

How to Switch the freight house:

There are four tracks configured like this:

Outbound wing of freight house

- Track 1 (Outbound)
- Track 2 (Inbound)

Platform

- Track 3 (Outbound)
- Track 4 (Inbound)

Inbound wing of freight house

Each track has (at least) 40' 8 spots, so there are 16 inbound and 16 outbound spots

Spotting and pulling at the freight house operates on a schedule (to match the departure time of other trains). Operator will need to keep a running status for each car spot at the freight house with car ID, route for car when pulled, time spotted, time to be pulled and car status (in principle loaded, loading, unloading, empty).

Cars take from 1 1/2 to 7-8 hours to load or unload, resulting in fast turnout times (it is not a given that the inbound cars will be full or that each outbound cars needs to be loaded to the gills - it is **less-than-carload** traffic).

Underlined heading indicate Switching operations (✓ symbol), others are "status" (× symbol) of tracks.

Set-up:

- x Track 3, spots 1-4: cars loading – (pulled at Run 3)
- x Track 4 ,spots 1-4: cars unloading – (pulled at Run 2)

SWITCH run 1**Spot outbounds (empties):**

- ✓ Track 1, spots 1-8: spot empties (pulled at Run 2)
- ✓ Track 3, spots 5-8: spot empties (pulled at Run 2)

Status after switch run 1:

- x Track 1, spots 1-8: loaded cars
- x Track 3, spots 1-4: cars loading
- x Track 3, spots 5-8: loaded cars
- x Track 4, spots 1-4: empty cars

SWITCH run 2**Pull outbounds:**

- ✓ Track 1 spots 1-8: pull loaded cars
- ✓ Track 3 spots 5-8: pull loaded cars
- ✓ Track 4 spots 1-4: pull empties (may be spotted at track 1 in next operation)

Spot empties and incoming:

- ✓ Track 1, spots 1-8: spot empties (pulled at Run 3)
- ✓ Track 2, spots 1-8: spot (incoming) loaded cars (pulled at Run 3)
- ✓ Track 4, spots 1-8: spot (incoming) loaded cars (pulled at Run 3)

Status after switch run 2:

- x Track 1 spots 1-8: cars loading (pulled at run 3)
- x Track 2 spots 1-8: cars unloading (spotted 02:00, pull 03:40)
- x Track 3 spots 1-4: loaded cars (spotted 11:00pm, pull 03:00)
- x Track 4 spots 1-8: cars unloading (spotted 02:00, pull 03:40)

SWITCH run 3

Pull outbounds:

Track 3, spots 1-4: pull loaded cars

Spot empties and incoming:

Track 3 spots 1-4: spot empties (pulled in Run 4)

Status after switch run 3:

- x Track 1 spots 1-8: cars loading (pulled at run 4)
- x Track 2 spots 1-8: cars unloading (pulled at run 4)
- x Track 3 spots 1-4: cars loading (pulled at run 1)
- x Track 4 spots 1-8: cars unloading (spotted 02:00, pull 03:40)

SWITCH run 4

Pull outbounds:

- ✓ Track 2, spots 1-8: pull empties
- ✓ Track 4, spots 5-8: pull empties

Status after switch run 4 should be same as in "Set-up"