

**Allegheny Western Lines  
People Barriers**

Parts List

<b>Quantity</b>	<b>Size</b>	<b>Description</b>	<b>Home Depot SKU #</b>	<b>Price Per Unit</b>
1	8 oz	PVC Cement	187-178	\$4.49
2	1-1/4"x10'	PVC Pipe	312-940	\$3.59
4	1-1/4"	Schedule 40 Cap	294-209	\$0.51
4	1-1/4"	Metal Flange	182-141	\$4.24
4	1-1/4"	Schedule 40 Male Adapter	294-039	\$0.69
4	#14 x 1-1/4"	Wood Screws – Flat Head		
4	#10	Screw Eyes		
1		Yellow/Black Poly Rope	230-795	\$6.88
1	50lb. Bag	<i>Play Sand</i>	578-819	\$4.99
2		America's Finest Hunter Green Spray Paint	180-078	\$1.96
2		<i>Plastic Compatible Primer</i>		
1		America's Finest Sun Yellow Spray Paint	153-843	\$1.96
1	2" x 10"	Board		
1	2" x 2" x 2'	HARDWOOD board		
		<i>Stain or polyurethane to suit</i>		

*Italicized items may be substituted.*

## **Allegheny Western Lines People Barriers**

### **Construction Procedure**

#### Part Preparation

1. Cut 10' PVC pipe into 34" lengths. There will be some short leftovers. Lightly sand edges of pipe for smooth fit.
2. Cut 2" x 10" board into 10" x 10" pieces. You will have many extras.
3. Cut 2" x 2" Hardwood board into 1" pieces. You will need 4 feet per stand.
4. Glue and tack feet onto bottom corners of 10" x 10" pieces. The flange will mount on the other side. Let glue dry thoroughly.

#### Base & Flange Preparation

5. Mark center of base. Measure a straight line from diagonal corners to find the center. Place flange center at center of base. Mark drill holes for #14 flange screws.
6. Drill out holes for flange screws. Remove flange from base.
7. Stain or finish bases as desired.
8. Prime and paint the flanges hunter green.
9. When all is dry, screw flanges onto bases.

#### Pipe Assembly

10. Plug base hole on Schedule 40 Male Adapter. This adapter can be filled with a fender washer, epoxy, etc. This hole needs to be filled so the pipe may hold sand. A PVC disc may be cut to fit the hole.
11. Use the PVC cement to glue Adapter to 34" pipe length. Do not breathe the vapors of the cement.
12. Prime and paint these assemblies hunter green. A light scuffing with high grit sandpaper may allow better adhesion of the paint.
13. When dry, screw the assembly into the base flange.
14. Fill the PVC pipe  $\frac{1}{2}$  to  $\frac{3}{4}$  full of sand. Be aware that if the sand is not completely dry, excess water may seep past the cemented base!

#### Cap Preparation

15. Drill a hole to accept a #10 screw eye in the center of the cap.
16. Prime and paint the caps Sun Yellow.
17. Cement the caps onto the filled pipe assembly.
18. Screw crew eye into cap.