Warning and all placed on stand-by.*
 - e. Communications equipment will be checked for proper operation.
 - f. District storage tanks and vehicles shall be filled and/or topped off with fuel, and *Fuel Access Card Service Providers* will be contacted to assure an adequate supply of fuel is available.
 - g. Weather information sources shall be monitored for the further development of hurricane conditions.
 - h. Level 3 status will remain in effect unless the next level is enacted or until the Hurricane Warning for the Gulf Coast is canceled.
4. **LEVEL 4 (Louisiana Contraflow)** - Operating Level 4 would be enacted when the Louisiana Department of Transportation and Development (LDOTD) contacts MDOT to announce their intent to implement Louisiana Contraflow. The MDOT Director, or his authorized representative, will make the decision to implement Level 4 based upon the Louisiana's announcement to contraflow within Louisiana to the Mississippi state line. (*Level 4 does not require contraflow operations into Mississippi.*) Actions during Level 4 include:
- a. The Emergency Services Director will be in close contact with LDOTD. Once Louisiana makes the decision to implement Level 4 the MDOT Emergency Coordination staff at the State Emergency Operations Center (SEOC) will be notified.
 - b. The MDOT Emergency Coordination staff at the SEOC will contact the DEOC located at the MDOT District offices, in Hattiesburg and McComb, to advise of the decision to implement Level 4.
 - c. The **MDOT DEOCs** are **fully activated** with the MDOT Contraflow Supervisors in each assuming command and control.

- d. *MDOT staff* with responsibilities under Level 4 and Level 5 response are notified to report to their assigned duty stations.
 - e. District 6 and District 7 personnel, will place barricades across the state line exits at I-59 and I-55, respectfully, to prevent any southbound traffic from traveling further. DOT officers will provide traffic control at these exits.
 - f. Traffic Engineering Division personnel will unfold flip-down signs along I-59 from Hattiesburg to the Louisiana state line and District 7 personnel will unfold flip-down signs along I-55 from Brookhaven to the Louisiana state line.
 - g. MDOT vehicles, equipment, Changeable Message Signs (CMS) and Arrow Boards shall be moved into their designated positions.
 - h. Once the staging of equipment, materials and personnel are completed, Louisiana Contraflow (Level 4) will be implemented per the procedures listed within this Plan.
 - i. Level 4 status will remain in effect until the termination of Louisiana Contraflow operations or the Level 5 condition is enacted.
5. **LEVEL 5 (Mississippi Contraflow)** - If contraflow into Mississippi is needed, the Louisiana Governor will contact the Mississippi Governor. The Mississippi Governor will then make the decision to implement Mississippi Contraflow after consultation with the Directors of MDOT, the Mississippi Emergency Management Agency (MEMA) and the Mississippi Department of Public Safety (MDPS) / Mississippi Highway Safety Patrol (MHSP). In turn the respective directors would notify their own agency personnel to proceed with Mississippi Contraflow staging and implementation. Actions during Level 5 include:
- a. The Emergency Services Director, upon receiving confirmation from the MDOT Director to implement Mississippi Contraflow (Level 5) will contact the MDOT Emergency Coordination (EC) staff at the State Emergency Operations Center (SEOC).
 - b. The EC staff will contact the MDOT District Emergency Operations Centers (DEOC) located at the District offices, in Hattiesburg and McComb to advise of the decision to prepare to implement Level 5.
 - c. The **MDOT DEOCs** are **fully activated** with command and control the responsibility of the MDOT Contraflow Supervisors.
 - d. If not already on station, all MDOT personnel with responsibilities under Level 5 response are notified to report to their assigned duty stations.

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- e. All MDOT vehicles, equipment, Changeable Message Signs (CMS) and Arrow Boards that have not been pre-positioned in the field shall be moved into their designated positions.
- f. Once the staging of equipment, materials and personnel are completed, Mississippi Contraflow (Level 5) will be implemented per the implementation procedures.
- g. Level 5 status will remain in effect until the termination of Mississippi contraflow operations. The decision to terminate Level 5 operations is made by the MDOT Director and is based on the status of the Louisiana evacuation and traffic congestion information gathered by MDOT personnel and DOT Officers.
- h. At the termination of Level 5 operations MDOT staff would proceed into Readiness Condition 2, taking shelter at their work stations until the storm makes landfall. Immediately afterwards, re-entry / recovery operations would begin per Readiness Condition 1. All emergency activities then would be directed towards recovery of the Mississippi Gulf Coast.

E. STAGING, IMPLEMENTATION AND TERMINATION

An integral part of the contraflow implementation is the staging of personnel and positioning of equipment and materials required to carry out the contraflow operation. The goal of staging and/or mobilizing assets is to have the necessary manpower prepared to act and the equipment on-hand and available, prior to the actual call to implement the Contraflow Plans. Once plan implementation is called for, field personnel need written procedures to follow in regard to the placement and enforcement of traffic control to insure that no conflicting traffic movements are allowed. By its very nature, the Contraflow Plan is introducing traffic movements contrary to normal. Particular attention will be necessary to eliminate the potential for introducing “head-on” traffic patterns. The safety of the traveling public is of the utmost concern. Just as procedures must be followed during the placement and enforcement of traffic control to implement contraflow, so as to insure that no conflicting traffic movements are allowed, procedures are also required when taking the Contraflow Plan out of operation. Implementation and termination procedures are detailed in the respective Traffic Plan for each route.

F. CONTRAFLOW ROUTE MAPS

Tab A contains the contraflow route limit maps for I-59 and I-55.

Tab B

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LOUISIANA/MISSISSIPPI CONTRAFLOW HURRICANE EVACUATION MEMORANDUM OF UNDERSTANDING

The State of Louisiana and the State of Mississippi recognize the threat to the citizens of coastal areas from the effects of hurricanes and the need to develop plans that ensure the safe and efficient evacuation of citizens from threatened areas.

The State of Louisiana has conducted extensive studies to determine the most effective method of evacuating its citizens and has determined that the use of a procedure known as contraflow or reverse-lane operations on selected interstate highways is vital to their evacuation and that this method cannot be fully implemented solely within the borders of the State of Louisiana.

As result the State of Louisiana has requested that the State of Mississippi support the evacuation of Louisiana citizens by conducting contraflow operations within the borders of the State of Mississippi.

THEREFORE:

1. The State of Mississippi agrees to support contraflow operations within Mississippi on Interstate Highways 59 and 55. These contraflow operations will begin within the State of Louisiana and extend into Mississippi, if needed, not further than 55 miles on I-59 and not further than 31 miles on I-55.
2. The State of Louisiana agrees to initiate a request for assistance from the State of Mississippi to support the contraflow operations at the appropriate time during such an evacuation. This request will initiate from the Governor of the State of Louisiana to the Governor of the State of Mississippi followed by execution of a request utilizing the provisions of the Emergency Management Assistance Compact (EMAC). Both states further agree to request Federal Disaster Assistance under the provisions of 44 CFR, specifically a request for a Federal Emergency Declaration.
3. The State of Louisiana and the State of Mississippi agree to develop detailed, coordinated plans to support the contraflow operations and to provide copies of these plans to appropriate state and local agencies prior to execution of contraflow operations.

4. Appropriate agencies of each state will review this agreement as needed, but at least on an annual basis and make recommendations to their Governor for any appropriate changes.
5. This Memorandum of Understanding (MOU) is valid for five years from the date of signature and is thereafter renewable on an annual basis by mutual agreement.

Agreed this sixth day of March 2008.

Bobby Jindal
Governor
State of Louisiana

Haley Barbour
Governor
State of Mississippi

**COLUMBIA TRAINING SCHOOL HURRICANE EMERGENCY
WORKER STAGING MEMORANDUM OF UNDERSTANDING**

I. MEMORANDUM OF UNDERSTANDING (MOU)

A MOU has been established between the Mississippi Department of Transportation and the Mississippi Department of Human Services (MDHS) for the use of the vacant dormitory buildings at the Columbia Training School in Marion County.

II. PURPOSE

This MOU is for the purpose of providing a staging area for MDOT Law Enforcement officers and other emergency responders assigned to staff emergency hurricane operations in south Mississippi which may include contraflow evacuation operations on highways I-59 and I-55. MDOT proposes to use the MDHS Medical Security Intake Facility or, if occupied, another suitable dormitory/building at Columbia Training School, Marion County, as office space and as overnight housing of their personnel during hurricane evacuation operations. The typical duration of deployments will be for a period of from two (2) to five (5) days.

III. PROVISIONS

A. Process Description

1. The MDHS Medical Security Intake Facility or, if occupied, another suitable dormitory/building at Columbia Training School, Marion County, is to be used as a staging area for the MDOT Law Enforcement Officers and other emergency responders assigned to staff hurricane emergency operations in south Mississippi to include contraflow evacuation operations on interstate highways I-59 and I-55.
2. MDOT proposes to use the MDHS Medical Security Intake Facility or, if occupied, another suitable dormitory/building at Columbia Training School, Marion County, as office space and as overnight housing of their personnel leading up to, during and after hurricane evacuation operations. The typical duration of deployments will be for a period of from two to five days. This includes two days before contraflow is announced, the actual contraflow operations of approximately 24 hours and then another two days to close-down the operations. The total number of staff expected to require housing before and during contraflow operations will be about 50 (35 males and 15 females). Once contraflow operations are terminated, about 15 staff members will require overnight accommodations to assist in the close-down process.

3. MDHS will provide the facility, as is, and MDOT will furnish all materials required for the occupancy such as cots, sheets, pillows, blankets, towels, soap, cleaning materials, comfort items, etc. MDOT will return the facility to the same condition of repair and the same state of orderliness and cleanliness as presented to them at the beginning of the occupancy.
 4. MDHS will continue to pay for the cost of all utilities on this facility unless, due to extreme and unanticipated circumstances, the MDOT occupancy lasts for more than thirty days; then, MDOT will pay for utilities from the first of the month in which occupancy begins through the end of the month in which occupancy ends.
 5. MDOT acknowledges that the entire campus of the Columbia Training School is subject, at any time, to be transferred, sold or leased as part of an overall takeover of the Columbia Training School property by a third party. If this situation arises, MDHS will notify MDOT in a timely manner and will terminate this MOU in accordance with the procedures set forth herein.
- B. Modification - Modifications within the scope of this instrument shall be made by mutual consent of the Parties by the issuance of a revised, written MOU signed and dated by all Parties prior to any changes being effective.
- C. Assignments - It is expressly understood that commitments to be performed under this MOU shall not be subcontracted, assigned, transferred or sublet without prior approval of the other Party.
- D. Disclaimer - MDHS agrees to exert its best efforts in the performance of its obligations under this MOU. However, in the event of any error on its part, it disclaims any liability to anyone for the consequences of any such error, insofar as such disclaimer does not violate the Mississippi Tort Claims Act.
- E. Ongoing Communication - The Parties shall communicate as needed and as mutually agreed upon, in order to discuss, clarify and coordinate activities in areas of common interest and concern.
- F. Participation In Similar Activities - This instrument in no way restricts the Parties from participating in similar activities with other public or private entities unless doing so would create a conflict of interest.

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- G. Termination For Cause - If, through any cause, any of the Parties fail to fulfill in a timely and proper manner its obligations under this MOU, or if either of the Parties violates any of the covenants, agreements or stipulations of this MOU, the non-offending Party shall thereupon have the right to terminate this MOU by giving written notice to the offending Party of such termination and specifying the effective date thereof.
- H. Termination At Will or For Convenience - Either Party may terminate this MOU at any time, for any reason, by giving written notice to the other Party of such termination and specifying the effective date thereof.
- I. Indemnification - Neither Party shall, at any time, be legally responsible for any negligence or wrongdoing by the other Party and/or its employees, servants, agents, contractors and/or subcontractors.
- J. Entire Agreement - It is understood and agreed that this MOU constitutes the entire agreement of the Parties with respect to the subject matter contained herein and supersedes and replaces any and all prior negotiations, understandings and agreements, written or oral, between the Parties relating thereto.

IV. EXECUTION

For the faithful performance of the terms of this MOU, the Parties, by their authorized representatives, affix their signatures and agree to be bound by the provisions hereof. This MOU becomes effective upon signing and shall remain in force for a period of twelve (12) months, and shall be automatically renewed for equal twelve-month periods, each and every year thereafter, unless either Party gives written notice of its intention not to renew prior to the expiration of the current effective period.

COASTAL HURRICANE TRAVEL TRAILER PLACEMENT

I. GENERAL

A. MDOT purchased surplus travel trailers after Hurricane Katrina to accommodate MDOT emergency workers during recovery efforts after a major hurricane landfall affecting the Mississippi coast. The bulk of these trailers are stored at the District 6 HQs in Hattiesburg, with additional trailers located in Jackson and others in each of the remaining District offices.

B. Numbers of travel trailers at the disposal of MDOT to facilitate hurricane recovery emergency worker housing are:

1.	District 6 (Hattiesburg)	10 trailers
2.	Traffic Engineering (Jackson)	3 trailers
3.	General Services (Jackson)	6 trailers
4.	Enforcement (Jackson)	1 trailers
5.	District 7 (McComb)	2 trailers
6.	District 5 (Newton)	2 trailers
7.	District 3 (Yazoo City)	2 trailers
8.	District 2 (Batesville)	1 trailer
9.	District 1 (Tupelo)	1 trailer

II LOGISTICS

A. Arrangements have been made to have hurricane travel trailers transported from Hattiesburg to the Lyman Maintenance Yard (Harrison County) soon after a hurricane landfall, provided roadways are passable. The Emergency Services Director will notify those responsible for transporting trailers to Lyman. This site has been designated as the location to setup and house MDOT emergency workers during hurricane recovery activities. Suitable connections are in place to accept trailer placement. Drivers and vehicles are supplied as follows:

1.	District 5 (Newton)	5 drivers
2.	District 3 (Yazoo City)	3 drivers
3.	Traffic Engineering (Jackson)	1 driver
4.	District 6 (Hattiesburg)	1 driver for 5 th wheel Trailer

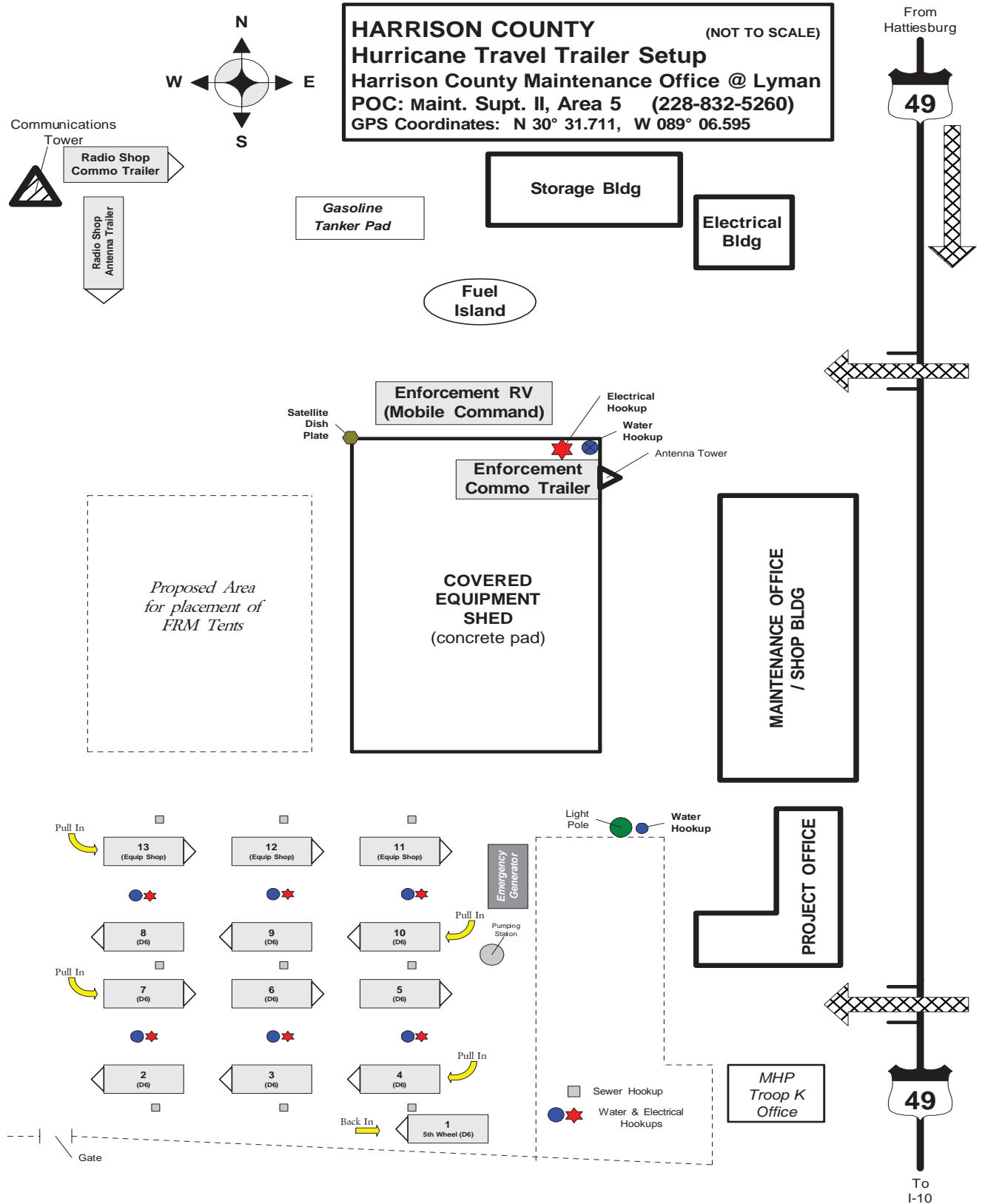
B. The Lyman Yard trailer site is setup to accommodate 13 travel trailers with space and connections available to support several others. These 13 trailers will provide sleeping space for 85 emergency workers with individual shower and rest room areas in each trailer.

Appendix 7

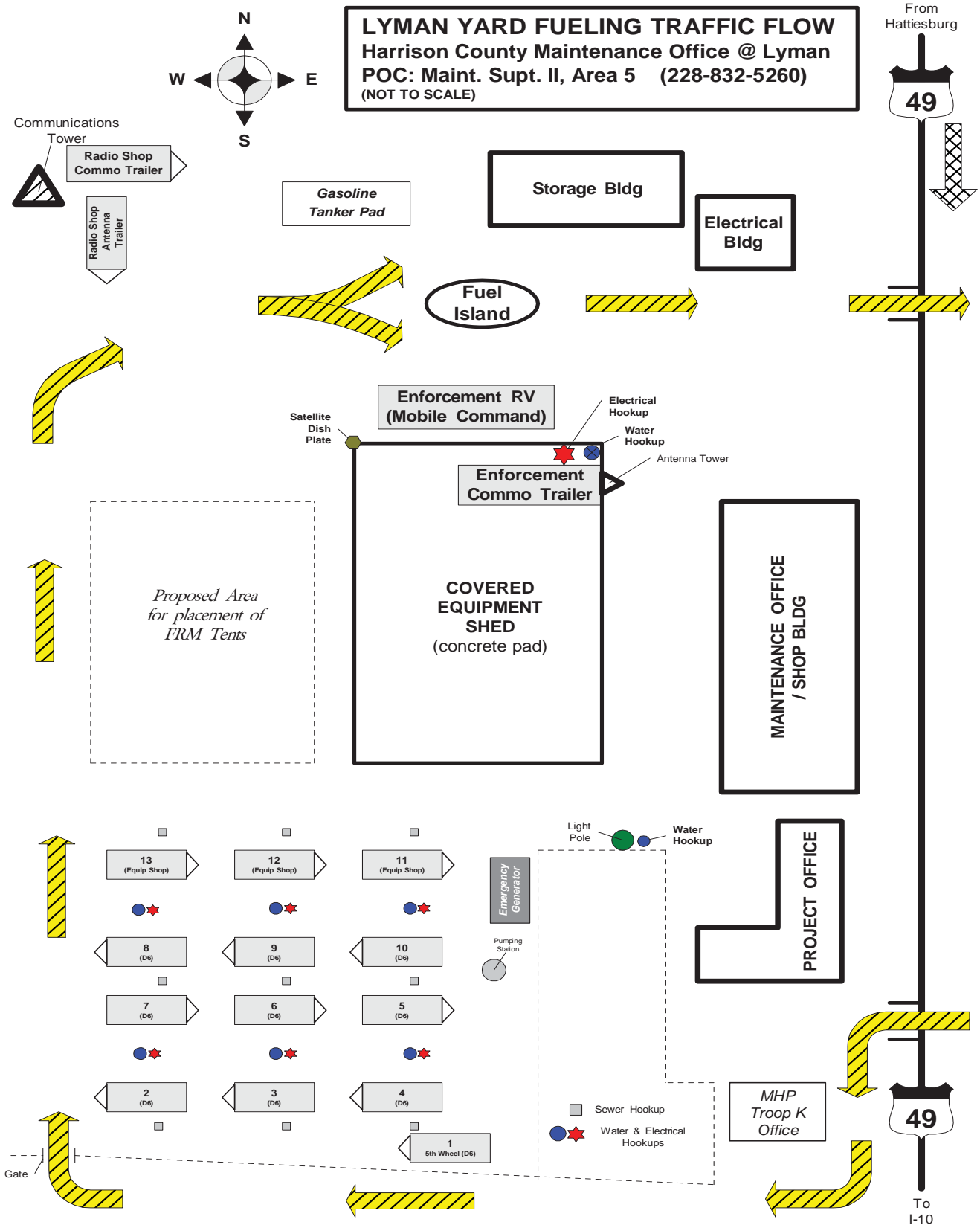
ANNEX H

- C. If for any reason the Lyman site is unusable, alternate trailer sites are located at the County Maintenance Yards in Ocean Springs (Jackson County) and Kiln (Hancock County). If need be all three sites can be utilized.
 - 1. Ocean Springs (Jackson County)
 - a. Connections in place supporting 8 hurricane travel trailers with space to available for additional trailers.
 - b. Traffic Engineering uses this site to position their 3 trailers to support the Sign and Signal Crews during recovery activities. Use is determined by which side of the coast the crews are working.
 - 2. Kiln (Hancock County)
 - a. Connections in place supporting 5 hurricane travel trailers with space to available for additional trailers.
 - b. Traffic Engineering uses this site to locate their 3 trailers to support the Sign and Signal Crews during recovery activities. Use is determined by which side of the coast the crews are working.

LYMAN (Harrison County) TRAILER SITE

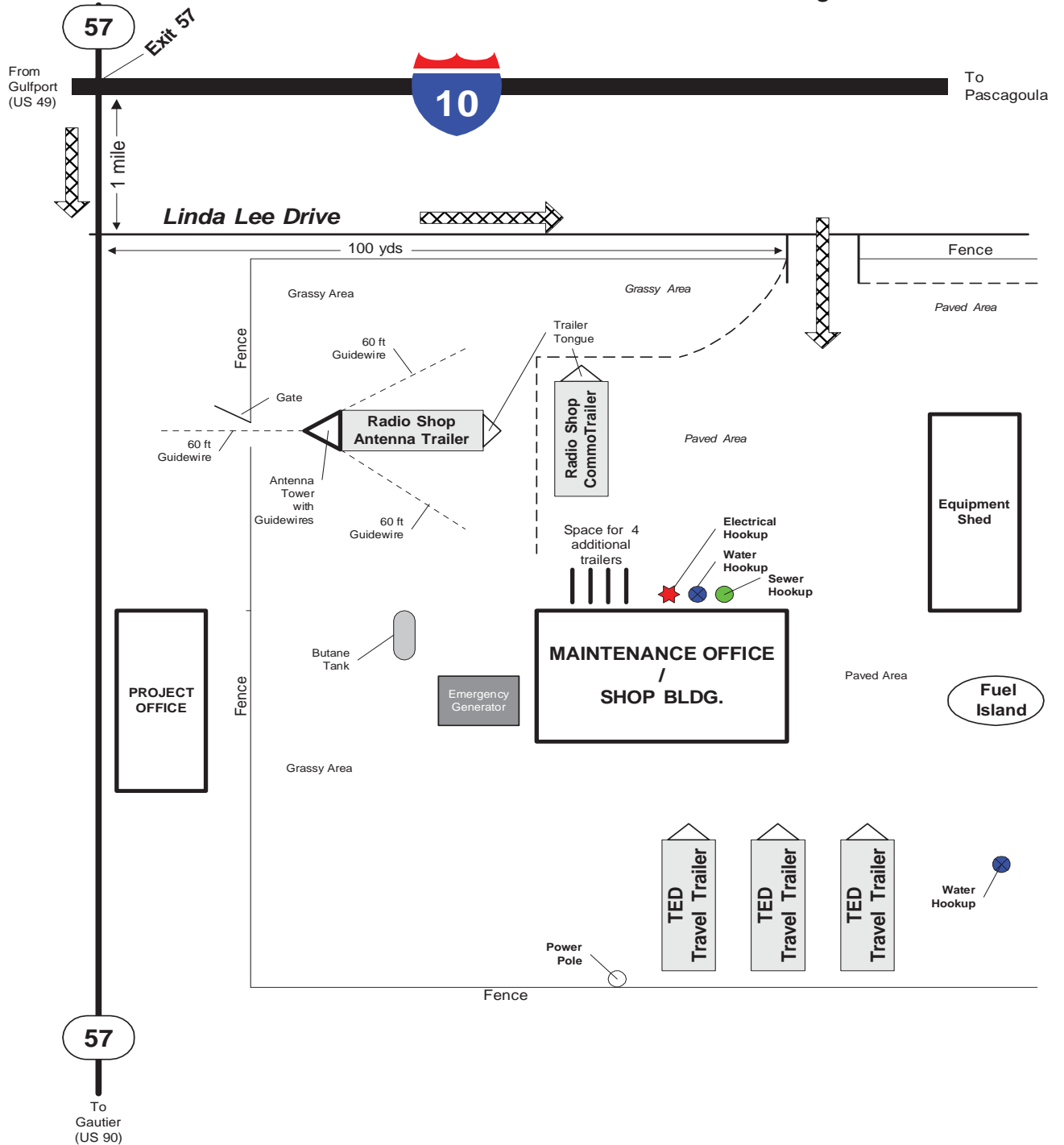
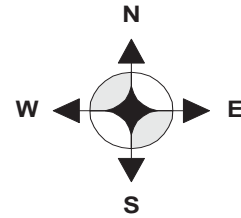


LYMAN YARD FUELING TRAFFIC FLOW



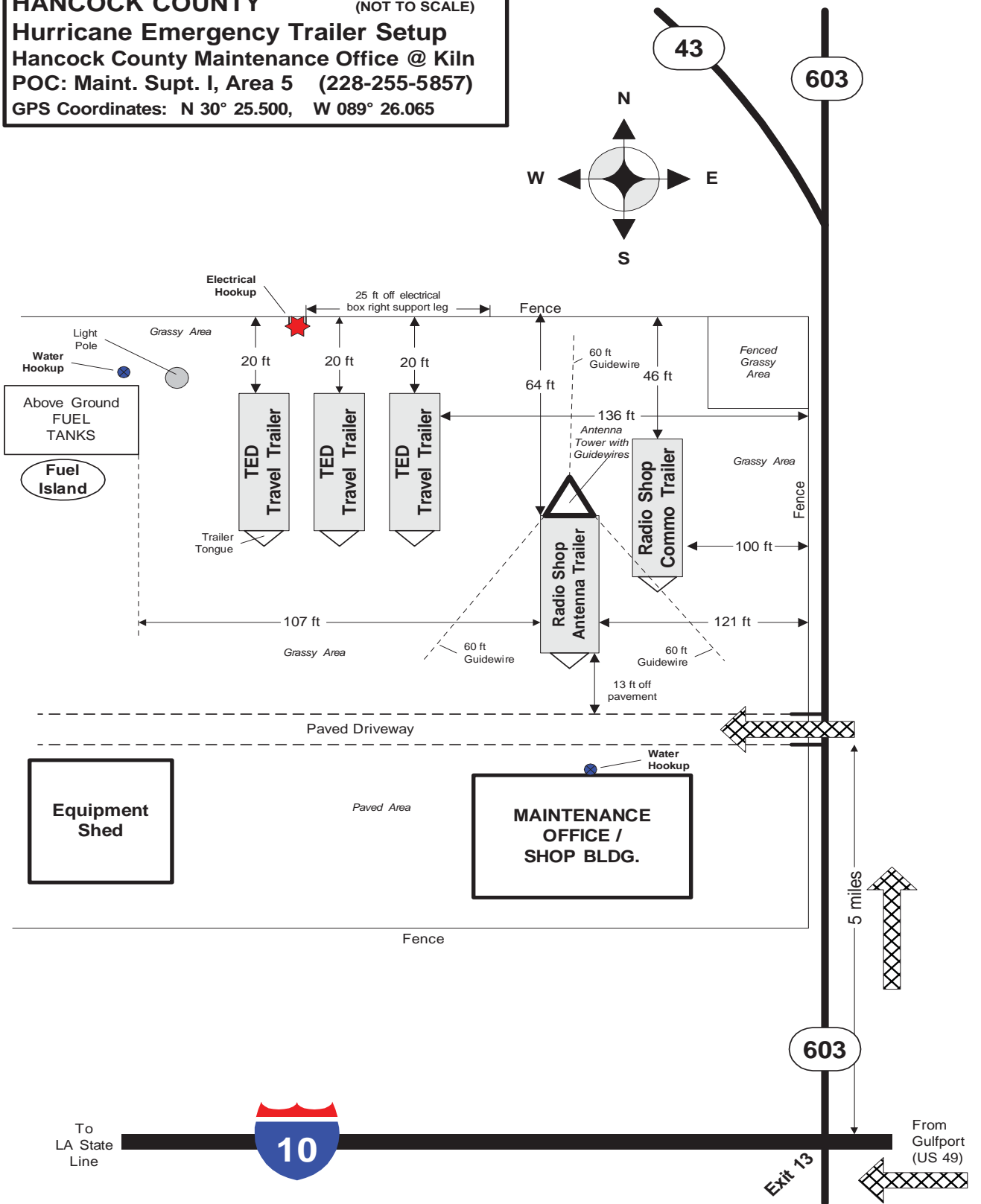
OCEAN SPRINGS (Jackson County) TRAILER SITE

JACKSON COUNTY (NOT TO SCALE)
Hurricane Emergency Trailer Setup
 Jackson County Maintenance Office @ Ocean Springs
 POC: Maint. Supt. II, Area 6 (228-875-5588)
 GPS Coordinates: N 30° 25.701, W 088° 42.821



KILN (Hancock County) TRAILER SITE

HANCOCK COUNTY (NOT TO SCALE)
Hurricane Emergency Trailer Setup
 Hancock County Maintenance Office @ Kiln
 POC: Maint. Supt. I, Area 5 (228-255-5857)
 GPS Coordinates: N 30° 25.500, W 089° 26.065



HWY 49 HURRICANE EVACUATION TRAFFIC SIGNAL OPERATIONS

There are 40 traffic signals located along Hwy 49 between Gulfport and I-20 at Jackson. Stop/Time switches have been installed at these selected traffic signals to facilitate ease of operation during evacuations off the Mississippi Gulf Coast. These signals are either controlled on site (stop & go) by local Law Enforcement or can be placed in “flash” mode to accommodate evacuation traffic flow for the purpose of easing traffic congestion on Hwy 49 off the Mississippi Gulf Coast.

Starting at Gulfport on Hwy 49 the first three (3) signals are south of I-10 then proceeding NORTH to I-20 at Jackson: (Signals that are placed in *Flash Mode* are noted.)

GULFPORT Lights : (Responsibility of Gulfport PD)

1. Airport Road
2. Wal-Mart Entrance Road
3. Creosote Road

I-10 (Reference Only - No Light)

4. Landon Road
5. Community Road
6. Dedeaux Road
7. St. Charles / K-Mart Entrance Road
8. O’Neal Road
9. Duckworth Road: *Flash Mode*
10. Hwy 53

LYMAN Light: (Responsibility of MDOT)

11. Harrison Central High School entrance: . *Flash Mode*

SAUCIER Light: (Responsibility of MDOT)

12. Hwy 67: *Flash Mode*

WIGGINS Light: (Responsibility of Wiggins PD)

13. Wal-Mart entrance: *Flash Mode*

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HATTIESBURG Lights: (Responsibility of Hattiesburg PD)

14. Edwards Street
15. West Tatum
16. Helveston Road - exit for William Cary College
17. West Pine Street
18. Cloverleaf Drive (exit to Wal-Mart)
19. Mamie Street (exit to Forrest General Hospital)
20. Hardy Street (@ USM)
21. Hwy 42 (exit to Petal)
22. 31st Avenue
23. Convention Center exit (I-59 south off ramp)
24. Classic Drive (I-59 north off ramp)
25. Peps Point Road: *Flash Mode*

SEMINARY Lights: (Responsibility of MDOT)

26. MS 589: *Flash Mode*
27. MS 590: *Flash Mode*

COLLINS Lights: (Responsibility of Collins PD)

28. Selma Lane: *Flash Mode*

84 Bypass (Reference Only - No Light)

29. Ora Swamp / Sunset Road: *Flash Mode*

MT. OLIVE Light: (Responsibility of MDOT)

30. MS 35: *Flash Mode*

MAGEE Lights: (Responsibility of Magee PD)

31. Hwy 28 intersection
32. Wal-Mart Entrance

STAR Light: (Responsibility of MDOT)

33. Star Road: *Flash Mode*

FLORENCE Light: (Responsibility of Florence PD)

34. Hwy 469 @ Florence

RICHLAND Lights : (Responsibility of Richland PD)

35. Cleary Road
36. Scarborough Street (exit to Florence HS)
37. West Harper Street (exit @ Wal-Mart)
38. Linda Jo Drive
39. Old Hwy 49 (southbound only)

PEARL Light: (Responsibility of Pearl PD)

40. WB I-20 off ramp