



Hurricane Irma

Palm Beach Metropolitan Planning Organization

Sept 21, 2017

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Hurricane Irma

- PBC declared state of emergency on 6 Sept, midnight
- Emergency Operation Center - Level 2 operation on 7 Sept at 0700
- EOC Level 1 operation on 8 Sept at 0700
- Curfew put in place 9/9/17
- Hurricane Irma struck 9/10/17
- Evacuation lifted and curfew modified 9/11/17
- Curfew lifted 9/13/17





Hurricane Irma Watch (3-5 days)



Photo: screenshot of www.nhc.noaa.gov – Irma warning Cone



Hurricane Watch (3-5 days)

Road & Bridge

- Stage equipment throughout the county for post hurricane cleaning
- Secure and lockdown Sand Transfer (dredging) Stations at North and South County Inlets
- Assist in moving cots to shelters in preparation for hurricane



Traffic Operations

- Take down 343 Signal heads (have inventory and reduce windload)
- Take down 22 Blankout Signs
- Prepare stop signs
- Secure Warehouse
- Secure Yard
- Secured vehicles in Vista garage
- Stage bucket trucks (based on wind direction)





Hurricane Warning (12-24 hours in advance/Wind speed 40mph)

- Road & Bridge: Coordinate with Coast Guard to lock all bridges down
- Traffic Ops: Take bascule/drawbridge gates/signs and signal heads down
- All equipment ready to go (fueled up and charged)
- Employees informed to report to work as soon as it is safe to come back to work



During Hurricane (Wind speed >40MPH)

- All equipment ready to go (fueled up and charged)
- Employees informed to report to work as soon as it is safe to come back to work
- Staff stay at Road and Bridge and Traffic Operations Buildings to check on buildings and be deploy as soon as hurricane passes



Post Hurricane

- Fallen trees, blocked roads and down power lines
- 40% of the 3,500 lane miles PBC maintains had some level of road blockage
- 600 out of the 1200 signals without power





Post Hurricane

Road & Bridge:

- 120 + staff reported back to work
- Clear Thoroughfare and secondary roads for emergency vehicle
- Clear large debris from side of roads
- Partner with FPL to clear any open lines
- Haul debris throughout County to all SWA sites
- Inspect and clear ditches
- Monitor control structure water levels
- Check bridges, reset gates, signs, and signals
- Check dredging stations

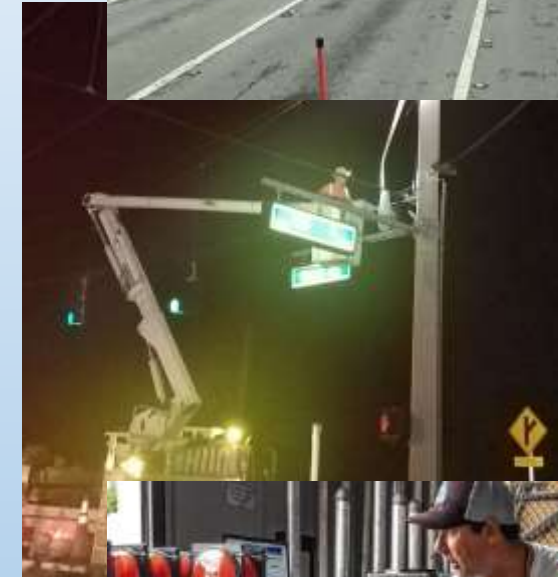




Post Hurricane

Traffic Ops:

- 60+ staff reported back to work
- Clear roads and secure devices (major roads 1st)
- Damage assessment
- Install STOP signs at intersections w/o power
- Band-Aid phase: Restore signals with the minimum signal heads (2 for primary movement)
- Restore signals as power comes back
- Work with PB Sheriff's Office to use 15 Generators at major roads without power
- Within 5 days, 80% of traffic signals were restored and operational





Questions?

