



**STATEWIDE  
REGIONAL  
EVACUATION  
STUDY PROGRAM**

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# Project Goals

- **Study and Update Regional Hurricane Evacuation in based on 2006 legislation (HB 1359 –SB 7121) FS163.3178, create consistency.**
- **Utilize New LIDAR data combined with SLOSH modeling.**
- **Utilize Consistent methodology and format to ensure complete transparency and visibility**
- **Expected completion in June 1, 2010**

# Description of Phase One

## 95% Complete

- **Phase 1 provides for:**
  - **Demographic and Land Use Analysis, Critical Facilities Inventory, Hazards Analysis, Behavioral Analysis, Shelter and Critical Facilities Analysis and Regional Evacuation Transportation Network Analyses, & GIS**
- **Will yield updated basis for plans and mitigation strategy.**

# Phase I

- **Demographic and Land Use** (Complete)
- **Critical Facilities Inventory** (95% complete)
- **Shelter Analysis** (95% complete)
- **Regional Evacuation Transportation Network Analyses** (Complete)
- **Definition of relevant terms** (90% complete)
- **Behavioral Analysis** (95% complete)

# INTERVIEWING EFFORT

- 180 interviewers worked on study
- 10 supervisors
- 2 data collection managers
- >21,500 hours of programming, training,
  - testing, interviewing, validating
- Most difficult regions:
  - North Central - small population
  - South - urban area

Response rate = 27.8%

| <b>Call Disposition</b>  | <b># of calls</b> |
|--------------------------|-------------------|
| Complete                 | 18,800            |
| Schedule Callback        | 4,201             |
| Refused                  | 46,753            |
| Terminated Early         | 1,998             |
| Government/Business      | 2,608             |
| Answering Machine        | 138,319           |
| Language barrier         | 2,077             |
| Over Quota               | 225               |
| Non-working/disconn      | 21,054            |
| Busy                     | 19,103            |
| No Answer                | 90,070            |
| Wrong number             | 286               |
| Fax machine/modem        | 3,430             |
| Out of town              | 260               |
| Call back later          | 23,234            |
| Non-qualified respondent | 1,959             |
| Already completed        | 427               |
| Left message             | 22                |
| Duplicate Number         | 134               |
| Push to Night            | 5,958             |
| <b>Total Calls</b>       | <b>380,918</b>    |



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# Description of Phase Two

## 25% Complete

- **LIDAR topographic data and new SLOSH models are underway for many regions**
- **Includes Vulnerability Analysis consisting of the delineation of the storm tide limits and evacuation zones, identification of population-at-risk and evacuation populations, storm surge analysis of critical facilities and the evacuation transportation analysis**
- **Will development impact methodology, and evacuation zones impacts assessment tools**
- **Products include printed documents and digital data, including GIS products**

# Challenges to Compliance

- Adopted level of service for out of county evacuation is maintained for a category five storm event;
- A 12 hour evacuation time to shelter is maintained for a category five storm event; or
- Appropriate mitigation is provided for to satisfy the above
- For local governments without an out of county evacuation standard, the clearance time shall be no greater than 16 hours for a category five storm event

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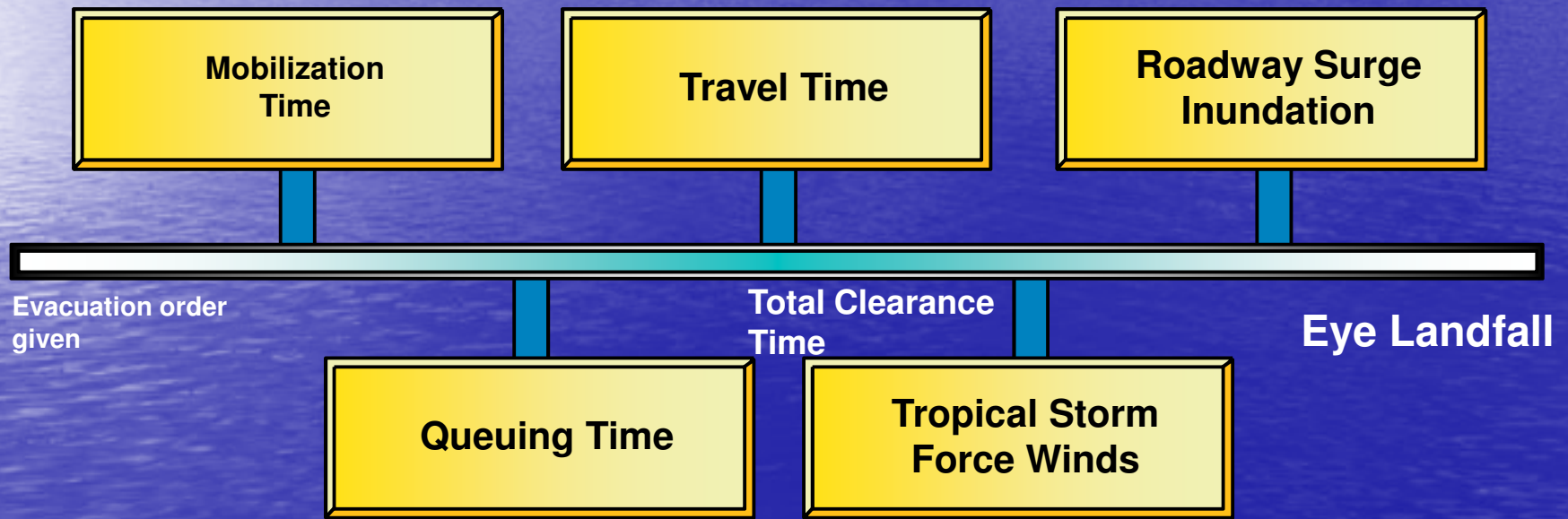
# We Needed Definitions

- 1) "out of county evacuation"
- 2) "evacuation time to shelter"
- 3) "the clearance time"
- 4) "Appropriate mitigation"
  - a) Impact assessment
  - b) Evacuation Route

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- 5) CHHA clarification

# How Will the Study Help

- Define clearance time
- Define evacuation time
- Define County evacuation
- Define time to shelter
- Recommend time to shelter calculations
- Define evacuation route
- Provide a recommended impact assessment methodology
- Provide baseline scenarios

A map of the state of Florida is shown, divided into several regions. The map is colored in shades of green and yellow. The text is overlaid on the map.

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Thank You