Secure Commonwealth Panel Report

October 8, 2008
Perry Cogburn
Manager, TEOC
Critical Decisions

State of Emergency Declaration timing

Evacuation

Mandatory Evacuation
I-64 Lane Reversal

Shelter In Place
Evacuation Decision

- Decision to order a Mandatory or Contra-flow evacuation is the Governor’s
  - Governor delegates authority to the local jurisdictions
  - Governor determines timing on the Mandatory and Contra-flow
Evacuation Planning

- CAT 3 - Planning Baseline
- ~1.6 M Hampton Roads Population
- ~900K impacted by CAT 3 surge
- ~500,000 people projected to evacuate the Hampton Roads area for CAT 3 threat
POPULATION IMPACT BY STORM CATEGORY (Due To Storm Surge)

- **CAT 1**: 175,866
- **CAT 1 + 2**: 451,109
- **CAT 1 + 2 + 3**: 886,162
- **CAT 1 + 2 + 3 + 4**: 1,184,170
- **NON SURGE**: 380,739
- **TOTAL HR POPULATION**: 1,564,903
Evacuation Routes

All Eastern Shore residents should use Route 13 Northbound toward Salisbury, MD.

Northbound lanes of Monitor Merrimac Bridge-Tunnel will close at Exit 8 (College Drive).

Chesapeake Bay Bridge-Tunnel is NOT a designated Hurricane Evacuation Route.
# Hurricane Evacuation Timeline

## EVACUATION ACTION TIMELINE*

<table>
<thead>
<tr>
<th>HOURS</th>
<th>VECTOR ACTIVATED</th>
<th>GOVERNOR'S EMERGENCY DECLARATION</th>
<th>GOVERNOR'S EVACUATION BRIEFING</th>
<th>GOVERNOR'S CONSULTATION OF MANDATORY EVACUATION WITH LOCAL OFFICIALS</th>
<th>GOVERNOR'S LANE REVERSAL DECISION POINT</th>
<th>LANE REVERSAL IMPLEMENTED</th>
<th>INITIATE TERMINATION OF EVACUATION &amp; LANE REVERSAL</th>
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</thead>
<tbody>
<tr>
<td>-144</td>
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<td>PREPOSITIONING OF STATE RESOURCES (VSP, VDOT, VANG &amp; OEMS)</td>
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<td>MANDATORY EVACUATION IMPLEMENTED</td>
<td>LANE REVERSAL IMPLEMENTED</td>
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<td></td>
<td></td>
<td></td>
<td>@24 HOURS OF LANE REVERSAL</td>
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<td>@125 MI.</td>
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<td>@75 MI.</td>
<td>@50 MI.</td>
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**GRAY BAR INDICATES FLOATING TIMELINE TRIGGER POINTS FOR VARIOUS HURRICANE THREATS.**
Hurricane Evacuation Timeline

- **120 hrs** Governor’s Emergency Declaration
- **48 hrs** Advise of Impending Evacuation Order (for Category 3)
- **38 hrs** Implement Mandatory Evacuation
- **30 hrs** Implement Lane Reversal (I-64 Corridor)
- **6 hrs** Terminate Lane Reversal
- **0 hrs** Tropical Storm Winds Arrive
## Evacuation Clearance Times

### 2008 STUDY

<table>
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<tr>
<th></th>
<th>I-64</th>
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<th>Bowers</th>
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<th>Time</th>
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<td></td>
<td>w/Lane Rev</td>
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<td>Hill Area</td>
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Above values w/o traffic incidents
I-295/I-64 interchange

ALL REVERSED LAKES IN EASTBOUND LANES WILL BE DIRECTED THROUGH THE CROSSEVER ZONE TO THE MAIN LINE WESTBOUND AND CONTINUE ON I-64 WEST.

ALL TRAFFIC MUST EXIT AND USE I-295 NORTH OR SOUTH
Bower’s Hill Choke Point - Proposed Lane Reversal

- Conceptual Plan Completed
- Estimated Cost of $7 million
- Details to be Worked Out
  - Funding Source
  - Contract Mechanism
  - Time Line
  - Resources
Tools in the Toolbox

- Coordination of bulk fuel distribution along evacuation route
- Use of VDOT Safety Service Patrol along I-64
- Emergency water/comfort/fuel stations at four designated areas along I-64
- Portable traffic monitoring systems for evacuation routes not covered by camera system
Accomplishments for 2008

- Lane Reversal Exercise in May
- Revising the Hurricane Traffic Control Plan based on the new Hurricane Transportation Study
- Developing a stand alone Lane Reversal Plan
- Developed an Interstate Modification Report for Exit 234
- Developed Conceptual Plans for US 58 Reversal