

Hornertown

Operations Strategy

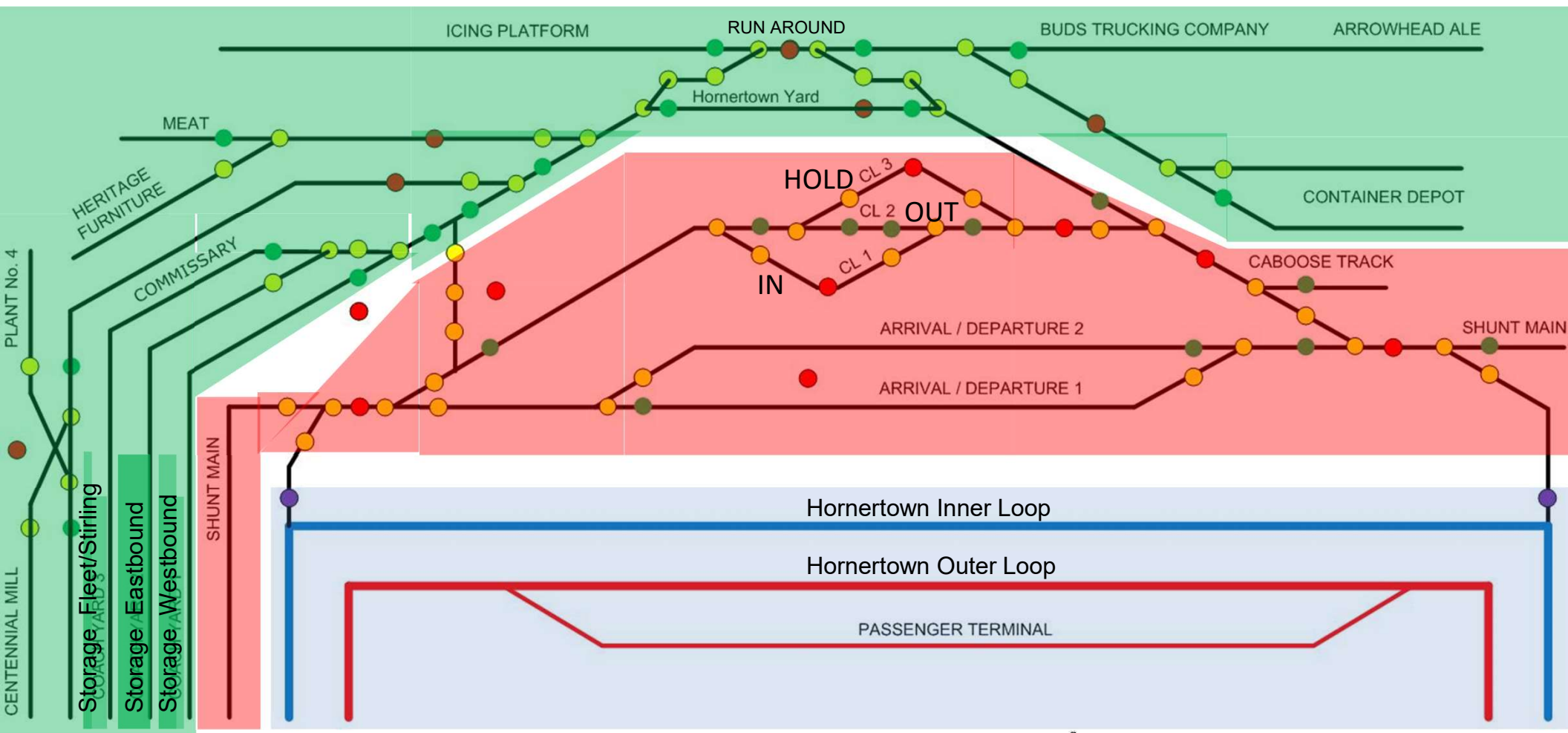
Hornertown Yard and Industrial Operations Strategy

- The smooth operation of the Hornertown Yard is critical to the success of all operating sessions as Hornertown is the “central hub” where most of the freight cars are received and forwarding occurs.
- All local trains either start and finish here whilst the others visit to exchange consists except for unit trains (coal, grain, oil) which have different individual arrangements.
- Consists for Express Goods trains are prepared from cars held in storage and incoming cars are sorted either for delivery to local industries or forwarding via Local Goods trains or transfer to other Express Goods trains.

Hornertown Tracks

- Arrival/Departure 1
- Arrival/Departure 2
- Classification To Be Shunted
- Classification Westbound Trains
- Classification Eastbound Trains
- Industrial (Yard, East & West)
- Storage Fleet / Stirling (Fleet Town & Stirling Park)
- Storage Eastbound (Jimtown, Flintston)
- Storage Westbound (LeMaistre, Huntington)
- Caboose Storage
- East Shunt Lead
- West Shunt Lead

The 3 FUNCTIONAL AREAS of Hornertown



Mainline

YardMaster

Assistant YardMaster

Role of Yardmaster

- Receive consists assembled by Assistant Yardmaster
- Receive incoming consists from mainline operators
- Move outgoing consists from East & West departure tracks to Arrival/Departure for mainline operators
- Move incoming consists between Arrival/Departure and To Be Shunted
- Move cars from To Be Shunted to Yard managed by Assistant Yardmaster
- Place sets of “car cards” in correct car card boxes
- Work with the Assistant Yardmaster as some jobs overlap
- Generally uses East Shunt Main for movement of consists

Role of Assistant Yardmaster

- Work with Yardmaster
- Move cars between Storage and Yard
- Build consists for outgoing trains
 - Local Goods Eastbound (Jimtown Turn & Flintston)
 - Local Goods Westbound (Huntington & LeMaistre)
 - Express Goods Eastbound (Fleet Town)
 - Express Goods Westbound (Stirling South)
 - Unit Trains (Oil, Coal & Grain)
- Picks Up and Sets Out cars on Industrial tracks
- Moves consists of built trains to East Shunt Main
- In conjunction with Yardmaster “Ice the PFE” when required
- Can use West Shunt Main **after Yardmaster agrees** when required

Hornertown

Contains the following Elements

- **Mainline – Towerman control**
 - Hornertown Passenger
 - Hornertown Local Passenger
 - Hornertown Outer Loop
 - Hornertown Inner Loop
- **Classification – Yardmaster control**
- **Storage & Industrial – Assistant Yardmaster control**

Hornertown - Mainline

- Controlled by Main Control Panel and Yardmaster has NO control whatsoever.
- Towerman (Control Panel Operator) usually has priority over entry / exit of trains into and out of the Hornertown Yard.
- Yardmaster MUST consult with Towerman for entry / exit onto mainline

Hornertown - Classification

- Controlled by Yardmaster
- Consists of:
 - 2 Arrival Departure Tracks – 1 & 2
 - 3 Classification Tracks
 - To Be Shunted
 - Westbound Departures
 - Eastbound Departures
 - Has own Shunter
- Arrival / Departure tracks (A/D1 & A/D2) used for:
 - Placement of consists prior to mainline Loco arrival
 - Receiving incoming trains
- If the runaround track is required coordination with Assistant Yardmaster is required, **you don't have priority**

Hornertown – Storage & Industrial

- Controlled by Assistant Yardmaster
- Functions independently from Hornertown – **Classification**
- Has a yard track, three storage tracks and industries at the Western End and Eastern End
- The Industrial area of Hornertown functions like a separate yard
- Storage tracks are used for outbound cars waiting delivery to
 - Fleet/Stirling (Fleet Town & Stirling Park)
 - Eastbound (Jimtown Turn & Flintston)
 - Westbound (Huntington & LeMaistre)
- Has its own shunter
- The **RUN AROUND** track can be used by the Yardmaster Shunter after coordination with Assistant Yardmaster **you generally have priority use**

Session #2 V4.2 - Hornertown arrivals/departures

Arrive	Depart	Source	Track	Train #	Train description	Caboose
05:35		West	Arrival/Departure 1	600	Jimtown Turn LE	
	05:40	East	Arrival/Departure 2	550	Jimtown Turn	Required
05:50		West	Arrival/Departure 1	630	Flintston Local LE	
	05:55	East	Arrival/Departure 2	511	Flintston Local	Required
06:21		West	Arrival/Departure 1	560	Flinston Local	Store
	06:25	West	Arrival/Departure 1	631	Flinston LE	
06:28		West	Arrival/Departure 1	580	Huntington Local	Transfer
	06:35	West	Departure West	530	Huntington Local	Transfer
06:43		West	Arrival/Departure 1	520	LeMaistre Local	Transfer
06:47		West	Departure West	521	LeMaistre Local	Transfer
06:49		East	Arrival/Departure 1	294	Express Goods East	Transfer
	06:55	West	Arrival/Departure 1	615	Express Goods LE	
07:10		East	Arrival/Departure 2	503	Jimtown Turn	Store
	07:10	West	Arrival/Departure 2	601	Jimtown Turn LE	
07:20		West	Arrival/Departure 1	626	Express Goods LE	
	07:23	West	Arrival/Departure 1	295	Express Goods East	Transfer

Session #2 V4.2 - Hornertown Shunt Movements

Build	Sweep	Move	Job	Train # Description
05:00			HT1	800 AYM Build Local Freights
05:15			HT2	801 AYM Build Westbound Local Freights
		05:20	HT3	812 YM Prepare loading for trains departing EAST
		05:35	HT4	814 YM East Shunt Main > West Departure
		05:40	HT5	817 YM East Departure > A/D2 Jimtown Turn
05:40			HT6	806 AYM Build Express Goods East
		05:45	HT7	817 YM East Departure > A/D1 Flintston Local
		06:05	HT8	813 YM East Shunt Main > East Departure
	06:05		HT9	810 AYM Industrial Shunt
		05:45	HT10	816 YM A/D > To Be Shunted Ex Flintston Local
		06:27	HT11	819 YM Caboose Movement Transfer Between Huntington Local Trains
	06:30		HT12	809 AYM Sweep Yard/Staging
		06:32	HT13	816 YM A/D > To Be Shunted Ex Huntington Local
		06:37	HT14	819 YM Caboose Movement Transfer Between LeMaistre Local Trains
	06:42		HT15	815 YM Sweep > Yard
		06:42	HT16	819 YM Caboose Movement Ex Flintston Local
		06:47	HT17	816 YM A/D > To Be Shunted Ex LeMaistre Local
		06:52	HT18	816 YM A/D > To Be Shunted Express Goods East
	06:57		HT19	815 YM Sweep > Yard
	07:02		HT20	809 AYM Sweep Yard/Staging
		07:05	HT21	817 YM East Departure > A/D Express Goods East
		07:10	HT22	816 YM A/D > To Be Shunted Ex Jimtown Turn
	07:15		HT23	815 YM Sweep > Yard
		07:20	HT24	819 YM Caboose Movement Ex Jimtown Turn

The Gantt chart displays the following tasks and their durations:

- 800 Build Eastbound Local Freights HT 1:** 05:00 to 05:14
- 801 Build Westbound Local Freights HT 2:** 05:14 to 05:29
- 812 Express Goods HT 3:** 05:29 to 05:47
- 819/818 YM Prepare Loading for trains departing East HT 3:** 05:19 to 05:30
- 818 YM East Shunt Main > Dep W HT 4:** 05:35 to 05:40
- 817 YM Class > A/D - 550 HT 5:** 05:40 to 05:44
- 817 YM Class > A/D - 511 HT 5:** 05:44 to 05:47

Key events and dependencies are marked with arrows and labels:

- 05:08: Arrow pointing to 05:09.
- 05:16: Blue dashed vertical line.
- 05:21: Arrow pointing to 05:22.
- 05:24: Arrow pointing to 05:25.
- 05:37: Arrow pointing to 05:38.
- 05:38: Label '600' in an orange box.
- 05:40: Label '550' in an orange box.