



Modeling Transition-Era Beet Trains & The Guadalupe Interchange

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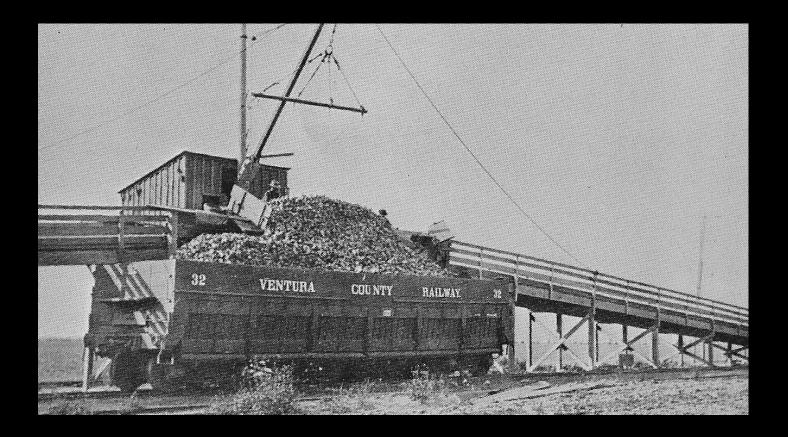


On the Lineup

- Beet Gondola Evolution
- Guadalupe Interchange
- Role of the Santa Maria Valley
- Betteravia and Union (Holly) Sugar
- Detailing the Red Caboose G-50-23
- HO Beet Loads
- Weathering Techniques



Early Beet Gons





Blackburn Patent Racks



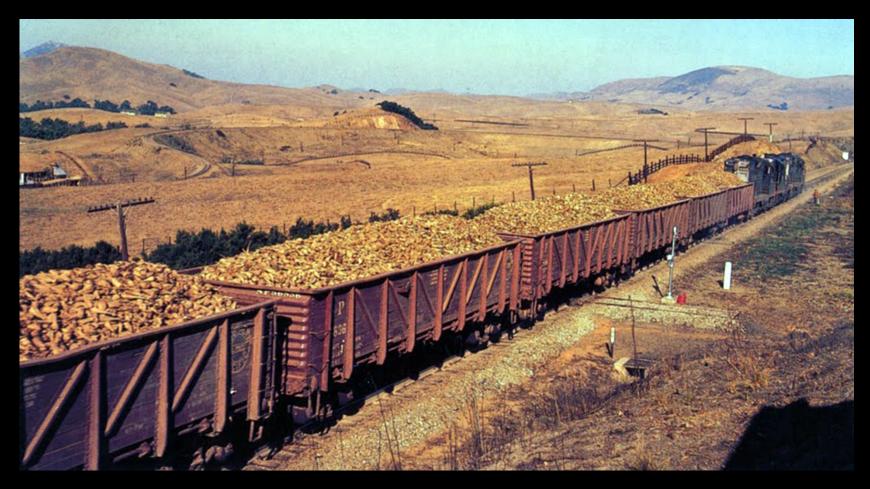


Transition to GS Gons





Composite GS Gons





Original Extensions





Three + Two Board Extensions





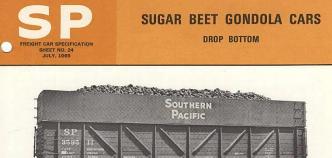
High-side Board Extensions





High-side Plywood Extensions



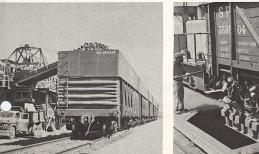


APPLICATION: Southern Pacific's fleet of over 1,500 sugar beet gondola cars is another example of meeting specific shippers' needs by modifying existing rolling stock. To develop the sugar beet gon, the sides and ends of selected drop bottom gondola cars were heightened four feet to increase loading capacities and enable shippers to take advantage of S.P.'s incentive rates, as well as reduce the number of cars needed. Sugar beet hauling on S.P. takes place wholly within California and more than 3,000,000 tons of sugar beets were carried by S.P. in 1964. Please see other side for specifications of these gondola cars.

FOR SPECIFICATIONS OF OTHER S.P. GONDOLA CARS, SEE FREIGHT CAR SPECIFICATION SHEETS NOS. 21, 22, AND 23.

Fast-loading overhead conveyor systems are a familiar sight near California sugar beet fields.

At refinery plants, beets pour quickly from both sides of car into steel-lined underground hoppers.







Guadalupe MP 276.5





Aerial View





Local Beet Traffic



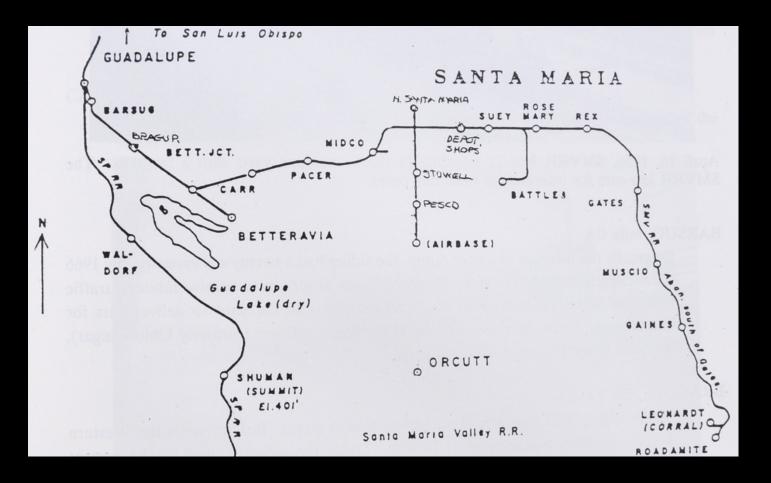


1950s Beet Nostalgia

 Imperial Valley beets were moved north April to July for Union Sugar at Betteravia. Union Sugar had a short crop moving to Betteravia in late summer from the Bakersfield area. Coast beets for Union Sugar at Betteravia ran September to the end of the year. Somis and Antelope Valley Union Sugar beets moved to Betteravia in late fall.



Santa Maria Valley RR





Union (Holly) Sugar 1897-1994





SMVRR Barsug to Betteravia





Betteravia Plant





Modeling Beet Cars!

RED CRBOOSE SOUTHERN PACIFIC General Service Titler Balo Grados Comercia Service Titler Balo Real To Real States-1918/7	RED CABOOSE BOUTHERN PACIFIC Consers Conversion Blook State Cond Days Buttin HO Scale State Cond State State Cond State State Cond State Cond State S
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RED CABOOSE POR MANA 2001 A TRAIN GOYSEY HO COMVENTION CAR SOUTHERN PACIFIC 65023 SOUTHERN PACIFIC 65023 RC-0551 4 COMPOSITE GONDOLA 10472 Made of USA	RED CABOOSE Goog General Bervice Composes of HO Scale 10NCS RCS10134 Aberle 1004 310.95 Stale
RED CHBDOSE PCR-MRA 201-6 TRAN ODYSEY HO COMVENTION GAR SOUTIENEN PACIFIC G0423 SOUTIENEN PACIFIC G0423 RC-05514 Mode In USA 16.95 Model CO	RED CABOOSE Borner Pools General Sevence Ho Scale Rec-5101-23 Reserved States States USA
RED CABOOSE TYPE 103W 10,000 GALLON TANK CAR CONOCO (T) RC-3024-4 HO 6558 Made # USA 915.95 Medic CO	RED CABOOSE Southern Pacific G50-23 General Service Compate Gendola RC-501-9 MO Scale Reservices 15001 Medie In USA 156.95 Medic CO
RED CABOOSE Type 183W 18,000 Ballon Tank Car Mobil RC-9816-2 HD 78943 813,99	RED CABDOSSE Southern Pacific 5-50-23 General Bervice Composite Gondosa RC:510-11 HO Scale RC:510-11 HO Scale Main in USA \$16.95 Million
RED CABOOSE	RED CABOOSE



Detail Upgrades





Detail Upgrades





Making Beet Loads





Ground Bean Mix

Put bean soup mix in coffee grinder





Making Loads





2" Foam





Score Using Calipers





Cut to Length Using an Electric Knife





Cut Long and Resize





Cut in Half for Two Loads





Use a Rasp to Shape





After Shaping





Painting





After Painting





Glue and Bottom Layer

Use 3M spray adhesive and apply fenugreek





Apply Powder



Fill in with bean soup mix



Anise Top Coat

Apply anise and glue with diluted Elmer's in a spray bottle. Drill holes for bracing if needed





Add Weathering





Rinse & Repeat





Photo Contributors

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