

Speeders, track maintenance, inspection vehicles, handcars and clown cars will run on 'Streets too (Figure 10). In fact, just about any two-axle O-gauge unit with a wheelbase less than four inches will run on D-21 or D-16 track—they have wheelbases about as short as vehicles designed specifically for 'Streets. All of these units are popular as additional running units on 'Streets layouts. In fact, some have been shown in catalogs running on 'Streets road (K-Line's Speeder in its 2005 Volume II) or have actually been offered as SuperStreets-associated products (Lionel's track speeder in its 2007 K-Line by Lionel catalog).



Figure 10: Track speeders and clown cars run fine on 'Streets roadways and are very popular with kids of all ages.

Trolleys. Many but not all O-gauge trolleys will run on D-21 curves. A very few will run on D-16, too. Lionel packaged its Birney trolley in a SuperStreets RTR set with D-16 curves in its K-Line by Lionel catalogs. It slows quite a bit in D-16 curves but makes it through. Most four-axle trolleys that will not make it through D-16 can be easily modified to do so by opening up the swivel angle of their trucks (Figure 11).

Williams by Bachmann advertises its Peter Witt trolley as “negotiates D-21 curves”—it runs nicely through them but has problems on D-16 curves. WBB’s Peter Witt, MTH’s PCC, and Atlas’s trolley run on D-21 but not D-16. With larger trolleys, “stick-out” on curves can be an annoying problem (Figure 12). It is best to measure and plan for it when laying out the roadway rather than find out later that there are clearance issues.



Figure 11: Most trolleys run through D-21 curves but only a few can handle D-16. This Atlas trolley runs well through D-16 but has had its truck swivel limiting screws removed, which required disassembly.



Figure 12: This Atlas trolley overhangs the outer edge of the road by about $\frac{7}{16}$ inch on D-16 curves and overhangs in the inner edge of its lane by about $\frac{1}{4}$ inch. Some trolleys overhang more. See also Chapter 4, Figure 2.

ALL O-gauge locomotives and rolling stock will fit onto straight 'Streets road sections. The gauge is correct, and the grooves alongside the rails in the roadway sections are deep enough for the flanges on most any locomotive or freight or passenger car. However, most locomotives and passenger cars, more than a few freight cars, and many cabooses cannot make it through D-21 or D-16 curves.

Most very short two-axle locomotives will run on 'Streets roads. All models of Porter and Plymouth switchers the author has tested run fine through both D-21 and D-16 curves.

Among larger two-axle locos, the RMT BEEP is probably the most notable model that will run on 'Streets. While large (for 'Streets), its actual wheelbase is only just slightly more than that of some stock 'Streets vehicles such as the vintage truck. Unlike 'Streets cars, trucks, and buses, BEEPS and many other small locomotives run

only on AC, so anyone desiring to run them on 'Streets will have to use only an AC power supply.

Many short four-axle diesel switchers will not only run on 'Streets but run on it better than much smaller two-axle units do. Their swiveling trucks give them an advantage in making it through curves. The RMT BANG is an example. It runs through D-21 curves nicely. RMT's Budd car will make it through D-21 also but has rather extreme overhang problems.

Very often, the only reason a trolley or small locomotive or freight car will not go around a D-16 or D-21 'Streets curve is that its trucks cannot swivel to enough of an angle to fit the curve. In some cases, modification can open up that swivel angle so they can. Modified in this manner, the Bang as well as other O-gauge diesels in that size category can make it through D-16 (Figure 13).



Figure 13: Just because you can...should you? This RMT Budd car (left) and Bang (right) will pass through the author's downtown loop. The BANG has been modified to increase its trucks' swivel angles so it will pass through D-16 curves as well as D-21. The Budd car is stock and makes it through D-21 and some D-16 curves, but only with great difficulty. While they both run on 'Streets curves, they are a hazard to everything around them as they do. On the left, the WBB sedan in the foreground is about to be knocked aside as the Budd car sweeps around the D-21 curve, and the BANG on the right side typically snags on a few parked cars unless they are moved well away from the edge of the 'Streets roadway's.

Table 3-1: Vehicles Produced for 'Streets Roadways or That Will Run on It

Vehicle	K-Line	K-LBL	WBB	TMCC	D-21	D-16	Comments
Ford Panel Van	K2629-01 to -10 and K2625-XX				Y	Y	Pre-dated 'Streets. Has F-N- R e-unit and operating lightbar and headlights
Generic Panel Van	K899-119 to -123	6-21154, 6-21278, 6-21279, 6-21517, 6-21569, 6-21570, 6-21679, 6-21706	42721 - 42724	Lionel 6-22501	Y	Y	Only vehicle type produced by all three manufacturers.
Ford Panel Van							
Generic Panel Van							
Vintage Truck	K899-101 to -118	6-21270, 6-21295, 6-21296, 6-21297, 6-21543, 6-21658, 6-22235, 6-22523			Y	Y	
Delivery Step Van	K899-130 & -131	6-21455, 6-21456, 6-21552, 6-21577, 6-22267, 6-21651, 6-21656,		Lionel 6-22510	Y	Y	Slows more than others on D-16 curves
School Bus	K899-126	6-21262, 6-21549, 6-22206, 6-22249, 6-22638			Y	Y	Slows least on D-16 curves
Camaro	K899-139						Never produced
Ambulance	K899-119						Never produced
Wrecker	K899-133 & -136						Never produced
SUV	K899-132 & -135						Never produced
Police van	K899-137 & -138						Never produced
Sedan			42725 - 42725		Y	Y	
Birney Trolley		6-21149 & similar			Y	Y	Handles D-16 but runs best on D-21
Speeder (enclosed)		6-21169 & similar			Y	Y	
Speeder (open) or clown cars		6-21649 & similar			Y	Y	
Early era insp vehicle				As Lionel 6-38800	Y	N	Will not run on Streets without modification.
Station wagon inspection		6-28440 & similar			Y-N	N	Binds on tight curves
Dodge wagon inspection		6-18484 & similar			Y	N	May require modificaiton to widen swivel angle of lead and trailing axles
Handcars - any manuf.	various from several vendors				Y	Y	
Plymouth Switcher	Lionel 6-22624 & similar				Y	Y	Handles D-16 but runs best on D-21
Porter 0-4-0 switcher	Lionel 6-21320 & similar				Y	Y	Handles D-16 but runs best on D-21, overhang an issue
Atlas Trolley	Atlas 1008108A and similar				Y	N	Mods needed for D-16, overhang can be severe
Williams Peter Witt			23910 and similar		Y	N	Modification can make it run on D-16
MTH PCC	Railking version 30- 5122-1, and similar models				Y	Y-N	Mods may be needed
RMT Bang	See RMT (Ready Made Toys) website				Y	N	
RMT BEEP, BEEF					N	N	Won't run and can't be modified: wheelbase too long.
RMT Budd				Y	Y-N	Very tight on D-16	
Lionel 0-4-0 Shifter	6-11380, etc.				Y	Y	Runs well but but looks silly doing it, severe overhang
Lionel Percy	6 - 18177, etc.				Y	Y-N	
Track maint., etc.	various from several vendors				?	?	Some do, some don't.