

ANNEX E

EVACUATION

JACKSON COUNTY

INCLUDING THE CITIES OF

EDNA, GANADO, AND LAWARD

APPROVAL & IMPLEMENTATION

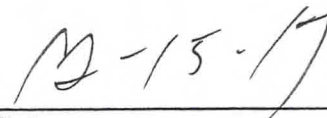
Annex E

Evacuation



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SHERIFF



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Date

ANNEX E

EVACUATION

I. AUTHORITY

See Basic Plan, section I.

II. PURPOSE

The purpose of this annex is to provide for the orderly and coordinated evacuation of all or any part of the population of Jackson County if it is determined that such action is the most effective means available for protecting the population from the effects of an emergency situation.

III. EXPLANATION OF TERMS

A. Acronyms

EMC	Emergency Management Coordinator
EOC	Emergency Operating or Operations Center
ICP	Incident Command Post
ICS	Incident Command System
NRP	National Response Plan
NIMS	National Incident Management System
PIO	Public Information Office or Officer
RUC	Regional Unified Command
SOP	Standard Operating Procedure

B. Definitions

1. Special Needs Facilities. Certain facilities which house or serve populations that cannot care for themselves during emergency situations and/or require unique support services. Such facilities include:
 - Schools and day care centers, where students require supervision to ensure their safety.
 - Hospitals and nursing homes, where patients need specialized health care personnel and equipment to maintain their health.
 - Correctional facilities, where offenders require security to keep them in custody.
2. Evacuation. The National Incident Management System (NIMS) defines evacuation as an organized, phased, and supervised withdrawal, dispersal, or removal of civilians from dangerous or potentially dangerous areas, and their reception and care in safe areas.

IV. SITUATION & ASSUMPTIONS

A. Situation

1. There are a wide variety of emergency situations that might require an evacuation of portions of the local area.
 - a. Limited evacuation of specific geographic areas might be needed as a result of a hazardous materials transportation accident, major fire, natural gas leak, or localized flash flooding.
 - b. Large-scale evacuation could be required in the event of a major hazardous materials spill, terrorist attack with chemical agent, extensive flooding, or a hurricane.
2. Authority for Evacuations. State law provides a county judge or mayor with the authority to order the evacuation of all or part of the population from a stricken or threatened area within their respective jurisdictions. Hence, the County Judge may order a mandatory evacuation of our County upon issuing a local disaster declaration. The County Judge may also take subsequent action to control re-entry, curtail movement, and deny building occupancy within a disaster area.

B. Assumptions

1. Most people at risk will evacuate when local officials recommend that they do so. A general estimate is 80 percent of those at risk will comply when local officials direct an evacuation. The proportion of the population that will evacuate typically increases as a threat becomes more obvious to the public or increases in severity.
2. Some individuals will refuse to evacuate, regardless of the threat.
3. When there is sufficient warning of a significant threat, many individuals who are not at risk will evacuate.
4. Evacuation planning for known hazard areas can and should be done in advance.
5. While some emergency situations are slow to develop, others occur without warning. Hence, there may be time for deliberate evacuation planning or an evacuation may have to be conducted with minimal preparation time. In the case of short notice evacuations, there may be little time to obtain personnel and equipment from external sources to support evacuation operations.
6. The need to evacuate may become evident during the day or at night and there could be little control over the evacuation start time.
7. In most emergency situations, the majority of evacuees will seek shelter with relatives or friends or in commercial accommodations rather than in public shelter facilities.
8. Most evacuees will use their personal vehicles to evacuate; however, transportation may need to be provided for evacuees without personal vehicles.

9. When confronting a major disaster or catastrophic incident, it may be necessary to employ all modes of transportation to include state and/or federal assistance to effectively evacuate our population.

V. CONCEPT OF OPERATIONS

A. General

1. Evacuation is one means of protecting the public from the effects of a hazard; protection is achieved by moving people away from the hazard. In planning for evacuation, the characteristics of the hazard and its magnitude, intensity, speed of onset, and anticipated duration are all significant factors. These will determine the number of people to be evacuated, the distance people must be moved to ensure their safety, the need for reception facilities, and the extent of traffic control and security required.
2. We must be prepared to conduct both small-scale and large-scale evacuations at all times of the day both from known hazard areas and from unexpected incident locations. A General Evacuation Checklist, provided in Appendix 1, has been developed to guide the execution of evacuation operations.

B. Evacuation Decisions

1. The Incident Commander or, for large-scale evacuations, the Emergency Operations Center (EOC) shall assess the need for evacuation, plan evacuations, and coordinate support for the evacuation effort. Evacuation planning should resolve the following questions:
 - a. What areas or facilities are at risk and should be evacuated?
 - b. How will the public be advised of what to do?
 - c. What do evacuees need to take with them?
 - d. What travel routes should be used by evacuees?
 - e. What transportation support is needed?
 - f. What assistance will the special needs population require?
 - g. What traffic control is needed?
 - h. Does the anticipated duration of the evacuation make it necessary to activate shelter and mass care facilities?
 - i. How will evacuated areas be secured?
2. Evacuations that must be conducted because of incidents that occur without warning may have to be planned quickly and carried out with only those resources that can be mobilized rapidly.
3. The decision to recommend an evacuation of the populace in and around the area of an incident site rests with the Incident Commander managing the incident. In general, the County Judge or Mayors shall issue the order for large-scale evacuations of their respective areas.

C. Hazard Specific Evacuation Planning

1. Hazard-specific evacuation planning information will be developed for certain known hazards and included as appendices to this or other annexes. These appendices will describe the potential impact areas for known hazards, the number of people in the threatened area, and any special needs populations affected. Such appendices should also identify potential evacuation routes and, where appropriate, transportation pickup points or assembly areas.
2. Likely major evacuation areas, other than hazardous materials or hurricane risk areas, and the potential evacuation routes for those areas are described and depicted in Appendix 2 to this annex.
3. Hazardous materials risk areas and potential evacuation routes from those areas are described and depicted in the appendices to Annex Q, Hazardous Materials and Oil Spill Response.
4. Guidance for hurricane evacuation is provided in Appendix 3 to this annex, which also describes hurricane risk areas and evacuation routes.

D. Transportation

1. Individuals. It is anticipated that the primary means of evacuation for most individuals will be personal automobiles. Many people do not own vehicles and others will need assistance in evacuating. Provisions must be made to furnish public transportation during an emergency evacuation.
2. Special Needs Facilities. Public schools normally maintain transportation resources; private schools and day care centers may also have limited transportation assets. Most other special needs facilities rely on commercial or contract transportation companies for their specialized transportation needs. Unfortunately, many of these providers cannot provide sufficient equipment to evacuate a sizeable facility on short notice. Hence, local government may be requested to assist in providing transport.
3. Emergency transportation may be provided by school buses, ambulances, and other vehicles. See Annex S, Transportation, for transportation guidance; see Annex M, Resource Management, for transportation resources. In the case of large-scale evacuations with advance warning, pickup points may be designated or a telephone bank established to receive and process requests for transportation.
4. Public information messages emphasizing the need for citizens to help their neighbors who lack transportation or need assistance can significantly reduce requirements for public transportation during an evacuation.

E. Traffic Control

1. Actual evacuation movement will be controlled by local law enforcement agencies.
2. When possible, two-way traffic will be maintained on all evacuation routes to allow continued access for emergency vehicles.

3. For large-scale evacuations when time permits, traffic control devices, such as signs and barricades, will be provided by the cities Public Works or county Road & Bridge Departments upon request.
4. Law enforcement will request wrecker services when needed to clear disabled vehicles from evacuation routes.

F. Warning & Public Information

1. The Incident Commander will normally decide if an evacuation warning should be issued in and around an incident site. Respective EOCs or the Regional Unified Command (RUC) will normally disseminate warnings for large-scale evacuations beyond the incident site or where evacuation is conducted because of an imminent threat.
2. Advance Notice of Possible Evacuation
 - a. For slow developing emergency situations, advance warning should be given to affected residents as soon as it is clear evacuation may be required. Such advance notice is normally disseminated through the media. Advance warning should address suitable preparedness actions, such as securing property, assembling disaster supplies, fueling vehicles, and identifying evacuation routes.
 - b. Advance warning should be made to special needs facilities in a threatened evacuation area as early as possible. During notification, request facility staff review and prepare to implement their evacuation plans. Facility staff should also report their periodic status and any requirements for assistance to the EOC.
 - c. The special needs population should also be given advance notice. Notifying and preparing this segment of the population for evacuation will likely require additional time and resources. Any special circumstances or requests for assistance should be reported to on-scene authorities or EOC.
3. Evacuation Warning
 - a. Evacuation warning should be disseminated through all available warning systems. See Annex A, Warning, for further information.
 - b. In the case of immediate evacuation in and around an incident site, route alerting using siren and speaker-equipped vehicles moving through the affected area is usually effective. When possible, two vehicles should be employed—the first to get the attention of the people and a second will deliver the evacuation message. Door-to-door notification should be considered for large buildings and in rural areas where residences may be some distance from the road.
 - c. Special needs facilities may be notified directly by on-scene authorities or by the EOC staff. However, if both the incident command staff and the EOC will be making notifications, a specific division of responsibilities for notification should be made so that no facilities are inadvertently overlooked.
 - d. Law enforcement personnel should sweep the evacuation area to insure all those at risk have been advised of the need to evacuate and have responded. Persons who

refuse to evacuate will be left until all others have been warned and then, time permitting, further efforts may be made to persuade these individuals to leave.

4. Emergency Public Information

- a. Warning messages disseminated through warning systems alert the public to a threat and provide basic instructions. They are necessarily short and to the point. The public will often require amplifying information on what to do during an evacuation. The Public Information Officer (PIO) will insure that such information is provided to the media on a timely basis for further dissemination to the public. Provisions must be made to disseminate information to individuals with special needs, including the blind, hearing impaired and non-English speakers. Specific public information procedures are contained in Annex I (Emergency Public Information).
- b. Amplifying instructions for an evacuation may include information on the location of shelter and mass care facilities, specific evacuation routes, guidance on securing their homes, and the need for evacuees to take certain items with them during an evacuation. When school children are evacuated, parents need timely information on where to pick them up.
- c. When the incident that generated the need for evacuation is resolved, evacuees must be advised when it is safe to return to their homes and businesses.

G. Special Needs Population

1. Special needs facilities are responsible for the welfare and safety of their students, clients, patients, and inmates. Virtually all of these facilities are required to maintain an emergency plan that includes provisions for an emergency evacuation; however, in order to effectively implement those plans, they must be warned of emergency situations.
 - a. Schools & Day Care Centers
 - 1) If evacuation of public schools is required, students will normally be transported on school buses to other schools outside of the risk area, where they can be picked up by their parents. It is essential that the public be provided timely information on these arrangements. In the case of a large-scale emergency situation with advance warning, schools will generally be closed and students returned to their homes so they can evacuate with their families.
 - 2) Private schools and day care centers, including adult day care facilities, typically maintain limited transportation resources and may require government assistance in evacuating.
 - b. Hospitals, Nursing Homes, & Correctional Facilities.
 - 1) If evacuation of these facilities is required, patients and inmates should be transported, with appropriate medical or security support, to a comparable facility. The facility operator is responsible for making arrangements for suitable transportation and coordinating use of appropriate host facilities. In the case of short-notice or no-notice emergency situations, facilities may be unable to make

the required arrangements for transportation and may need assistance from local government with transportation and in identifying suitable reception facilities.

- 2) Medical patients, homeless, registered sex offenders, and prisoners should not be housed in shelter and mass care facilities with the general public.
2. Special needs citizens will require special evacuation assistance, transportation, shelter facilities, and medical care during major evacuations (See Annex H – Health and Medical). Our County emergency management plans will identify by type and estimated number the special needs population and address their needs before, during, and immediately after a major disaster or catastrophic incident.

H. Handling Pets During Evacuations

1. Evacuees who go to the homes of relatives, friends or commercial accommodations with their pets normally do not pose difficulties during evacuation. However, evacuees with pets seeking public shelter can create potential problems. For health reasons, pets are not allowed in emergency shelters operated by the American Red Cross and most other organized volunteer groups. However, a number of studies indicate that some people, particularly the elderly, will not leave their homes if they cannot take their pets with them. Loose pets remaining in an evacuated area may also create a public safety concern. Hence, it is desirable to make reasonable arrangements for evacuees who come to public shelters with pets. The Animal Control Officer should coordinate these arrangements.
2. Depending on the situation and availability of facilities, one or more of the following approaches will be used to handle evacuees arriving with pets:
 - a. Provide pet owners information on nearby kennels, animal shelters, and veterinary clinics that have agreed to temporarily shelter pets.
 - b. Direct pet owners to a public shelter with covered exterior corridors or adjacent support buildings where pets on leashes and in carriers may be temporarily housed.
 - c. Set up temporary pet shelters at fairgrounds, rodeo or stock show barns, livestock auctions, and other similar facilities.

I. Access Control & Security

1. Security in evacuated areas is extremely important. Those who have evacuated may not do so in the future if their property has been damaged or stolen during their absence. Law enforcement should establish access control points to limit entry into evacuated areas and, where possible, conduct periodic patrols within such areas to deter theft by those on foot. To the extent possible, fire departments will take measures to insure continued fire protection.
2. If an evacuated area has sustained damage and cannot be reoccupied for an extended period of time, it may be desirable to implement a permit system to limit access to emergency workers, homeowners, business owners, utility workers, and contractors

restoring damaged structures and removing debris. Refer to Annex G, Law Enforcement, for further information.

J. Return of Evacuees

1. Evacuees returning to their homes or businesses in evacuated areas require the same consideration, coordination, and control as the original evacuation. For limited incidents, the Incident Commander will normally make the decision to return evacuees and disseminate it as appropriate. For large-scale evacuations, the decision will normally be made by the County Judge and disseminated through the media.
2. The following conditions should prevail in the evacuated area before evacuees are authorized to return:
 - a. The threat prompting the evacuation has been resolved or subsided.
 - b. Sufficient debris has been removed to permit travel and roads and bridges are safe to use.
 - c. Downed power lines have been removed; ruptured gas, water, and sewer lines have been repaired; and other significant safety hazards have been eliminated. However, utility services may not be fully restored.
 - d. Structures have been inspected and deemed safe for occupancy.
 - e. Adequate water is available for firefighting.
3. For return and re-entry, it may be necessary to provide transportation for those who lack vehicles. Traffic control along return routes may also be required.
4. Public information intended for returnees should address such issues as:
 - a) Documenting damage for insurance purposes.
 - b) Caution in reactivating utilities and damaged appliances.
 - c) Cleanup instructions.
 - d) Removal and disposal of debris.

K. Actions by Phases of Emergency Management

1. Prevention
 - a. Where possible, undertake mitigation for known hazards that have in the past led to evacuation.
 - b. Discourage development, particularly residential construction, in potential risk areas, including floodplains, areas downstream from suspect dams and dikes, and areas adjacent to facilities that make, use, or store hazardous materials.
 - c. Seek improvement to preplanned evacuation routes if needed.

- d. Enhance warning systems to increase warning times and reduce the need for hasty evacuations.

2. Preparedness

- a. Identify areas where previous major evacuations have occurred and additional areas that may require large-scale evacuation in the future due to known hazards. See Appendix 2 for potential major evacuation areas other than hazardous materials risk areas; hazardous materials risk areas are described in Annex Q, Hazardous Materials & Oil Spill Response. Determine the population of risk areas and identify facilities that may require special assistance during evacuation (hospitals, nursing homes, schools, etc.) to determine potential transportation requirements.
- b. To the extent possible, identify individuals with special needs who would require assistance in evacuating and maintain contact information for those individuals.
- c. Identify primary and alternate evacuation routes, taking into account road capacities.
- d. Review the disaster preparedness plans of special facilities and advise facility operators of any changes that may be needed to make them more workable.
- e. Include evacuations in the scenario of periodic emergency drills and exercises.
- f. Conduct public information programs to increase citizen awareness of possible reasons for evacuation, preplanned evacuation routes, availability of transportation, the need to take appropriate food, clothing, and other disaster supplies during an evacuation, and the desirability of helping neighbors who may need assistance during an evacuation.
- g. Promulgate procedures for protecting government resources from known hazards by relocating them.

3. Response

See the General Evacuation Checklist in Appendix 1

4. Recovery

- a. Initiate return of evacuees, when it is safe to do so.
- b. Coordinate temporary housing for those who cannot return to their homes.
- c. Provide traffic control for return.
- d. Initiative recovery activities for evacuees who have suffered loss of or damage to their homes or businesses.
- e. Carry out appropriate public information activities.

VI. ORGANIZATION & ASSIGNMENT OF RESPONSIBILITIES

A. Organization

1. Our normal emergency organization, described in Section VI.A of the Basic Plan and depicted in Attachment 3 to the Basic Plan, will plan and carry out evacuations and the return of people to their homes or businesses. A large-scale evacuation, however, may require the formation of a RUC to support the Incident Command Posts (ICP) and EOCs.
2. Incident Command System (ICS) – EOC/RUC Interface
 - a. As noted previously, the Incident Commander will normally determine the need for, organize, and conduct limited evacuations in the immediate vicinity of the incident site. If large-scale evacuation is required, our chief elected official should make the recommendation for such evacuation to the public.
 - b. A division of responsibility for evacuation tasks should be agreed upon between the Incident Commander and the EOC. The Incident Commander will normally manage evacuation operations at the scene, while the EOC coordinates operations beyond the incident site, such as coordinating traffic control along evacuation routes, arranging for the activation of shelter and mass care facilities, and advising other jurisdictions of the evacuation.
 - c. During a large-scale evacuation, a division of responsibility for evacuation tasks should be agreed upon between the EOCs and the RUC. The EOCs will normally manage evacuation operations within their respective jurisdiction area while the RUC coordinates evacuation operations affecting multiple jurisdictional areas. The RUC will normally coordinate traffic control along evacuation routes, arrange for the activation of shelter and mass care facilities, and advise other jurisdictions.

B. Assignment of Responsibilities

1. The County Judge or Mayors will:
 - a. For emergencies and disasters, issue the order directing citizens to evacuate, when appropriate as applies to their respective areas.
 - b. Approve release of warnings, instructions, and other emergency public information relating to evacuation.
 - c. Coordinate evacuation efforts with other local governments that may be affected by the evacuation, where appropriate.
 - d. Direct the relocation of at risk essential resources (personnel, equipment, and supplies) to safe areas.
 - e. Direct the opening of local shelter and mass care facilities, if needed.

2. The Incident Commander will:
 - a. Identify risk areas in the vicinity to the incident site and determine protective actions for people in those risk areas.
 - b. If evacuation of risk areas and special needs facilities is required, plan, organize, and conduct the evacuation with the resources assigned.
 - c. Request support from the EOC to assist in coordinating evacuation activities beyond the incident site, such as activation of shelter and mass care facilities, if required.
3. The EMC will:
 - a. Develop and maintain evacuation planning information for known risk areas, including population of the area, and primary evacuation routes.
 - b. Review evacuation plans of special needs facilities within known risk areas and determine possible need for evacuation support.
 - c. Coordinate evacuation planning to include:
 - 1) Selection of suitable evacuation routes, based on recommendations from law enforcement.
 - 2) Movement control, based on recommendations from law enforcement.
 - 3) Transportation arrangements.
 - 4) Shelter and mass care arrangements.
 - 5) Special needs demographics and evacuation support requirements.
4. Common Tasks of All Organizations
 - a. If time permits, secure and protect facilities in evacuation areas.
 - b. If time permits, relocate essential equipment, supplies, and records to non-risk areas.
5. Law Enforcement will:
 - a. Recommend evacuation routes to the Incident Commander or EOC staff.
 - b. Assist in evacuation by providing traffic control.
 - c. Protect property in evacuated areas and limit access to those areas.
 - d. Secure and protect or relocate prisoners.
 - e. Coordinate law enforcement activities with other emergency services.

- f. Assist in warning the public.
 - g. Provide information to the PIO for public news releases on the evacuation routes.
6. The Fire Service will:
- a. Be responsible for fire protection in the vacated area.
 - b. Assist in warning the public.
 - c. Assist in evacuating special needs groups, as requested.
7. The Public Information Officer (PIO) will:
- a. Disseminate emergency information from the County Judge advising the public of evacuation actions to be taken.
 - b. Coordinate with area news media for news releases.
8. The cities Public Works or county Road & Bridge Departments will:
- a. Provide traffic control devices upon request.
 - b. Assist in keeping evacuation routes open.
 - c. Provide barricades and barriers to restrict entry to evacuated areas and other areas where entry must be controlled.
9. The Transportation Officer will:
- a. Coordinate transportation for evacuees without vehicles or who need assistance in evacuating, determining and establishing pickup points if necessary.
 - b. Coordinate transportation assistance for the evacuation of special needs facilities and special needs population.
 - c. Coordinate all transportation relating to relocation of essential resources.
 - d. Provide information to the PIO on pickup points or special pickup routes for those who require transportation, so that this information may be provided to the public.
10. The Shelter Officer will:
- a. For short-term evacuations, coordinate with operators of government-owned buildings schools, churches, and other facilities for use of their facilities as temporary evacuee holding areas.
 - b. For other than short-term evacuations, coordinate with the American Red Cross, to open shelters and activate mass care operations. See Annex C, Shelter & Mass Care, for further information

11. Health and Medical will:

Monitor evacuation of special needs facilities and coordinate evacuation assistance, if requested.

12. Animal Control will:

- a. Coordinate arrangements to provide temporary facilities for pets arriving with evacuees.
- b. Be prepared to provide shelter managers with information on procedures for handling evacuees with pets.

13. Special Needs Facilities (schools, hospitals, nursing homes, correctional facilities) will:

- a. Close and supervise evacuation of their facilities.
- b. Coordinate appropriate transportation for evacuees and in route medical or security support.
- c. Arrange for use of suitable host facilities.
- d. Request emergency assistance from local government if assistance cannot be obtained from other sources.
- e. Ensure assigned personnel are trained and knowledgeable of evacuation procedures.
- f. Disseminate public information to advise relatives and the general public of the status of their facilities and the patients, students, or inmates served by those facilities.

VII. DIRECTION AND CONTROL

A. General

- 1. The County Judge or Mayors have the general responsibility for ordering an evacuation, when deemed the most suitable means of protecting the public from a hazard in their respective areas.
- 2. In situations where rapid evacuation is critical to the continued health and safety of the population, the on-scene Incident Commander may recommend evacuation of people at risk in and around an incident scene and direct and control the required evacuation.
- 3. Large-scale evacuations and evacuations conducted on the basis of imminent threat where there is no current incident scene will normally be coordinated and directed by the EOC and RUC.

B. Evacuation Area Definition

1. Areas to be evacuated will be determined by those officials with the authority to direct a mandatory evacuation based on the counsel of those individuals and agencies with the necessary expertise, the use of specialized planning materials or decision aids, the recommendations of state and federal agencies, and, where appropriate, advice from other subject matter experts. Evacuation recommendations to the public should clearly describe the area to be evacuated with reference to known geographic features, such as roads and rivers.
2. The hazard situation which gave rise to the need for evacuation should be continually monitored in case changing circumstances, such as an increase in rainfall or wind shift, change the potential impact area and, thus, the area that must be evacuated.

C. Lines of Succession

1. The lines of succession for the County Judge, Mayors and the EMC are outlined in Section VII of the Basic Plan.
2. Lines of succession for each department and agency head shall be according to the standard operating procedures established by each department.

VIII. INCREASED READINESS ACTIONS
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A. Condition IV - Normal Conditions.

See the prevention and preparedness activities in section V.K, Actions by Phases of Emergency Management.

B. Condition III - Increased Readiness. Increased Readiness may be appropriate if there is a greater than normal threat of a hazard which could necessitate evacuation. Level III readiness actions may include:

1. Review information on potential evacuation areas, facilities at risk, and evacuation routes.
2. Monitor the situation.
3. Inform first responders and local officials of the situation.
4. Check the status of potential evacuation routes and shelter/mass care facilities.

C. Condition II - High Readiness. High Readiness may be appropriate if there is an increased risk of a hazard which necessitates evacuation. Level II readiness actions may include:

1. Monitor the situation.

2. Alert response personnel for possible evacuation operations duty.
3. Coordinate with special facilities to determine their readiness to evacuate.
4. Check the status of resources and enhance short-term readiness if possible. Monitor the availability of transportation assets and drivers.
5. Advise the public and special needs facilities to monitor the situation.

D. Condition I - Maximum Readiness. Maximum readiness is appropriate when there is a significant possibility that evacuation operation may have to be conducted. Level I readiness actions may include:

1. Activate the EOC to monitor the situation and track resource status.
2. Place first responders and transportation providers in an alert status; place off-duty personnel on standby.
3. Update the status of resources.
4. Check the status of evacuation routes and pre-position traffic control devices.
5. Update plans to move government equipment to safe havens.
6. Select shelter/mass care facilities for use.
7. Provide information to the public on planned evacuation routes, securing their homes, and what items they need to take with them. Prepare to issue a public warning if it becomes necessary.

IX. ADMINISTRATION AND SUPPORT

A. Reporting

Large-scale evacuations should be reported to state agencies and other jurisdictions that may be affected in the periodic Situation Reports prepared and disseminated during major emergency operations. The Situation Report format is provided in Annex N, Direction & Control.

B. Records

1. Activity Logs. The Incident Commander and, if activated, the EOC shall maintain accurate logs recording evacuation decisions, significant evacuation activities, and the commitment of resources to support evacuation operations.
2. Documentation of Costs. Expenses incurred in carrying out evacuations for certain hazards, such as radiological accidents or hazardous materials incidents, may be recoverable from the responsible party. Hence, all departments and agencies will

maintain records of personnel and equipment used and supplies consumed during large-scale evacuations.

C. Resources

General emergency response resources that may be required to conduct an evacuation are listed in Annex M, Resource Management.

D. Post Incident Review

For large-scale evacuations, the County Judge, Mayors, and EMC shall organize and conduct a review of emergency operations by those tasked in this annex in accordance with the guidance provided in Section IX.D of the Basic Plan. The purpose of this review is to identify needed improvements in this plan, procedures, facilities, and equipment.

E. Exercises

Local drills, tabletop exercises, functional exercises, and full-scale exercises shall periodically include an evacuation scenario based on the hazards faced by this jurisdiction.

X. ANNEX DEVELOPMENT AND MAINTENANCE

- A. The Sheriff is responsible for developing and maintaining this annex. Recommended changes to this annex should be forwarded as needs become apparent.
- B. This annex will be revised annually and updated in accordance with the schedule outlined in Section X of the Basic Plan.
- C. Departments and agencies assigned responsibilities in this annex are responsible for developing and maintaining SOPs covering those responsibilities.

XI. REFERENCES

FEMA, *Guide for All-Hazard Emergency Operations Planning* (SLG-101).

APPENDICES:

1General Evacuation Checklist
2 Potential Evacuation Areas
3 Hurricane Evacuation

GENERAL EVACUATION CHECKLIST

✓	Action Item	Assigned
	PLANNING:	
	1. Determine area(s) at risk: <ul style="list-style-type: none"> ▪ Determine population of risk area(s) ▪ Identify any special needs facilities and populations in risk area(s) 	
	2. Determine evacuation routes for risk area(s) & check the status of these routes.	
	3. Determine traffic control requirements for evacuation routes.	
	4. Estimate public transportation requirements & determine pickup points.	
	5. Determine temporary shelter requirements & select preferred shelter locations.	
	ADVANCE WARNING:	
	6. Provide advance warning to special needs facilities & advise them to activate evacuation, transportation & reception arrangements. Determine if requirements exist for additional support from local government.	
	7. Provide advance warning of possible need for evacuation to the public, clearly identifying areas at risk. See Annex I, Emergency Public Information.	
	8. Develop traffic control plans & stage traffic control devices at required locations	
	9. Coordinate with special needs facilities regarding precautionary evacuation. Identify and alert special needs populations.	
	10. Ready temporary shelters selected for use.	
	11. Coordinate with transportation providers to ensure vehicles & drivers will be available when and where needed.	
	12. Coordinate with school districts regarding closure of schools.	
	13. Advise neighboring jurisdictions that may be affected of evacuation plans.	
	EVACUATION:	
	14. Advise neighboring jurisdictions & the local Disaster District that evacuation recommendation or order will be issued.	
	15. Disseminate evacuation recommendation or order to special needs facilities and populations. Provide assistance in evacuating, if needed.	
	16. Disseminate evacuation recommendation or order to the public through available warning systems, clearly identifying areas to be evacuated.	
	17. Provide amplifying information to the public through the media. Emergency public information should address: <ul style="list-style-type: none"> ▪ What should be done to secure buildings being evacuated ▪ What evacuees should take with them ▪ Where evacuees should go & how should they get there ▪ Provisions for special needs population & those without transportation 	
	18. Staff and open temporary shelters	
	19. Provide traffic control along evacuation routes & establish procedures for dealing with vehicle breakdowns on such routes.	
	20. Provide transportation assistance to those who require it.	
	21. Provide security in or control access to evacuated areas.	

	22. Provide Situation Reports on evacuation to the local Disaster District.	
	RETURN OF EVACUEES	
	23. If evacuated areas have been damaged, reopen roads, eliminate significant health and safety hazards, & conduct damage assessments.	
	24. Determine requirements for traffic control for return of evacuees.	
	25. Determine requirements for & coordinate provision of transportation for return of evacuees.	
	26. Advise neighboring jurisdictions and local Disaster District that return of evacuees will begin.	
	27. Advise evacuees through the media that they can return to their homes and businesses; indicate preferred travel routes.	
	28. Provide traffic control for return of evacuees.	
	29. Coordinate temporary housing for evacuees that are unable to return to their residences.	
	30. Coordinate with special needs facilities regarding return of evacuees to those facilities.	
	31. If evacuated areas have sustained damage, provide the public information that addresses: <ul style="list-style-type: none"> ▪ Documenting damage & making expedient repairs ▪ Caution in reactivating utilities & damaged appliances ▪ Cleanup & removal/disposal of debris ▪ Recovery programs See Annex J, Recovery. 	
	32. Terminate temporary shelter & mass care operations.	
	33. Maintain access controls for areas that cannot be safely reoccupied.	

POTENTIAL EVACUATION AREAS

ID# E-1
Description: Area north & east of Sh. 1593 and State hwy 35 extending to And beyond the towns of Lolita, and Laward
Hazard: Chemical release from the Formosa Plastics plant
Est. Population: 2000-2500, besides the population of these two towns the citizens living in the rural areas
Evacuation Routes: Hwy 616 East or West as well as Hwy 1593 not in the danger area
Est. Evacuation Time: 4 hours

ID# E-2
Description: Area east and south east of the town of Lolita
Hazard: Chemical release from the Formosa plastics rail yard
Est. Population: 1500
Evacuation Routes: Hwy 616 East & West
Est. Evacuation Time: 4 hours

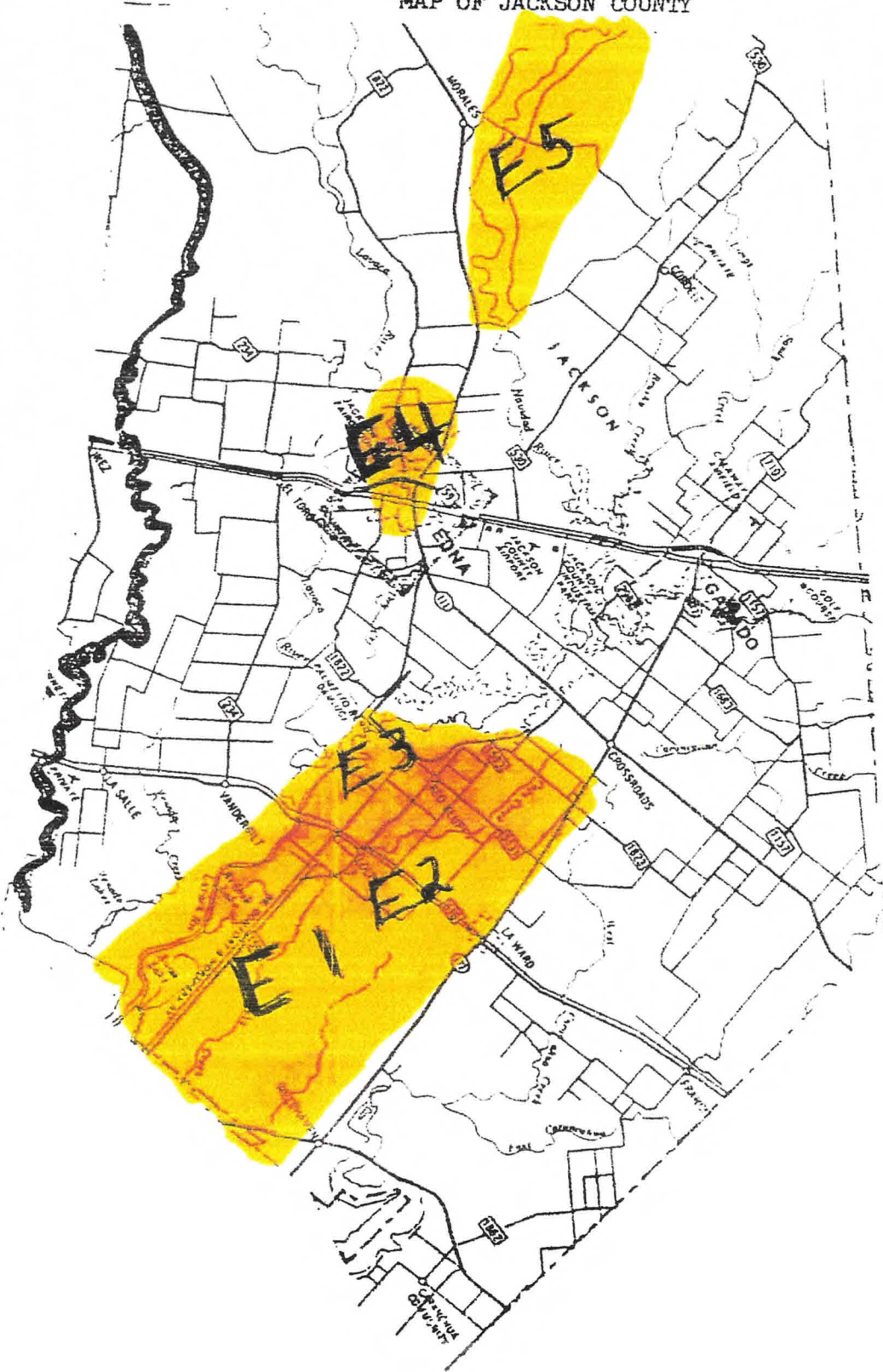
ID# E-3
Description: Area south & southeast of the Lake Texanna Spillway
Hazard: Dam failure
Est. Population: 1500-2000
Evacuation Routes: Hwy 3131 West, and Hwys. 1593 & 616 East
Est. Evacuation Time: 4 hours

ID# E-4
Description: Flood prone area
Hazard: Home & street flooding
Est. Population: 800-1200
Evacuation Routes: All city streets leading out of the area
Est. Evacuation time: 5 hours

ID# E-5
Description: Rural area Northeast of Hwys 111 & 401 extending along the Navidad River channel to the county line
Hazard: River flooding
Est. Population: 500
Evacuation Routes: All County roads leading away from the ares
Est. Evacuation time: 3 hours

APPENDIX 2 TO ANNEX E

HAZARDOUS AREAS MAP
MAP OF JACKSON COUNTY



APPENDIX 3

Annex E

JACKSON COUNTY

**INCLUDING THE CITIES OF:
EDNA, GANADO & LAWARD**

HURRICANE EVACUATION

HURRICANE EVACUATION

I. PURPOSE

This appendix provides for an orderly and coordinated evacuation of people, vital equipment, and essential supplies from those portions of the county threatened by hurricanes if it is determined that such action is the most effective means of protecting the populace, vital equipment, and supplies from the effects of such storms.

II. EXPLANATION OF TERMS

A. Acronyms

ARC	American Red Cross
DDC	Disaster District Committee
DPS	Texas Department of Public Safety
EAC	Evacuation Assistance Center
EAS	Emergency Alert System
EOC	Emergency Operations Center
ICS	Incident Command System
NIMS	National Incident Management System
NRF	National Response Framework
NWS	National Weather Service
TLETS	Texas Law Enforcement Telecommunications System

B. Definitions

1. Evacuation. The National Incident Management System (NIMS) defines evacuation as an organized, phased, and supervised withdrawal, dispersal, or removal of civilians from dangerous or potentially dangerous areas, and their reception and care in safe areas.
2. HURREVAC. A PC-based storm tracking and hurricane evacuation decision aid distributed by the US Corps of Engineers and FEMA. The software links to a web site to download data files with current NWS storm forecasts and processes the data to display storm track and evacuation decision information.
3. Hurricane Risk Areas. These are areas at risk from winds and storm surge associated with hurricanes. There are five of these risk areas, each corresponding to one of the five categories of hurricanes on the Saffir-Simpson Scale. The stronger the storm, the greater the inland impact will be and the more risk areas affected.
4. Saffir-Simpson Scale. This scale is used to rate a hurricane's current intensity on a 1 to 5 scale. The scale identifies the potential property damage that storms in each category can cause.

Storm categories include:

Hurricane Category	Wind Speeds
1	74 to 95 mph
2	96 to 110 mph
3	111 to 130 mph
4	131 to 155 mph
5	greater than 155 mph

III. SITUATION AND ASSUMPTIONS

A. Situation

1. Coastal areas of Texas are at risk from the threat of hurricanes. There is a significant possibility that a hurricane will strike the Texas coast and impact political jurisdictions within the county with extremely strong winds, storm surge, and torrential rains. Tornadoes may also be spawned by the hurricane. The potential for damage will depend on the storm's strength, where it makes landfall, and the angle of the storm path.
2. Jackson County is in a hurricane risk area for a Category 1 or greater storm. Areas at risk are depicted in Tab A.

B. Assumptions

1. An evacuation of local residents at risk from the effects of hurricanes is an effective means of saving lives and reducing personal injuries.
2. Public shelters will not be operated in hurricane risk areas.
3. Based on a survey of Texas coastal residents (Reference paragraph VI.B), it is estimated that an average of 36.8 percent of risk area residents will evacuate for a Category 1 storm when advised to do so. An estimated 54.5 percent will evacuate for a Category 2 storm, 77.7 percent for a Category 3 storm, 89.1 percent for a Category 4 storm, and 91.7 percent for a Category 5 storm. Additionally, significant numbers of residents of adjacent areas where evacuation has not been recommended will spontaneously evacuate. An estimate of the number of hurricane evacuees in the local area is provided in Tab B.
4. School districts will dismiss classes prior to the implementation of hurricane evacuation so that school children can evacuate with their parents.
5. The primary means of hurricane evacuation will be by personal vehicle. Individuals who do not have personal vehicles may require assistance in evacuating.
6. Public and privately owned transportation resources in the local area will be used to provide evacuation transportation for those without personal transportation.

7. In the event suitable facilities are not available to protect essential equipment and records owned by local government from the effects of a hurricane, that equipment and those records will be relocated to safe havens further inland.

IV. CONCEPT OF OPERATIONS

A. General

Evacuations will include work in an Incident Command System (ICS) environment.

B. Pre-Evacuation Warning

1. It is desirable to provide pre-evacuation warnings to residents of all hurricane risk areas. As hurricanes are normally fairly slow moving, it should generally be possible to provide both warnings and pertinent instructions to the public ensuring the needs of the whole community are addressed including individuals with access and functional needs. See Annex A for warning procedures and Annex I for public information procedures.
2. Tropical weather forecasts and warning from the National Weather Service (NWS) are disseminated through the Texas Law Enforcement Telecommunications System (TLETS). NWS hurricane related products may also be obtained through the Internet and commercial weather systems.
3. Special attention should be given to providing appropriate warning and instructions to:
 - a. Tourists who may be unfamiliar with the threat posed by a hurricane and with evacuation routes.
 - b. People occupying travel trailers and recreational vehicles, which are particularly vulnerable to wind effects.
 - c. Boat owners. Boat owners should be advised to remove their boats from the water to secure storage, move them to protected moorings, or take appropriate measures to secure and protect them in place.
 - d. Institutional facilities and populations with access and functional needs.

C. Evacuation Decision Support

Local officials may use a variety of weather products and hurricane decision aids to track storms and provide information helpful in making an evacuation decision. HURREVAC is a free software program for government emergency managers, which provides an estimate of the time an evacuation must begin in order for it to be completed before the arrival of gale force winds. HURREVAC runs on a personal computer.

D. Prior Notification of Evacuation Decision.

1. Prior to announcing an evacuation decision to the local populace, the County Judge should have the Emergency Operations Center (EOC) notify:
 - a. Other jurisdictions within the county that are located on outbound hurricane evacuation routes. Notification should be accomplished by telephone or a TLETS message group broadcast to all other jurisdictions within the county.
 - b. The Disaster District Committee (DDC) Chairman in Victoria, Texas by phone or TLETS message. The DDC Chairman will, in turn, notify inland counties expected to receive transiting evacuation traffic and those counties expected to receive and host evacuees from our area by TLETS message or other means.
2. The purpose of this procedure is to ensure that those jurisdictions that will be supporting the evacuation effort are warned so that emergency facilities can be staffed, equipment and personnel deployed, and evacuee reception plans implemented.

E. Precautionary Evacuation

It may be appropriate for local officials to recommend precautionary evacuation of certain residents in advance of a general evacuation recommendation. Precautionary evacuation recommendations may be appropriate for:

1. Areas where access routes may be inundated by heavy rainfall in advance of an approaching hurricane.
2. Mobile Home Residents. Mobile homes may be vulnerable when wind speeds are substantially less than 100 mph and it will be appropriate to recommend early evacuation for mobile home residents.
3. Populations with access and functional needs and Institutional Facilities. Evacuating functional and access needs populations and functional institutional facilities may require specialized transportation equipment, en route support, and detailed coordination with reception areas to arrange suitable facilities for prisoners, hospital and nursing home patients, and clients of other functional and access needs facilities. It may be appropriate to recommend precautionary evacuation for these individuals and institutions. A list of medical facilities in the local area is provided in Annex H (Health and Medical Services).

F. General Evacuation Recommendations

1. A recommendation to evacuate should be issued by the County Judge in time to permit the evacuation to be completed safely. The county will use all means available to disseminate the evacuation recommendation or order.
2. Due to the difficulties of providing traffic direction and control at night, it is desirable that an evacuation be conducted during daylight hours to the extent possible.

G. Local Shelters

1. Public shelters operated by the American Red Cross will not be set up in hurricane risk areas. Given the difficulty of accurately predicting a hurricane's precise impact area and wind velocity at landfall, it is undesirable to operate public shelters in these areas.
2. If shelters for emergency service personnel, utility workers, or others must be established in hurricane risk areas, they should be established only in buildings that will not be affected by flooding and have been determined to be capable of withstanding expected wind loads.

H. Evacuation Routes & Traffic Control Points

The hurricane evacuation routes and traffic control points for County are depicted in Tab D to this appendix. Evacuee destinations are described in Tab C. Inland evacuation routes are depicted in Tab D.

I. Estimated Evacuation Times

The estimated hurricane evacuation times for this area for various categories of hurricanes are included in Tab B to this appendix.

J. Continuity of Operations

1. Key personnel and essential equipment and supplies that will be needed for response and recovery and that are at risk from hurricane effects should be protected in place or temporarily removed to safer areas to protect them. Each emergency service and department should make plans to protect its key personnel and material, identifying needs for inland relocation sites to the individual charged with coordinating for the use of those sites. This should be done prior to the beginning of hurricane season.
2. If inland relocation sites are needed for equipment, supplies, and personnel, the Unit Leader will be responsible for informing the EOC of plans to relocate resources and coordinating temporary relocation sites with host jurisdictions as needed.
3. Plans for temporary relocation of equipment and personnel to inland host areas are outlined in Tab G. Each emergency service and/or department that deploys or temporarily relocates equipment, supplies, or personnel outside this jurisdiction should provide information on the equipment or personnel actually deployed and their temporary locations to the EOC.
4. The County Judge & Mayors may direct deployment of personnel, equipment, and supplies to support relocated local residents in reception areas if those reception areas have insufficient resources to cope with the evacuee population they have received.

K. Transportation

1. Individuals

- a. General. Most residents are expected to relocate in their personal vehicles. Survey results indicate that many households would take more than one vehicle during a hurricane evacuation; hence, extra space may be available in some vehicles. A strong emphasis on the need for ride sharing in public information materials could help reduce the fairly substantial requirements for public transportation for those without vehicles.
- b. Evacuation Assistance Center (EAC). To avoid saturating primary telephone circuits used by the emergency services, an EAC with multiple incoming phone lines should be established in a separate room near the EOC to handle requests from the elderly, disabled, and others who cannot get to public transportation pickup points. The EAC will compile requests by geographic area and give the information to the Transportation Officer.
- c. People without Transportation.
 - 1) There will be a sizable number of people who do not own a vehicle. These individuals should be encouraged to seek rides with friends and neighbors, if possible. Ride sharing can significantly reduce requirements for local government to provide transportation assistance. People who cannot arrange their own transportation will be provided public transportation out of the evacuation area.
 - 2) The general approach for evacuating populations who lack transportation is to designate multiple pickup points within the local area. Individuals will be picked up at pickup points and transported to a staging area to be set up at the County services building located at 401 N. Wells in Edna.. Buses will depart from the staging area to inland areas. Pickup points will be identified at the time of the evacuation and passed to the general public through the media.
 - 3) The number of people who will require transportation depends primarily on the strength of the hurricane.
- d. Accessible Transportation. Individuals with disabilities, elderly, those who cannot get to a transportation pickup point, and those with functional and access needs who require assistance in relocating will be picked up at their residences and in response to telephone requests to the EAC for public transportation, and delivered to the staging area.
- e. See Tab F for estimates of the number of people who may need transportation and the available transportation resources.

2. Institutional Facilities

- a. Institutional Facilities, which are expected to require careful planning to evacuate, include hospitals, nursing homes, jails, and institutions for

individuals with disabilities. These facilities are required to have their own evacuation plans which outline the transportation resources required to conduct an evacuation, as well as requirements for other resources such as food, medicine, and attendants. They are expected to contract with transportation providers and make arrangements with suitable reception area facilities to lodge their clients. The majority of which will be placed

- b. Evacuation of multiple facilities in a relatively short period will require detailed planning and coordination by local officials, because more than one facility may have planned to use the same transportation resources (such as ambulances or buses equipped with wheelchair lifts). The EMC is responsible for monitoring evacuation plans for institutional facilities and coordinating with them to ensure that resources which may be needed by more than one facility are made available to each at the proper time. Facility operators are responsible for advising the EOC when their facility has been evacuated and identifying the specific reception area facility or facilities to which their clients have been relocated.
 - c. Whenever possible, residents of institutional facilities should be relocated as institutional groups, together with their attending staff. They may be housed in general population shelters. Prisoners, registered sex offenders, and medical patients cannot be lodged in ARC shelters for the general public.
3. Key Workers.

Essential emergency service and utility employees may use personal vehicles for commuting and business. In some cases, a worker's family may use the personal vehicle to evacuate, leaving key workers without transportation to or within the risk area. Department chiefs should work with these individuals and, if necessary, the Transportation Officer to arrange alternate transportation.

L. Evacuation Movement

1. Rest and Refueling Facilities. Evacuees can use service stations within the county for rest, refuel, and minor vehicle maintenance; other areas will identify suitable rest and refueling facilities. Service stations should be encouraged to extend their operating hours during the initial stages of the evacuation. Other jurisdictions are expected to identify rest and refueling facilities within their area.
2. Disabled Vehicles. Disabled vehicles should not be permitted to block evacuation routes. They should be removed from roadways as soon as possible. Sheriff's units should be prepared to assist stranded motorists, as towing and repair services may be degraded as the evacuation proceeds.

M. Traffic Direction and Control

1. Hurricane evacuation traffic is controlled and directed by both local law enforcement personnel and Texas Department of Public Safety (DPS) troopers working in concert. Local evacuation traffic controls should be implemented before a local evacuation recommendation is issued. This includes deploying local law

enforcement units and making required alterations to the operation of traffic control devices.

2. Where area-wide hurricane traffic management plans exist, the DDC Chairman will normally announce implementation of the plan and the end of operations pursuant to the plan.
3. A map of local and DPS traffic control points and a map of inland evacuation routes is provided in Tab D.

N. Reception Facility Coordination

1. Coordination with Host Jurisdictions. The Shelter Officer, assisted by local ARC representatives, should maintain contact with shelter management officials in host areas to coordinate shelter openings and closings and identify shelters where public transportation vehicles should discharge evacuees. To reduce the cycle time for public transportation, it is desirable that some of the closest public shelters be earmarked for those using public transportation. Information on the reception area shelters to be used by those arriving via public transportation must be provided to the Transportation Officer.
2. Institutional Facilities. Although institutional facilities are responsible for arranging reception facilities for their clients, the Emergency Management Coordinator should be prepared to assist in this effort, if required, by coordinating with emergency management officials in host areas to identify suitable reception facilities. Prisoners, registered sex offenders, and medical patients should not be housed in shelters for the general population without special provisions.

O. Public Information

1. Precautionary and general evacuation recommendations will normally be disseminated through the Emergency Alert System (EAS), as well as all local media outlets.
2. The Public Information Officer will disseminate information on hurricane preparedness activities, evacuation routes, transportation pickup points, transportation request procedures for individuals with access and functional needs, and others who may require additional assistance, and the phone number(s) for the EAC.

P. Coordination with the Disaster District

It is essential to keep the local DDC Chairman informed of the progress of the hurricane evacuation. In the aftermath of a storm, it is important to advise the DDC Chairman of areas that have sustained such damage that they cannot be immediately reoccupied so that this information may be passed to inland reception areas that will be hosting evacuees from the affected area.

Q. Security of Evacuated Areas & Reentry

1. State law provides a county judge or mayor with the authority to order the evacuation of all or part of the population from a stricken or threatened area within their respective jurisdictions. When a County Judge or Mayor has issued a declaration of a local state of disaster, he or she may then order an evacuation of their jurisdiction. The County Judge or Mayor may also issue orders to control ingress and egress from a disaster area, curtail movement, and deny building occupancy within the disaster area.
2. When a hurricane evacuation has been conducted, evacuees have historically left the inland areas where they have taken refuge from the storm and begun returning to the local area as soon as storm conditions dissipate and roads are passable. This means that returnees may arrive before damage assessments have been completed.
3. Access control points will be established to limit access to evacuated areas to reduce public exposure to dangerous conditions and curtail theft from unoccupied buildings. Patrols may be conducted to maintain security in evacuated areas. Access control points generally cannot be selected in advance, but law enforcement personnel should be prepared to establish and operate them as soon as it is clear which areas have suffered significant damage. To ensure consistency, all access control points should have specific written guidance on who may be admitted. Implementation of a pass system may be appropriate.
 - a. In the initial phase of reentry, access to the disaster area should be limited to:
 - 1) Emergency service and public works personnel eliminating major hazards, such as fires or downed power lines.
 - 2) Utility company employees engaged in turning off or repairing damaged utilities.
 - 3) Contractors clearing roads and removing debris or hazardous materials.
 - b. In the second phase of reentry, access to the disaster area may be expanded to include:
 - 1) Residents and business owners in the affected area, when it is determined that it is safe to reenter the areas to salvage belongings and make expedient repairs.
 - 2) Insurance agents.
 - 3) Media representatives.
 - 4) Contractors repairing damaged buildings.
 - 5) Commercial vehicles delivering food, essential supplies, life support equipment, construction supplies, and related material.
 - c. The third phase of reentry involves reopening the disaster area to normal traffic.
4. Before announcing the decision to authorize a general return of residents to a damaged area, local officials should notify emergency management officials in those areas that may be affected by the return traffic flow in order that traffic control resources can be deployed.

V. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES:

A. Organization

1. See Basic Plan
2. See Annex E, Section VI

B. Task Assignment

1. County Judge & Mayors:
 - a. See Annex E, Section VI.
 - b. Make recommendations or order precautionary and general evacuation of hurricane risk areas.
 - c. Ensure nearby jurisdictions and the local DDC Chairperson is notified prior to advising the public to evacuate.
2. Emergency Management Coordinator:
 - a. See Annex E, Section VI
 - b. Maintain information on evacuation plans for institutional facilities, functional and access needs population, and the status of the resources required to carry them out. Monitor evacuation of these facilities.
 - c. Establish the location, required staffing, and operating procedures for the Evacuation Assistance Center.
 - d. Coordinate with reception area emergency management personnel to provide information and instructions to evacuees.
 - e. Coordinate temporary relocation sites for equipment and personnel. Maintain information on essential emergency resources temporarily deployed out of the area to protect them.
3. County Sheriff & Police Chief]:

See Annex E, Section VI
4. Fire Chiefs:

See Annex E, Section VI
5. Public Information Officer:
 - a. See Annex E, Section VI.

- b. Coordinate distribution of hurricane preparedness materials to the public and the media at the beginning of hurricane season and as necessary thereafter ensuring the needs of the whole community are addressed.
 - c. In preparation for implementation of a hurricane evacuation, provide information on evacuation routes, procedures, and emergency status information to the public through all media outlets.
6. Transportation Officer:
- a. See Annex E, Section VI
 - b. Receive all emergency transportation requirements compiled by the EAC and coordinate resource tasking with bus companies, area schools, churches, and other agencies with transportation assets.
 - c. Coordinate with the local ARC representative to identify desired reception area destinations for evacuees being transported using public transportation.
7. Public Works:
- See Annex E, Section VI
8. Human Services Officer:
- See Annex E, Section VI
9. Shelter Officer & American Red Cross (through agreement):
- a. See Annex E, Section VI.
 - b. Coordinate with reception area ARC representatives to obtain information on shelter opening and closing plans and suitable offload points for public transportation.

VI. REFERENCES

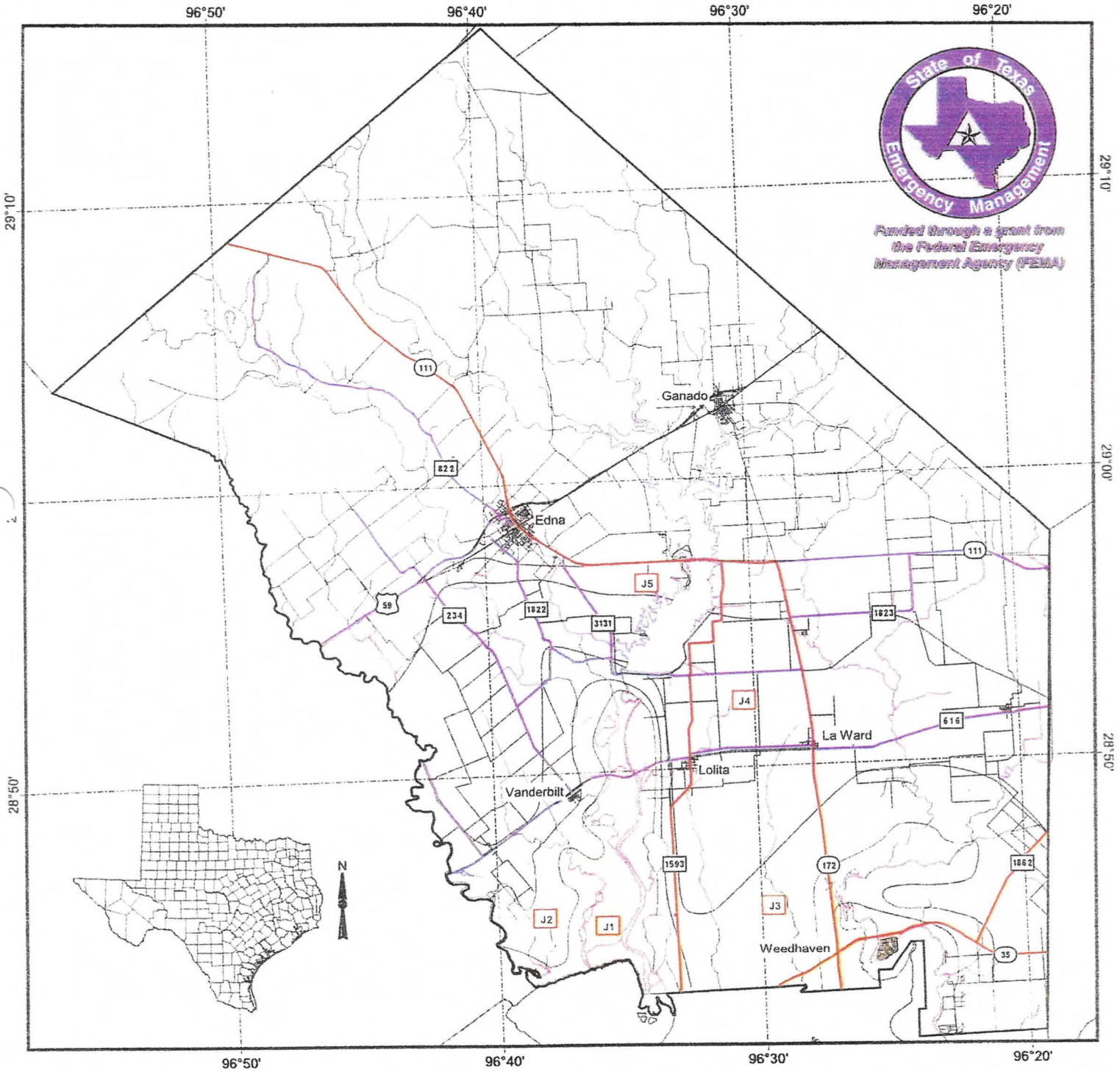
- A. *Hurricane Contingency Planning Guide for the Matagorda Study Area.*
- B. *Texas Gulf Coast Residents' Expectations and Intentions Regarding Hurricane Evacuation*, Hazard Reduction & Recovery Center, Texas A&M University, August 2001.
- C. *Local Population and Estimated Evacuation in Risk Areas of the Texas Gulf Coast*, Hazard Reduction & Recovery Center, Texas A&M University, October 2002.
- D. *Hurricane Evacuation Time Estimates for the Texas Gulf Coast*, Hazard Reduction & Recovery Center, Texas A&M University, March 2002
- E. Storm Atlas for the Matagorda Study Area.

- F. TDEM Brochure: "Texas Hurricanes - Evacuation Tips for Jackson County"
- G. TDEM Brochure: "Texas Hurricanes – Evacuation Tips for the Matagorda Study Area"
- H. TDEM Brochure: " Inland Evacuation Routes for the Matagorda Study Area"

Tabs:

- A. Hurricane Risk Area Map
- B. Estimates of Evacuees & Evacuation Times
- C. Evacuee Destinations & Lodging
- D. Evacuation Routes & Traffic Control Points
- E. Inland Evacuation Routes
- F. Transportation Requirements & Resources for Hurricane Evacuation
- G. Relocation Areas for Equipment, Supplies, & Personnel

HURRICANE RISK AREA MAP



ESTIMATE OF HURRICANE EVACUEES & EVACUATION TIMES

**Estimated
Hurricane Evacuees**

Jurisdiction: JACKSON COUNTY		Cat 1 Storm	Cat 2 Storm	Cat 3 Storm	Cat 4 Storm	Cat 5 Storm
Population At Risk = 15,000		1125	1767	2634	3009	3119
Estimated Evacuees						

Source: Reference B, paragraph VI.B.

**Estimated Evacuation Times
In Hours
Matagorda**

Jurisdiction: JACKSON COUNTY		Cat 1 Storm	Cat 2 Storm	Cat 3 Storm	Cat 4 Storm	Cat 5 Storm
Estimated Evacuation Time		7 Hrs	8 Hrs	8 Hrs	9 Hrs	9 Hrs

The information above is an estimate of the time it will take to get all people evacuating from the affected risk areas beyond the risk area boundary. Most people will require additional travel time to get to their final destination.

Source: Hurricane Risk Area Maps.

EVACUEE DESTINATIONS & LODGING

Evacuee Destinations for Maragorda Study Area

Destinations Based on Survey Results	Percentage Of Evacuees
Inland portion of the Study Area	
Central Texas:	
Austin	15.1
San Antonio	26.4
Other Areas	16.0
East Texas:	
Houston	1.9
Other Areas	1.9
South Texas	16.0
North Texas	
Dallas	2.9
Other Areas	1.9
West Texas	
Unknown, Out of State/Country	16.0

See the map on the following page for area boundaries.

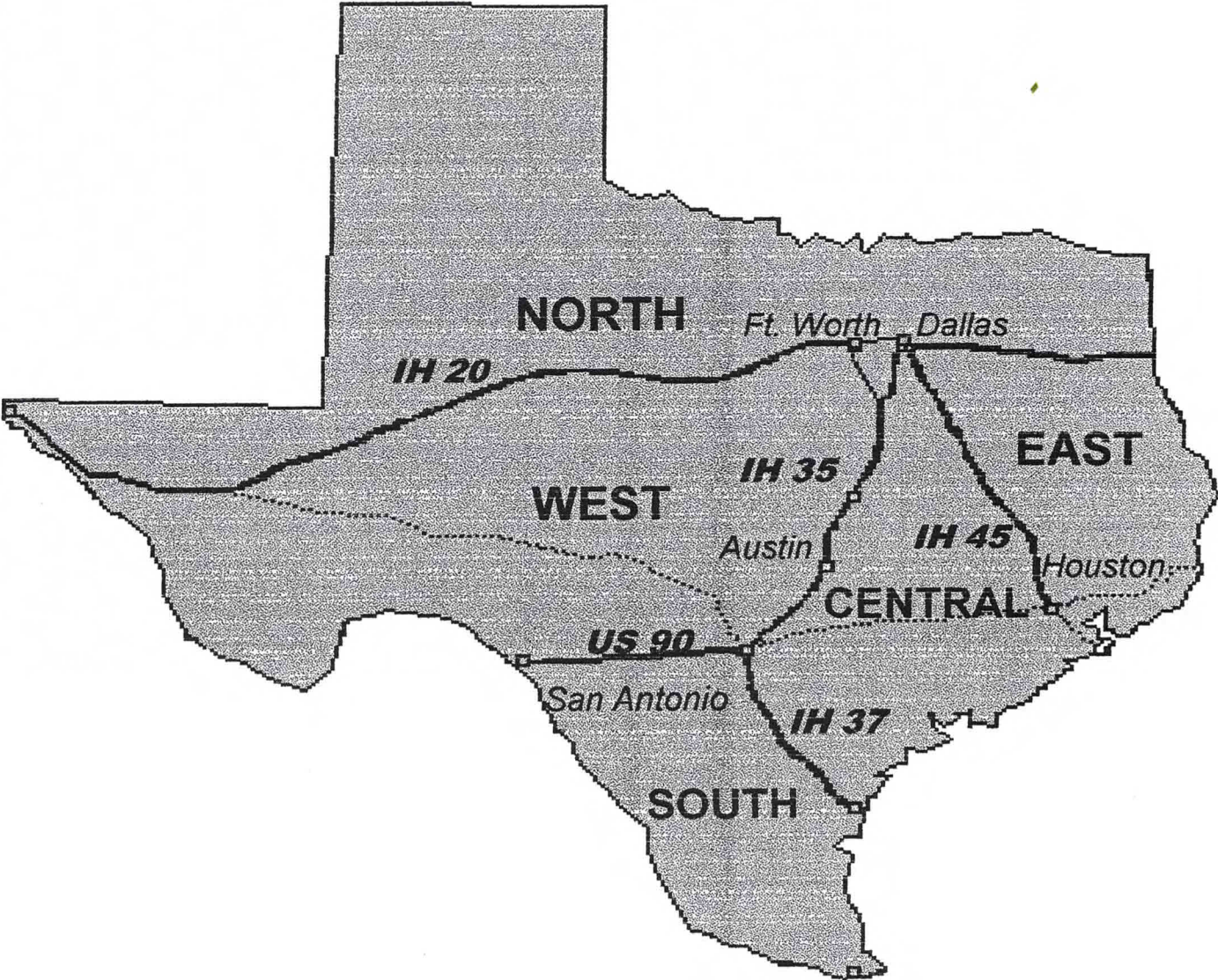
Source: Reference B, paragraph VI.B.

Evacuee Lodging

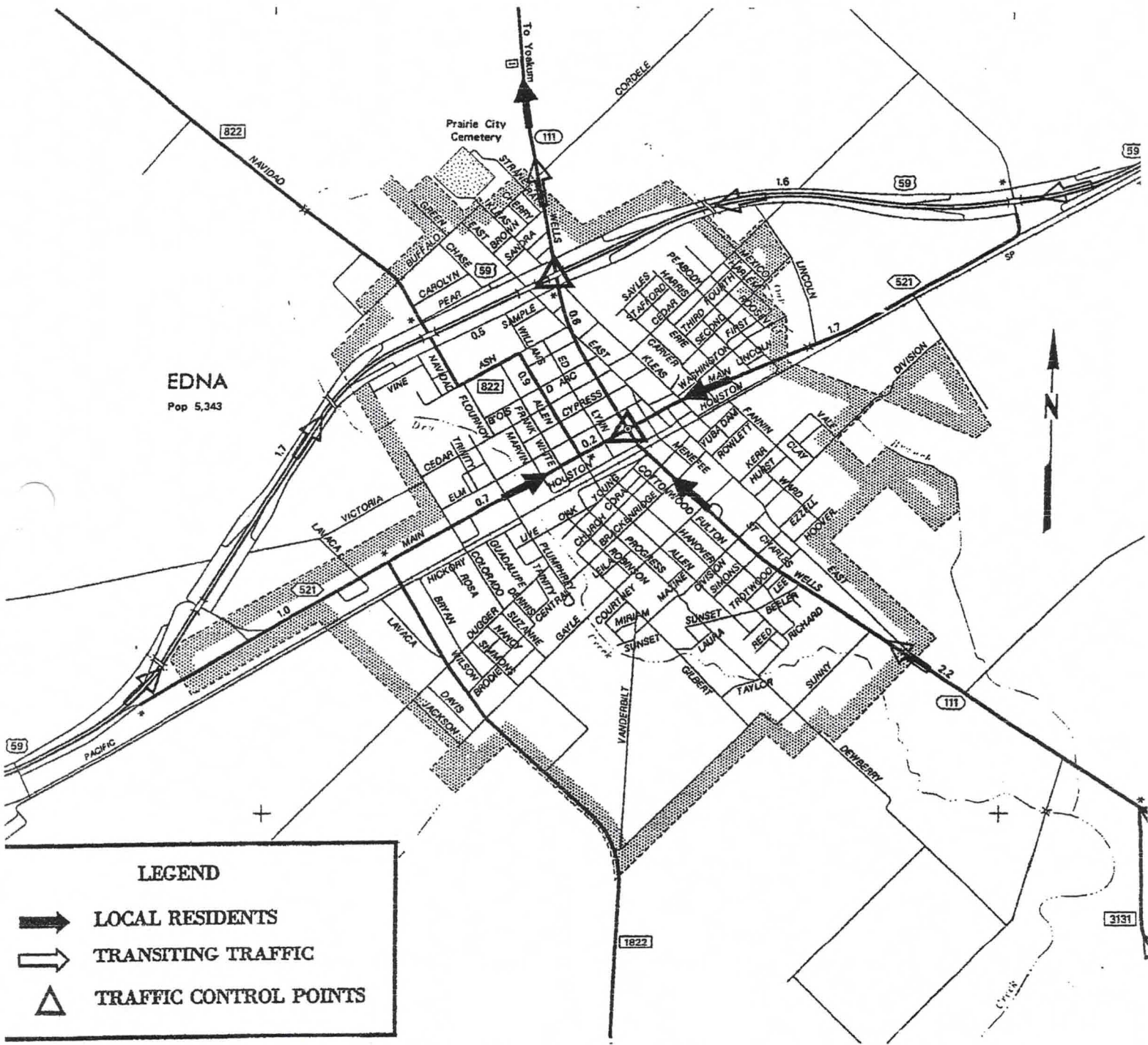
Intentions Based on Survey Results	Percentage Of Evacuees
Stay with friends or relative	46.3
Stay in hotel or motel	32.3
Stay in recreational vehicle or trailer	4.3
Stay in public shelter	3.4
Stay in second home	3.2
Unknown	9.8

Source: Reference B, paragraph VI.B.

Hurricane Evacuation Destination Area Boundaries



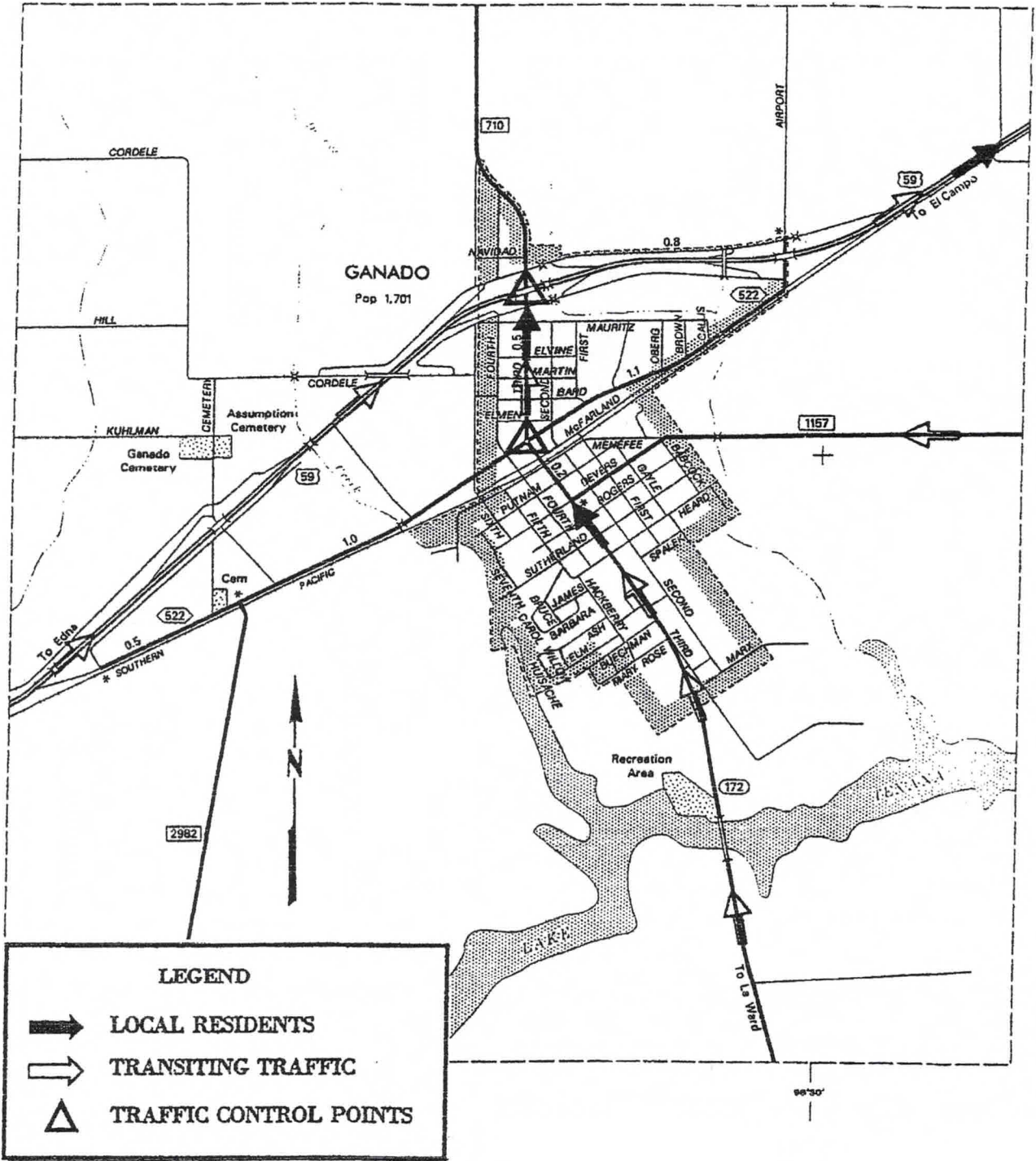
EVACUATION ROUTES WITHIN EDNA



LEGEND

- ➔ LOCAL RESIDENTS
- ➡ TRANSITING TRAFFIC
- △ TRAFFIC CONTROL POINTS




EVACUATION ROUTES WITHIN GANADO



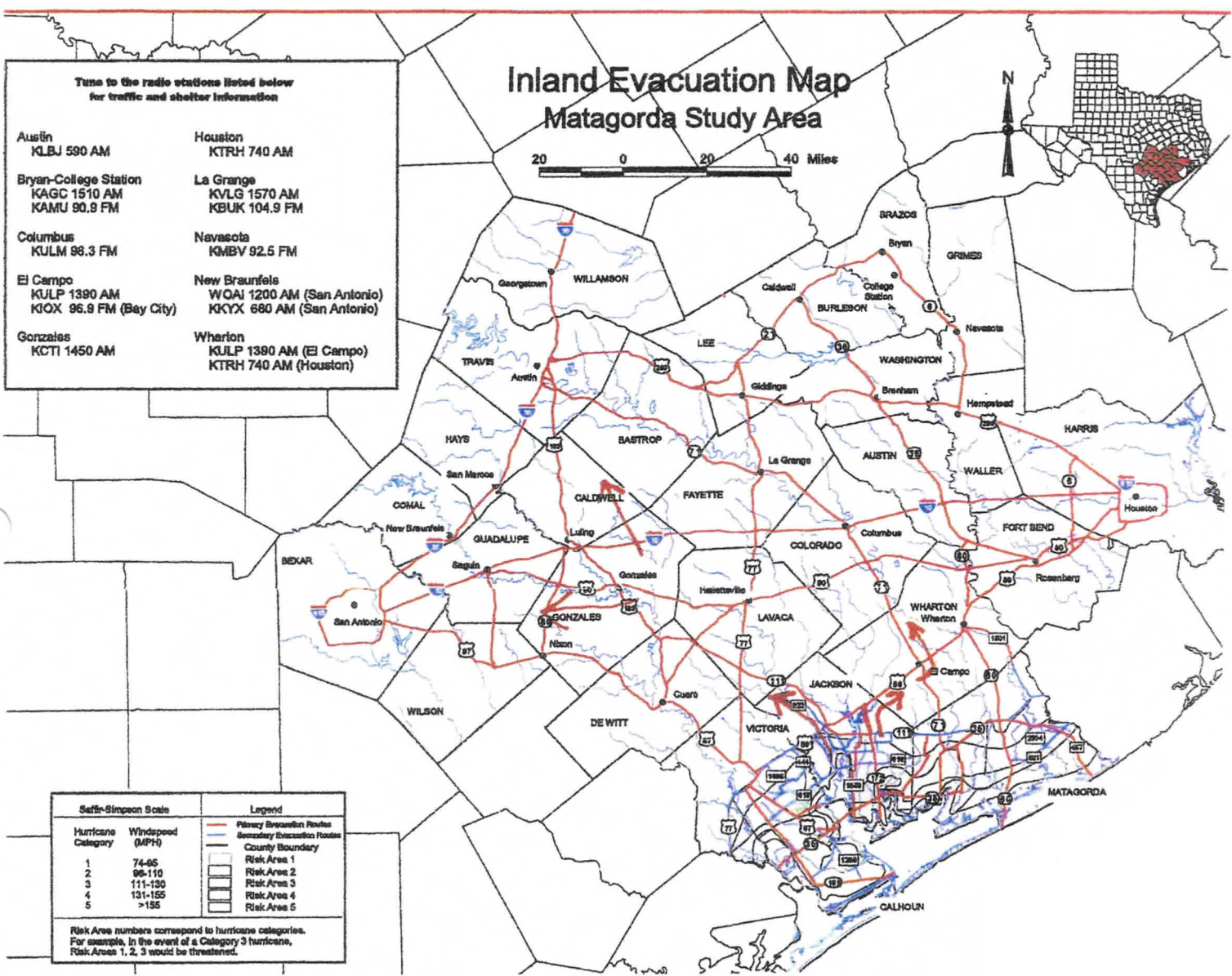
EVACUATION ROUTES WITHIN JACKSON COUNTY



LEGEND

-  LOCAL RESIDENTS
-  TRANSITING TRAFFIC
-  TRAFFIC CONTROL POINTS

Inland Evacuation Routes



**TRANSPORTATION REQUIREMENTS & RESOURCES
FOR HURRICANE EVACUATION**

Estimated Evacuees Requiring Transportation

Jurisdiction: JACKSON COUNTY	Cat 1 Storm	Cat 2 Storm	Cat 3 Storm	Cat 4 Storm	Cat 5 Storm
Estimated Evacuees	1125	1767	2634	3009	3119
Percentage of Households Without Vehicles = <u>7.1</u>					
Estimated Evacuees Requiring Transportation	87	132	194	220	228

This estimate of the number of evacuees who will require transportation assistance is arrived at by using 2000 US Census data for "Vehicles by Tenure" which provides information on the number of vehicles in households. The number of households with no vehicles is divided by the total number of homeowner and renter households to obtain the percentage of households without vehicles. This percentage has been multiplied by the estimated number of evacuees by each storm category to generate the estimated number of evacuees who will require transportation.

**Estimated Local Transportation Resources
For Hurricane Evacuation**

Transportation resource data has been abstracted from Annex M, Resource Management

Provider	Resource	Rated Capacity	Adjusted Capacity*
EISD, GISD, IISD	BUS WITH LIFT (4)	6-8 EACH	NO BAGGAGE
EISD	BUS WITH LIFT (1)	38	NO BAGGAGE
GISD	BUS (2)	48 EACH	36 EACH
GISD	BUS (7)	54 EACH	40 EACH
IISD	BUS (8)	65 EACH	49 EACH
EISD, IISD	BUS (20)	72 EACH	54 EACH
	BUS WITH LIFT		62
	STD. BUS		179
		TOTAL	241

* Adjusted Capacity. Due to lack of baggage storage on school buses, the rated capacity has been reduced by 25 percent to allow for evacuee baggage. To obtain adjusted capacity for hurricane evacuation, multiply the rated capacity by .75.

**RELOCATION AREAS FOR
EQUIPMENT, SUPPLIES, & PERSONNEL**

Agency Moving: EDNA PD,EMS, FIRE DEPT.
What to move: Patrol cars, Ambulances, Fire trucks
POC: Chiefs
Host: City of Yoakum
Host POC: Police 0r Fire Depts.
Agreement: Mutual aid

Agency Moving: Ganado PD, EMS, Fire Dept.
What to move: Patrol cars, Ambulances, Fire trucks
POC: Chiefs
Host: City of Hallettsville
Host POC: Police Chief or EMC
Agreement: Mutual aid Agreement

Agency Moving: Rural Fire Depts:
What to move: Fire trucks
POC: Chiefs
Host: City of Yoakum
Host POC: Police or fire Dept.
Agreement: Mutual aid