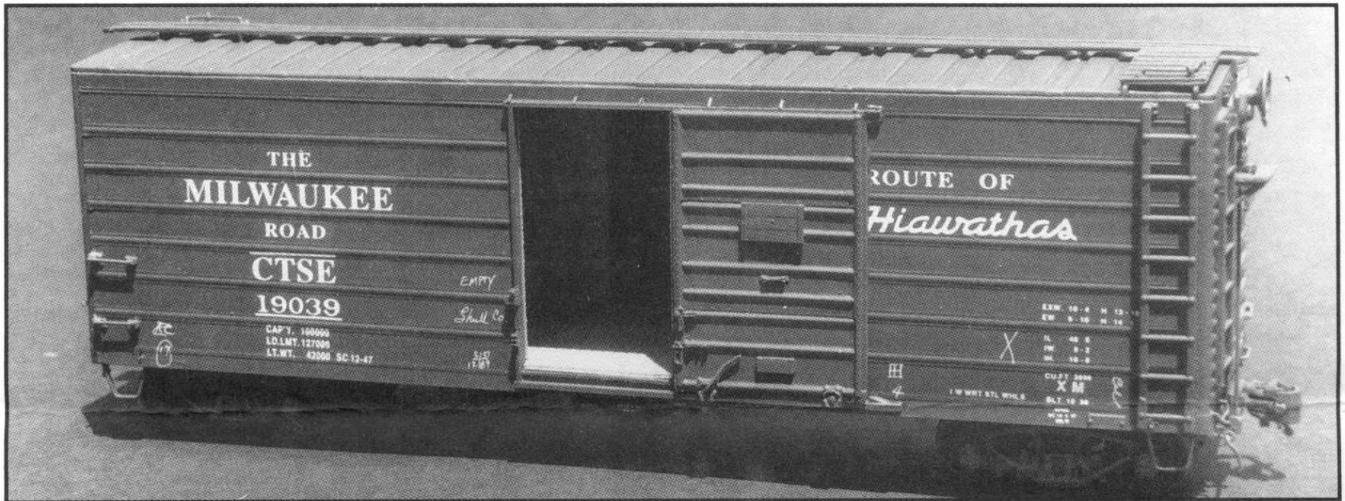


4/1.1 - 4/1.4



Milwaukee 1939-40 40' Ribbed Side Boxcar



The design of the Milwaukee ribbed sided boxcars was one of the few true innovations in boxcar design of the late Thirties. The Milwaukee Road applied this unique structural design to boxcars, as well as passenger cars, creating perhaps the only family of designs for both passenger and freight equipment.

The horizontal ribs combined with smaller vertical posts to create a light weight car. The light weight of these cars was approximately 42,600 lbs., compared to contemporary AAR design cars weighing thousands of pounds more. The reduced weight was particularly important on the Milwaukee, since the road carried so many high density loads, such as grain and lumber. These loads reached a car's weight capacity before its cubic capacity. Reduced car weight translated to more cargo.

In the early Thirties, the Milwaukee began experimenting with welding techniques at its new Milwaukee, Wisconsin shops. Late in the decade, the experimentation led to outside ribs as part of the structure. The *Hiawatha* trains of this periods first employed the ribbed side sheets, followed by freight cars.

A block of 3188 forty foot boxcars was built in 1939-40, using the new rib design. These cars were placed in the series 18000-21187. Construction of ribbed cars was continued until the late Forties but with changes in the design and appearance.

Steel and wood running boards, alternately, were applied in the pre-war years. The first five hundred 1939 built cars, Nos. 18000-18499, received steel and the second block, Nos. 18500-

19187, got wood. The first 1940s cars, Nos. 19188-20437 received wood and Nos. 20438-21187 got steel.

All cars were equipped with AB brake systems with slack adjusters, Equipco or Universal power hand brakes, Barber Stabilized trucks and lumber doors. The center 8' feet of most floors was covered with perforated steel plate. Some cars received full steel plating. Others were equipped with horizontal braces to create double or triple decking.

Most 1939-40 cars got the slogan "Route of the *Hiawathas*" on the right side. All the road's prime Midwestern trains of the pre and post-war era received some variation of the *Hiawatha* name. A few of the forty foot boxcars received the slogan "Route of the Electrified *Olympian*." One car received Chicago, Terre Haute and Southeastern reporting marks, No. 19039.

There are four versions of the kit. Modelers may get the kit with wood running board for \$30 and etched stainless steel Apex running board for \$32. The kit can be obtained with the *Hiawathas* slogan or *Olympian* slogan. In addition, a full interior with 8' etched brass perforated flooring is available for \$10. Trucks with metal wheel sets are available for \$5.

The Sunshine kits use gray cast urethane parts. Kits include detailing parts (except trucks and couplers) and proprietary decals. Decals include the CTSE reporting marks, as well as MILW. Full instructions and a Prototype Data Sheet are included.

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- ___ Kit #41.1 Milwaukee 1939-40 ribbed side boxcar with *Hiawathas* slogan, wood running board, \$30.
- ___ Kit #41.2 Milwaukee 1939-40 ribbed side boxcar with *Olympian* slogan, wood running board, \$30.
- ___ Kit #41.3 Milwaukee 1939-40 ribbed side boxcar with *Hiawathas* slogan, steel running board, \$32.
- ___ Kit #41.4 Milwaukee 1939-40 ribbed side boxcar with *Olympian* slogan, steel running board, \$32.
- ___ Kit #41.0 Full simulated wood interior and casting of back side of doors with 8' etched brass perforated center flooring, \$10
- ___ Trucks #TP 40 Plastic, black, non-magnetic A.R.A. five spring trucks w/ metal wheelsets, \$5.00 w/ kit
- ___ Chalk Marks #E10 Marks from Milwaukee ribbed side boxcar photos in light gray, approximately 70 per set, \$4.00 with kit

Name _____ Street _____

City _____ State _____ ZIP _____

Add \$4.00 for shipping per five kits in U.S. (MO residents add 6.1%), Canada \$8.55 for three kits

Sunshine Models Box 4997 Springfield MO 65808-4997

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