

Medical University of South Carolina (MUSC)



In response to the COVID-19 outbreak, the Medical University of South Carolina (MUSC) asked BELFOR Charleston for urgent help. To reduce stress to their patients and keep a large influx of potentially infected people from entering their main hospital and Ambulatory Care facilities, MUSC needed a mobile COVID-19 testing site erected immediately. Collaborative discussions between MUSC and BELFOR produced an initial design.

In less than 48 hours, BELFOR transformed a 3-acre parking lot in West Ashley, SC, into a large capacity, drive-through testing site. The site serves Charleston and surrounding areas – approximately 325 cars a day, six days a week.

The site comprises:

- 2,750 linear square feet of fencing, 2,500 feet of electric cable.
- Traffic pattern designed with roadways barriers, cones, signage, emergency lanes and gates.
- Black zone restricted area where only hospital personnel, patients and BELFOR staff are allowed.
- Six stations with tables, chairs, tent and a refrigerator/freezer unit for test kits.

- Large freezer unit where completed tests are transferred from smaller units for daily pickup.
- 10 hand wash stations.
- 3-stall shower trailer for decontamination.
- Portable offices for nursing staff.
- Bathroom trailer and four light towers.

BELFOR also brought one of their Mobile Command Centers to the site. The Command Center has a conference room, high-definition screens, 32 computer workstations, satellite communications, and more.

On a daily basis:

- A large freezer containing completed tests is picked up and taken to the lab.
- Daily hospital staff meetings take place in the BELFOR Command Center.
- A small BELFOR team stays on-site for any needed maintenance.

During the first seven days of operation, the design was reviewed by the hospital team daily and tweaked by BELFOR for maximum efficiency.

24/7 Emergency Number

800-856-3333

Corporate Headquarters:

185 Oakland Ave., Suite 150

Birmingham, MI 48009-3433

Toll Free: 888.421.4111

Direct : 248.594.1144 Fax : 248.594.1133

www.belfor.com

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