

# Country RRoads

Modular Model Railroading

## Material Sources

### **Sandeply or EquaPly ½” Plywood**

Actual thickness 0.491 or approximately 15/32”

4’ x 8’ sheets

Source: Home Depot or Lowe’s

### **Poplar Hardwood**

6-quarter S2S

Source: Suwanee Lumber

Suwanee, GA

### **Bending Plywood**

¼” x 4’x8’ sheets

Source: Dixie Plywood & Lumber

Duluth, GA

### **Adhesive, Wood**

Commercial Name: Titebond II

Source: Lowes

### **Foam**

2” thickness x 4’x8’ sheets

Mgr: Owens Corning

Source: Home Depot or Lowe’s

### **Adhesive, Foam**

Commercial Name: PL300

Source: Home Depot

### **Fascia**

1/8” Tempered Hardboard

4’ x 8’ sheets

Source: Home Depot or Lowe’s

## **Fascia Paint**

Color: Hunter Green

### **Specification**

Source: Home Depot  
Brand: Americas Finest  
Size: One Gallon  
Base: AF3314N  
Type: Exterior Semi-Gloss  
Color: Custom

Colorant	AX	D	KX	L
OZ	2	11	0	2
<u>384<sup>th</sup></u>	83	188	83	30

## **Wire, Bus**

#12 awg, stranded, blue (track), white (accessories), type TW, THN, or THHN

Commercial Brand: Consolidated Wire and Cable

Product Name: Hook Up Wire, 12AWG STRANDED, 500ft spool

Vendor: Del City

<http://www.delcity.net/>

## **Wire, Feeder**

Commercial Brand: Consolidated Wire and Cable

Product Name: Hook Up Wire, 20AWG STRANDED, 100ft spool

Vendor: All Spectrum Electronics

<http://www.allspectrum.com/>

## **Bus Connectors**

Commercial Brand: Anderson Powerpole

Connectors needed for one, two ended, module.

Four blue housings

Four white housings

Eight connector contacts

Part numbers for PP15-45 Standard Connectors

Housing, blue, part number 1327G8

Housing, white, part number 1327G7

Contact, high mating force, 16-12 AWG, part number 269G1

Source: Mouser Electronics - Web: <http://www.mouser.com/>

## **Bolts (module interconnection)**

½"- 13 x 2-1/2" length with nut

Vendor: Ace Hardware

## **Leg Levelers**

# 158-504 Leveler ¼-20 x 2"

Woodworker's Supply of NC

<http://woodworker.com/>

## **Leg Retaining Knobs & Bolts**

Knobs

Innovative Components AN4C-5S221

<http://www.amazon.com/>

Bolts for knobs

¼"-20 x 2 inch, round head, machine screw w/ lock washer

Source: Home Depot or Lowe's

## **Roadbed**

Commercial Brand: Midwest Products HO

Product Name: 3013 Cork Roadbed 3' Length

Source: Model Train Stuff

<http://www.modeltrainstuff.com/>

## **Track**

Commercial Brand: Micro-Engineering

Product Name: HO Code 83 Weathered

Source: Model Train Stuff

<http://www.modeltrainstuff.com/>

## **Track Adhesive**

Used For: Adhering flex track and turnouts to road bed.

Commercial Brand: DAP

Product Name: Dynaflex 230 (caulk)

Vendor: Home Depot (paint department)

Comments: This paintable, flexible, caulk stays slightly soft and allows the track to move slightly with changes in temperature or humidity. Available in various colors, gray, tan, brown, etc. so get a color that matches your ballast color.

## **Command Station**

Digitrax DCS-100 5amp

w/UR92 Duplex Radio Transceiver

w/UR91 Simplex Radio Receiver

Source: Southern Digital

<https://www.sodigi.com/>

## **Command Station Power Supply**

Triad F8-16 Transformer

Source: Mouser Electronics

<http://www.mouser.com/>

## **Command Station Circuit Breaker**

DCC Specialties

PSX-1 Power Shield Circuit Breaker

Tony's Train Exchange

<http://tonystrains.com/>

**Auto Turnout Control – Reverse Loops**

Used For: Automatically setting the turnout position.

Commercial Brand: DCC Specialties

Product Name: Hare (single T control)

Vendor: Tony's Trains

<http://www.tonystrains.com/>

**Auto Polarity Reverse Electronics**

Used For: Automatically reversing track polarity in track loop and wye configurations.

Commercial Brand: DCC Specialties

Product Name: PSX-AR

Vendor: Tony's Trains

<http://www.tonystrains.com/>

**Switch Machines**

Used For: Changing turnout routes.

Commercial Brand: Circuitron

Product Name: Tortoise

Vendor: Tony's Trains

<http://www.tonystrains.com/>

Comments: Use with card edge connectors to simplify wiring. See music wire, edge connectors.