

Approaching the problem on getting between decks in a different way

Trackside Scenery's Helix Solution and it's application on the Chesapeake and Ohio Big Sandy Subdivision

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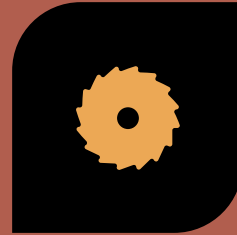




Clinic Agenda

- **Typical Helix Construction methods**
 - **Advantages and Disadvantages**
- **New Approach**
 - **Trackside Scenery Helix Solution**
 - **Components**
 - **Advantages and Disadvantages**
- **Application on the C&O Big Sandy Sub**

Typical Helix Construction Methods



PLYWOOD SUPPORTED
BY WOOD OR METAL
RISERS



PLYWOOD HELD BY
WOOD BLOCKS IN
BETWEEN LEVELS



PLYWOOD OR
MASONITE HELD BY
TREADED ROD



PLYWOOD HELD BY
ANGLED BRACKETS



**PLYWOOD , PLYWOOD,
PLYWOOD**

Advantages and Disadvantages of tradition approach



COST



WASTE



ACCURACY



CONSISTENT
GRADE



WEIGHT



TIME

New Approach

- Trackside Scenery Helix Solution
- Gatorboard laser cut helix components
 - Deck Sections
 - Risers – Standard or Extended
 - Clamps or connectors



*for more information
tracksidescenery.com*

Advantages and disadvantages of new approach



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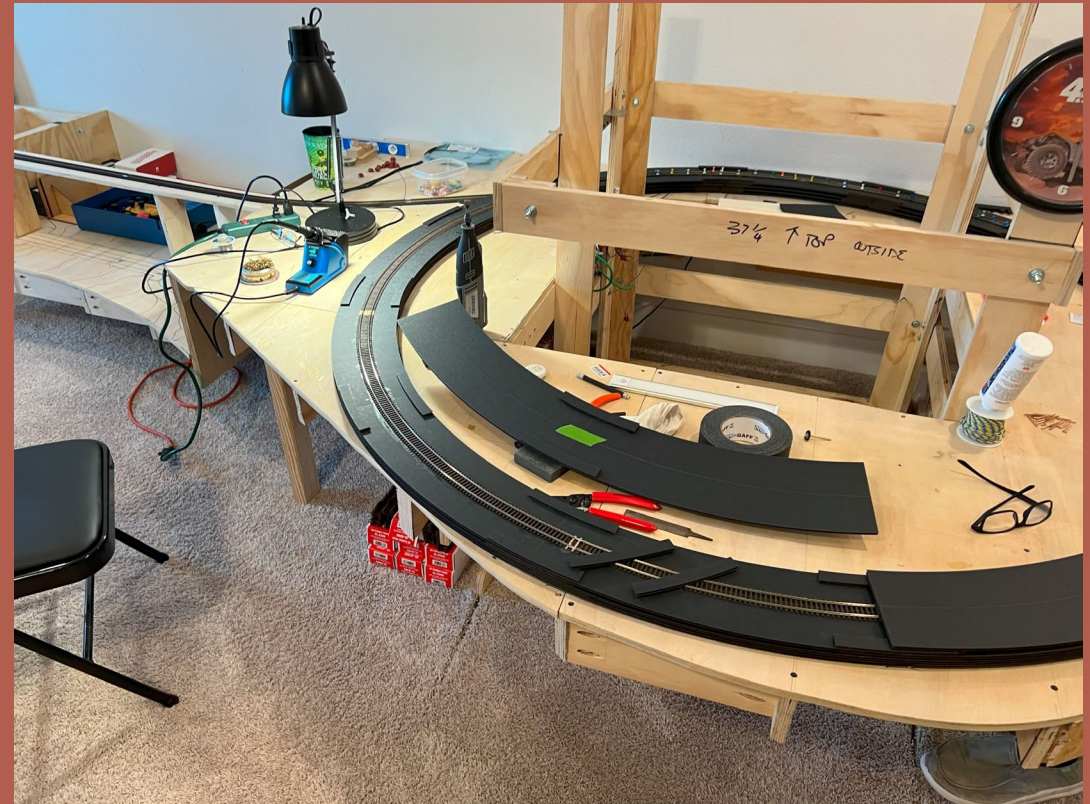
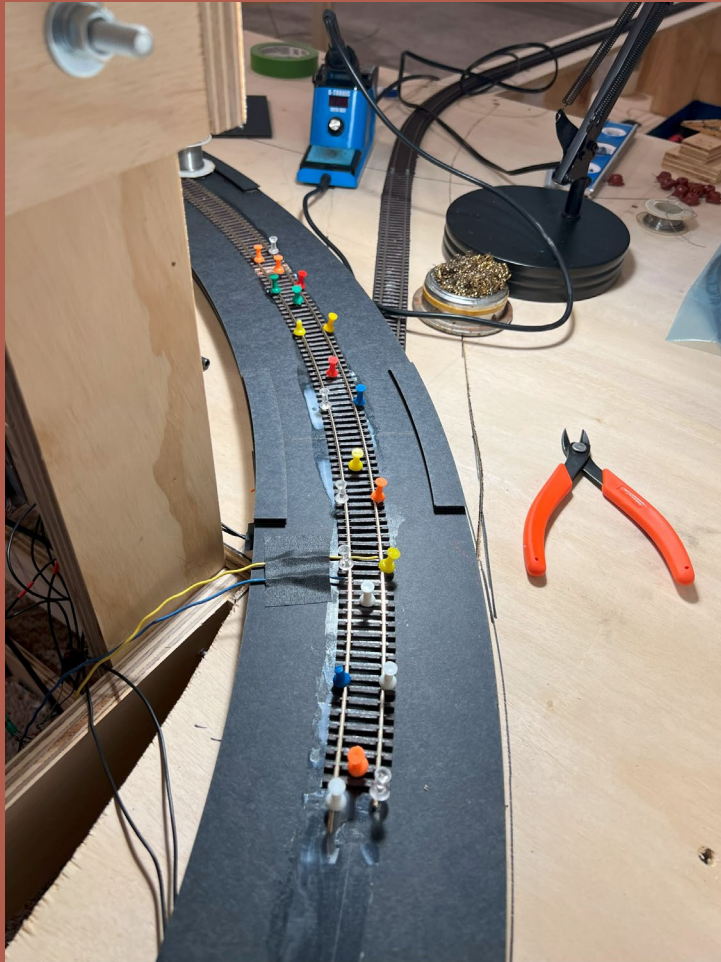


TIME

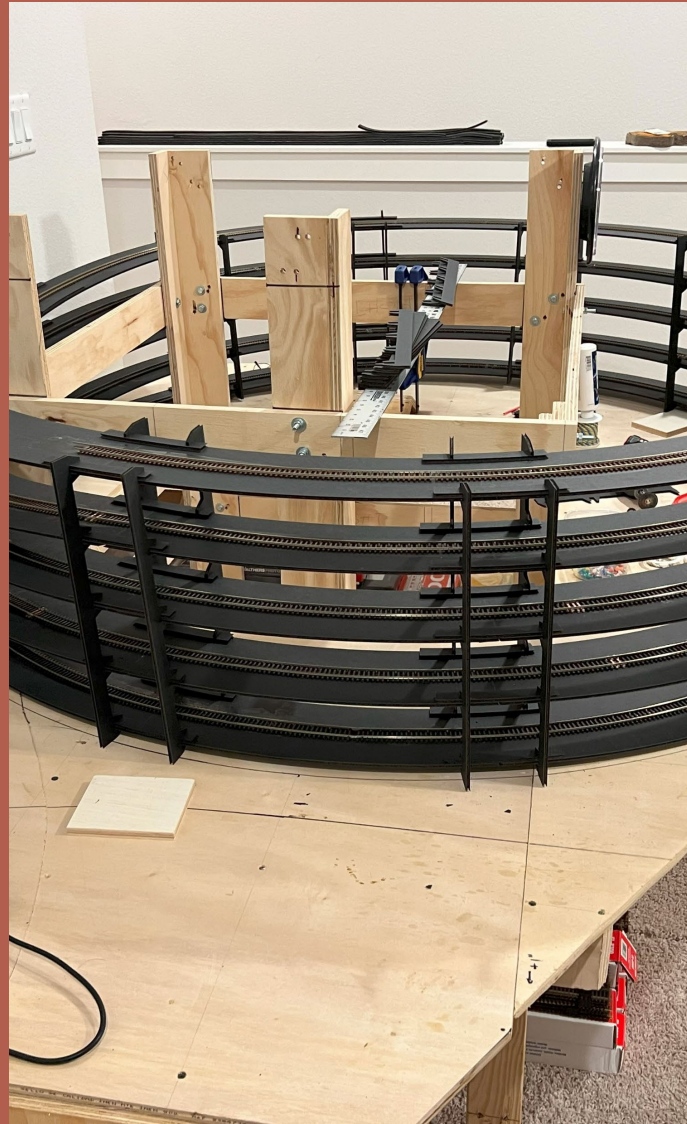
Application on the C&O Big Sandy Sub



Assembling the helix components, adding electrical drops and track



Inserting the Risers for the 5 1/2 loop Helix



Establishing final grade of 1.56%



Finishing up with Helix topper and Cardboard guard rails on the outside



Tips and trick learned



Pre-stage

Helix deck assemblies
Flex track sections
Power drops
Detection electronics



Work slow,

Assemble Helix deck assemblies
Attach track to deck assemblies
Solder flex track section together
Gap and test each loop

Tips and Tricks Continued



Simple super glue best for connecting deck sections to clamps



Crafters Choice
Adhesive fantastic
choice to adhere

Track to Deck sections
Risers to Deck sections
Grade risers to Helix
base

Final take aways



Easy to
build Helix



Consistent
grades



Light
weight



Strong



Fast

Very little
waste

References



- [Trains.com](https://www.trains.com)- Construct a simple and reliable Helix
- [Model-Railroad-Hobbyist.com](https://www.model-railroad-hobbyist.com)
- Helix Sub-Roadbed Thickness and more
- Trackside Scenery Helix Kits- [Tracksidesceneryshop.com](https://www.tracksidesceneryshop.com)

Questions

