

Table 1. Traffic Related Responses of Emergency Management Offices for Hurricane Frances

HURRICANE FRANCES																		
County	Evacuation Decision	Indicated Time of Order or Possible Evacuation Start Time	Estimated Number of Vehicles Evacuating	Estimated Percent Compliance With Evac Orders	Estimated Arrival Tropical Storm Winds	Public Response	Tourist Occupancy	Clearance Time Sufficient	Heavy Traffic	Congestion	Traffic Jams	Gidlock	Tolls	Fuel Availability	Inadequate Signage	Uncoordinated Traffic Signals.	Diversions from Other Co.	Construction
East Coast Coastal Counties (in geographic order south to north)																		
Miami-Dade	Cat 1	9/04-6 PM	NS	NS	9/3 – 9 PM	N	N	✓					●					
Broward	Cat 5	NS	NS	60%	9/4 – 6 AM	S	NS	✓					●					●
Palm Beach	Cat 5	9/02-2 PM	95,000	NS	9/3 – 10 PM	N	L	✗	●	●	●	●		●				●
Martin	Cat 5	9/04-8 AM	37,000 ^b	NS	9/3 – 10 PM	N	L	✓		●	●							
St. Lucie	Cat 3/ All	NS	NS	75%	9/3 – 11 PM	N	L	✓	●						●	●		
Indian River	Cat 1	NS	NS	90%	9/4 – 3 AM	N	N	✓ ^a		●	●						●	●
Brevard	Cat 5	NS	NS	65%	9/4 – 6 AM	N	NS	✓	●	●	●			●				
Volusia	Cat 3	9/03-8 AM	58,000	80%	9/4 – 3 PM	F	N	✓	●	●		●		●	●			●
Nassau	Cat 1	9/04-8 AM	NS	NS	9/5 – 2 PM	NS	H	✓	c	c	c	c	c	c	c	c	c	c
West Coast Coastal Counties (in geographic order south to north)																		
Manatee	Cat 1	9/04-9 AM	NS	NS	9/4 – 9 PM	N	N	✓						●				●
Hillsborough	MH	9/04-6 PM	NS	NS	9/4 – 11 PM	NS	L	NS	c	c	c	c	c	c	c	c	c	c
Pinellas	MH, FPA	9/04-6 PM	15,000	NS	9/5 – 6 AM	S	N	NA	c	c	c	c	c	c	c	c	c	c
Pasco	MH, LLA	9/04-8 AM	7,560	NS	9/5 – 2 AM	S	L	✓						●				
Citrus	Cat 1	9/04-12 PM	NS	NS	9/5 – 6 AM	NS	H	✓	●	●	●							
Inland Counties (listed alphabetically)																		
Alachua	MH, FPA	NS	843	10%	9/5 – 9 AM	S	H	✓	●									●
Bradford	MH, FPA	NS	800	10%	9/5 – 11 AM	F	H	NS	●					●				
Columbia	MH, FPA	NS	NS	NS	9/5 – 1 PM	NS	NS	NS	c	c	c	c	c	c	c	c	c	c
DeSoto	MH, LLA	9/04-11 PM	NS	80%	9/4 – 2 PM	F	L	NA						●		●		
Glades	Whole Co.	NS	NS	50%	9/4 – 8 AM	NS	L	NA	●	●	●			●			●	
Hendry	MH, LLA	NS	NS	10%	9/4 – 8 AM	N	L	NA	●					●	●			
Highlands	MH, LLA	9/02	NS	30%	9/4 – 9 AM	N	L	NA	●					●				
Lafayette	MH	NS	500	50%	9/5 – 3 PM	N	N	✓	●						●			

HURRICANE FRANCES

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Madison	Whole Co.	9/05-8 AM	80	15%	9/5 – 8 PM	N	H	NA	c	c	c	c	c	c	c	c	c	c
Marion	MH	9/03-12 PM	12,000	NS	9/5 – 12 AM	NS	L	NA						●	●			
Orange	MH, LLA	NS	NS	25%	9/4 – 11 AM	S	H	NS		●	●		●	●	●			
Osceola	MH, LLA	NS	NS	10%	9/4 – 8 AM	N	H	NS		●				●	●			●
Polk	MH, LLA	NS	NS	10%	9/4 – 11 AM	S	L	NA	●	●				●	●		●	●
Seminole	MH, LLA	NS	NS	25%	9/4 – 3 PM	N	N	NA		●	●		●	●	●			

- Blue fill in Evacuation Decision box = mandatory order
- Yellow fill in Evacuation Decision box = voluntary order
- Green fill in Evacuation Decision box = recommended order
- No fill in Evacuation Decision box = type not specified
- Cat 1,2,3,4,5 in Evacuation Decision box = highest category of surge evacuation zone. Unless otherwise specified any level of surge area evacuations include mobile homes, flood prone or low lying areas.
- MH in Evacuation Decision box = mobile home orders
- FPA in Evacuation Decision box = Flood prone areas
- LLA in Evacuation Decision box = Low lying areas

S= Slow Public Response
 N = Normal Public Response
 F = Fast Public Response
 L= Low Tourist Occupancy
 N = Normal Tourist Occupancy
 H = High Tourist Occupancy

✓ = Clearance Times judged sufficient by county

✗ = Clearance Times judged insufficient by county

NA = Not Applicable (Not studied under the US Army Corps of Engineers HES Program)

NS = Data not specified by County

a Used locally derived clearance time of 8 hours.

b Based on 85,000 people evacuating figure divided by 2.3 people per vehicle

c No specific evacuation problems indicated by county

Table 2. HURRICANE FRANCES LOCAL EMERGENCY MANAGEMENT EVACUATION ROUTE DATA				
Responding County	Recommended Primary And Secondary Evacuation Routes	Descriptions of Traffic Conditions from Local Officials		
		Roads with Heavy Traffic	Roads with Congestion	Roads at Gridlock
East Coast Coastal Counties (in geographic order south to north)				
Broward	<ul style="list-style-type: none"> • I-95 • Florida Turnpike • All east west routes 			
Palm Beach	<ul style="list-style-type: none"> • I-95 • US 27 • Florida Turnpike • SR 710 • SR 80 	<ul style="list-style-type: none"> • US 27 • SR 80 	<ul style="list-style-type: none"> • Florida Turnpike 	<ul style="list-style-type: none"> • Florida Turnpike at Yeehaw Junction
Martin	<ul style="list-style-type: none"> • I-95 • US 1 • US 98 / 441 • SR 76 • SR 710 • SR 714 • SR 726 		<ul style="list-style-type: none"> • No specific roads identified 	
St. Lucie	<ul style="list-style-type: none"> • I-95 • US 1 • Florida Turnpike • SR 70 • Midway Road 	<ul style="list-style-type: none"> • US 1 • Florida Turnpike 		
Indian River	<ul style="list-style-type: none"> • I-95 • SR 60 • Florida Turnpike 		<ul style="list-style-type: none"> • No specific roads identified 	
Brevard	<ul style="list-style-type: none"> • SR 407 • SR 518 • SR 528 • US 192 • Plus seven routes off islands 			

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East Coast Coastal Counties Continued (in geographic order south to north)				
Volusia	<ul style="list-style-type: none"> • I-4 • I-95 • US 92 • SR A1A • SR 40 • SR 44 • SR 414 ^a 		<ul style="list-style-type: none"> • SR 40 (in Lake and Marion Co. where roadway goes from 4 to 2 lanes) 	<ul style="list-style-type: none"> • General description of roadway network, specific roads not identified
Nassau	<ul style="list-style-type: none"> • I-95 • US 17 • US 301 • SR 200 			
West Coast Coastal Counties (in geographic order south to north)				
Manatee	<ul style="list-style-type: none"> • I-75 • I-275 • US 41 • US 301 • SR 64 • SR 70 			
Pinellas	<ul style="list-style-type: none"> • I-275 • US 19 • SR 60 • SR 688 			
Pasco	<ul style="list-style-type: none"> • I-75 • US 19 • US 41 • US 301 • <i>Suncoast Expressway</i> ^b • SR 52 • SR 54 	<ul style="list-style-type: none"> • Normal on all routes 	<ul style="list-style-type: none"> • Normal on all routes 	<ul style="list-style-type: none"> • Normal on all routes
Citrus	<ul style="list-style-type: none"> • SR 44 E of Crystal River • CR 490 • Grover Cleveland Blvd • US 41 			

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Inland Counties (listed alphabetically)				
Alachua	<ul style="list-style-type: none"> • I-75 • US 301 • US 441 			
Bradford	<ul style="list-style-type: none"> • US 301 North • SR 100 East • SR 100 West • SR 16 East • SR 16 West 			
Columbia	<ul style="list-style-type: none"> • I-10 • I-75 • US 41 • US 90 • US 441 			
DeSoto	<ul style="list-style-type: none"> • US 17 • SR 70 • SR 72 			
Glades	<ul style="list-style-type: none"> • US 27 • SR 29 • SR 78 	<ul style="list-style-type: none"> • US 27 • SR 78 		
Hendry	<ul style="list-style-type: none"> • US 27 • SR 29 • SR 78 • SR 80 			
Highlands	<ul style="list-style-type: none"> • US 27 • US 98 • SR 64 • SR 66 • SR 70 	<ul style="list-style-type: none"> • US 27 		
Madison	<ul style="list-style-type: none"> • I-10 • US 90 			

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Inland Counties Continued (listed alphabetically)				
Marion	<ul style="list-style-type: none"> • I-75 • US 27 • US 41 • US 301 • US 441 			
Orange	<ul style="list-style-type: none"> • I-4 • SR 46 • SR 50 • SR 520 • SR 528 			
Osceola	<ul style="list-style-type: none"> • I-4 • US 192 • US 441 • Florida Turnpike • SR 60 		<ul style="list-style-type: none"> • One or more roads (not specified) 	
Polk	<ul style="list-style-type: none"> • I-4 • US 17-19 • US 27 • SR 60 		<ul style="list-style-type: none"> • I-4 (during some periods) • US 27 (during some periods) • SR 60 (during some periods) 	
Seminole	<ul style="list-style-type: none"> • I-4 • US 17-92 • SR 46 • SR 434 • SR 436 			

Red Bold Letters = ETIS route and TTMS counter in or near county boundaries
 Blue Bold Letter = Route modeled in ETIS only, no TTMS counter in or near boundaries
 Green Bold Letters = TTMS counter only in or near county boundaries, but not modeled in ETIS
 Black Lettering, No Bold Letters = route with no TTMS counter and not modeled in ETIS
 Letters in italics indicate routes recommended by emergency management not modeled in most recent transportation analysis

^a SR 414 is located in Seminole County, not in Volusia County
^b Road not yet constructed when last HES Analysis was prepared