

Building a Modern Yard

Continued from Last Month

Designed for Operations

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MCR Division 10

Some Words about My Layout

- N scale,
- Very modern era
- Strong usage of Digitrax DCC and JMRI
- Kato track and turnouts

Key Features

- Optimized for modern operations
- Will use an off-line dispatcher, with radio connectivity.
- Will have a yardmaster and crew for switching at the main Yard and the two industrial yards.
- It has a huge staging yard accessed by 6 layer helix. Can hold 18 unit trains with bi-directional entry and exit.

Last Month's Clinic

- Presented information about my major yard
- Kuhn Yard has four yards
 - Upper double ended A/D Classification Yard
 - Single ended classification and MOW yard
 - Single ended engine maintenance and fueling yard
 - Single ended small intermodal yard
 - All interconnected with a thoroughfare track

Rules of good yard design

- “The Ten Commandments of Model Railroad Yard Design”, Craig Bisgeir ---The classic”
- “The Model Railroader’s Guide to Freight Yards”, Andy Sperandeo
- “Realistic Model Railroad Operation”, Tony Koester
- “North American Railyards”, Michael Rhodes

Today's Clinic

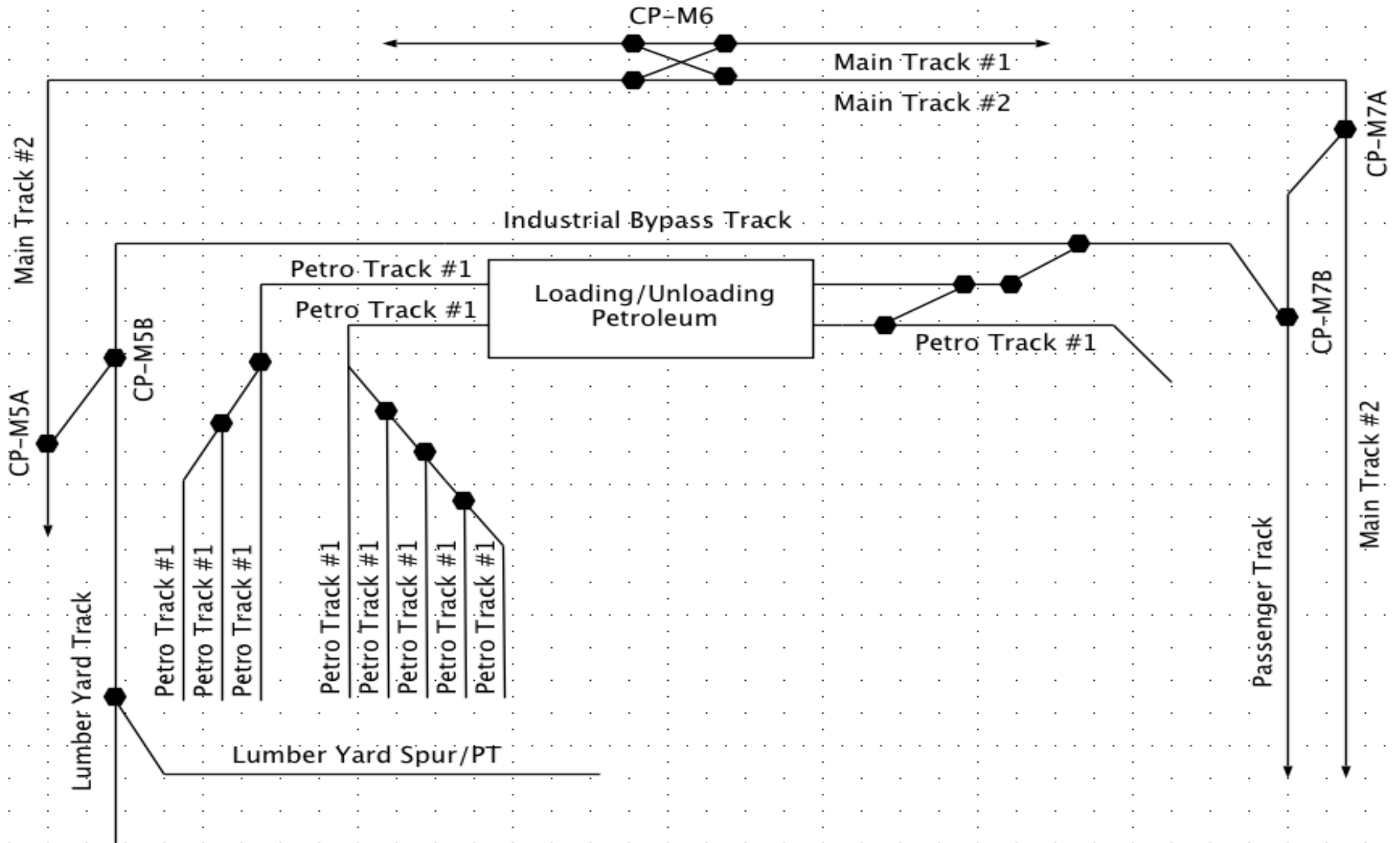
- Covers:
 - The industrial yard serving the Valero oil refinery
 - The industrial yard serving the Budweiser barley plant
 - The large staging yard on the lower level

Industrial Yard

Valero Oil Refinery and Woodstock Lumber

- The oil refinery will be a major industry on my layout
- The refinery itself will be 50" x 17" without the yards
- Switched off of a double ended main track bypass with a facing point turnout from the main yard
- Controlled by a manual switch panel

Industry Yard Track Layout

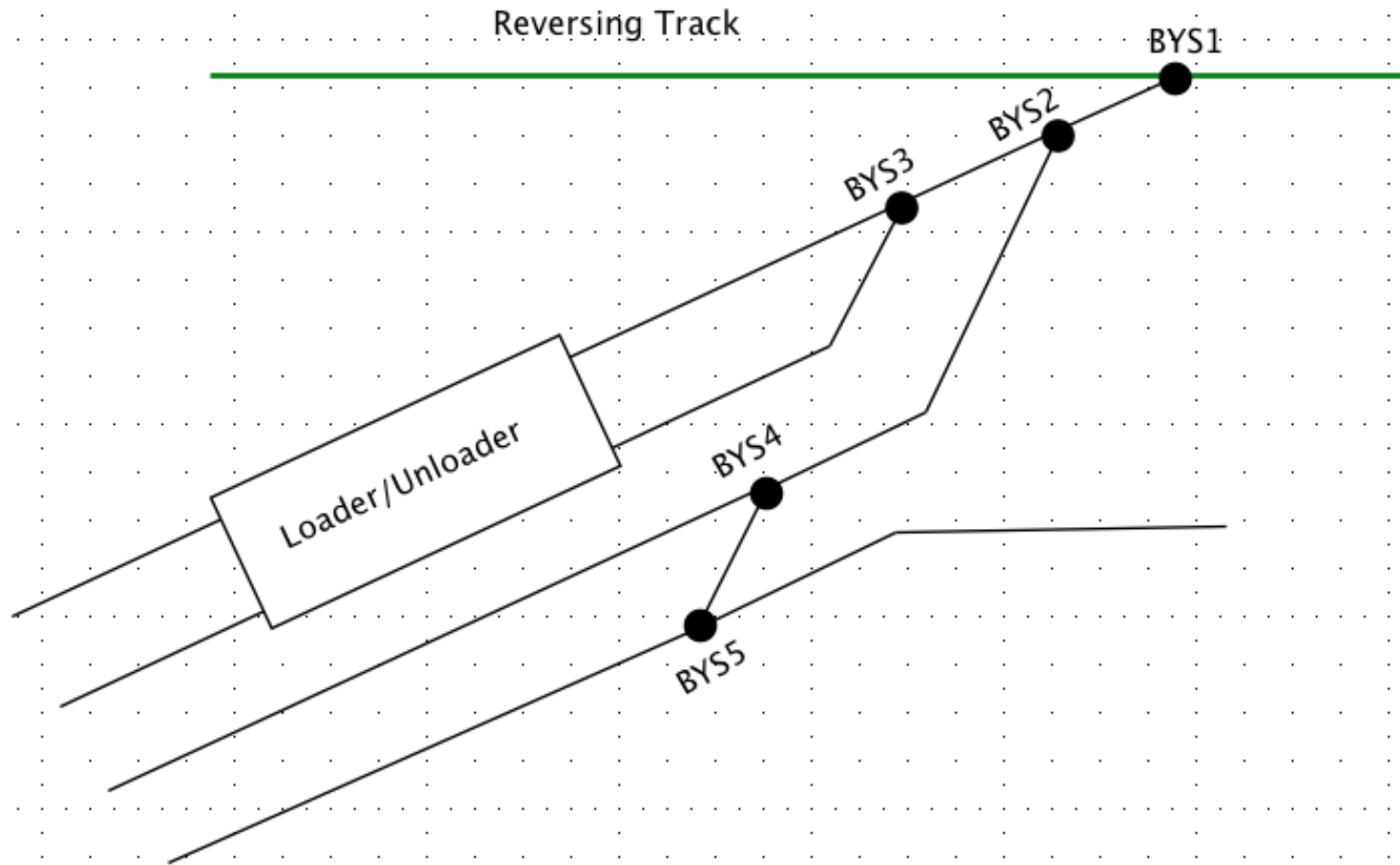


Industrial Yard

Budweiser Barley Plant

- The Bud Barley Plant is a scratchbuilt structure and is a major industry on my layout
- The Plant is prototyped from the Idaho Falls, ID plant
- Not enough room on the layout for the entire plant but mine will have a 27 silo elevator, head tower and a double track loading/unloading building
- Switched off of a reversing loop with a facing point turnout from the main yard.
- Controlled by a manual switch panel

Budweiser Yard Diagram

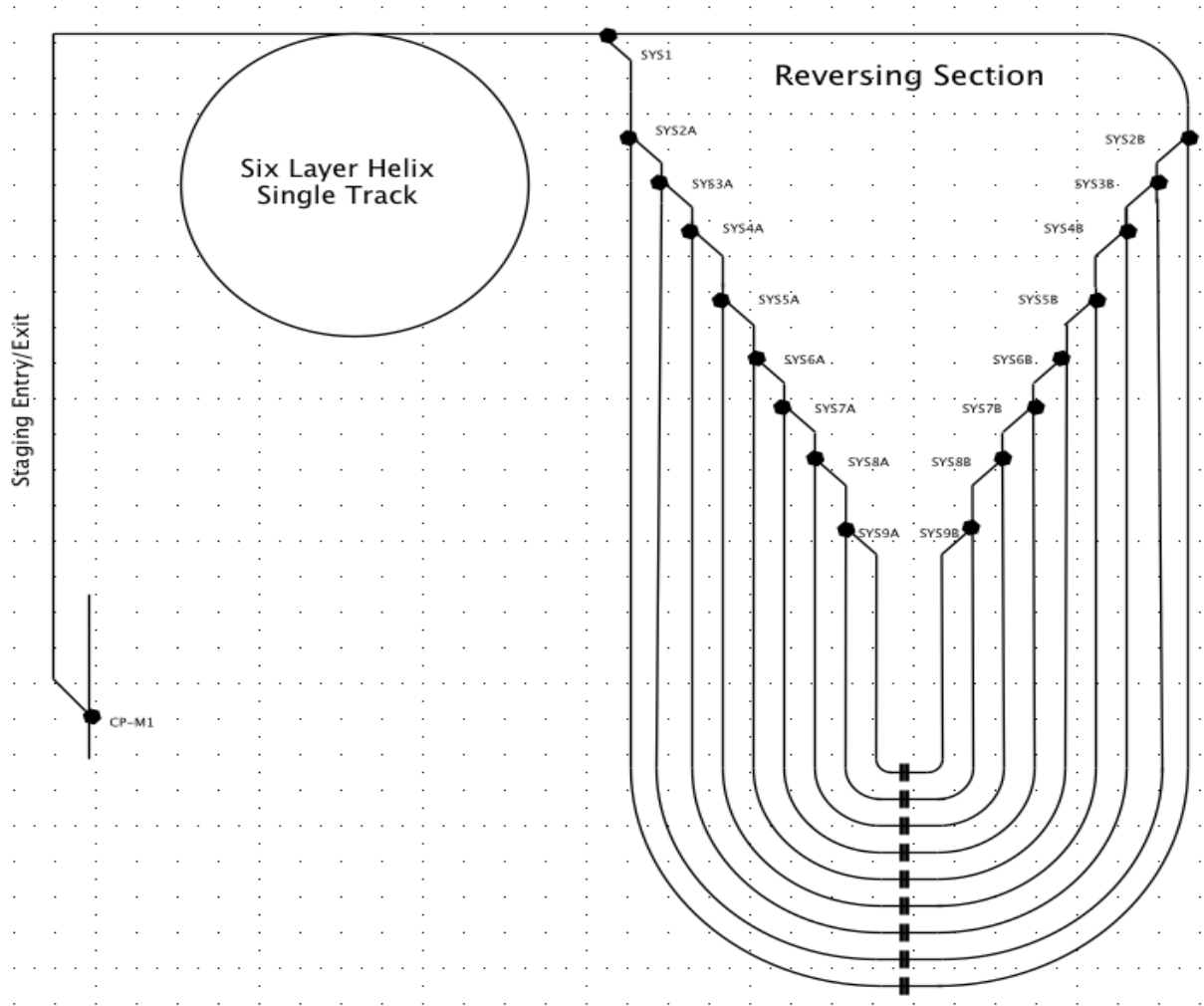


Staging Yard

Represents Chicago and Seattle and Other Points in Between

- The Staging yard is a nine track, double-sided yard build as a reversing section and is fed by a long 2% entry/exit ramp and helix from Track #1 on the main level.
- The yard has eight detection section separated into two blocks in each one.
- Turnouts controlled by the dispatcher using DS64 Stationary decoders and JMRI with a layout display screen.
- Bi directional access makes for a very interesting dispatcher challenge
- Engineer/Conductor will be directed by the dispatcher for arrival and departure.
- All trains will have two matched back-to-back engines on the consist and will remain paired.
- JMRI will also control power to the 18 blocks.

Staging Yard Design



Questions

Summary

- Both of these clinics are on the Division 10 website in the articles section
- I've shared with you the thoughts and plans of the yards on my new layout.
- You are all welcome to come over and see the progress I have made on my layout. The layout tour will follow today's meeting.
- Thanks for listening