

Burlington, VT

Amtrak Design Criteria for Proposed Layover Facility

In preparation for extended service of the Ethan Allen line from Rutland to Burlington with two intermittent stops at Vergennes and Middlebury, Amtrak operations requests a designated layover siding, separated from passenger boarding platforms, for train turnovers with the following recommended components:

Lighting:

Brightness Level: 2fc to 5 fc when inactive / 20 fc when active

Type: LED with step dimming control by motion sensors highly recommended

Electrical Power:

Air Compressor: 480V, 3 phase service (30 amp breaker)

Train Disconnect Panel: 480V, 3 phase service (800 amp breaker)

Location: Near rear of engine

Water Service:

Service Station: One (1) Snyder service station for every two (2) coaches.

Assume six (6) coaches for Ethan Allen line for three (3) stations.

Location: 112' from the front of the engine / 170' intervals thereafter.

Sanitary: Provide sanitary sewer dump station for 'honey dipper' truck usage.

Water Supply Lines: Provide 2" water lines to each service station.

Power: 120 VAC, 40 amp service to each water service station.

General: Provide tap, meter, and backflow preventer per codes.

Air:

Compressor: Saylor Beall Air Compressor (model 735-80, Series 5-96-R04) with 80 gallon tank and 5hp motor.

Locate in 10'x10' shed.

Provide 480v, 3 phase service with disconnect switch.

Platform:

Height: Low level 8" ATR – assume access by on-board stairways

Length: 600' - Based on existing Ethan Allen Amfleet coaches.

Covering: 75' long roof shed for Locomotive. See Amtrak SDP for specific design criteria.

Access, ROW, Storage:

Storage: Provide enclosed, lockable storage for cleaners and equipment.

Exact sizes and quantities TBD, estimated two or three 10'x10'sheds.

Yard: Parking for one (1) Honey Dipper truck, three (3) to five (5) service vans.

Access Driveway: 12' wide access road along track.

Crew Base / Staff Facilities:

Not needed at this location. Crew procedure is taxi to off-site accommodations.