

STEPS TO ADAPTING A TRACK PLAN

THE READERS' CHOICE RAILROAD REWORKED FOR LIONEL FASTRACK – PLUS HELPFUL TRACK-PLANNING TERMS

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ids used to be able to create a new toy train layout in the blink of an eye. All they needed were a bundle of tubular track, permission to move a few fixtures around the rumpus room, and just a bit of imagination to spawn an endless number of Carpet Central creations. But as youthful builders matured, many learned to appreciate the conveniences of a prescribed plan, much like those in CTT's special-interest publication, Small & Midsize Track Plans for O Gauge Trains (To order call 1-800-533-6644 or visit ClassicToyTrains.com).

Based on the favorable responses regarding these and other track plans published in *Classic Toy Trains*, it seems that readers truly do rely on these

schemes to inspire and guide their layout construction
efforts. But along with the
comments, we also receive a fair number of requests to produce alternative versions of a specific plan, including the O

gauge Readers' Choice Railroad (see the February 2011 issue of CTT). I designed for traditional tubular track sections. With such a dizzying array of track brands, types, and sizes available,

LIONEL FASTRACK COMPONENTS		
Quantity		Description/Number
2		1.75-inch straight (12026)
1		4.5-inch straight (12025)
2		5-inch straight (12024)
5		10-inch straight (12014)
6	Θ	0-36 curve, 11.25-degree (12023)
1	\bigcirc	0-36 curve 22.5-degree (12022)
14	\bigcirc	0-36 curve, 45-degree (12015)
2		0-48 curve, 30-degree (12043)
1	\square	0-36 left-hand track switch (12017)
2	\bigwedge	0-36 right-hand track switch (12018)
1	U	5-inch uncoupler (12020)
2		bumper (12059)

it's no wonder we're a bit more hesitant to simply amass a supply of track and start building or modifying a layout on the fly.

For those of us who prefer to work from a design, I've retrofitted the Readers' Choice Railroad track plan to suit Lionel FasTrack components. Along with the modified plan, I'll share some of the key considerations I made before attempting the task.

Finally, I think you'll also enjoy a brief overview of track-planning terms, tips, and techniques that should make it easier to embrace that youthful urge to design a layout of your own creation!



Readers' Choice Railroad Revamped

1 Check for similar plans

Converting a plan isn't an impossible task, but it does take time. Before I go through the effort to convert a scheme, I spend a few moments searching for a plan with characteristics similar to the one I want to convert.



Perhaps the best source for searching alternative track plans is CTT's Track Plan Database. Subscribers visiting ClassicToyTrains.com can easily search nearly 100 plans based on layout size, track type, and minimum curve size.

2 Compare track types You'd think that track products sold by the same manufacturer would be interchangeable, right? Not always. Before you decide whether to convert a plan to your preferred track type, be sure to explore just how many sections have complementary parts - especially the curves, switches, and crossings. As the chart illustrates, only four sizes match. Essentially, fewer matching pieces equates to more challenges in the conversion process.

In addition to knowing what's available in a product line, you'll want to compare the cost of the two brands. The appearance of contemporary track is remarkable, but it comes at a greater price than 60-year-old tubular rails.



3 Consider the curves and crossovers After comparing two track systems, I look closely at the shape of the original plan to determine how larger and smaller sections affect the overall design. First, I'll focus on one specific loop or route and examine how swapping out curves may alter the length and width of the scheme. Even a seemingly slight change in the geometry of a curve can have a drastic impact on what fits into a prescribed space. Next, I perform a similar survey of the track switches. I pay particular attention to crossovers, where changes in track geometry can expand or constrict the spacing between parallel routes.



Create software sketches

Once I've gathered these critical insights, it's time to start slogging through a conversion. You may think that a no. 2 pencil and graph paper are the best tools for track planning, but I prefer layoutplanning software. RR-Track from R&S Enterprises (rrtrack. com) is my favorite application, as it maintains the widest variety of track libraries from which to choose. Software makes it much easier to virtually test-fit sections of track and avoid the inaccuracies that can occur when drafting with pencil and paper. Along with software, I found it helps to keep a Fas-Track Length Table as a ready reference (see the October 2009 issue of CTT or download this tool at ClassicToy-Trains.com).



Track-Planning Terms

When it comes to discussing track plans and the process of preparing a new or converted plan, it's easy for me to lapse into jargon that may leave new hobbyists scratching their heads. While CTT editors make a conscious effort to explain any uncommon terms that appear in our features and departments, we can't forget to circle back to define those term that seem commonplace to us. With that in mind, here's an illustrated glossary of some basic trackplanning terms that will help you better appreciate the intricacies of the plans featured in our Toy Train Track Plans series and our recently launched Track Plan Database – now accessible to CTT subscribers at ClassicToyTrains.com.



