



- 5 "Stations" of Testing Facility**
- 1. Greeting Station:** confirming patients have appropriate testing approvals
 - 2. Fever check** using no touch thermometer
 - 3. Appointment check-in/paperwork**
 - 4. Testing station &** refrigerated storage of collected samples
 - 5. Medical staff area:** Tester changes equipment and washes hands

Typical closed campus complex with large surface parking facility

Command center and support resources
(supplies, staff portable, restrooms, staff parking, etc.)

Main Road 2

Main Road 1

CDC required "escape" exit lanes allowing vehicles without an appointment to exit

Provide signage identifying the entrance to the testing facility

Passing lane to be minimum 10'

10' minimum turn radii

All drive aisles to be minimum 11'

Allow 25' length per vehicle

Approximate service time calculations (assumes 5 min. per vehicle, 21 stations)

- Concept capacity = 21 vehicles x 12 vehicles/hour = 252 vehicles per hour that could be tested.
- Assume 25 feet per vehicle
- Concept includes ±4,200 feet of total queuing (2 lanes @ ±2,100 feet each) from entry point at street to testing station.
- This allows for 168 vehicles that can queue (4,200 feet/ 25 feet)
- Once filled, **the last vehicle in the queue would have a ~40 minute wait time**

Recommendations for selecting and setting up a mobile testing facility

- Locate access off of a road with multiple lanes in each direction in case queuing backs up onto the road
- Focus on locations with a large unused parking lot (such as stadiums, campuses, etc. that are not currently in use)
- If parking lot is still in use, parking area should be clearly divided between users and test traffic
- Have different entrances dedicated for ingress and egress
- CDC requires "escape" lanes which allow vehicles who arrive without an appointment to exit the facility
- Consider existing curbed islands and how it may assist with, or interfere with, desired vehicle routes
- While multiple testing stations may be desirable, fewer drive-lanes feeding these multiple stations is also desirable
- Replicate how most airport security areas utilize a single, longer, snaking line which feed multiple x-ray machines

LEGEND

- Traffic officers
- Direction of travel
- Exiting traffic
- Traffic control device
- Testing spots
- Check in station
- Medical support area/testing personnel

Mobile Drive-Thru Testing Conceptual Plan

These conceptual recommendations are provided for informational use only. Local qualified government officials or professionals must determine actual design and operational requirements. Kimley-Horn has no liability related to the use of these documents.

If you are a government agency and/or property owner and need assistance with a more customized analysis or recommendations, please contact your local Kimley-Horn professional, Aaron Nathan (aaron.nathan@kimley-horn.com) or Joe Kaltsas (joe.kaltsas@kimley-horn.com) for more information.

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