



THE MILWAUKEE ROAD

Route of the Super Dome Hiawathas and
The Western "Cities" Domeliners

BRASS CAR SIDES

Passenger Car Parts for the Streamliners

Milwaukee Road 1947 60' Railway Post Office 2152-53 [No. 173-59 Special Order]
Milwaukee Road 1947 "Grove" Cafe-Parlor {No. 173-60}

The Milwaukee Road was unique among U.S. railroads in building most of its lightweight passenger cars in its own shops. (The Pullman-Standard sleeping cars and the Super Domes were among the exceptions.) The post-war *Hiawathas* and *Pioneer Limited* were the early beneficiaries of the new cars, but soon many of these newcomers began to support the secondary trains. The 60' postal cars 2152-53 were originally assigned to the *Morning Hiawatha* but they also operated in other trains. Over the years the "Grove" series cafe-parlors (180-185) were assigned to different trains, and two cars (182 "Union Grove" and 185 "Twin Grove") were converted into diner-lounges in 1959 for service on the *Pioneer Ltd.* In 1979, **BRASS CAR SIDES** began producing photoetched brass HO sides for the Milwaukee's post-war cars, with N-scale versions and many more prototypes coming into the catalog starting in 1995. This sheet is included with HO sides for the 60' postal cars and the "Grove" cafe-parlors.

REFERENCES

The Hiawatha Story by Jim Scribbins (University of Minnesota Press reissue)
Pullman-Standard Library Vol. 15 MILW, MKT, FRISCO, MP, KCS, DRGW (RPC)
Milwaukee Road in Color Vols. 1-4 by several authors (Morning Sun)
Milwaukee Road Color Guide to Freight & Passenger Equipment, Stauss (Morning Sun)
Milwaukee Road Remembered by Jim Scribbins (University of Minnesota Press reissue)
Some Classic Trains by Arthur D. Dubin (Kalmbach, 1964, Interurban, O.P.)
More Classic Trains by Arthur D. Dubin (Kalmbach, 1974, O.P.)
Streamliner Cars Vol. I & III P-S/Others by David Randall (RPC Pub., O.P.)
Car Names, Numbers and Consists by Robert Wayner (Wayner, O.P.)
Yahoo Group MILW which archives a pdf file of color drawings by Rick De Karske of 1947-48 *Hiawathas*. These include side illustrations in the UP scheme, with underbody and roof detail.
Walthers once produced O-scale kits for both the *Twin City* and *Olympian Hiawathas*, and we can supply photocopies of side elevation, underbody, and roof plans in exchange for a SSAE, plus one extra-ounce stamp for every three plans requested after the first three.

RECOMMENDED CONSTRUCTION TECHNIQUES

Modelers have the option of using either our Basic Body Kit No. 173-101 or the Train Station Products No. 807 PS/ACF Core Kit for the 60' postal car. However, a significant shortening the roof and floor is required for either method. The instructions enclosed with the body kits cover the basic steps for building the car body. The end castings lack the unique ribs that were a feature of the Milwaukee-built cars. Some modelers may wish to add these ribs, but most will use the ends as is. However, the kits contain vestibule (open) and non-vestibule end castings, and so a filler door must be added to the former for headend cars. (We will be happy to exchange one type of end for another if we receive a returned end and request by mail.) The TSP core kit also requires shortening, of course, but the piece that is removed from the floor should come from the center section, so as to preserve the distances from trucks to ends. Modelers can apply a mid-section floor splice or patch. The roof shortening is a simple end cut. The four brass postal doors are separate etched pieces (also available as our #302), and these may be attached by Scotch™ Magic Tape, adhesives such as GOO

or ACC, or soldered onto the rear of the side. Note that the left and right sides of this car are mirror images, so they are identical etched parts, without surface detail. Care must be used not to bend the sides at the door openings. The doors provide a good deal of reinforcement after they are installed, particularly if they are soldered.

The "Grove" cafe-parlor sides were retooled in the fall of 2008 to incorporate newly verified window and door dimensions provided by expert Milwaukee Road passenger car modeler Rich Worisek. As part of the retooling, the sides were slightly resized to work as an overlay to the Walthers *Hiawatha* cars, with the tap-lounge model providing the closest match of roof and underbody details. Modelers may also use our Basic Body Kit. In the overlay method, one trims the plastic sides to open up the window areas that match the brass sides, which can then be attached by Goo using the tacky-dry or contact method. Clear acrylic strips or other glazing material can be used to cover the windows from the inside.

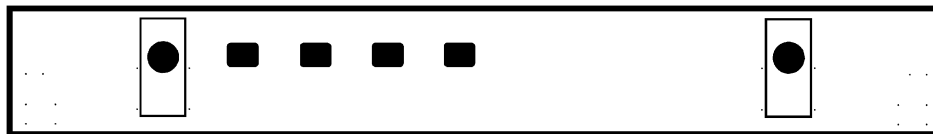
DECALS, PAINTS AND DETAIL PARTS

Paint Color	Floquil (Disc)	Scalecoat	Tru-Color	Modelflex	Polly Scale
Milwaukee Orange	110162	15 (?)	111	1642	414152
Passenger Maroon		35	110	1643	414155
Black for roofs	110017	10	10	1605	414140
UP Armour Yellow	110166	22	26	1624	414170
UP Harbor Mist Gray	110167	32	25	1625	414176

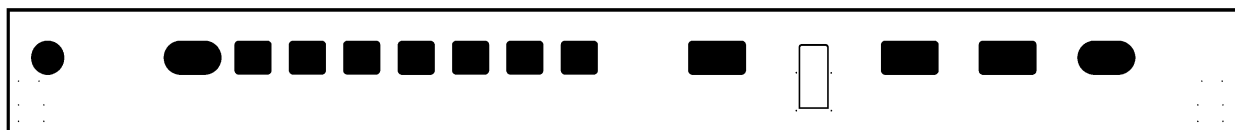
Decals: www.petescustomdecals.com. Streamstylegraphics is closed. Older options:

Decal Mfg.	Gold on Mar/Or/Mar	Mar on Or/Mar	Red on Yellow/Gray
Walthers	43820 (Olympian)	43810	43840
Walthers	43850 (Twin)	43830, 43860	
Champ	PH-54G	PH-54M	PH-113, S-89, Chartpak red 1/32" stripes

The distinctive Milwaukee Road details and the Walthers *Hiawatha* models can be hard to find, even on Ebay and swap meets. We refer the modeler to the offerings of Train Station Products (TSP), Detail Associates (DA), Eastern Car Works (ECW), Custom Finishing (CF), American Limited Models (ALM), Precision Scale (PS). The Walthers Reference Book, manufacturer web sites, hobby dealers and Yahoo groups can be useful. We call your attention to: TSP #460 underbody parts, DA #6601, -02 & -03 grabirons, CF Nos. 292 & 293 roof and underbody kits, ALM #9000 diaphragms, CS #353 genemotor, roof hatch (Styrene .015"x5.5"x4" HO). One can also salvage the Walthers *Hi* cars for parts, particularly the trucks, which are also sold separately.



#173-59 Milwaukee Road 2152-53 60' Postal Car HO sides, includes four door pieces



#173-60 Milwaukee Road 180-185 "Grove" Cafe-Parlor HO kitchen side, as retooled.

All of our catalog and modeling sheets and forms are available for downloading and printing at www.brasscarsides.com. To receive paper copies of our combined HO and N-scale catalog, reservation sheet, and current bulletin, please send a two-stamp SSAE to **BRASS CAR SIDES**, 715 South 7th St., Saint Peter, MN 56082-1435. (507) 931-2784. info@brasscarsides.com. Rev. 8-9-17