

# **ADAIR SHOPS**

## **NEW FOR 2010 & 2011**

### **RITE WEY™ H-O SCALE**

# **AFFORDABLE BRIDGE KITS**

**ALL COMPLETE WITH ABUTMENTS**

**( VISIT OUR WEBSITE FOR PICTURES )**

**Prairie Crossing & Dakota Prairie Bridges**

**Wapsi Crossing & Old Brewery Bridges**

**Little Creek & Wide Creek Bridges**

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# **STEEL BEAM LOAD KITS**

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# **STEEL PLATE LOAD KITS**

**ADAIR SHOPS 238 Second street NE MAIL: PO BOX 344, DYERSVILLE, IOWA 52040**

**TELEPHONE: 1-563-875-7663**

**E-MAIL: [adairshops@yousq.net](mailto:adairshops@yousq.net) WEBSITE: [www.adairshop.com](http://www.adairshop.com)**

PRICE LIST  
**ADAIR SHOPS™**  
**HO - SCALE AFFORDABLE, CONTEMPORARY**  
**BRIDGE KITS with ABUTMENTS**  
**STEEL BEAM LOAD KITS**  
**STEEL PLATE LOAD KITS**  
**2010 & 2011**

**THE FOLLOWING PAGES CONTAIN A COMPLETE PRICE LIST OF OUR BRIDGE KITS, STEEL BEAM LOAD KITS & STEEL PLATE LOAD KITS IN HO - SCALE.**

**PRODUCT BACKGROUND**

The Steel Beam and Steel Plate Load Kits were developed as an extension of our weight kits, to give completed cars (gondolas, flat cars, bulkhead flat cars) with the load carried, enough weight to meet NMRA weight standards. Both types of loads are based on steel products of U.S. origin, and in transit fresh from the warehouse, not having been stored outside.

A couple of the plate loads represent shipments to a remote rolling mill for conversion to steel pipe, hence no rust. The wood dunnage is included for plate separation for unloading with a crane that has fingers to grab the sheets from the side, one at a time. The best cars for these Steel Plate Loads are mill gondolas, short (40') gondolas, longer 65' mill gons, but watch the load capacities as marked on the sides of the cars. If you have a question about the actual weight of the particular load kit, e-mail us and we will give you the specifics. The early 65' mill gons from Athearn were lettered for very light loads such as an old 40' gondola would carry in the 1940's. We have not seen this on any of the other mill gons we have test built here. Our favorite mill gons are the cars from LBF--great capacity, very little overhang, and with very good handling characteristics in switching moves, plus they work very well next to an Athearn or Walthers high cube boxcar.

The beam load kits are based on steel used to be pile driven under bridge and building foundations, like skyscrapers. The beams also represent American steel, not imported steel products. Again the wood dunnage for separation assumes that the ultimate destination not another steel warehouse, but a job or transload site. The beams will be unloaded one at a time. The best car for this purpose is a Mill Gondola with the load centered inside the car. The load usually is not above the walls of the gondola, but that is not a firm rule. If part of the load does show, it usually is in a pyramid shape, i.e. tapering to the top. The second best car for these loads is a Bulkhead Flat, with the load usually centered, but not always.

The bridge kits are based on Midwest prototype bridges crossing small creeks, and generally just a short distance above the normal water level. Abutment Extension kits are available to raise the bridges to 15' clearance (enough clearance for large trucks and trailers). The Abutments represent pre-cast construction and are almost completely covered with rock from the embankment, but not ballast rock (the ballast is only part of the track and ties). The Bridge and Abutment components can be used as a work train load enroute to the construction site. For kit assembly, specific paints (paint for the first coat), and specific glues are strongly suggested. The paints and glues suggested have produced the best results, without a single subassembly failure.

The finished width of the beam portion of the bridge is a perfect match for the Bridge Track & Ties from both Micro Engineering and Walthers. All of the bridges we have observed did not have the inside guide rails, and no mainline speed restrictions. NONE of the bridges had regular ties.

The bridge components are based on Adair Shops unique THIN WEIGHT SEGMENTS that are a non-toxic industrial lead-alloy, ideally suited for model railroad use, and ready to use or build without having to cut or sand any of the parts.

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Mail: PO BOX 344 DYERSVILLE, IOWA 52040

Street Address: 238 Second Street N.E.

Telephone: 1-563-875-7663

Product Information:      Website: [www.adairshops.com](http://www.adairshops.com)      or      E-mail: [adairshops@yousq.net](mailto:adairshops@yousq.net)

# ADAIR SHOPS™ BRIDGE PRODUCTS

## AVAILABLE NOW

### AFFORDABLE & CONTEMPORARY

# COUNTRY CREEK BRIDGES

**ALL NEW, BRIDGE KITS, COMPLETE WITH ABUTMENTS**

**All Parts Ready to Paint & Assemble  
Complete With Instructions & Drawings**

<u>CODE NUMBER</u>		<u>PRICE</u>
143 - 7781	LITTLE CREEK BRIDGE 29' SPAN	\$ 21.95
143 - 7784	WIDE CREEK BRIDGE 37 1/2' SPAN	\$ 27.15
143 - 7786	PRAIRIE CROSSING BRIDGE (2 Spans) 37 1/2' ea.	\$ 33.45

#### NEW BRIDGES COMING THIS WINTER (2010/2011)

143 - 7789	OLD BREWERY BRIDGE 24' SPAN with Old Style Cut Stone Abutments	\$ 31.95
143 - 7790	WAPSI CROSSING BRIDGE 24' SPAN with Old Style Cut Stone Abutments	\$ 31.95
143 - 7791	DAKOTA PRAIRIE CROSSING (2 Spans) 25' ea. (fits Bachmann E-Z Track)	\$ 33.45

#### OTHER BRIDGE KIT PRODUCTS IN STOCK

143 - 7783	EXTENSION KIT FOR 15' ABUTMENT HEIGHT (For Little Creek & Wide Creek Bridge Kits)	\$ 5.45
143 - 7788	EXTENSION KIT FOR 15' ABUTMENT (3) HEIGHT ( For Prairie Crossing Bridge Kit - 3 abutments)	\$ 7.95
143 - 7782	ABUTMENT KIT TO TRANSFORM OUR STEEL BEAM LOAD (Kit #9526) INTO A BRIDGE (Walthers # 143-7761)	\$ 5.45
143 - 7785	BRIDGE DECK KIT ( 29' ) to fit Walthers Abutment # 933-1040	\$ 16.95
143 - 7787	BRIDGE DECK KIT (29') to fit " Chooch" Abutment # 8440 ( Walthers # 214-8440)	\$ 16.95

VISIT OUR WEBSITE FOR PICTURES [www.adairshops.com](http://www.adairshops.com)

ADAIR SHOPS™ - PO Box 344 - Dyersville, Iowa 52040

Nov. 10, 2010

# ADAIR SHOPS™

PRODUCT INFORMATION -- [www.adairshops.com](http://www.adairshops.com)

## HO-SCALE

### RITE WEY EXCLUSIVE

# STEEL BEAM

## EASY TO BUILD LOAD KITS

## WIDE - FLANGE STEEL BEAMS

### LOADS FOR MILL GONDOLAS OR BULKHEAD FLATS

CODE	Kit #	BEAM SIZE			Wt. Load	Price
07757	9522	BEAM SIZE	37½' X 2½'	(Load Wt. 69,870 Lbs.)	3.3 oz.	\$ 17.99
07760	9525	BEAM SIZE *	35½' X 4'	(Load Wt. 54,970 Lbs.)	2.4 oz.	\$ 15.99
07756	9521	BEAM SIZE	37½' X 4'	(Load Wt. 58,067 Lbs.)	2.9 oz.	\$ 16.99
07758	9523	BEAM SIZE	48' X 4'	(Load Wt. 75,100 Lbs.)	3.7 oz.	\$ 17.99
07759	9524	BEAM SIZE	48' X 5'	(Load Wt. 85,006 Lbs.)	4.7 oz.	\$ 18.99
07767	9532	BEAM SIZE	25½' X 2½'	(Load Wt. 95,022 Lbs.)	4.9 oz.	\$ 18.99
07768	9533	BEAM SIZE	48' X 2½'	(Load Wt. 89,433 Lbs.)	4.8 oz.	\$ 18.99

## HEAVY STRUCTURAL BEAMS

### LOADS FOR MILL GONDOLAS OR BULKHEAD FLATS

CODE	Kit #	BEAM SIZE			Wt. Load	Price
07761	9526	BEAM SIZE *	25' X 2½'	(Load Wt. 62,100 Lbs.)	2.9 oz.	\$ 17.99
07762	9527	BEAM SIZE	37½' X 2½'	(Load Wt. 62,100 Lbs.)	2.8 oz.	\$ 17.99
07763	9528	BEAM SIZE	49½' X 2½'	(Load Wt. 61,479 Lbs.)	2.7 oz.	\$ 16.99
07764	9529	BEAM SIZE *	25' X 4'	(Load Wt. 51,618 Lbs.)	2.2 oz.	\$ 16.99
07765	9530	BEAM SIZE	37½' X 4'	(Load Wt. 58,070 Lbs.)	2.8 oz.	\$ 16.99
07766	9531	BEAM SIZE	49½' X 4'	(Load Wt. 76,653 Lbs.)	3.6 oz.	\$ 17.99

**WIDE- FLANGE STEEL BEAMS ARE 50% WIDER THAN THE HEAVY STRUCTURAL BEAMS.**

\* - Fits Bowser GS 40' Gondola

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YES, EVEN THE GONDOLAS ( MILL GONDOLAS TOO) FROM ACCURAIL, ATHEARN, BOWSER, CON-COR, HUBER, LBF, PROTO 2000, ROUNDHOUSE, AND WALTHERS, JUST TO MENTION A FEW, CAN BENEFIT WITH THE WEIGHT FROM THE GONDOLA LOAD KITS WITHOUT THE LOAD BEING TALLER THAN THE ENDS OR SIDES. YOU CAN EVEN INSTALL A THIN WOOD FLOOR IN THE MILL GONDOLAS FROM WALTHERS AND LBF, UNDER THE LOAD WITHOUT GOING OVER THE SIDE AND ENDS. WE HAVE A METAL REPLACEMENT FLOOR AS USED ON THE PROTOTYPE CARS TO REPAIR DAMAGED INTERIOR FLOORS. THIS IS OUR WEIGHT KIT #9020BR.

- \* STEEL BEAM LOADS FOR THOSE NEW RTR GONDOLAS AND BULKHEAD FLATS.
- \* STEEL PLATE LOADS ADD WEIGHT TO RTR FLAT CARS & GONDOLAS.
- \* THIN LEAD ALLOY WEIGHTS IN HEAVY DUTY STEEL BEAM SIZES.
- \* PIECES COME TO YOU PRIMED & READY TO PAINT IN YOUR STEEL COLOR.
- \* DUNNAGE ( WOOD SPACERS ) AND STACKING / SPACING GUIDE.
- \* PRIMED BEAMS ARE CLOSE TO NON-CORROSIVE COATING COLOR.

## SUGGESTED PAINTING COLOR GUIDE

### COLORS THAT CAN BE SEEN IN YOUR PANTONE COLOR GUIDE \*

#### OBSERVED COLORS OF STEEL \*\*

#### PMS COLOR NUMBER ANY COLOR WITH ANY LOAD

5255 U -- 5405 U -- 532 U -- 5405 C -- 532 C -- 5415 U -- 539 U -- 546 U -- 5395 U -- 5477 U -- 5395 C

#### EDGE OF STEEL COLORS

PMS # 470, 471

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## EASY DARK STEEL COLOR

STEP 1 QUICK SPRAY, FLOQUIL # 130013 GRIMY BLACK

STEP 2 QUICK, LIGHT OVERSPRAY WITH WAL-MART FAST DRY SPRAY PAINT # 20012 SILVER ALUMINUM. SPRAY BEFORE BLACK IS DRY.

( THIS APPLIES ONLY TO OUR LOAD KITS WHICH COME TO YOU PAINTED WITH A LIGHT GRAY METAL PRIMER )

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\* PMS IS THE PANTONE COLOR GUIDE / MATCHING SYSTEM. THE STEEL COLORS CANNOT BE CREATED USING THE PMS COLOR FORMULAS SINCE MODELING PAINTS ARE NOT THE SAME AS THE INKS USED BY PMS, AND THE COLOR NUMBERS ARE ONLY FOR A VISUAL REFERENCE.

\*\* OBSERVED COLORS OF STEEL IN FULL SUN WITHOUT CLOUDS OR OVERCAST. STEEL LOADED ON FLAT CARS WITH COLOR CHECKS DONE ON TOP, MIDDLE, AND BOTTOM ON SUN SIDE, NOT IN SHADOWS.

THE COLORS APPLY ONLY TO THE THICKNESSES OF THE STEEL REPRESENTED BY OUR STEEL LOAD KITS. OTHER THICKNESSES OF STEEL, OR STEEL SHAPES ( PIPES ) WERE NOT CHECKED AND WE HAVE NO IDEA JUST WHAT COLOR THEY ARE.

# ADAIR SHOPS™

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## HO-SCALE RITE WEY EXCLUSIVE **STEEL PLATE** **EASY TO BUILD LOAD KITS**

### **FINISHED STEEL PLATE LOADS FOR BULKHEAD FLATS**

STEEL PLATE FOR AT LEAST 2 STACKS

CODE	Kit #			Price
07014	9504	STEEL PLATE SIZE 6' X 20'	(Load Wt. 70,272 Lbs.)	\$ 5.14
07016	9506	STEEL PLATE SIZE 5' X 20'	(Load Wt. 58,555 Lbs.)	\$ 5.14
07018	9508	STEEL PLATE SIZE 4' X 20'	(Load Wt. 93,688 Lbs.)	\$ 5.72

### **FINISHED STEEL PLATE LOADS FOR MILL GONDOLAS**

STEEL PLATE FOR AT LEAST 2 STACKS

CODE	Kit #			Price
07015	9505	STEEL PLATE SIZE 6' X 20'	(Load Wt. 46,844 Lbs.)	\$ 3.84
07017	9507	STEEL PLATE SIZE 5' X 20'	(Load Wt. 38,957 Lbs.)	\$ 3.84
07019	9509	STEEL PLATE SIZE 4' X 20'	(Load Wt. 62,379 Lbs.)	\$ 4.42

### **FINISHED STEEL PLATE**

#### **LOADS FOR MILL GONDOLAS & BULKHEAD FLATS**

STEEL PLATE FOR 2 SHORT STACKS OR 1 LONG STACK

CODE	Kit #			Price
07026	9501	STEEL PLATE SIZE 6' X 10'	(Load Wt. 70,266 Lbs.)	\$ 5.14
07027	9502	STEEL PLATE SIZE 6' X 12'	(Load Wt. 70,266 Lbs.)	\$ 5.14
07028	9503R	STEEL PLATE SIZE 5½' X 31	(Load Wt. 85,098 Lbs.)	\$ 5.72
07046	9516	STEEL PLATE SIZE 6' X 24'	(Load Wt. 94,086 Lbs.)	\$ 5.92
07047	9517	STEEL PLATE SIZE 6' X 40'	(Load Wt. 98,010 Lbs.)	\$ 5.92
07048	9518	STEEL PLATE SIZE 6' X 48'	(Load Wt. 117,615 Lbs.)	\$ 5.92
07049	9519	STEEL PLATE SIZE 5' X 48'	(Load Wt. 98,010 Lbs.)	\$ 5.92

### **SEMI FINISHED STEEL PLATE**

#### **LOADS FOR TRANSFER TO REMOTE ROLLING MILLS**

USE MILL GONDOLAS ( CLOSED ENDS & SIDES BEST )

CODE	Kit #			Price
07035	9510	THICK SLAB SIZE 6'X45'	(Load Wt. 161,160 lbs.)	\$ 5.14
07036	9511	THICK SLAB SIZE 6'X60'	(Load Wt. 214,881 lbs.)	\$ 5.72
07044	9515	STEEL PLATE SIZE 6' X 198"	(Load Wt. 97,032 Lbs.)	\$ 5.92
07043	9514R	STEEL PLATE SIZE 6' X 620"	(Load Wt. 151,287 lbs.)	\$ 7.74
07050	9520	STEEL PLATE SIZE 5' X 620"	(Load Wt. 105,500 Lbs.)	\$ 7.14

### **PAINTED STEEL PLATE LOADS**

#### **FOR MILL GONDOLAS & BULKHEAD FLATS**

CODE	Kit #			Price
		THIS KIT FITS ATHEARN & OTHER 60' MILL GONDOLAS		
00215	2050R	ATHEARN MILL GONDOLA MIXED LOAD	( Load Wt. 128,838 lbs.)	\$ 7.74
		THIS KIT FITS THE ROUNDHOUSE BULKHEAD FLAT & SOME MILL GONS		
03133	9503H	ROUNDHOUSE BULKHEAD FLAT	( Load Wt. 116,658 lbs.)	\$ 7.30
		THIS KIT FITS THE BOWSER 40' GONDOLA AND OTHER LOW SIDE GONS.		
04107	9503B	STEEL PLATE SIZE 5½' X 32'	(Load Wt. 87,843 Lbs.)	\$ 5.72

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