

EXPLANATORY TEXT

6/30/4

THE PITTSBURGE & WEST VIRGINIA RAILWAY COMPANY

L. DESCRIPTION OF ROAD.

The Pittsburgh & West Virginia Railway Company was incorporated in West Virginia, April 10, 1917, and in Pennsylvania, April 19, 1917.

This carrier owns and operates a standard gauge steam operated railroad located in the states of Pennsylvania, Nest Virginia and Chio, and extending from Pittsburgh, Pa. westward to a connection with The Wheeling and Lake Brie Railway at Pittsburgh Junction, Chio, a distance of 59.795 miles. In addition, the carrier owns and operates a branch line 3.461 miles long, extending from a connection at Longview Junction with the West Side Balt Railroad to a connection at Miflin Junction with the Union Railroad. The road is single tracked except for a distance of 4.129 miles westward from Pittsburgh Terminal which is double tracked.

Under trackage right agreement the earrier uses 0.74 miles of tracks of The Wheeling and Lake Frie Railroad Company from Pittsburgh Junetica to Rexford Mye and 1.78 miles of tracks of the Pittsburgh and Lake Brie Railroad from West End Pittsburgh to South Side Yard.

The principal points on its line are Pittsburgh, Carmegie, Bridgeville and Avella, Pa. and Smithfield and Hopedale, Chie.

2. MILEAGE AND VALUATION SECTIONS.

Val. : Sec. :	From		1	· ·	i i M	let ain Track	:	And Main Track	:	Yard Tracks a Sidines		All Tracks
l-Pa. :	Pittsburgh Total Wholly			State Line maylvania			+	4,129	:	27,608 27,608	1	69.881 69.881
he Pit	teburgh and We	et Virgin	ia Railway	Company -	Thol	ly Owned	and	Used - We	• •	Virginia		
2 -7,74:	PaW.Va. Ste Total Wholly					4.811	1	•	1	1.985 1.985	3	6.796 6.796
he Pit	teburgh and W	et Virgin	la Railway	Сощрану -	Whol	ly Owned	and	Used - Oh	10		÷	
5-chio:	W.YaOhio St Total Wholly				<u>:</u>	20.299	+	•	1	10.658	<u>:</u> :	30.951 30.951
 -	Total Bholly				1	63,264		4,129	•	40,245	•	107.62

S. TERMINI.

67383

Union Railroad Company

The terminal of most importance on this road is at Pittsburgh. Here both passenger and freight facilities are owned by the carrier.

4. CONNECTIONS WITH OTHER ROADS.

The principal connections with other carriers for the interchange of business are as follows:

West Belt Junction Bridgeville

George Mingo Pitteburgh Junction South Side, Pitteburgh Longview

Miflia

West Side Belt Railroad - The Pittsburgh, Cincinnati, Chicago and St.Louis Railroad Company - The Montour Railroad Company Wheeling and Lake Eric Railway Company - The Pittsburgh and Lake Eric Railroad Company West Side Belt Railroad Company - The Montour Railroad Company

5. IMPORTANT JOINT FACILITIES.

In addition to parts of other railroads used by the carrier under trackage right agreements, this company shares jointly the use of its tracks from West Belt Junction to Pittsburgh 1.5 miles with The West Side Belt Railroad Company; and from Longview to Miflin 5.46 miles with the Montour Railroad Company.

6. CHARACTERISTICS OF COUNTRY.

(a) Topography.

The region traversed by this road is very hilly. Leaving Pittsburgh, the road crosses the Monongahela River and by means of numerous tunnels reaches the valley of the Ohio River proper.

(b) Geology.

The geology of the surface is uniform. Executions are of clay and schistons limestone and sandstone with occasional veins of bituminous scal.

(e) Climate.

The mean annual temperature is 50 degrees Fahrenheit, ranging from a minimum of minus 50 degrees to a maximum of 100 degrees, with a mean annual rainfall of 40 inches.

(d) Development - Farm.

As a general thing, this carrier does not traverse a country that is highly developed agriculturally.

(e) <u>Development - Industrial</u>,

The line of this carrier reaches the Pittsburgh District. The manufacture of steel and steel products is the most important industry.

7. PHYSICAL CHARACTERISTICS OF ROAD.

The maximum and ruling grades and survature are shown in the following table prepared by the carrier:

Division	; ; From	i i To	: Maximum : Ruling : Maximum : : Grade : Grade : Cur- : Remarks : Percentum : Percentum : vature :
Main Line	: Pittsburgh .	: Greentree	: East : West : East : West : 1.0 : - : 5° :
Main Line	: Greentree	: Pitteburgh Jet.	1 0.7 : 0.7 : 0.7 : 0.7 : 5 :
Thompson Run Br.	: Longview	: Miftin	: 0.67 : 0.1 : 0.67 : 0.1 : 5 :

8. ROAD.

Assourt 5 - Grading.

The volume of grading on this road is very great, averaging about 183,000 cubic yards per mile. Of the total excavation, exclusive of tunnels, about 64 per cent is classified material, about 54 per cent being solid rock and about 10 per cent loose rock, the remainder common excavation.

Account 5 - Tunnels and Subways.

There are 17 tunnels on the system having a total length of 20,432 feet as shown by the list below. The tunnels are all driven in solid rock for double track and the lining is entirely of concrete, except for 505 feet of brick lining in the Greentree Tunnel.

TUNNELS														
Mane	:	Yal.	:	Kile	i	Longth		Lgth.				ı	a Remarks	
	_1	See.			1	Toot		Lining		Cu. Yds.	<u> </u>		<u></u>	
Mt. Washington	A	1-P	4. 1	1		3,344	1	3,544		109,575	5. R	. :	: Shaft used	
Procetree	. 81		1	8	1	4,716		4,716	ı	155,691	-	8	; *	
taggart	. 5		1	20	i	830	1	850	1	25,955		: 1	1	
Hickory	41		1	22	1	572		372		11,875	-		\$	
McGugin	8		1	25	•	461	1	461		14,690		1	1	
Graighead	6		ě	38	i	1,165	1	1,165	1	37,845		1	1	
Buxton	7:		i	84	•	1.061	1	1,081	ì	85,680			1	
State Line	. 8		i	36	•	1,478	1	1,478	1	47,04	•	1	ì	
Chie River		3-T.	Va i		i	269	i	269	i	8,370		•	1	
Coes		8-0h			i	854	•	856	•	27,804		ī	- 1	
Adems				4	•	640	ī	640	i	22,017	•		•	
Pellows	18			44	i	936	2	966	2	34,325		•	- 1	
Hun ter	13		•	47	•	587	i	587	1	18,764		1	1	
Oliver	14		:	47		351		501	•	11,007	#	i	Ĭ	
Warren	15		•	54	•	970		970	•	84,718		•	•	
Copeland	16		•	58	•	874	:	874	:	50,958		•	•	
•	17			60	:	1,504		1,504	:	55,685			•	
Hanna	47			40	1	1,004		1,004	٠	w, 000		•	•	

Account 6 - Bridges, Trestles and Culverts.

There are two bridges of importance on this road. The Monongahela River is crossed by a double track cantelever bridge which, inclusive of anchor arm laver and suspended spans, is 1,510 feet long and has as approaches a trues span 159' long and a deek plate girder viaduet 204' long. The bridge across the Ohio River is a similar structure 1,297 feet long with approaches under up of a deek trues 180 feet long and two deek plate girder spans each 78' long. There are numerous bridges with reproduction cost between \$50,000 and \$100,000. With the exception of a few deek trueses, these are mostly deek plate girder structures.

Account 8 - Ties

The ties are untreated out and average about \$,100 per mile.

Account 9 - Pails

The rail is practically all 90-pound Bessener laid news

Account 11 - Ballast

Gravel from Stringer, Ohio is the most prevalent material used for ballast. There are also some broken stone and some cinder and slag from the Pittsburgh District.

Account 18 - Right-of-Way Pences

The right-of-way is fenced, weven and barbed wire fence being the prevailing types.

Account 15 - Orossings and Signs

Most all important highway crossings are carried over or under the railroad grade. Grossings of any importance at grade are protected by automatic signal bells or gates.

Account 16 - Station and Office Buildings

The Pittsburgh Terminal is the only station and office building of any importance. The terminal built in 1905 includes passenger station and office building, train shed, track floor and approach viaduets, freight terminal and supporting and approach viaduets.

The passenger station and office building is a nine-story, steel, brick and terms cotta structure, 35 per cent of which is used for nonearrier purposes. The train shed is a brick, stone and steel structure covering six tracks. The viaduots are of about 40 feet average height and built of steel. The track floor has 15 spans supporting six tracks. The approach has nine spans carrying two to six tracks. Most of the space underneath the viaduots is occupied by noncarrier stores and warehouses.

The freight terminal is a steel and coment plaster structure with a supporting and approach viaduet of 25 spans carrying three to five tracks. With the exception of the space undermeath the freight terminal building which is taken up by the freight house mostly all the space undermeath the viaduot is occupied by monostrier stores and warehouses.

The other stations on this road are of conventional type frame construction.

Account 17 - Roadway Buildings

Property in this account consists of small frame tool houses of conventional type.

Account 18 - Water Stations

Water stations are principally of elevated wood tanks of about 40,000 to 50,000 gallons capacity on steel supports and concrete pedestals. Water is usually supplied from eity water connection.

Account 19 - Fuel Stations

The carrier has two fuel stations. At Rook:, Pittsburgh there is a 75-ton "Link Belt" electrically operated bucket and conveyor type station serving two tracks. Superstructure is frame and station is equipped with sand facilities. At Avella, there is a coaling station of minor importance consisting of a 60-foot overhaul trausay with steel bin and chute.

Account 20 - Shope and Engine Houses

The shops of the carrier are at Rock, Pittsburgh; With the exception of the power house, which is of brick, the buildings are of frame construction.

Account 26 - Telegraph and Telephone Lines

Property in this account consists of three and one-half miles of pole line wholly owned and used. The remainder of the pole lines, 58.17 miles pole line, and wires are jointly owned and used with the Western Union Telegraph Company under agreement of January 16, 1904.

8. ROAD. (Comt'd.)

Account 27 - Signals and Interlockers

The carrier has two interlocking plants, one 10 lever and one 5 lever mechanically operated. Four miles of its line are protected by automatic block signals. Hammally operated block signals are installed at telegraph stations.

Account 29 - Power Plant Buildings

The only building in this account is a brick power house at Pittsburgh. This building is used 48 per cent for carrier purposes and 58 per cent for noncerrier purposes.

Account 37 - Hondway Machines

In this account, the carrier has a three-quarter yard American Railroad ditcher, 2 motor cars, 15 hand cars and 21 push cars.

9. EUIPMENT.

Assount 51 - Steem Locomotives

The carrier owns and uses 20 steem locomotives.

Account 55 - Freight Train Cars

The carrier owns and uses 2 refrigerator sars, 1407 hopper cars, 2 flat cars and 6 cabooses.

Account 54 - Passenger Train Care

The carrier owns and uses 8 coaches, 1 combination passenger and baggage car, 1 combination mail and baggage car and 2 baggage cars.

Account 57 - Work Equipment

The carrier owns and uses 20 units of work equipment. The most important of these are a kitchen camp car, a 65 ton steem showel and a 100 ton wheeking crane.

10. ENGINEERING AND GENERAL EXPENDITURES.

Account 1 - Engineering

Engineering has been estimated at 4 1/2 per cent upon Road Accounts 5 to 47 inclusive.

Accounts 71 to 77 - General Expenditures

General Expenditures, Assounts 71 to 77, exclusive of Assount 76, have been estimated at 1 1/2 per cent upon Road Assounts 1 to 47, exclusive of Assount 2 - Land.

Interest During Construction, Account 76, has been estimated at the rate of 6 per cent per annum for one-half the construction period plus 5 months upon Road Accounts 1 to 47, exclusive of Account 2 - Land and upon General Expenditures Accounts 71 to 77, exclusive of Account 75, and for 5 months upon Equipment Accounts 51 to 58 inclusive.

Is has been estimated that a period of four years would be required for the construction of this property.

11. GENERAL INFORMATION.

On equipment purchased secondhand the cost of reproduction new herein is its secondhand reproduction cost. The cost of reproduction new less depreciation for such equipment was computed by applying a condition per cent of the property in its second cycle of use to its secondhand cost.

(a) Grading, Shrink and Swall

The one-way pay and overhaul method was used for computing and pricing the grading on this carrier with a free haul limit of 500 feet for team work and 5000 feet for train haul.

To the measured volume of all embankment 10 per cent has been added for shrinkage including loss and waste of excavation materials during construction. The change of volume from original excavation to present embankment has been estimated as follows:

Common execution

10 per cent shrink

Solid rock

30 " " swell

Loose rook

No change

To the measured quantity of ballast in track 10 per cent for shrinkage has been added to obtain the pay quantities.

(b) Mate

The following percentages in measured quantities have been added for loss and waste:

B. V. Form No. 561

INTERSTATE COMMERCE COMMISSION

Owner The Pitteburgh & West Virginia Bailway CompanyUREAU OF VALUATION

Pittsburgh & Lake Erie P.R.Co., 1890

Sheet No. .. of this valuation section.

945

869

1

Approved: John R. Thompson

Val. Section No. Unallocated Miles Main Line. ... Miles all Tracks.4 N Sept LOCATION Where but a single percentage is stated it represents both per cents. COST OF REPRODUCTION CHARACTER OF PROPERTY AND DESCRIPTION NUMBER OF UNITS UNIT (1) 38 2.2 Per Unit Less Depr New, Total (2) (3) /43 STRAM LOCOMOTIVES Title ... Acct. No. .. (I. C. C. classification No. 18, type 0-6-0, cyls. 19x24, switching service, total light weight 68 tons, second hand 1916 American 1902 80 82 Rach 1 6,712 5,50 Nos. 117, 119, 120, type 2-8-0, cylinders 2x26, freight service, total light weight 115 tons, second hand 1917, Brooks 1902-5 90 91 8 8291 24,878 22,65 Nos. 900-901, type 2-8-0, cylinders 25x20, freight service, total light weight 129 tons, Brooks 1909 70 17705 8 35,406 24.78 Nos. 910-929, type 2-8-0, cylinders 25x52, freight service, total light weight 150 tons, Brooks 1909 68 70 10 17821 178, 210 124,745 No. 805, type 4-6-0, cyls. 18x24, switching service, total light weight 60 tons, second hand 1904 Pittsburgh 1890 5,906 66 1 2,578 No. 188, type 4-6-0, cyls. 18x24, passenger service total light weight 113 tons, second hand 1906, ____ Brooks 1900 95 94 6,211 5,858 Mo. 330-331, type 4-4-0, cyls. 18x24, passenger service, total light weight 66 tons, second hand, 1908 P.&L.E. 1896 100 2 2588 5,176 5.17¢ Total for Account 51 73 20 260,494 191,261 Acct. 55 - FREIGHT TRAIN CARS Refrigerator cars, No. 18069, rebuilt 1916, capacity 60,000%. wood body and underframe 50 52 Zach 1 958 527 No. 18068, second hand 1912, capacity 60,000%, wood body. composite underframe 45 52 1 710 369 Hopper cars, Nos. 56000-58499, various 1909-1911, capacity 100,000#, all steel 940.00 1,407,180 70 1497 965,026 Flat cars, Nos. 11-39, capacity 50,000#, wood underframe, F. H. Hicks, 1904 53 40 342.00 684 365 Caboose cars, Nos. P 402 - P 406, second hand, length 18'x25', wood body and underframe, 4 wheels 2,755 73 77 551.00 2,121 No. P 600, rebuilt 1904, length 34', wood body and underframe, 8 wheels 67 70 1 751 526 Total for Account 53 70 1507 1,413,038 968,932 Acct. 54 - PASSENGER TRAIN CARS Coaches, Nos. 21,23,24,26, length 46'6"-51'2", wood body and underframe, wood 4 wheel trucks, second hand 1913-14, Brown & Sharp, 1884-1891 96 Each 1359 5,436 5,219 Nos. 150-155, length 60°, wood body and underframe, wood 4 wheel trucks, second hand 1916, Jackson & Sharp, 1901 6,220 100 1555 6,220 Passenger and baggage, No. 25, length 50'8", wood body and underframe, composite 6 wheel trucks, second hand 1913, Brown and Sharp, 1878 100 805 805 1 Baggage and mail, No. 117, wood body and underframe, wood 4 wheel trucks, second hand 1915,

90 92

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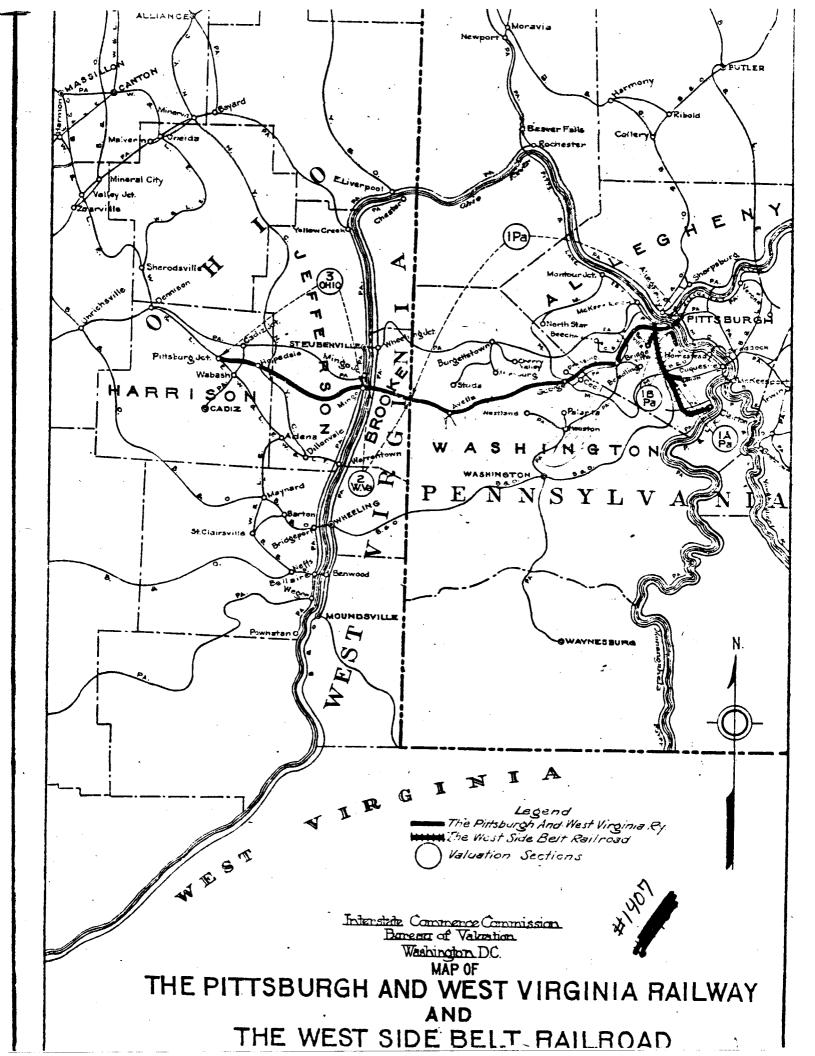
INTERSTATE COMMERCE COMMISSION

Sheet No. Owner The Pittaburgh & West Virginia Railway CompanyUREAU OF VALUATION

.... of this valuation section.

John R. Thompson

Approved: __ Miles Main Line. LOCATION Cent Per Cent of Cost New COST OF REPRODUCTION CHARACTER OF PROPERTY AND DESCRIPTION NUMBER OF UNITS UNIT (1) Š Per Unit Les Dep New, Total (2) (3) PASSENDER TRAIN CARS Acct. No. 54 Title Baggage, Nos. 121-122, length 45'2", 50'7", wood body and underframe, wood 4 wheel trucks, secondhand 1914, Various 1878-1889 86 Each 1594 2 5,186 2,74 Total for Assount 54 96 12 16,594 15,85 ACCT. 57 - WORK EQUIPMENT Camp cars, No. P 21, P 101, P 152, P 155, P 155, capacity 50,000#, wood body and underframe 80 59 Each 6 471 2,826 1,66 Camp cars (kitchen) Nos. P 25, P 150, capacity 50,000#, wood body and underframe. 47 55 675 1,550 71 Tool cars, Nos. P 20, P 26, capacity 50,000# - 60,000#. wood body and underframe, including tools 73 75 2 949 1,898 1.42 Flat cars, No. P 30, capacity 50,000f, wood underframe 49 **32** 312 15 Flat cars, No. P 175, pressed, capacity 100,000#, steel underframe, 3.C.Co., 1916 95 1 835 80 Gondola car No. P Sl, capacity 50,000f, wood body and underframe 100 1 308 30 Dump cars, Nos. P 176, P 177, hand operated, wood body and steel underframe, second hand 1916, Western Wheel Scraper Co., 1907 81 84 518 2 1,036 87 Tanks No. P 1A, P 5A, wood underframe, 4500 gal. tank, second hand 1904 90 400 800 72 Gravel spreader No. P 10, wood underframe, mast and wings, hand operated 68 73 1 577 42: Steam shovel, No. Pl. capacity 65 tons, wood body and steel underframe, Buoyrus Co., 1904 50 1 8,712 4,35 Steam wrecking grane, No. P 5, capacity 100 tons, all steel, Bucyrus Co., 1904 57 59 1 16,400 9,676 Total for Assount 57 60 20 35,052 21,111 Acct. 76 - INTEREST DURING CONSTRUCTION Approved: G.S.Douglass 6% per annum for 3 months of Cost of Reproduction New on Equipment Accounts 51 to 58 inclusive 1725178 71 -015 25,878 18,37 Total Account 76 71 18,370 25,878



EXPLANATORY TEXT

WEST SIDE BELT RAILROAD COMPANY



1. DESCRIPTION OF ROAD.

The nest Side Balt Railroad Company was incorporated in Pennsylvania July 25, 1895. It is a merger of the Little Saw Mill Run Railroad Company and the Bruce and Clairton Railroad Company.

The railroad of this carrier is single tracked, standard gauge, steam operated and extends from most End, Pittaburg, to Clairton, with a branch from South of Rest End, Pittaburg, to Banksville, wholly in the State of Pennsylvania.

Under trackage rights agreement trains of the carrier are operated over the tracks of The Pittsburg & West Virginia Hailway Company from Nest Side Belt Junction to Pittsburg, a distance of 1.30 miles, and over tracks of the St. Clair Terminal Railroad Company at Clairton, a distance of 0.39 miles.

This road has connections with other roads for interchange of traffic as follows:

Connecting Road

Location and Connection

Baltimore and Ohio Railread Pitteburg and Lake Kris Railread Pitteburg & West Virginia Railway

Bruceton
West End - Pittsburg
West Side Belt Junction
Longvier

Pittsburgh, Cincinnati, Chicago and St. Louis Railroad

Clairton

St. Clair Terminal Railroad

Clairton

This road is operated by The Pittsburgh & West Virginia Railway Company as agent for the owners.

2. MILEACE AND VALUATION SECTIONS.

One valuation section has been established.

The mileage is as follows:

Main Line 22.709 Yard Tracks and Sidings 25.795

Total All Tracks 48.504

5. CHARACTERISTICS OF COUNTRY.

This road is located in a very hilly region. The soil is clay overlaying limestone, shale and sandstone.

The principal products of this locality are those of the coal mines and steel industries.

4. BOAD.

This read has a single track, driven tunnel which is 451 feet long and lined with brick.

The grading is heavy, averaging about 84,000 cubic yards per mile, of which about 12 per cent is loose rock and about 36 per cent is solid rock.

The tracks are laid mostly with new 90 and 80 yound Reseaser rail. There is some relay 80 pound.

The road is ballasted with broken rock, slag and sinders.

5. EQUIPMENT.

The equipment of this carrier equalsts of 7 locomotives, 758 gondols, 941 hopper and 8 cabooms freight train care; one combination passenger train car and 6 units of work equipment.

On equipment purchased second-hand, the cost of reproduction new herein is its second-hand reproduction cost. The cost of reproduction new less depreciation for such equipment was computed by applying a condition per cent of the property in its second cycle of use to its second-hand cost.

B. V. Form No. 561

Val. Section No.

Owner West Side Belt Railroad Company

INTERSTATE COMMERCE COMMISSION

Miles Main Line, Miles all Tracks.

BUREAU OF VALUATION

V 6/30/7

Sheet No. of this valuation section.

Approved: John R. Thompson

JOSE V LOCATION Where but a single percentage is stated it represents both per cents COST OF REPRODUCTION CHARACTER OF PROPERTY AND DESCRIPTION UNIT NUMBER OF UNITS gr 42 Per Unit New, Total Less Depreciaci (2) (3) (4) (5) Acct. No. 51 STEAM LOCOMOTIVES Title No. 3, Pittsburgh 1896, type 4-6-0 cyls. 18x84, switching service, total 1t. wt. 66 tons, 2nd hand, 1904 36 63 Roh 1 4,005 2,5: No. 340 Baldwin 1893, type 4-4-0 syla. 18x26, pass. service 40 47 5,311 total 1t. wt. 65 tons, 2nd hand 1910 2,45 Nos. 750-751, Pittsburgh 1903, type 2-8-0, cyls. 22x28, switching service, total lt.wt. 104 tons 15189.00 50,378 14.58 Nos. 1000-1001, Schenectady 1910, type 0-6-6-0, cyls. 21ax 74 72 27804.00 56,608 33x38, frt. service total lt. wt. 174 tons 41,15 No. 6, built 1888, type 0-4-0, syls. 17x24, switching service, 90 total 1t. wt. 45 tons, 2nd hand, 1905 99 1 1,609 1,59 96,911 62,34 Total for Valuation Section 64 Account 53 - FREIGHT TRAIN CARS Gondola Care Nos. 5000-5199, Pressed S.C. Co., 1916, capacity 110,000# 233,28 95 96 1215.00 243,000 wood body, steel underframe Bach Nos. 1500-1507 Pressed S.C. Co., 1905, capacity 80,000 lbs. 2,84 all steel, 2nd hand 1915 66 80 445.00 3,560 Nos. 6000-6549 Pressed S.C. Co., 1916, capacity 100000 lbs. all steel 96 1097.00 603,350 579,21 Hoppers Nos. 7000-7999, Pressed S.C. Co., 1917, capacity 100,000 lbs. 100 1052.00 989,932 989,93 all steel Caboose Cars Nos. B-700-B-708, wood body and underframe, all wood, 4 555.00 2,840 1,36 wheel, length 20'23", 2nd hand, 1905-1916 48 1707 1,842,682 1,806,62 Total for Valuation Section 98 Account 54 - Passenger Train Cars Passenger and Baggage Cars No. 102, length 45'3", wood body and underframe, wood 4 1,03 wheel trucks, 2nd hand 1910 56 1 1,845 Each 1.845 1,03 56 1 Total for Valuation Section Account 57 - WORK EQUIPMENT Tool Car No. B-1, capacity 60,000 lbs., steel underframe 300 **3**C 100 1 Each Flat Cars No. B-628 Pressed S.C. Co., 1916, capacity 100,000, steel 81 1 852 underframe 95 Dump Cars Nos. B-629, B-630, Western Wheel Scraper Co., 1907, hand 1,036 operated, wood body, composite underframe, 2nd hand 1916 60 518.00 Kitchen and Riding Care Nos. X-170, X-171, length 46'6", wood body and underframe, 1,76 1445.00 2,890 57 61 wood 4 wheel trucks, 2nd hand 5,078 3.56 Total for Valuation Section 70