



South Carolina Department of Transportation

## 2015 Major Flood Report Statewide Operations

(8:00 AM- REPORT)

October 11, 2015

### Statewide Summary – Interstate I-95:

The Contractor has made good progress towards the repair of the substructures of 13 Interstate I-95 bridges crossing the Pocotaligo and Black Rivers, and the Tearcoat Branch. This very high priority project could be completed in a matter of days – Underwater Inspections are being performed by divers.

**Interstate 95 is closed from I-26 to I-20 in both directions and is detoured. I-95 will be opened when repairs to these 13 bridges are complete.**

More roads are being opened to traffic, as the number of closed roads is significantly lower than yesterday, however extreme caution is required if traveling (and especially at night.) **Never ever drive around a barricade.**

Districts 2, 3 and 4 (upstate districts) are continuing to assist other central and lower districts more impacted by the flood.

SCDOT (construction group) and FHWA damage assessment teams continue to work and will assess all areas as the water recedes. Plans for expediting repair or replacements are ongoing and SCDOT will be coordinating all mitigation activities with FEMA.

SCDOT debris removal contractors have been activated for removal of construction and demolition debris in the 11 FEMA disaster declared counties and will start work no later than early next week. ( More counties could be added by FEMA to the declared list.)

The SCDOT Construction Group will manage the reconstruction and mitigation process.

All county offices continue working to identify, barricade and attempt to mitigate any roadway flooding problems. SCDOT staff is monitoring and updating flooded roads and bridges.

Crews across the state are continuing to check warning signs on roads and monitoring bridge conditions and drainage structures.

The public is reminded **flooding will continue** in the lower coastal plain and even increase as high flows continue from the central midlands rivers.

**Earthen dams are still stressed and it is possible that more dams could breach/rupture.**

**Drive with extreme caution and only if absolutely necessary! There are many road sections covered with flood waters and the coastal plain areas will experience varying degrees of inundation by flood water draining from the central and upstate regions. More flooding can be expected to affect some roads. If the road is covered with water, “turn around, don’t drown”.**

**190 Employees are deployed to hardest hit areas.**

2045	Maintenance Employees Actively Working 12 hour shifts
1024	Equipment Units Actively Working
335	Roads Closed Due to Weather Event (See attached list and map) This number includes <b>105 bridge closures</b>

**There were 345 road and bridge closures yesterday.**

Note that the number of roads/bridges closed is lower as some have been cleared for traffic as water recedes and roads are cleared for use.

**District/ County operations are working 12 hour daylight shifts on assessment, recovery and safety operations.**

**District One Summary --12 Closed Roads Opened**

**Pending High Priority roads in Richland**

**Tentative List - These are not prioritized.**

- SC 48 WEST BOUND - (Bluff Road) – Sunday – hope to open by Tuesday
- US 215 (Monticello) – Monday – 4 crews
- US 601
- Killian Road
- Blue Johnson
- Garners Ferry @ Gills Creek
- US 321

- **US 21 (N. Main at Fire Station)**

Construction Projects

We are currently working with Sloan and CRJ on change orders to repair flood damage on the 5 roadways below in District One.

- 5185400 (Federal Aid Rehab/Reconstruction) – Sloan – S-40-86 (Harmon Rd.)
  - 4086300 (Federal Aid Safety Improvements) – Sloan – S-40-222 (Old Hopkins Rd.)
  - 4086300 (Federal Aid Safety Improvements) – Sloan – S-40-223 (Airbase Rd.)
  - 40.041335 (Intersection Improvement) – CRJ – S-40-1041 (Rimer Pond Rd.)
- 5185390 (Federal Aid Rehab/Reconstruction) – CRJ – SC-12 (Fort Jackson Rd.) in Kershaw

By the numbers:

Closed Roads on 10/5 300+

Closed Roads on 10/6 209

Closed Roads on 10/10 188

District total closures went down by 21, HOWEVER, Richland and Lexington closures increased by 24 since Tuesday 10/6.

### **District 2 Summary**

#### **Summary of D2 Activities – Saturday, October 10, 2015**

- **D2 has deployed 11 crews to assist D1 and organized 8 more crews that are on standby to be deployed to assist where directed.**
  
- **D2 Counties reporting only 11 road/bridge closures at this point, down from an original total of 50 closures at one point.**
- **Of 11 remaining closures about half will be long term.**
  - Priority of remaining closures that we are working with the DOC to repair by contract are;
    1. US 176 Bridge Replacement, Newberry County, Cannons Creek Bridge
    2. US 176 washout at mile point 9.6, Newberry County approximately 1 mile southeast of S-36-81 Old Whitmire Highway
    3. SC 34 Bridge at Hellers Creek, Newberry County, Bridge Replacement preferred, damage done by storm was to temp bracing. Contractor work would also be appreciated if only to temp bracing. This is a real tinker toy looking sub-structure.
    4. S-41-25 washout of approach fill at Clouds Creek, Saluda County Spann Road. Thorough bridge sub-structure review not done yet due to water level, but bridge appears to be intact.
    5. S-36-170 Bridge Replacement, Newberry County, Hope Station Road at Crims Creek
    6. S-41-449 Bridge Replacement, Saluda County Samuel Padgett Road at Clouds Creek directly adjacent to Asbill Pond, wooden deck bridge on an earth road
  - Priority of closures that we are working on with in-house crews are:
    - Laurens
      - SC 560 wash out in Cross Hill – in progress, expect to be complete by mid-week. (Repairs were ceased today due to rain)

- Newberry
  - Belfast Road - bridge pile repairs in Newberry
  - New Hope Road – major wash out under end bent of bridge in Newberry
  - Jolly Street Road – road wash out
- Saluda
  - Abney Nursery Road wash out – repair in progress (Repairs ceased due to rain Saturday)
  - Clear Lake Road – earth road repairs

**District 3 Summary- Deployed Crews to more affected districts**

**District 4 Summary – 70 Crews deployed to more affected districts**

Closure updates

- S-20-362 was opened earlier this week but there is a CO coming for the contractor to repave the bridge approaches. The DOC is aware this change order is coming. This road was actively under a construction contract.
- S-20-101 (bridge) remains closed. The Damage Assessment Team visited the site earlier this week and we are currently working with the DOC on getting a contractor to replace the bridge.
- S-20-294 (bridge) was closed mid-week after the water receded due to erosion of the embankment around the end bent piles. District Maintenance forces are scheduled to mobilize Monday, 10/12/15 to replace the lost material, armor with rip-rap, and open the bridge to traffic. This bridge should be open this coming week.
- The bridge on the Chesterfield/Lancaster County line will be a permanent closure but the public isn't aware yet. The road numbers are S-13-67 and S-29-37.

**District 5 Summary - I-95 South detour remains in effect beginning at I-20(Exit 160 on I-95). The detour was adjusted to accommodate 2 lanes on the I-95 southbound ramp to I-20 west.**

Florence

All primary routes are open to traffic except sections of SC 51.

Repair crews are working from 0700-1900. On-call crew works overnight and responds to calls as needed.

Dunbar and Outland communities are isolated due to flooding. No mandatory evacuations have been issued in these areas; however, the National Guard is providing transportation to residents who wish to leave.

Many roads are still flooded. Flood waters continue to rise in many areas and additional road closures are being implemented.

All sections of US 52, SC 377, SC 261, and SC 375 have been opened to traffic.

Many secondary roads are still flooded.

Three crews from Dillon Maintenance and one District Bridge Crew have been relocated to Williamsburg to assist with recovery efforts.

District Maintenance staff is assisting RME with coordination of efforts this weekend. RME from Dillon will be relocated to Williamsburg beginning Monday to assist with recovery.

**District 6 No communities or neighborhoods are isolated, all current detours are not considered burdensome, 30 miles or less.**

Berkeley County

Dist 3 Crew working on Compton Drive (S-196) wash out installing pipe  
District 6 Specialized Bridge Crew with Dist Const Eng working on Highway 41 Bridge washout resetting approach slab

Charleston County

Contractor completed work on Bohicket Road (S-20) installed pipe minor shoulder work/paving to complete Road is Open

Colleton County

Waiting on waters to recede for assessment on listed closed roads, assessing open roads for damage and repairing as necessary

Dorchester County

Dorchester Road (SC-642) planning phase begun for repairs with contractor  
Waiting on waters to recede for assessment on listed closed roads, assessing open roads for damage and repairing as necessary

ITMS input is up to date.

**District 7 Summary-** D7 has no areas in which the sole access has been cut off or have burdensome detours

Aiken has completed all in house repair work and will be sending crews to Richland County  
Allendale is sending crews to Sumter County  
Bamberg sent crews to Holly Hill  
Barnwell and Hampton have crews on stand-by  
Calhoun, with crews from Orbg, opened some secondaries, backfilled on US 601 and laid pipe on SC 267  
Clarendon, with assistance from Orbg, opened portions of roadway as completed. Emergency repairs started today on I-95, through the DoC. Inspectors currently in route. The upper end of I-95 closure was relocated to US 378 (Exit 135) due to problems with 527 in Sumter Co.  
Orbg has completed all in house work and several crews are working throughout the district.  
The bridges on US 301 at the Edisto River were inspected and roadway opened. This allowed us to also open SC 33.  
Holly Hill still has standing water on roads (including SC 6). They have crews from Orbg assisting and expect to have all in house work completed within a week.

Aiken has 4 crews (26 employees) deploying to Richland County on 10-11-15 and 2 employees on loan to Calhoun.

Allendale has 3 crews (18 employees) deploying to Sumter County on 10-11-15

Bamberg sent 16 employees to Holly Hill

Barnwell and Hampton are on stand-by with crews available to deploy.

Calhoun is working half-staffed (college football fans off today and pro fans off tomorrow). They were backfilling pipe on US 601 and laying pipe on SC 267 until rain cut off their supply of (relatively) dry material.

Clarendon relocated the northern termini of the I-95 detour (to Exit 135) to accommodate roadway problems on US 527 in Sumter County. DoC has a contractor making repairs on the I-95 bridges. We adjusted the detour signing for US 301 north of Manning and secured long-term closures. Rd S-14-56 was repaired and reopened. We fixed washed out cross line and repaired washes on S-14-50 near US 301 and work on washes on US 301 between US 521 and S-14-50. We made temporary repairs on S-14-797 to keep it opened to EMS substation.

Orangeburg Maintenance sent 20 employees to assist Clarendon.

Holly Hill relaid pipe on SC 45, S-38-1391 and S-38-743.

All bridge inspections have been completed.

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### **SCDOT Headquarters**

Engineering continues to report conditions and will continue recovery operations.

The Call Center is operational. (855-GO SCDOT) 855-467-2368