

## EQUIPMENT NEEDED FOR PURCHASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
50	111A100W1	13,000+	Phenolic Lining	Sulfuric Acid	13210
8	105J300W	20,000	1989 or newer		13301
15	111A100W1	20,000	non-coiled		13293
<b>20</b>	<b>111A100W3</b>	<b>20,000</b>	<b>Exterior Coils, Insulated</b>	<b>Magnesium Chloride</b>	<b>13337</b>
15	111A100W3	20,000	Exterior Coils, Insulated	Latex	13208
30	111A100W3	23,500	Exterior Coils, Insulated, Hazmat Equipped	Fuel Oil	13230
10-30	111A100W3	23,500	Exterior Coils, Insulated	Fertilizer	13207
<b>30-100</b>	<b>BOX</b>	<b>60'</b>	<b>Plug Doors</b>		<b>13322</b>
100	FLAT	73'	Center Beam		13320
5-20	FLAT	73'	Risers	Lumber	13241
2-3	GONDOLA	65'	Mill		13258
200	GONDOLA	4,000	Flat bottom, steel bodies		13287
<b>25-30</b>	<b>GONDOLA</b>	<b>4,200</b>	<b>Flat or tub</b>		<b>13344</b>
60	GONDOLA	6,000+	End Doors	Wood Chips	13253
40-50	HOPPER	4,000	Aluminum, Manual Gates		13319
50	HOPPER	4,000	Manual gates		13265
30	HOPPER	4,000	4 pocket, manual gates, steel bodies		13269
<b>40</b>	<b>HOPPER</b>	<b>6,500+</b>			<b>13347</b>
24	LO	3,250	286 GRL, 2 pocket, round hatches	Fly ash	13286
50-75	LO	4,750	Trough Hatches, Gravity Gates	Rock salt	13231
<b>100</b>	<b>LO</b>	<b>6,000+</b>	<b>Pneumatic Gates</b>	<b>Plastic Pellets</b>	<b>13343</b>

## HAZARDS OF THE TRANSCONTINENTAL RAILWAY

Though the United States owes a lot to growth of rail in making us what we are today, much of that growth came at a great cost. The Transcontinental Railway is a great example. In 1862 President Lincoln signed the Pacific Railroad Act intending to connect the far western US to the economies of the Midwest and East. Two rail companies were designated to complete the task. The Central Pacific Railroad would start from California and the Union Pacific would continue their lines from Nebraska, heading west. No meeting place was specified and the government offered each company \$48,000.00 and 6,400 acres of land for each mile built. This project was to be a competition.

The difficulties encountered on each side were formidable. On the eastern side, Native Americans objected to the loss of their lands and the indiscriminate slaughter of food sources, like the bison, that were required to feed the large work force. The boom towns that popped up along the rail lines further incited the tribes. Saloons and gambling halls created their issues for the workers, often resulting in risky and dangerous behaviors. Beyond seeking retribution, Native American raiding parties saw the construction crews as an irresistible source of supplies and equipment. Small scale combats and skirmishes escalated into all out war in the 1870s. Intense blizzards in the Great Plains threatened the lives of the workers every winter.

Though the West saw different obstacles, they were no less daunting. The Central Pacific had to blast tunnels through the Sierra Nevada mountain range. Using gun powder and nitroglycerine, they often cleared only one foot at a time through the granite. Explosions, frigid temperatures, snow storms and avalanches killed hundreds of workers.

On both sides, the competitive nature of this endeavor led to dangerous and shoddy construction, much of which had to be rebuilt at a later date. More than 1,200 deaths were attributed to the Transcontinental Railway, but that number may be low as a majority of the workers were immigrants or prisoners.

<https://trainsandstuff.weebly.com/>  
<http://virtualtriprailroad.weebly.com/challenges.html>  
[http://faculty.montgomerycollege.edu/youth/FP\\_examples/student\\_examples/james\\_swartz/obstacles.html](http://faculty.montgomerycollege.edu/youth/FP_examples/student_examples/james_swartz/obstacles.html)  
<https://www.worldatlas.com/articles/the-10-deadliest-construction-projects-in-the-world.html>

Items Highlighted In Italics Designate New Listings

# THE INSIDE TRACK

## RAILWAY EQUIPMENT LISTING Published By: TRANSMATRIX, INC.

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May 1, 2019

## EQUIPMENT AVAILABLE FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	LAST CONTENTS	REF #
<i>10</i>	<i>111A100W1</i>	<i>13,000</i>	<i>Recently qualified</i>	<i>Sulfuric Acid</i>	<i>13321</i>
<i>1</i>	<i>111A100W1</i>	<i>23,500</i>	<i>2 Compartment</i>	<i>Clean</i>	<i>13346</i>
90	111A100W1	23,500	263 GRL	Clean	13284
14	111A100W3	23,500	263 GRL	Clean	13313
12+	111A100W3	23,500		Various	13318
35	111A100W1	25,500	Some lined	Clean	13298
20	111A100W1	30,000		Clean	13297
50	FLAT	52'	220 GRL, bulkheads, side stakes	Logs	13299
<b>26</b>	<b>FLAT</b>	<b>85'</b>	<b>286 GRL</b>	<b>Containers</b>	<b>13341</b>
<b>25</b>	<b>FLAT</b>	<b>89'</b>		<b>Container/Piggyback</b>	<b>13339</b>
<b>100</b>	<b>GONDOLA</b>	<b>52'</b>	<b>Mill</b>		<b>13342</b>
ANY	GONDOLA	65'	263 GRL, mill		13300
115	GONDOLA	~2,400	Mill, 263 GRL		13259
400	GONDOLA	2,750	Rotary couplers, 286 GRL	Ore	13262
100	HOPPER	3,800	286 GRL, 3 pocket, steel bodies	Coal	13291
25+	HOPPER	3,830	286 GRL, manual gates	Coal	13285
200+	HOPPER	4,000	4 pocket, rotary couplers, manual gates, steel bodies		13274
38	LO	2,700	263 GRL, 2 pocket	Sand	13316
30	LO	2,980	286 GRL, 2 pocket	Sand	13302
200	LO	3,000	263 GRL, 2 pocket	Sand	13315
16	LO	4,650	286 GRL		13296
150	LO	4,750	Polyclutch Lining, Trough Hatches, Gravity Gates, 1972-73 built with extended service through 2022-23	Grain	13237
75	LO	5,400	286 GRL, trough hatches, gravity gates	Soybean meal	13289
26	LO	5,750	Trough Hatches, Gravity Gates	Malted Barley	13048
<b>28</b>	<b>PD</b>	<b>3,915</b>	<b>14.7 PSI</b>		<b>13345</b>

Items Highlighted In Italics Designate New Listings

## EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
60+	111A100W4	13,000+		Acid	13294
<b>15</b>	<b>111A100W1</b>	<b>17,500</b>	<b>Exterior coils, insulated</b>	<b>Caustic soda</b>	<b>13325</b>
5	111A100W3	18,000+		Glycerine	13254
8	105J300W	20,000	1998 or newer		13301
<b>5</b>	<b>111A100W1</b>	<b>20,000</b>		<b>Lignin</b>	<b>13329</b>
<b>15</b>	<b>111A100W1</b>	<b>20,000</b>		<b>Hydrochloric Acid</b>	<b>13324</b>
<b>20</b>	<b>111A100W3</b>	<b>20,000</b>	<b>Exterior coils, insulated</b>	<b>Magnesium chloride</b>	<b>13337</b>
20	111A100W3	20,000	Exterior Coils, insulated	Molasses	13243
1	111A100W1	23,500	Short term	Used oil	13295
<b>50</b>	<b>111A100W1</b>	<b>23,500+</b>		<b>Petroleum Products</b>	<b>13326</b>
<b>50</b>	<b>111A100W1</b>	<b>23,500+</b>			<b>13327</b>
20-40	111A100W3	23,500+	286 GRL preferred	Slurry Oil	13311
1-2	111A100W3	23,500+		Glycerine	13314
5-10	111A100W3	23,500+	286 GRL	Glycerine	13273
150	111A100W3	23,500+	CPC-1232		13277
2-3	111A100W3	25,000+	Short term	Glycols	13278
<b>3-4</b>	<b>111A100W1</b>	<b>25,500</b>		<b>Methanol / Water</b>	<b>13330</b>
5	111A100W3	25,500	Exterior Coils, Insulated	Vegetable Oil	13246
50	111A100W3	25,500+	286 GRL	Vegetable oil	13280
25+	111J100W3	25,500+		Petroleum oils	13281
1-2	111A100W1	26,500		Lube Oil	13245
200+	111A100W3	28,000+	CPC-1232		13276
<b>3-4</b>	<b>111A100W1</b>	<b>30,000</b>		<b>Ethanol</b>	<b>13331</b>
10-15	111A100W1	30,000	Hazmat Equipped, Top & Bottom Unloading	Acetone	13229
150	112J340W	33,500			13251
<b>30-100</b>	<b>BOX</b>	<b>60'</b>	<b>Plug doors</b>		<b>13322</b>
20	BOX	60'			13238
25+	FLAT	60'	Bulkhead		13292
100	FLAT	73'	Center beam		13320
100	FLAT	73'	Center beams	Lumber	13290
<b>30+</b>	<b>FLAT</b>	<b>85'+</b>		<b>Containers</b>	<b>13338</b>
40-50	HOPPER	4,000	Aluminum, manual gates		13319
10-15	LO	4,750	286 GRL	Wheat	13257

*Items Highlighted In Italics Designate New Listings*

## EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
<b>100</b>	<b>LO</b>	<b>6,500+</b>	<b>3-5 years</b>		<b>13323</b>
ANY	LO	6,200	286 GRL	Plastic Pellets	13215

## EQUIPMENT AVAILABLE FOR SALE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	LAST CONTENTS	REF #
<b>20-30</b>	<b>111A100W1</b>	<b>20,000</b>			<b>13335</b>
<b>10</b>	<b>111A100W1</b>	<b>25,500</b>	<b>Non-coiled, non-insulated</b>	<b>Clean</b>	<b>13348</b>
14	111A100W3	23,500	263 GRL	Clean	13313
<b>200</b>	<b>111A100W1</b>	<b>30,000</b>		<b>Clean</b>	<b>13334</b>
<b>100</b>	<b>111A100W1</b>	<b>31,800</b>	<b>CPC-1232</b>	<b>Crude</b>	<b>13333</b>
<b>90</b>	<b>BOX</b>	<b>50'</b>			<b>13332</b>
12	BOX	50'	220 GRL		13317
30	BOX	60'	1979 built, 220 GRL, Center Cushioned, Insulated		13226
<b>25</b>	<b>FLAT</b>	<b>89'</b>	<b>220 GRL</b>	<b>Container/Piggyback</b>	<b>13339</b>
45	GONDOLA	65'	263 GRL, mill		13312
20+	GONDOLA	2,244	Mill		13275
100-200	GONDOLA	2,750	Rotary couplers	Ore	13262
12	GONDOLA	4,170	263 GRL, tub, no bracing	Scrap	13308
15	GONDOLA	6,500	tub, extended sides	Scrap	13305
300	GONDOLA	6,700	263 GRL, twin tub		13310
10	GONDOLA	8,200	263 GRL, twin tub	Wood chips	13309
100	HOPPER	3,800	286 GRL, 3 pocket, steel bodies	Coal	13291
25+	HOPPER	3,830	286 GRL, manual gates	Coal	13285
200+	HOPPER	4,000	4 pocket, rotary couplers, manual gates, steel bodies	Coal	13274
10	HOPPER	4,200	286 GRL, aluminum	Coal	13303
200	LO	3,000	263 GRL, 2 pocket	Sand	13315
16	LO	4,650	286 GRL		13296
300	LO	4,750	Polyclutch Lining, Trough Hatches, Gravity Gates, 1972-73 built with extended service, Good through 2022-23	Grain	13235
<b>2</b>	<b>LO</b>	<b>5,300</b>	<b>Storage</b>	<b>Plastic Pellet</b>	<b>13340</b>

*Items Highlighted In Italics Designate New Listings*