TMRR Signals

Solid Red = Stop; Otherwise Go.

Train Mountain signals use multiple heads to indicate which route ahead is selected. The signal has one head for each possible route. Only one head will be active at any given moment, all other heads will display red. If no route is permitted, all heads will be red.



Colors are used to indicate the presence of trains ahead on the selected route. These colors can be displayed on any of a signal's heads, thus forming a matrix of possibilities.

Head Color		Summary	Meaning	
þ	Green	GO	Proceed. The track ahead is clear	
.¦⊅.́-	Flashing Yellow	GO	Proceed, slowing down by the time you reach the next signal	head position is iles most closely
þ	Yellow	GO	Proceed, preparing to stop at the next signal	with se ru
þ	Lunar White	GO	Proceed "on-your-own". Used for entering a yard.	US.
- þ	Flashing Red	GO	Proceed "on-your-own". There is a train immediately ahead.	
	Red	STOP	Do not pass the signal.	This system of railroads in the the Burlington

The following illustration shows a progression of signals. Displaying them in this context helps clarify their usage. Behind a train is a flashing red - a following train may proceed cautiously, prepared to stop immediately. Behind the red is a yellow - a following train must be prepared to stop at the next signal. A flashing yellow behind the solid yellow is becoming customary on real railroads. It gives additional distance in which to slow down. Ahead of the train is a crossover. For this diverging/secondary route, a green is displayed in the second head. Real trains would need to go slow over diverging switches and the preceding flashing yellow provides the warning to get slowed down. The train enters the yard on a lunar with yellows preceding.







Warning:

The light beam request circuitry may throw the turnouts at any moment, but only when:

- The signal is solid red, and
- No train is on the turnouts.

Therefore, never pass this signal when it is displaying a solid red. Always make sure the signal is displaying a "proceed" indication to ensure that the turnout will not throw in front of your train.



There are three route possibilities upon exiting the long tunnel. The leftward route leads to Central Station. The rightward route leads to the Main Yard. The center (straight) route leads to the Central Bypass.

Trains are able to select their desired route using an in-motion route selector. Mounted on the Cox bridge are two lightbeam detectors that shine down on reflectors on either side of the track. Requesting a route is done by extending an arm to break the light-beam as follows:

- Left arm extended requests left route to Central station.
- Right arm extended requests right route to Main Yard.
- Neither arm extended requests straight route to Central Bypass.

Trains must maintain at least 10 seconds of separation for the detectors to properly distinguish separate trains.

The system has been designed to accommodate the possibility that you are following another train. You do not need to worry that breaking a light-beam will affect a train in front of you. The switches will be properly aligned for your train when you exit the tunnel.



Engineer extends left arm to request route to Central Station.



Train Mountain Signal Indications

	Primary (straight) route • Maximum Authorized Track Speed	 Secondary (diverging) route Reduced speed through turnouts 	Tertiary (diverging) route Reduced speed through turnouts 	Quaternary (diverging) route • Reduced speed through turnouts			
Green • Go							
	Name: Clear	Name: Diverging Clear					
	Indication: Proceed.	Indication: Proceed on diverging	g route at reduced speed.				
 Flashing Yellow Slow down for next signal. Next signal is either Approach or a Diverging indication. 		Note: these two aspects are only used entering the long tunnel for a diverging route at the next signal.					
	Indication: Proceed approaching next signal at reduced speed.						
 Yellow Prepare to stop at next signal. Next signal is either Restricting or Stop. 							
	Name: Approach	Name: Diverging Approach					
	Indication: Proceed	Indication: Proceed on divergin	g route prepared to stop at nex	t signal.			
	prepared to stop at next signal.						
Flashing Red or Lunar White Proceed cautiously Train ahead Switch not thrown	-FL -FL -FL -FL						
correctly	Name: Restricting						
• Entering yard	Indication: Proceed to prepared to stop short of a train, obstruction, or switch not properly lined.						
Red • Stop. • Do not pass.							
	Name: Stop Signal						
	Indication: Stop.						