

Ispro

Great Northern Railway Co.

**List of
Equipment**

No. 43

ISSUED

JULY 15, 1969

H. J. SURLES

General Superintendent Transportation

R. L. GRINDE

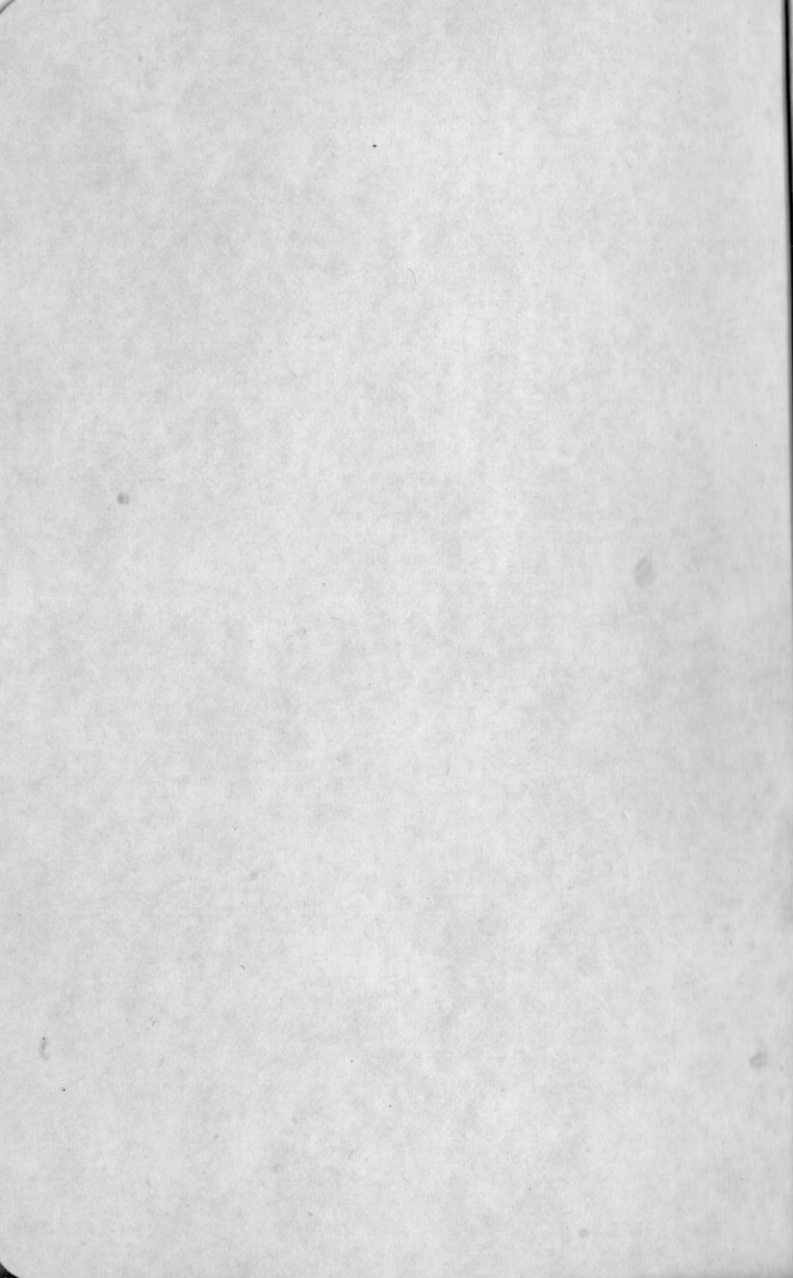
Director Train and Power Operations

J. J. BOETTNER

Director Freight Equipment

R. G. TAUSCH

Chief Mechanical Officer



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DIESEL ELECTRIC LOCOMOTIVES

Class	H.P.	Bldr.	Units
SW-1	600	E.M.D.	5
SW-2	800	E.M.D.	3
SW-4	1000	E.M.D.	51
SW-7	1200	E.M.D.	21
SW-9	1200	E.M.D.	5
SW-15	1500	E.M.D.	10
RS-2	1000	E.M.D.	10
GP-5	1350	E.M.D.	16
GP-7	1500	E.M.D.	56
GP-9	1750	E.M.D.	77
GP-20	2000	E.M.D.	36
GP-30	2250	E.M.D.	17
GP-35	2500	E.M.D.	24
U25B	2500	G.E.	24
U28B	2800	G.E.	6
U33C	3300	G.E.	15
SDP-40	3000	E.M.D.	6
SDP-45	3600	E.M.D.	8
SD-45	3600	E.M.D.	27
F-45	3600	E.M.D.	14
SD-7	1500	E.M.D.	23
SD-9	1750	E.M.D.	27
E-7	2000	E.M.D.	10
F-7-9	{ 1500	E.M.D.	79
	{ 1750		
P-3-7	1500	E.M.D.	37
		Total	607

PASSENGER EQUIPMENT

▲ Waukesha Enginator

DG—Diesel Generator

AM—Air Conditioned (Mechanical)

AS—Air Conditioned (Steam Ejector)

AW—Air Conditioned (Waukesha)

Heavyweight Equipment

Heater Cars

Numbers	Steam Generators	No. of Cars	Length Over Buffers
3DG	2-4500 #/Hr.	1	43 ft. 8 in.
4DG	1-4500 #/Hr.	1	43 ft. 8 in.
5DG	2-2250 #/Hr.	1	51 ft. 5 in.
7DG	2-2250 #/Hr.	1	44 ft. 3 in.
8 and 9DG	2-4500 #/Hr.	2	44 ft. 3 in.
10 to 19DG	2-4500 #/Hr.	10	49 ft. 6 in.

Total—16 Cars

Baggage, Mail and Express Cars

Numbers	No. of Cars	Length over Buffers	Mail Compt.	Baggage Compt.
38 to 40, 42 to 45	7	85 ft. 0 in.	60 ft. 0 in.	21 ft. 2 in.
1108	1	73 ft. 10 in.	30 ft. 2 in.	59 ft. 10 in.

Total—8 Cars

Baggage Cars

Numbers	No. of Cars	Length over Buffers
200 to 203□ (Full End Doors)	4	81 ft. 10 in.
204, 206, 207□	3	81 ft. 10 in.
220□	1	65 ft. 1 in.
221 to 225□	5	74 ft. 4 in.
226, 228□	2	74 ft. 5 in.
231, 234□	2	65 ft. 1 in.
235□	1	74 ft. 5 in.
237□	1	64 ft. 2 in.
241□	1	65 ft. 1 in.
243, 244□	2	64 ft. 2 in.
246 to 249□	4	74 ft. 5 in.
251□	1	74 ft. 5 in.
253 to 258□	6	64 ft. 8 in.
262 to 265□	4	73 ft. 10 in.
266, 267	2	73 ft. 10 in.
268, 269 (FULL END DOORS)	2	73 ft. 10 in.
270 to 272	3	73 ft. 10 in.
273 to 276	4	79 ft. 2 in.
277, 278, 279	3	72 ft. 10 in.
280	1	85 ft. 0 in.
301, 303 to 307□ (306 and 307 have Bonded Compartment)	6	83 ft. 10 in.
308 to 313□	6	81 ft. 10 in.
315 to 317□	3	83 ft. 4 in.
318, 319□	2	83 ft. 11 in.
320, 321□ (Bonded Compartment)	2	83 ft. 11 in.
322, 323□	2	74 ft. 4 in.
324□	1	74 ft. 4 in.
473, 474□ (Note)	2	84 ft. 0 in.
475 to 486□ (Note)	12	82 ft. 4 in.
487, 488, 490, 491□	4	82 ft. 11 in.
492, 493, 495□	3	81 ft. 11 in.
1100, 1103 to 1107	6	81 ft. 11 in.

Total 101 Cars

(Note) Car Nos. 473 to 483 have rider compartment.

Baggage-Dormitory Cars

Numbers	No. of Cars	Length over Buffers
1200, 1201, 1203 to 1205AM	5	85 ft. 0 in.
Total—5 Cars		

Passenger Box Cars

Numbers	No. of Cars	Length over Strikers
2527 to 2544, 2546 to 2549	22	41 ft. 9 in.
2600 to 2615, 2617 to 2647, 2649	48	52 ft. 7 in.

Total—70 Cars

Baggage and Passenger Cars

Numbers	No. of Cars	Length over Buffers	Baggage Space	Seating Capacity
571□	1	70 ft. 1 in.	26 ft. 2 in.	40
585□	1	70 ft. 5 in.	29 ft. 11 in.	28
590□	1	70 ft. 5 in.	29 ft. 11 in.	28

Total—3 Cars

Motor Cars

Nos.	En- gine	No. of Cars	Horse Power	Length Over Buffers	Class	Mail Com.	Bag- gage Com.	Seat- Capa- city
2350DG, AM, (Budd RDC)	Diesel	1	600	85'- 0"	B&P	None	33'- 0"	45

Total—1 Car

Coaches

Numbers	No. of Cars	Length over Buffers	Seating Capacity
938, 939, 941, 943, 947□ AM	5	84 ft. 2 in.	58
944, 945□ AM	2	84 ft. 2 in.	44
1000 to 1010	11	85 ft. 0 in.	44
1072 AS	1	85 ft. 0 in.	56
1075 AW	1	85 ft. 0 in.	64
1076 to 1082, 1086 to 1099 AW	21	82 ft. 6 in.	56
1110 to 1113, 1115 to 1118 AM	8	85 ft. 0 in.	60
1120 to 1124, 1126 to 1135 AM	15	85 ft. 0 in.	48
1137 to 1139 AM	3	85 ft. 0 in.	60
1147 AM	1	85 ft. 0 in.	68
1209, 1210, 1212 to 1214▲ AM	5	85 ft. 0 in.	60
1215 to 1218, 1221 to 1232 AM	16	85 ft. 0 in.	48
1300 to 1304 AM	5	85 ft. 0 in.	68

Total—94 Cars

Dome Coaches

Numbers	No. of Cars	Length over Buffers	Seating Capacity
1320 to 1331 AM (Reclining Seats)	12	85 ft. 0 in.	24 Up } 70 46 Dn }
Total—12 Cars			

Dining Cars

Numbers	No. of Cars	Length over Buffers	Seating Capacity
1150 to 1155 AM (Note)	6	85 ft. 0 in. 12 Large Tables	48
1156 AW	1	85 ft. 0 in. 12 Large Tables	48
1251 to 1255 GM # AM	5	85 ft. 0 in. 10 Large, 2 Small Tables	44
Total—12 Cars			

(Note) Car 1155 is cafeteria car—seating cap. 44.

Lunch-Dormitory Cars

Numbers	No. of Cars	Length over Buffers	Seating Capacity
1140, 1141, 1143, 1144, 1148 AM	5	85 ft. 0 in.	21
Total—5 Cars			

Sleeping Cars

(For List of Car Names and Numbers, see page 10)

Numbers	No. of Cars	Length over Buffers	Seating Capacity
1160 to 1166, 1168, 1169, 1180 AM (4 Sect., 4 B.R., 8 Dupl. Rm.)	10	85 ft. 0 in.	24
1170 to 1173 AM (4 B.R., 16 Dpl. Rm.)	4	85 ft. 0 in.	24
1181 to 1184, 1186, 1188 AM (4 B.R., 16 Dupl. Rm.)	6	85 ft. 0 in.	24
1260, 1262, 1263, 1264, 1274 AM (7 Dup. Rm., 6 B.R., 1 Compt.)	5	85 ft. 0 in.	22
1261, 1265, 1267, 1268 AM (4 Sect., 7 Dupl. Rm., 1 Compt., 3 B.R.)	4	85 ft. 0 in.	23
1270 to 1272 AM (4 Sect., 7 Dupl. Rm., 1 Compt., 3 B.R.)	3	85 ft. 0 in.	23
1370, 1372 to 1374, 1380, 1381, 1383, 1384 AM (6 Rmts., 2 Compt., 5 B.R.)	8	85 ft. 0 in.	20
1375 to 1377, 1379 AM (6 Rmts., 2 Compt., 5 B.R.)	4	85 ft. 0 in.	20
Total—44 Cars			

Observation-Lounge Cars

Numbers	No. of Cars	Length over Buffers	Seating Capacity
1290, 1292 to 1295▲ AM	5	85 ft. 0 in.	32
Total—5 Cars			

Coach-Diners

1073, 1074 AS	2	85 ft. 0 in.	56
1145, 1146 AM	2	85 ft. 0 in.	52
Total—4 Cars			

Parlor-Observation Cars

1195, 1196 AM	2	85 ft. 0 in.	20
Total—2 Cars			

Lounge-Diner-Coffee Shop

1240 to 1242, 1244, 1245 AM	5	85 ft. 0 in.	44
Total—5 Cars			

Dome-Lounge Cars

1390 to 1394 DG AM	5	85 ft. 0 in.	74 Up } 34 Dn } 108
Total—5 Cars			

Sleeper-Observation-Lounge

Numbers	No. of Cars	Length Over Buffers	Seating Capacity
1198 AM (2 B.R., 8 Dupl. Rm. Buffet-Lge.)	1	85 ft. 0 in.	12 Slpr. } 12 Din. } 36 12 Lge. }
Total—1 Car			

Sleeping Car Names and Numbers

1160—Gunsight Pass	1261—Sun River
1161—Ptarmigan Pass	1262—Snohomish River
1162—Dawson Pass	1263—Milk River
1163—Piegan Pass	1264—Bad Axe River
1164—Logan Pass	1265—Chumstick River
1165—Triple Divide Pass	1267—Skagit River
1166—Lincoln Pass	1268—Mouse River
1168—Red Gap Pass	1270—Tobacco River
1169—Swift Current Pass	1271—Fraser River
1170—Blackfoot Glacier	1272—Spokane River
1171—Ahern Glacier	1274—Bois de Sioux River
1172—Grinnell Glacier	1370—Rogers Pass
1173—Hanging Glacier	1372—Akamina Pass
1180—Stevens Pass	1373—Santiam Pass
1181—Kintla Glacier	1374—Park Creek Pass
1182—Agassiz Glacier	1375—Jefferson Pass
1183—Hudson Glacier	1376—Hart Pass
1184—Chaney Glacier	1377—State Pass
1186—Pumpelly Glacier	1379—Big Horn Pass
1188—Two Ocean Glacier	1380—Suiattle Pass
1198—Manitoba Club	1381—Haines Pass
1260—Skykomish River	1383—Inuya Pass
	1384—Lewis & Clark Pass

Business Car Pool

Numbers	Length over Buffers	Numbers	Length over Buffers
A-1 <input type="checkbox"/> AM ▲	87 ft.		3 in.
A-2 ▲ AW	85 ft.		0 in.
A-3 <input type="checkbox"/> AM ▲	87 ft.		3 in.
A-4 AW ▲	85 ft.		0 in.
A-5 <input type="checkbox"/> AW ▲	84 ft.		6 in.
A-6 <input type="checkbox"/> AW	84 ft.		7 in.
Total—6 Cars			

Railway Service Cars

Numbers	Length over Buffers
B-1▲ □ AW (Air Brake Instruction)	83 ft. 2 in.
B-4▲ □ AW (Safety Instr. Car)	82 ft. 4 in.
B-5 DG □ AW (Rules Instruction)	82 ft. 4 in.
X-7853□ AW (Rules Instruction)	83 ft. 11 in.
 Total—4 Cars	

SUMMARY

Passenger Cars

Class	Non-Air Conditioned	Air Conditioned	Total
Heater Cars	16		16
Baggage, Mail Cars	8		8
Baggage Cars	101		101
Baggage Dormitory Cars		5	5
Passenger Box Cars	70		70
Baggage and Passenger Cars	3		3
Motor Cars		1	1
Coaches		94	94
Dome Coaches		12	12
Dining Cars		12	12
Lunch Dormitory Cars		5	5
Sleeping Cars		44	44
Observation Lounge Cars		5	5
Coach Diners		4	4
Parlor Observation Cars		2	2
Lounge-Diner-Coffee Shop		5	5
Dome Lounge Cars		5	5
Sleeper-Observation-Lounge		1	1
Business Cars		6	6
Railway Service Cars		4	4
	198	205	403

FREIGHT EQUIPMENT

Box Cars—40 Ft.

SINGLE DOORS

	Numbers		Car Code	Door	*Inside Dimensions			*Cubic City	Lbs. Capacity	No. of Cars	
	From	To			L.	W.	H.				
.....	2500		B2	6'	40	6	9 2	10 0	3727	100000	1
.....	2527	2649	BP						(See Passenger Equipment)		
Plug Door (Grain)	4400	4699	BG	10'	40	6	9 2	10 1	3773	110000	298
.....	4700	4723	B2	6'	40	6	9 2	10 0	3727	100000	24
.....	5000	5499	B2	6'	40	6	9 2	10 6	3900	100000	275
Plug Door	5109	5215	BG	9'	40	6	9 4	10 6	3966	100000	2
Plug Door	5455	5462	BG	6'5"	40	6	9 4	10 6	3966	100000	2
.....	5500	6499	B2	6'	40	6	9 4	10 6	3966	100000	951
.....	10000	11874	B2	6'	40	6	9 2	10 0	3715	100000	1285
.....	18000	20499	B2	6'	40	6	9 2	10 0	3715	100000	2316
.....	20500	21939	B2	6'	40	6	9 2	10 6	3900	100000	917
Roof Hatches (4)	21950	21961	BS	6'	40	6	9 2	10 0	3712	100000	10
.....	27000	27799	B2	6'	40	6	9 2	10 1	3763	100000	765
(Note 1)	31000	31499	B2	6'	40	6	8 6	9 0	3098	100000	76
.....	32000	33999	B2	6'	40	6	9 2	10 0	3769	100000	1754
.....	34000	34999	B2	6'	40	6	9 2	10 1	3763	100000	950
Note 2	44025	52999	B2	6'	40	6	9 2	10 0	3727	100000	977

NOTE 1:—14 Cars in series 31000 to 31499 equipped for Hide Loading. Car Code BS

NOTE 2:—Cars 47995 and 50068 equipped for Coke Loading. Car Code BS

Total—10,603 Cars

Loader Equipped Cars—SINGLE DOORS

DF2 Plug Door	4200	4399	BD	10'	40	6	9 2	10 1	3773	110000	199
DF2 (Plug Door)	6500	6699	BD	10'	40	6	9 9	10 1	3900	110000	195
DF2 Belts Plug	6700	6924	BD	10'	40	6	9 2	10 6	3900	110000	224
DF2 Belts Plug	7000	7199	BD	10'	40	6	9 2	10 6	3900	110000	200
DF-2 Loaders	39392	39399	BD	8'	40	6	9 2	10 6	3900	100000	8
Cushioned Tri Belt Loaders	39400	39407	BD	8'	40	6	9 2	10 6	3900	100000	8
Cushioned DF-2 Loaders	39408	39414	BD	8'	40	6	{9 2} {9 4}	10 6	{3900} {3966}	100000	6
DF-2 Loaders	39415	39449	BD	8'	40	6	{9 2} {9 4}	10 6	{3900} {3966}	100000	32
Cushioned Car Pak— Loaders	39700	39749	BD	9'	40	6	9 4	10 6	3970	100000	49
DF-2 Loaders Cushioned	39990	39999	BD	8'	40	6	9 2	10 6	3900	100000	10

Total—931 Cars

DOUBLE DOORS

.....	3000	3499	B8	15'	40	6	9 2	10 6	3890	100000	479
.....	3500	3999	B8	12'	40	6	9 4	10 6	3972	100000	480
.....	4000	4199	B8	12'	40	6	9 2	10 1	3763	100000	183
Plug	11875	11887	B6	12'3"	40	6	9 4	10 6	3972	100000	13
Plug	12000	13499	B6	12'3"	40	6	9 4	10 6	3972	100000	1204
.....	14000	14499	B8	12'6"	40	6	9 2	10 5	3940	100000	383
.....	15000	15549	B8	12'	40	6	9 2	10 0	3720	100000	525
.....	29001		B8	20'	40	6	8 8	10 6	3665	100000	1
.....	38700	38799	B8	14'	40	6	9 2	10 8	3969	100000	96

Total—3,364 Cars

Grand Total—14,898 40' Cars

FREIGHT EQUIPMENT—Cont.

Box Cars—50 Ft.

SINGLE DOORS

	Numbers		Car Code	Door	*Inside Dimensions			*Cubic Capa- city	Lbs. Capa- city	No. of Cars
	From	To			L. ft. in.	W. ft. in.	H. ft. in.			
Cushioned Plug	36800	36999	B5	9'	50 6	9 4	10 5	4940	140000	198
.....	39000	39339	B3	8'	50 6	9 2	10 1	4681	100000	187
.....	42000	42899	B1	6'	50 0	9 2	10 0	4583	100000	55
Cushioned Plate "C"	138000	138099	B5	10'	50 8	9 5	11 1	5330	154000	100
Plug Cushion Plate "C" ..	138100	138399	B5	10'	50 8	9 5	10 11	5350	154000	297
Total—837 Cars										

Loader Equipped Cars—SINGLE DOORS

DF Loaders ...	39340	39370	BE	8'	50 6	9 0	10 1	4614	100000	20
Car-Pak Loaders ...	39450	39499	BE	8'	50 6	9 0	10 1	4614	100000	45
DF2 Loaders Cushioned ..	39500	39699	BE	9'	50 6	9 4	10 6	4940	140000	196
Cushion Plate "C"										
DF2 Loaders	39800	39899	BE	10'	50 6	9 4	10 5	4940	154000	95
Plug, DF-2 Belts Cushion Plate "C" ..	137000	137499	BE	10'	50 8	9 5	10 11	5266		500
Plug, Car Pac Loaders Cushion, Plate "C" ..	138700	138849	BE	10'	50 8	9 5	10 11	5266	143000	150
Plug, Car Pac Belts Cushion, Plate "C" ..	138850	138999	BE	10'	50 8	9 5	10 11	5266		150

*—There are slight variances in dimensions and cubic capacity in some series. Refer to Official Railway Equipment Register for details.

Total—1,156 Cars

Insulated Box Cars—SINGLE DOORS

(Note)

200000	200074	R5	10'	50 2	9 3	10 8	5017	140000	71
200075	200079	R5	12'2"	50 1	9 3	9 11	4646	140000	5
200080	200129	R5	10'6"	50 2	9 4	10 8	5046	140000	49
200130	200179	R5	10'6"						

NOTE:—All 50 Ft. Insulated Box Cars Are Equipped With Plug Doors, Cushion Underframe, Load Dividers and Are To Plate "C" Clearances. Cars 200000 to 200024 and 200080 to 200129 have 2 Side Wall Fillers Per Car; 200075 to 200079 have 4 Side Wall Fillers; 200025 to 200074 and 200130 to 200179 Not Equipped.

NOTE:—Series 200031 to 200074, 32 Cars (scattered numbers) Equipped With Evans Air Pac Load Divider.

Car 200040 Equipped With Air Pac Load Divider and Aeroquip Shock Absorbing Bulkhead.

Total—174 Cars

FREIGHT EQUIPMENT—Cont.

Box Cars—50 Ft. DOUBLE DOORS

.....	17300	17999	{B5	12'	50	6	9	2	10	0	4630	100000	389
.....	29000		{B5	12'	50	6	9	2	10	6	4860	100000	290
.....	35000	35999	B7	22'	50	6	9	2	10	0	4629	100000	1
Plug	36000	36749	B7	15'	50	6	9	4	10	6	4933	100000	957
Plug	36750	36773	B5	14'	50	6	9	4	10	5	4928	140000	23
Plug	37000	37549	B5	14'	50	8	9	5	10	7	5102	140000	537
Plug	37550	37899	B5	14'	50	8	9	5	10	7	5102	154000	347
Plug	38000	38299	B5	14'	50	8	9	5	10	11	5350	154000	297
(Note 1)	38800	38849	B7	15'	50	6	9	2	10	6	4862	100000	40
.....	40000	40099	B7	15'	50	6	9	2	10	1	4681	100000	58
Note: 1	40100	40299	B7	15'	50	6	9	2	10	6	4862	100000	70
.....	41525	41999	B7	12'1"	50	0	9	2	10	0	4583	100000	25
.....	43500	43999	B7	12'	50	6	9	2	10	0	4629	100000	23
Plug	138400	138699	B5	14'	50	8	9	5	10	11	5350	146000	298

Total—4,066 Cars

Grand Total—6,233 50' Cars

*—There are slight variances in dimensions and cubic capacity in some series.
Refer to Official Railway Equipment Register for details.

Box Cars—60 FT. SINGLE DOORS

Cushioned Plate "C"	139500	139507	BF	10'	60	8	9	4	11	4	6564	154000	8
DF-2 Loader	139500	139507	BF	10'	60	8	9	4	11	4	6564	154000	8
Total—8 Cars													

Insulated Box Cars—60 Ft. SINGLE DOORS

Plug DF 2 Loader Cushioned Plate "C"	210000	210099	R9	10'6"	60	4	9	4	10	8	6070	170000	100
Total—100 Cars													

Box Cars—60 Ft. DOUBLE DOORS

Cushioned Plate "C"	139000	139049	B9	16'	60	9	9	2	10	9	6340	183000	46
Total—46 Cars													
Grand Total—154 60' Cars													

Stock Cars

	Numbers		Inside Dimensions			Cubic Capa- city	Lbs. Capa- city	No. of Cars			
	From	To	L. ft. in.	W. ft. in.	H. ft. in.						
Double Decks	53000	53099	40	5	9	5	10	6	3038	80000	89
Doub. Deck, Doub.	53100	53245	40	6	9	0	10	1	3686	80000	142
Double Deck Door, Shutters	54000	54124	40	6	9	0	10	1	3686	80000	73
.....	55200	55399	40	5	8	6	9	0	3098	70000	198
(Double Deck)	55400	55400	40	5	8	5	10	0	3412	80000	1
.....	55401	55450	40	5	8	6	9	0	3098	70000	50
.....	55500	55599	40	5	8	5	9	0	3083	80000	99
.....	55600	55749	40	5	9	0	10	6	3829	80000	50
.....	55750	56248	40	5	8	5	9	0	3083	80000	487
.....	56250	56469	40	6	9	0	10	1	3686	80000	215
Double Deck	153000	153004	50	0	9	2	10	0	4583	80000	5
.....	156000	156004	50	0	9	2	10	0	4583	80000	5
Plate "C"	157000	157025	60	11	9	0	10	1	5500	100000	26

Total—1,440 Cars

FREIGHT EQUIPMENT—Cont.

Well Flats

Cushioned, Depressed Center Flats	60024	42 0	10 0	4 0	100000	1
	60040 60042	52 0	9 11	3 9	180000	3
Total—4 Cars						

TOFC Flats

	Numbers		Inside Dimensions			Cubic Lbs. Capa- city	No. of Cars
	From	To	L. ft. in.	W. ft. in.	H. ft. in.		
	60060	60096	53 6	10 6	3 9	100000	37
	60200	60344	53 6	10 6	3 9	100000	144
	61000	61009	85 0	8 2	3 5	140000	9
TOFC-COFC Cushioned	61525	61534	89 4	9 0	3 5	148000	10
Total—200 Cars							

Flat Cars

	60000	60033	42 0	10 0	4 0	100000	5
Cushioned Plate "C" Airplane Parts	60700	60711	59 6	10 6 10 9 11 6	3 6	154000	12
Cushion, Air Plane Parts, Exceed Pl. "C"	60712	60726	59 6	10 6 10 9 11 6	3 6	150000	15
Cushion, Air Plane Parts, Exceed Pl. "C"	60727	60746	59 6	10 6 10 9 11 6	3 6	150000	20
Cushioned Pole Loading	61010	61012	89 0	7 2	3 6	140000	3
Pole Loading Cushion Plate "C"	61013		89 4	7 2	3 6	140000	1
Pole Loading Plate "C"	61025	61049	89 1	8 6	3 6	180000	25
CLEJAN (W. Racks)	61500	61524	89 0	8 4	3 1	140000	23
	64000	64096	41 4	9 2	3 7	80000	5
Implements	64400	64403	52 0	9 1	3 10	100000	4
Articulated	64500	64564	89 10	9 1	3 11	200000	65
Articulated	64900	64914	89 10	9 4	3 11	200000	15
Note 1 (All Welded)	65000	65499	52 0	9 6	3 8	100000	293
Cast Steel (All Welded)	65500	65699	53 6	10 6	3 9	100000	18
	65700	65749	51 11	9 4	3 8	100000	50
Note 2 & 3	66000	66249	52 0	10 4	3 7	140000	227
	66006	66207	52 0	10 4	3 7	180000	2
	67000	67549	50 0	8 10	3 8	100000	365
Anode Loading Plate "C"	67600	67643	43 0	10 2	7 1	154000	21
Cushioned	161000	161299	59 2	9 4	3 8	154000	299
Notes 4 & 5							
Total—1,468 Cars							

Note 1—Car 65039 has bulkheads.

Note 2—Twenty-four cars in series 66000 to 66249 (Scattered Numbers) are equipped for loading aluminum billets.

Note 3—Load Limit 140,000.

Note 4—Cars 161033, 161089, 161101, 161191 have steel decks for canopy mounting in handling airplane parts.

Note 5—Cars 161036, 161119 are equipped with steel unit type stakes for pole loading.

FREIGHT EQUIPMENT—Cont.

Bulkhead Flat Cars

	Numbers		Inside Dimensions			Cubic Capa- city	Lbs. Capa- city	No. of Cars
	From	To	L. ft. in.	W. ft. in.	H. ft. in.			
Bulkh.								
Cushion								
Cast Steel	60400	60424	48 6	10 0	8 6	.....	154000	25
(Cast Steel) (Bulk- head)	60498	60499	50 3	10 6	3 5	.....	140000	2
(Cast Steel) (Bulk- head)	60500	60529	48 8	10 6	3 5	.....	100000	30
(Cast Steel) (Bulk- head)	60530	60549	48 9	10 6	3 5	.....	100000	20
	60550	60569	48 9	10 6	3 5	.....	100000	20
Cushion								
Bulkhead								
All Welded	60680	60686	46 0	10 0	4 3	.....	140000	6
Cushioned								
Granite Loading	60690	60699	49 4	9 9	4 4	.....	140000	10
Bulkhead, Cushioned—								
Cast Steel								
Plate "C"	160000	160059	55 5	9 4	10 0	.....	140000	60
Cast Steel (Bulk- head) Cushioned	160100	160129	48 7	9 4	8 6	.....	180000	30
Bulkhead (Cast Steel)	160130	160139	48 7	9 4	8 6	.....	180000	10
Bulkhead (Cast Steel) Cushioned	160140	160169	48 6	9 4	8 6	.....	180000	30
Bulkhead (Cast Steel) (Cushioned)	160300	160324	56 8	9 4	8 6	.....	180000	25
Bulkhead, Cushion	160325	160374	56 8	9 4	10 6	.....	190000	50
Bulkhead Cushioned	160500	160509	61 0	9 2	10 7	.....	180000	10
Bulkhead Cushioned	160510	160534	58 6	9 1	10 7	.....	180000	25
Bulkhead Cushioned	160535	160539	70 0	8 10	10 7	.....	180000	5
Bulkhead (Cast Steel) (Cushioned)	160700	160744	56 8	9 4	8 6	.....	154000	45
Plate "C"								
Bulkhead Cushioned	161300	161399	56 8	9 4	10 6	.....	154000	100
Bulkhead Cushion	161400	161499	56 8	9 4	10 6	.....	150000	100
Total—603								

Trailer Train Flats

We have 599 TTX 85 ft. and 89 ft. flats under lease of which 299 (I—85' and 298—89') are equipped with Tri Level Racks and 118 (7—85' and 111—89') with Bi Level Racks, and 182 in TOFC service.

Logging Flats

.....	68500	68599	43 0	8 10	3 8	.....	100000	100
.....	69300	69424	41 4	9 10	3 8	.....	80000	10

FREIGHT EQUIPMENT—Cont.

Logging Flats—Cont.

	69425	69464	48	3	9	6	4	6	100000	40
	69465	69494	41	4	9	6	4	6	80000	29
	69495		48	3	9	6	4	6	100000	1
	69500	69999	43	0	8	10	3	8	100000	110*

*(W/Log Bunks 88 Cars, w/o Log Bunks 22 Cars)

Total—290 Cars

Airslide Hoppers

Twin Hop.	71659	71699	48	11	9	11	4180	190000	41
Single Hop.	71770	71784	29	6	9	11	2600	140000	15
Twin	71785	71794	44	11	9	11	4180	188000	10
Twin	71795	71819	48	11	9	11	4180	188000	24
Single Hop.	71820	71839	29	6	9	11	2600	140000	19
Single Hop.	71840	71859	29	6	9	11	2600	140000	20
Single Hop.	71860	71899	29	6	9	11	2600	140000	39
Single Hop.	71900	71909	29	6	9	11	2600	100000	10
Single Hop.	71910	71949	29	6	9	11	2600	100000	39

Total—217 Cars

Covered Hoppers

Twin	71000	71099	29	3	9	5	1958	140000	94
Twin	71100	71199	29	3	9	5	1958	140000	98
Twin	71200	71404	29	3	9	5	1958	140000	199
Twin	71405	71504	29	3	9	9	2006	140000	100
Triple Hopper (Note)	71505	71579	41	1	9	11	3215	140000	74
Six Hop. Aluminum	71580	71593	43	1	10	7	4000	180000	14
Six Hop. Aluminum	71594	71618	43	1	10	7	4000	180000	22
Triple Hopper (Note)	71700	71739	46	0	9	11	4000	180000	39
Triple Hopper	71740	71769	46	0	9	11	4000	200000	27
(Note) ¹ (Note) ²	71950	71999	41	0	9	5	2893	140000	49
	73765	73794	23	9	9	5	1000	100000	27
Zinc Loading	73985	73999	23	9	9	5	1000	100000	15
Triple Hopper	170000	170299	49	9	10	7	4650	198000	300
	170995	170999	41	3	10	7	4000	200000	5
Six Hop. Steel	171000	171049	41	3	10	7	3960	200000	50
Triple	171050	171099	50	0	9	11	4500	198000	49
Plate "C" Triple	171100	171149	49	9	10	7	4650	196000	49
Plate "C" Triple	171150	171249	49	9	10	7	4650	196000	98
Plate "C" Quad	171250	171449	53	3	10	7	5250	193000	199
Triple Hopper	171500	171699	54	6	10	0	4740	200000	197
Cov. Hop.	171700	171999	49	9	10	7	4650	200000	298
Triple Hop. Alum.	172000	172099	54	1	9	10	4750	200000	99
(Leased)									
Triple Hopper	172100	172399	54	6	10	0	4740	198000	298
	172400	172699	54	6	10	0	4750	198000	296
	173800	173999	34	9	10	7	2970	200000	199

Total—2895 Cars

Note¹: 10 cars in each series have pneumatic unloaders.

Note²: 25 cars (71950 to 71974) have 180000# capacity trucks.

Hopper (General Service)

(Door Lengthwise)	72000	72499	41	0	9	5	4	3	1932	100000	281
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(Some Cars Have High Sides)

Total—281 Cars

Hopper (all steel)

Triple	70000	70399	42	10	9	7	2750	140000	400
Quad	70400	70499	47	11	9	9	3483	198000	100
Triple	70500	70568	40	7	9	7	2700	154000	69
	70800	70949	42	10	9	7	2750	140000	150
Twin	73000	73199	29	10	9	5	1622	100000	17

FREIGHT EQUIPMENT—Cont. Hopper (All Steel)—Cont.

Twin.....	73200	73699	34	9	10	1	2169	100000	473
	73700	73764	25	6	9	6	1253	100000	39
Total—1,248 Cars									

Gondola

Pulpwood									
Bulkhead.....	72039		40	6	9	5	3	5	1608 110000 1
Mill.....	72500	72749	41	6	9	6	4	7	1807 140000 208
Container.....	72750	72773	41	6	9	6	4	7	1807 140000 24
Mill.....	72800	72999	52	6	9	6	4	0	1995 140000 145
Mill (Note) ²	73850	73877	52	6	9	6	4	0	1995 140000 28
.....	74000	74199	40	2	9	7	5	2	1910 100000 3
.....	74500	74999	40	6	9	6	5	4	2048 100000 367
.....	75000	75499	40	6	9	6	5	4	2048 100000 364
(All Welded)									
(Note) ¹	75500	75999	40	0	9	6	5	1	1962 100000 219
.....	76000	76749	40	0	9	6	5	0	1908 100000 45
(All Welded).....	76750	76949	40	6	9	6	5	4	2038 100000 125
.....	77250	77490	40	0	9	6	5	6	2124 140000 29
Mill.....	78400	78599	52	6	9	6	4	6	2240 154000 200
Mill.....	78600	78799	52	6	9	6	4	6	2240 154000 200
Mill.....	78800	78899	52	6	9	4	4	0	2000 154000 100
Mill.....	78900	78999	52	6	9	6	4	0	1995 154000 99
Mill.....	79000	79024	65	5	7	9	3	6	1775 140000 25
Mill.....	79025	79049	65	5	7	9	3	6	1748 140000 24
Mill.....	79050	79099	65	5	7	9	3	5	1748 190000 50
.....	79900	79959	40	0	9	6	5	1	1962 110000 60
Fine Coal									
Loading.....	270000	270199	40	6	9	6	5	4	2048 110000 66
Total—2,382 Cars									

Note¹: 7 cars have side boards—2677 cu. ft. capy.

Note²: 28 cars have permanent blocking for billet loading.

Covered Gondolas

.....	73799		65	5	7	9	3	6	1748 140000 1
Movable Bulkheads.....	73800	73824	52	6	9	6	4	0	1995 180000 25
Total—26 Cars									

Multi-Service Hopper

All Steel.....	70600	70799	48	1	9	7	3650	188000	200
(All Steel).....	78000	78299	40	8	10	1	2505	140000	293
Total—493 Cars									

Wood Chip Cars

.....	74200	74220	40	4	9	4	11	0	4322 100000 21
.....	74221	74234	50	0	9	2	10	0	4583 100000 60
.....	74285	74294	40	4	9	4	11	0	4322 100000 10
.....	74295	74359	50	0	9	2	10	0	4583 100000 61
.....	74400	74404	40	4	9	4	11	0	4322 100000 5
.....	74405	74434	39	11	9	5	11	0	4185 100000 30
.....	74435	74444	39	10	9	5	11	0	4164 110000 10
Wood Chip									
Plate "C".....	174000	174049	61	4	9	1	11	0	6123 150000 50
Woodchip									
Plate "C".....	174050	174199	60	6	9	1	11	0	6048 180000 150
.....	174200	174299	59	6	9	11	11	6	6444 194000 100
.....	174300	174424	59	6	9	11	11	6	6444 125
Total—622 Cars									

Ore Cars

.....	85500	86999	19	10	10	5	8	7	998 150000 599
.....	87000	88499	19	10	9	9	8	7	892 150000 1093

FREIGHT EQUIPMENT—Cont. Ore Cars—Cont.

.....	88500	88999	19 7	9 11	8 6	877	150000	128
.....	89000	89749	20 5	10 2	8 6	936	150000	66
.....	90000	93499	19 10	10 5	8 7	998	150000	3172
.....		93500	94199	19 10	10 5	8 7	998	331
.....	94200	94247	19 10	10 5	8 7	998	150000	48
Taconite	95000	95039	19 11	10 6	10 5	1310	150000	40
Taconite	95500	95842	19 10	10 5	10 7	1342	150000	340
Total—5,817 Cars								

Tank Cars

23,450 Gal.—100000	100049	.....	188000	50
25,336 Gal.—100050	100099	.....	185000	50
Total—100 Cars				

TOFC TRAILERS

	From	To	Cubic	No. of
	24 Ft. Vans		Capy.	Trailers
	21-124	21-133	1380	10
	40 Ft. Vans			
Insulated	70-700	70-719	2315	20
	70-720	70-729	2300	10
	20-730	20-739	2467	10
	40 Ft. Refgrs.			
Insulated with				
Mech. Units	50-1051	50-1060	2104	10
	50-1062	50-1066}	2104	8
	50-1068	50-1070}		
Insulated with				
Mech. Units	50-1089	50-1103	2065	15
	40 Ft. Hopper			
	40-1100	-	(Est) 1630	1
Total—84 Trailers				

SUMMARY Freight Cars

Airslide	217
Box	21,011
Insulated Box	274
Covered Hopper	2,895
Covered Gondolas	26
Flat	2,565
Wood Chip	622
Hopper and Gondola	4,404
Ore	5,817
Stock	1,440
Tank	100
Total	39,371

CABOOSE CARS AND STOCKMEN'S COACHES

	Numbers		No. of
	From	To	Cars
Caboose—30 ft. (Axle Generator)	X	1	154
Caboose—Transfer—36 ft.	X-	175	1
Caboose—30 ft. (Thermoelectric)	X-	176	1
Caboose—Transfer	X-	177	4
Caboose—Baggage—50 ft. (Axle Generator) ..	X-	181	1
Caboose—Branch Line—62 ft.			1
Caboose—Transfer—36 ft.	X-	184	2
Caboose—Branch Line—62 ft.	X-	186	2

CABOOSE CARS AND STOCKMEN'S COACHES—Cont.

Caboose—30 ft. (Axle Generator)	X- 198	X- 310	102
Caboose—25 ft.	X-	X- 749	34
Stockmen's Coaches	X- 770	X- 798	15
Total—317 Cars			

WORK EQUIPMENT

Water Cars			
X-805 to X-6707			113 Cars
Scale Inspection Cars			
X-845, X-846			2 Cars
Sludge Cars			
X-2536			1 Car
Fuel Oil Tank Cars			
6,000 Gal. X-802			1 Car
8,000 Gal. X-973 to X-1024, X-1450 to X-1492			24 Cars
10,000 Gal. X-1043			1 Car
12,000 Gal. X-1051 to X-1164			45 Cars
12,500 Gal. X-1165 to X-1334			120 Cars
16,000 Gal. X-1350 to X-1374			21 Cars
19,000 Gal. X-1375 to X-1424			46 Cars
Rotary Snow Plows			
X-1500, X-1507 to X-1510			5 Cars
Russell Snow Plows			
X-1520, X-1521			2 Cars
Wedge Plows on Flat Cars			
X-7500 to X-7506			7 Cars
Wedge Plows on Tenders			
X-1569, X-1573 to X-1577, X-1582, X-1584 to X-1587, X-1589, X-1590			13 Cars
Chemical Tanks			
X-2901, X-2902, X-7601, X-7602			4 Cars
Dozers			
X-1626 to X-1630, X-1634, X-1641, X-1664 to X-1681, X-1683, X-1684, X-1687, X-1689, X-1691 to X-1698, X-7300 to X-7302, X-7303 to X-7306			44 Cars
Spreader			
X-1705 to X-1713			9 Cars
Diesel Derricks			
100 Ton X-1732 to X-1734			3 Cars
150 Ton X-1735, X-1736, X-1738			3 Cars
160 Ton X-1737			1 Car
200 Ton X-1745			1 Car
250 Ton X-1740, X-1741, X-1742, X-1743			4 Cars
Diesel Locomotive Cranes			
X-1803, X-1841 to X-1844, X-1845, X-1852, X-1856 to X-1859, X-1860, X-1880			15 Cars
Diesel Pile Drivers			
X-1851, X-9100, X-9101, X-9102, X-9103			5 Cars
Fire Cars			
X-1821 to X-1828, X-1830			9 Cars

WORK EQUIPMENT—Cont.

Weed Sprayers	
X-1849, X-1850, X-1853, X-7600, X-7603	5 Cars
Diesel Crane and Ditcher	
X-1848	1 Car
Scrap Cars	
X-2203 to X-5999	119 Cars
Depressed Center Flat Cars (140000 lbs. Capy.)	
X-1910, X-1911	2 Cars
Diesel Fuel Cars	
X-6012, X-6013	2 Cars
Diesel Truck Cars	
X-7976 to X-7978	3 Cars
Air Dump Cars	
X-2042 to X-2068	15 Cars
X-7000 to X-7049	50 Cars
X-7050 to X-7079	30 Cars
Wheel Cars (Note¹)	
X-2100 to X-7106	81 Cars
Rubbish Cars	
X-5865 to X-5868	3 Cars
Storage Cars	
X-2259 to X-5949	39 Cars
Tie Flat Cars	
X-4800 to X-4899, X-4950 to X-4971	43 Cars
X-7000 to X-7049	50 Cars
Rail Welding Cars	
X-1847, X-4329, X-4330, X-4505 to X-4550	48 Cars
Transport, Wrecking, Tool, Idler and Material Cars (Note²)	
X-1837 to X-7950	688 Cars
Note ¹ —X-2123 and X-2124 have steam and signal line.	
Note ² —Following cars included above are used by wrecking crews as boarding cars: X-2395, X-2396, X-2441, X-2465, X-2486, X-2503.	
Sand Cars	
X-2950 to X-2962, X-2964 to X-2979, X-2981 to X-2999, X-5229	49 Cars
Company Coal Cars	
X-4803, X-4804, X-7900 to X-7911	14 Cars
Ballast Cars	
X-2277	1 Car
X-3007	1 Car
X-3468 to X-3584	3 Cars
Fuel Oil Cars	
X-3347, X-3353, X-3360	3 Cars
Outfit Cars	
01228 to 02999	142 Cars
03000 to 03499	195 Cars
03500 to 06499	184 Cars
Note: Included in above are tool cars, material cars, boarding cars, etc.	
Total Caboose and Work Equipment	2688

ROADWAY MACHINES

Note: Following symbols used to designate auxiliary equipment:

o—Backhoe
c—Clamshell
d—Dragline
m—Magnet

p—Pile Driver
r—Propulsion Car (Rail Aid)
s—Shovel

	Auxiliary Equipment	G. N. Number From To	Number of Units
Crawler Shovels			
Lima-Hamilton		R-1874	1
Harnischfeger (P. & H.)		R-1903	1
American Hoist & Derrick		R-8601	1
Crawler-Combination Cranes			
Harnischfeger (P. & H.)	c d p	R-1800	1
Koehring	c dm r	R-1801	1
Manitowoc	c m	R-1802	1
Koehring	m	R-1804	1
Koehring	c d r	R-1805	R-1807 3
Bucyrus-Erie	c d s	R-1808	1
Koehring	c d r	R-1832	R-1834 3
Bucyrus-Erie	c d s	R-1839	1
Bucyrus-Erie	c d s	R-1840	1
Bucyrus-Erie	c d s	R-1861	1
Koehring	c d s	R-1870	1
Bucyrus-Erie	c d s	R-1876	1
Bucyrus-Erie	c d s	R-1878	R-1879 2
Koehring	c d s	R-8001	1
American Hoist & Derrick	c d s	R-8003	1
American Hoist & Derrick	c d s	R-8005	1
Koehring	c d	R-8006	1
American Hoist & Derrick	c d p	R-8007,	R-8008 2
Koehring	c d s	R-8009	1
Koehring	c d r	R-8010	1
American Hoist & Derrick	m	R-8011	1
American Hoist & Derrick	c d	R-8012	1
Bucyrus-Erie	c d s	R-8013	1
Koehring	b c d	R-8201	1
Koehring	c r	R-8202	R-8203 2
Self-Propelled Wheel Cranes			
Unit		R-8701	1
Orton	m	R-8702	1
Coles	m	R-8703	1
Austin-Western (Hydraulic)		R-8704	1
Koehring	m	R-8705	1
Drott (Hydraulic)		R-8707	1
Austin-Western (Hydraulic)		R-8708	1
Rail Cranes			
Parson		RC-4 RC-5	2
Cullen-Friestedt (Burro)	} c m	RC-19	RC-23 5
		RC-24	1
		RC-25 RC-26	2

Note: Some of the cranes listed above are not carried in Roadway Machines Account, but included here because similar type.

MISCELLANEOUS EQUIPMENT

(See Roadway Machines for list of symbols used to designate auxiliary equipment)

Truck Cranes

Bay City	c d p	TC-4	1
Bucyrus-Erie	c d	TC-5	1
Thew-Lorain	c d p	TC-6	1
A H & D	c d p m	TC-7	1
A H & D	c d	TC-8	1
Bucyrus-Erie	c d p	TC-9	1
Bucyrus-Erie	c d p	TC-10	1
Bucyrus-Erie	c d p m	TC-11. TC-12	2
A H & D	c d p m	TC-13	1
A H & D	c d m	TC-14 to TC-16	3
Gradall		1303-A	1

DUTY PAID EQUIPMENT

Work Equipment

Outfit	02260
Caboose	X-180
Diesel Locomotive	107
Diesel Loco Crane	X-9100, X-1843
Idler Cars	X-1854

Roadway Machines

Crawler Crane R-1840

Location	Heater Car	Rotary Plow	Wrecking Derrick
Superior	No. 5—6000 Lbs./Hr.	—	X-1735D—150 Tons
Sioux City	—	—	X-1733D—100 Tons
Minneapolis Jct.	No. 3—8000 Lbs./Hr.	—	X-1738D—150 Tons
Willmar	No. 7—6000 Lbs./Hr.	—	—
Fargo	—	X-1500E	—
Grand Forks	—	—	X-1741D—250 Tons
"	—	—	X-1734D—100 Tons
Minot	No. 8—8000 Lbs./Hr.	—	X-1742D—250 Tons
Havre	—	X-1507E	X-1743D—250 Tons
Great Falls	—	—	X-1736D—150 Tons
Whitefish	No. 9—8000 Lbs./Hr.	X-1508E, X-1509E	X-1745D—200 Tons
Hillyard	—	—	X-1740D—250 Tons
Interbay	No. 4—4500 Lbs./Hr.	X-1510E	X-1737D—160 Tons
"	Nos. 10 through 19 9000 Lbs./Hr.	—	—
Klamath Falls	—	—	X-1732D—100 Tons
Total	16 Cars	5 Rotaries	12 Derricks

Note: Steam Car X-3775 at Superior.





