SYC2 Staging Yard Controller Configuration

Yard Name: _____

ID Color: _____

Use this form to configure an SYC2 staging yard controller. First go to **http://virginian.mdodd.com/syc2.html** to place your order, then complete this form and go to the Web Configuration Page (Step 4) to enter and send your configuration.

For reference, write the name of the staging yard above, and the color you chose on the Web configuration page for the microprocessor ID paint spot. Read these instructions, understand the example, and complete the three tables below.

Save this form! You'll need it to verify that the configuration is correct when you receive a confirmation e-mail.

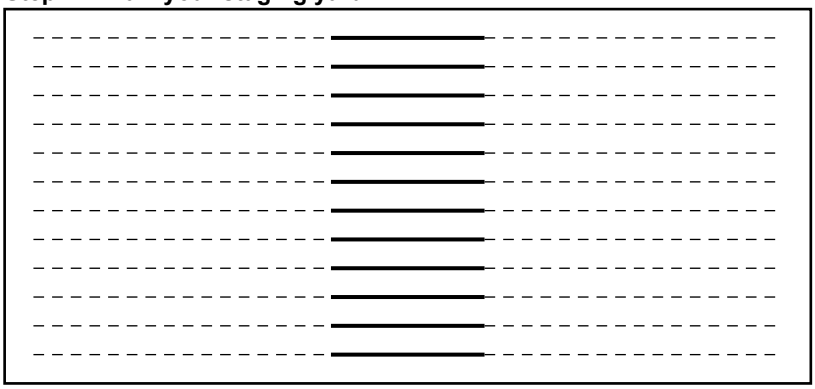
Step 1. Draw your staging yard with the throat on the left or right end of the solid track lines. Only one track can lead into the throat. Number each track and label each turnout with a letter. Track numbers usually start at 1, but they may start at any number. Don't leave gaps in track numbers.

Step 2. Complete the route table. Trace the route on the yard diagram from the main track to each staging track. Every time you encounter a "reversed" turnout (thrown to the diverging route), write a checkmark for that turnout and track. Leave the cell blank if the turnout is in the normal ("straight") position. Leave unused tracks blank.

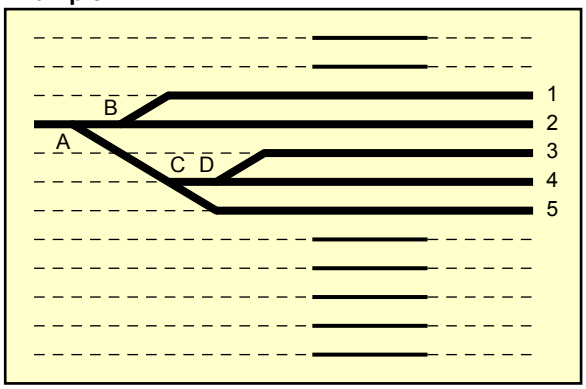
Step 3. Select time dalays. Read the instructions in this table, then enter your choices.

Step 4. Go to the Web Configuration Page, **http://virginian.mdodd.com/syc2_config.php** to enter and send your configuration. Check the confirmation e-mail against this form.

Step 1: Draw your staging yard



Example



Step 2: Mark reversed turnouts in this route table

Track \ Turnout	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Example

Track \ Turnout	A	B	C	D	E	F	G	H	I	J	K
1		✔									
2											
3	✔		✔	✔							
4	✔		✔								
5	✔										
6											
7											
8											
9											
10											
11											
12											

Step 3: Select time delays

Item	Suggested	Your Choice	Description
Motor Delay	3 seconds		Measure the number of seconds it takes your motors to fully align the turnouts.
Power-off Delay	1 second		Number of seconds to wait to turn off the track power after the occupancy detector reports that the throat is vacant. Choose a short time (e.g., 1 second) to stop incoming trains immediately after they clear the yard throat. Choose a longer time such as 10-15 seconds if you want operators to stop their own trains (but will they stop before hitting the end of the yard track?).
Timeout Delay	45 seconds		Number of seconds after pressing the Start button during which a train must enter the yard throat. If this does not occur, the SYC2 cancels the operation. Measure how long it takes a train to start and run at medium speed into the throat, then add a generous amount to give crews plenty of time.
Final Delay	15 seconds		"Grace period" following a Timeout Delay. If a train enters the throat during this time, normal operation continues. If not, the operation is canceled.