



SUMMARY OF PROCEDURES AND PRACTICES
FOLLOWED IN THE DEVELOPMENT OF
DEPRECIATION RATES

SOO LINE CORPORATION
Minneapolis, Minnesota
As of December 31, 2017

Prepared for:



CANADIAN PACIFIC RAILWAY

Calgary, Alberta

C O N F I D E N T I A L

October 2018

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December 11th, 2018

Canadian Pacific Railway
7550 Ogden Dale Road SE
Calgary, AB T2C 4X

Attention: Rachel Lesser

Dear Rachel,

In accordance with your request, Concentric Advisors, ULC has developed reasonable and appropriate depreciation rates for submission to the Surface Transportation Board. Our review presents a description of the methods used in the estimation of service life and our recommendations for average service life estimates.

We gratefully acknowledge the assistance of Canadian Pacific Railway's personnel in the completion of the review.

Yours truly,

CONCENTRIC ADVISORS ULC

A handwritten signature in blue ink, appearing to read "LEK", is written over the typed name of Larry E. Kennedy.

Larry E. Kennedy
Vice President

Project: 70046
LEK/bmw



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SECTION 1:

1 INTRODUCTION

1.1 Scope

Concentric Advisors ULC (“Concentric”) has been retained by Soo Line Corporation (“SOO”) to develop reasonable and appropriate depreciation rates for submission to the Surface Transportation Board. This Study describes the process and procedures followed by Concentric in the development of the depreciation rates for several of SOO’s plant and other plant accounts. This Study also discusses the conceptual approach used in the depreciation rate calculations.

1.2 Plan of Study

This Study is presented in the following order:

- Section 1: Introduction, contains statements with respect to the plan and the basis of the Study;
- Section 2: Development of Depreciation Calculations, presents descriptions of the methods used and factors considered in the service life study;
- Section 3: The Depreciation Study;
- Section 4: Plant Account Depreciation Studies presents summaries by depreciable group of annual and accrued depreciation; and
- Section 5: presents Detailed Depreciation Calculations.

1.3 Information Provided by SOO

SOO has provided Concentric with aged balances as at December 31, 2017 for all accounts being studied. This information has been compiled from the SAP Plant accounting systems/records and includes the following items.

1. Current balances by vintage year for each account (“aged balances”). The balances provide the amount of investment sorted by installation year that is still in operation. This file is only inclusive of plant in service and does not include any retirement information.
2. Detailed retirement transactions for all accounts. The transactions included information regarding the transaction year of the retirement, the installation year of the asset being retired, and the original cost of the asset being retired.

1.4 Basis of the Study

1.4.1 Depreciation

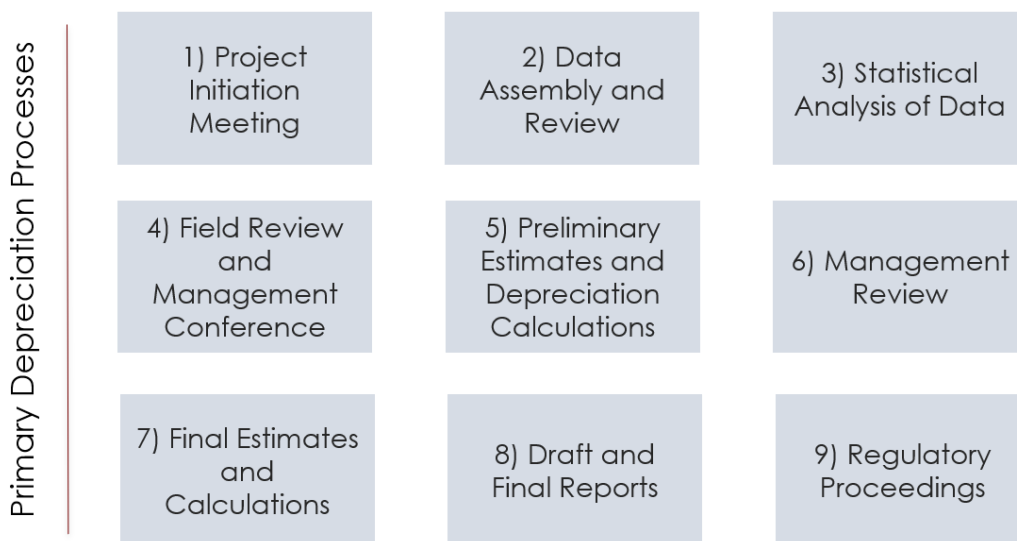
A full and comprehensive depreciation study includes the following components:

1. fully justified recommendations regarding average service life estimates for each account;
2. fully justified recommendations regarding estimated net salvage requirements for each account;
3. detailed calculation of the depreciation rate utilizing the estimated average service life and net salvage requirements; and



- a document explaining the procedures followed and justifying the results in a format suitable for submission to senior management and regulatory authorities.

A diagram of the nine primary processes followed by Concentric in the development of the depreciation study is provided below. Each of the steps is undertaken by Concentric using proprietary software.



1.5 Data Reconciliation

Step 2 of the diagram above relates to the work required to ensure that the data files used in the depreciation study reconcile to the information supplied to Concentric from SOO. This was completed through an internal SOO process with the resultant aged balance and retirement files were forwarded to Concentric. Once the data is confirmed to be reconciled to the asset balances, a series of audit checks are made on the data file. These checks include:

- that the surviving investment in each vintage is not negative. In other words, this check confirms that retirements from any given vintage have not exceeded the amount of plant additions to the vintage; and
- that the amount of reverse retirement or addition entries has not exceeded the amount of original retirement or addition entries in any vintage or transaction year.

Once the above checks have been completed and any correcting entries to the data noted and made, the aged data file is sorted and summarized to indicate the transactions both by annual transaction year and by vintage year. The summaries of the data file provide information to be used by Concentric in the Retirement Rate Analysis for the selection of the average service life parameters.

1.6 Retirement Rate Analysis

Steps 3 and 4 are associated with the statistical development of average service lives using the Retirement Rate Method of analysis. The development of the average service life estimates is in part



based on the calculated survivor curves that incorporated plant retirement experience through 2017. The retirement rate method was used for the analysis of the retirement activity related to the property groups of SOO. The retirement rate method is explained in several publications, including "Statistical Analyses of Industrial Property Retirements,"¹ and "Engineering Valuation and Depreciation"².

Each retirement rate analysis resulted in a life table which, when plotted, formed an original survivor curve. Each original survivor curve as plotted from the life table represents the average survivor pattern experienced by the several vintage groups during the experience band studied. In as much as this survivor pattern does not necessarily describe the life characteristics of the property group, interpretation of the original curves is required to use them as valid considerations in service life estimation. Iowa type curves were used in these interpretations.

The calculated Iowa survivor curves were determined for each of SOO's accounts. However, other factors such as current policies, conversations with operations and management personnel were taken into consideration. In addition, estimates from previous studies, comparisons to other railroads, along with the professional judgment of Concentric were also considered.

¹ Robley Winfrey, *Statistical Analyses of Industrial Property Retirements*, Bulletin 125 revised (Engineering Research Institute, Iowa State University, 1935)

² Marston, Anson, Robley Winfrey and Jean C. Hempstead, *Engineering Valuation and Depreciation* (The Iowa State University Press, 1953)



SECTION 2

2 DEVELOPMENT OF DEPRECIATION CALCULATIONS

The development of the depreciation calculations (steps 5-7) requires the input of an average service life, Iowa curve and net salvage recommendations (the “depreciation parameters”). Additionally, to complete the depreciation calculations, the calculation methods must be established. Specifically, the selection of the depreciation method must establish three types of additional input:

1. the choice of a depreciation method;
2. a basis upon which to apply the method, and
3. in the case of group assets, a procedure to use in grouping the assets.

The depreciation rates for SOO have been calculated in accordance with the Straight-line method, using a Hybrid Remaining Life Two Step method and the Average Service Life procedure as described in the following sub-sections.

2.1 Depreciation Method

The Straight-line method, as used by SOO, is appropriate in circumstances where the usefulness of an asset is consumed in equal parts. When it is considered that the asset value is consumed in equal parts over time, the straight-line method uses life in terms of years as the driver of the depreciation expense. When it is considered that the asset is consumed in equal parts through usage and is not time dependent, the Unit of Production method (which is a form of Straight Line depreciation) is used.

2.2 Basis for the Application of the Depreciation Method

The depreciation rates in this study have been calculated using the whole-life basis. When a group of assets is assumed to have a 10-year life (no salvage), the depreciation rate will equal 10.00% per year (100% divided by 10 years). When the whole life basis is used, the accumulated depreciation variance needs to be separately true up. The amount of the true up represents the variance of the booked accumulated depreciation requirement which is amortized over the remaining life of the surviving assets on record at the time the Depreciation Study is performed. The total annual depreciation expense is derived by applying the depreciation rate to the surviving asset balance plus the true-up amortized over the remaining life of surviving assets. Therefore, the total annual depreciation expense, derived by applying the depreciation plus the true-up amortized over the remaining life, is basically the same as the remaining life method except it is performed in two steps (“Hybrid approach”) rather than one. One of the major benefits of applying the Hybrid approach, is that new additions attract a more accurate depreciation rate (i.e. they will not be given an artificially low or high rate, as the case may be with the remaining life one step approach).



2.3 Grouping Procedures

When more than a single item of property is under consideration, a group procedure for depreciation is appropriate because normally all of the items within a group do not have identical service lives, but have lives that are dispersed over a range of time.

SOO uses the Average Service Life procedure (also known as the average group life procedure). With this method, the rate of annual depreciation is based on the average service life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to the average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

The above-described calculation is widely used by both other North American Railways, and many other regulated US utilities. The detailed depreciation calculations resulting from these depreciation methods and procedures for the Track and Other Plant accounts studied are presented in account order in Section 4 of this Study.

A true-up of the variance of the calculated accumulated depreciation requirement and the actual booked accumulated depreciation balance is also required. The true-up of the variance will require an amortization period which represents the remaining life of the property within the account. Concentric has conducted a review of all accounts, adjusted all the accumulated depreciation balances, and the net imbalance is amortized over the remaining life of the assets within the accounts.

Canadian Pacific Railways - SOO Line Corporation**TABLE 1A. ESTIMATED SURVIVOR CURVE, ORIGINAL COST, CALCULATED AND BOOK DEPRECIATION RESERVE****ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AT DECEMBER 31, 2017****SOO LINE RR**

Account (1)	Depreciable Work (2)	Survivor Curve (3)	Net Salvage (4)	Original Cost at Dec 31, 2017 (5)	Depreciation Reserve Calculated (6)	Depreciation Reserve Booked (7)	Accrual Amount (8)	Accrual Rate (9)	Composite Remaining Life (10) = (5-6)/8
3	Grading	100-R5	0	113,509,052	19,506,925	18,232,323.99	1,135,091	1.00	82.81
4	Other right-of-way expenditures	59-L0.5	0	3,375,203	481,305	405,870.34	57,207	1.69	50.59
5	Tunnels and subways	86-SQ	0	2,593,821	772,433	887,208.81	30,161	1.16	60.39
13	Fences, snowsheds, and signs	80-R4	0	2,789,944	1,043,662	1,510,327.44	34,874	1.25	50.07
16	Station and office buildings	29-L1.5	0	40,616,590	9,753,662	11,986,043.57	1,400,572	3.45	22.04
17	Roadway buildings	43-R2.5	0	2,445,288	932,228	950,075.22	56,867	2.33	26.61
18	Water stations	n/a	n/a	-					
19	Fuel stations	50-R3	0	10,833,900	3,129,200	3,919,635.52	216,678	2.00	35.56
20	Shops and enginehouses	44-R2.5	3	18,058,239	5,945,474	4,941,297.64	398,102	2.20	30.43
25B	TOFC/COFC Terminals	40-R4	0	32,472,367	9,762,488	8,868,801.29	811,809	2.50	27.97
26	Communication Systems	22-R3	0	55,360,620	16,039,124	11,591,521.33	2,516,392	4.55	15.63
27	Signals and Interlockers	30-R1.5	0	168,100,233	31,937,637	35,271,407.09	5,603,341	3.33	24.30
29	Powers Plants	43-R2	0	10,907	4,342	10,139.76	254	2.33	25.85
31	Power Transmission Systems	52-L2	0	6,309,827	782,574	746,549.96	121,343	1.92	45.55
35	Miscellaneous Structures	35-R1.5	0	5,898,207	1,034,345	1,111,439.79	168,520	2.86	28.86
39	Public Improvements - Construction	45-L0.5	0	74,130,091	11,340,099	11,902,009.49	1,647,335	2.22	38.12
44	Shop Machinery	27-L1.5	9	7,626,937	2,121,106	678,508.24	257,056	3.37	16.89
45	Power Plant Machinery	37-R5	0	385,798	338,447	382,674.64	10,427	2.70	4.54
59	Computer Equipment	6-R2.5	0	24,706,692	7,049,482	6,458,521.74	4,117,782	16.67	4.29
TOTAL				569,223,716	121,974,533	119,854,356	18,583,811		

Canadian Pacific Railways - SOO Line Corporation**TABLE 1B. ESTIMATED SURVIVOR CURVE, ORIGINAL COST, CALCULATED AND BOOK DEPRECIATION RESERVE
ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AT DECEMBER 31, 2017****DM&E RR**

Account (1)	Depreciable Work (2)	Survivor Curve (3)	Net Salvage (4)	Original Cost at Dec 31, 2017 (5)	Depreciation Reserve Calculated (6)	Depreciation Reserve Booked (7)	Accrual Amount (8)	Accrual Rate (9)	Composite Remaining Life (10) = (5-6)/8
3	Grading	100-R5	0	15,653,969	636,288	558,567.11	156,540	1.00	95.94
4	Other right-of-way expenditures	59-L0.5	0	1,276,166	119,468	355,183.20	21,630	1.69	53.48
5	Tunnels and subways	n/a	n/a	-	-	0.01	-	-	-
13	Fences, snowsheds, and signs	80-R4	0	297,270	17,546	-5,339.72	3,716	1.25	75.28
16	Station and office buildings	29-L1.5	0	6,923,339	1,020,627	1,277,635.19	238,736	3.45	24.72
17	Roadway buildings	43-R2.5	0	352,242	79,069	69,725.64	8,192	2.33	33.35
18	Water stations	35-L3	0	33,064	9,333	23,165.52	945	2.86	25.12
19	Fuel stations	50-R3	0	7,752,287	322,910	388,864.73	155,046	2.00	47.92
20	Shops and enginehouses	44-R2.5	3	1,595,679	296,444	442,703.46	35,177	2.20	36.93
25B	TOFC/COFC Terminals	n/a	n/a	-	-	0.00	-	-	-
26	Communication Systems	22-R3	0	38,982,274	3,585,499	2,762,884.91	1,771,922	4.55	19.98
27	Signals and Interlockers	30-R1.5	0	37,134,391	4,665,705	5,633,097.99	1,237,813	3.33	26.23
29	Powers Plants	n/a	n/a	-	-	0.01	-	-	-
31	Power Transmission Systems	52-L2	0	183,482	16,759	15,561.66	3,528	1.92	47.26
35	Miscellaneous Structures	35-R1.5	0	109,238	13,199	16,417.58	3,121	2.86	30.77
39	Public Improvements - Construction	45-L0.5	0	21,182,564	2,127,487	4,460,774.70	470,724	2.22	40.48
44	Shop Machinery	27-L1	9	2,508,185	513,959	723,965.25	84,535	3.37	23.59
45	Power Plant Machinery	n/a	n/a	-	-	0.01	-	-	-
59	Computer Equipment	6-R2.5	0	811,454	374,596	854,903.27	135,242	16.67	3.23
TOTAL				134,795,604	13,798,889	17,578,111	4,326,866		

Canadian Pacific Railways - SOO Line Corporation**TABLE 1C. ESTIMATED SURVIVOR CURVE, ORIGINAL COST, CALCULATED AND BOOK DEPRECIATION RESERVE****ANNUAL DEPRECIATION ACCRUALS RELATED TO UTILITY PLANT AT DECEMBER 31, 2017****D&H RR**

Account (1)	Depreciable Work (2)	Survivor Curve (3)	Net Salvage (4)	Original Cost at Dec 31, 2017 (5)	Depreciation Reserve Calculated (6)	Depreciation Reserve Booked (7)	Accrual Amount (8)	Accrual Rate (9)	Composite Remaining Life (10) = (5-6)/8
3	Grading	100-R5	0	16,339,496	1,192,670	103,297.40	163,395	1.00	92.70
4	Other right-of-way expenditures	59-L0.5	0	27,924	1,021	1,544.89	473	1.69	56.84
5	Tunnels and subways	86-SQ	0	137,134	41,611	42,332.84	1,595	1.16	59.90
13	Fences, snowsheds, and signs	80-R4	0	30,444	2,387	2,741.22	381	1.25	73.73
16	Station and office buildings	29-L1.5	0	1,435,596	139,314	155,901.66	49,503	3.45	26.19
17	Roadway buildings	43-R2.5	0	149,475	8,174	9,677.89	3,476	2.33	40.65
18	Water stations	n/a	n/a	-	-	-	-	-	-
19	Fuel stations	n/a	n/a	-	-	-	-	-	-
20	Shops and enginehouses	44-R2.5	3	259,829	64,343	3,185.10	5,728	2.20	34.13
25B	TOFC/COFC Terminals	40-R4	0	2,885,768	980,468	963,942.37	72,144	2.50	26.41
26	Communication Systems	22-R3	0	10,285,353	2,275,985	1,781,025.46	467,516	4.55	17.13
27	Signals and Interlockers	30-R1.5	0	19,076,631	2,558,245	3,246,912.33	635,888	3.33	25.98
29	Powers Plants	n/a	n/a	-	-	0.03	-	-	-
31	Power Transmission Systems	52-L2	0	623,878	82,085	69,309.12	11,998	1.92	45.16
35	Miscellaneous Structures	35-R1.5	0	68,710	8,572	9,789.36	1,963	2.86	30.63
39	Public Improvements - Construction	45-L0.5	0	10,008,949	733,638	337,528.91	222,421	2.22	41.70
44	Shop Machinery	27-L1	9	380,789	36,421	-522,856.93	12,834	3.37	26.83
45	Power Plant Machinery	n/a	n/a	-	-	-	-	-	-
59	Computer Equipment	6-R2.5	0	335,220	134,007	189,667.19	55,870	16.67	3.60
TOTAL				62,045,196	8,258,941	6,393,999	1,705,185		

Canadian Pacific Railways - SOO Line Corporation**TABLE 2A. CALCULATION OF ACCUMULATED DEPRECIATION VARIANCE AND REQUIRED TRUE-UP
RELATED TO UTILITY PLANT AT DECEMBER 31, 2017****SOO LINE RR**

Account (1)	Depreciable Work (2)	Original Cost at Dec 31, 2017 (3)	Depreciation Reserve Calculated (4)	Depreciation Reserve Booked (5)	Accumulated Depreciations Variance (6)	Composite Remaining Life (7)	True-up (8)	True-up Rate (9)=(8)/(3)
3	Grading	113,509,052	19,506,925	18,232,324	1,274,601	82.81	15,392	0.01
4	Other right-of-way expenditures	3,375,203	481,305	405,870	75,435	50.59	1,491	0.04
5	Tunnels and subways	2,593,821	772,433	887,209	(114,776)	60.39	(1,901)	(0.07)
13	Fences, snowsheds, and signs	2,789,944	1,043,662	1,510,327	(466,665)	50.07	(9,320)	(0.33)
16	Station and office buildings	40,616,590	9,753,662	11,986,044	(2,232,382)	22.04	(101,288)	(0.25)
17	Roadway buildings	2,445,288	932,228	950,075	(17,847)	26.61	(671)	(0.03)
18	Water stations	-	-	-		0.00		
19	Fuel stations	10,833,900	3,129,200	3,919,636	(790,436)	35.56	(22,228)	(0.21)
20	Shops and enginehouses	18,058,239	5,945,474	4,941,298	1,004,176	30.43	33,000	0.18
25B	TOFC/COFC Terminals	32,472,367	9,762,488	8,868,801	893,687	27.97	31,952	0.10
26	Communication Systems	55,360,620	16,039,124	11,591,521	4,447,603	15.63	284,556	0.51
27	Signals and Interlockers	168,100,233	31,937,637	35,271,407	(3,333,770)	24.30	(137,192)	(0.08)
29	Powers Plants	10,907	4,342	10,140	(5,798)	25.85	(224)	(2.05)
31	Power Transmission Systems	6,309,827	782,574	746,550	36,024	45.55	791	0.01
35	Miscellaneous Structures	5,898,207	1,034,345	1,111,440	(77,095)	28.86	(2,671)	(0.05)
39	Public Improvements - Construction	74,130,091	11,340,099	11,902,009	(561,910)	38.12	(14,741)	(0.02)
44	Shop Machinery	7,626,937	2,121,106	678,508	1,442,598	16.89	85,411	1.12
45	Power Plant Machinery	385,798	338,447	382,675	(44,228)	4.54	(9,742)	(2.53)
59	Computer Equipment	24,706,692	7,049,482	6,458,522	590,960	4.29	137,753	0.56
TOTAL		569,223,716	121,974,533	119,854,356	2,120,177		290,368	

Canadian Pacific Railways - SOO Line Corporation

TABLE 2B. CALCULATION OF ACCUMULATED DEPRECIATION VARIANCE AND REQUIRED TRUE-UP
RELATED TO UTILITY PLANT AT DECEMBER 31, 2017

DM&E RR

Account (1)	Depreciable Work (2)	Original Cost at Dec 31, 2017 (3)	Depreciation Reserve Calculated (4)	Depreciation Reserve Booked (5)	Accumulated Depreciations Variance (6)	Composite Remaining Life (7)	True-up (8)	True-up Rate (9)=(8)/(3)
3	Grading	15,653,969	636,288	558,567	77,721	95.94	810	0.01
4	Other right-of-way expenditures	1,276,166	119,468	355,183	(235,715)	53.48	(4,408)	(0.35)
5	Tunnels and subways							
13	Fences, snowsheds, and signs	297,270	17,546	-5,340	22,886	75.28	304	0.10
16	Station and office buildings	6,923,339	1,020,627	1,277,635	(257,008)	24.72	(10,397)	(0.15)
17	Roadway buildings	352,242	79,069	69,726	9,343	33.35	280	0.08
18	Water stations	33,064	9,333	23,166	(13,833)	25.12	(551)	(1.67)
19	Fuel stations	7,752,287	322,910	388,865	(65,955)	47.92	(1,376)	(0.02)
20	Shops and enginehouses	1,595,679	296,444	442,703	(146,259)	36.93	(3,960)	(0.25)
25B	TOFC/COFC Terminals							
26	Communication Systems	38,982,274	3,585,499	2,762,885	822,614	19.98	41,172	0.11
27	Signals and Interlockers	37,134,391	4,665,705	5,633,098	(967,393)	26.23	(36,881)	(0.10)
29	Powers Plants							
31	Power Transmission Systems	183,482	16,759	15,562	1,197	47.26	25	0.01
35	Miscellaneous Structures	109,238	13,199	16,418	(3,219)	30.77	(105)	(0.10)
39	Public Improvements - Construction	21,182,564	2,127,487	4,460,775	(2,333,288)	40.48	(57,641)	(0.27)
44	Shop Machinery	2,508,185	513,959	723,965	(210,006)	23.59	(8,902)	(0.35)
45	Power Plant Machinery							
59	Computer Equipment	811,454	374,596	854,903	(480,307)	3.23	(148,702)	(18.33)
TOTAL		134,795,604	13,798,889	17,578,110	(3,779,221)		(230,332)	

Canadian Pacific Railways - SOO Line Corporation

TABLE 2C. CALCULATION OF ACCUMULATED DEPRECIATION VARIANCE AND REQUIRED TRUE-UP
RELATED TO UTILITY PLANT AT DECEMBER 31, 2017

D&H RR

Account (1)	Depreciable Work (2)	Original Cost at Dec 31, 2017 (3)	Depreciation Reserve Calculated (4)	Depreciation Reserve Booked (5)	Accumulated Depreciations Variance (6)	Composite Remaining Life (7)	True-up (8)	True-up Rate (9)=(8)/(3)
3	Grading	16,339,496	1,192,670	103,297	1,089,373	92.70	11,752	0.07
4	Other right-of-way expenditures	27,924	1,021	1,545	(524)	56.84	(9)	(0.03)
5	Tunnels and subways	137,134	41,611	42,333	(722)	59.90	(12)	(0.01)
13	Fences, snowsheds, and signs	30,444	2,387	2,741	(354)	73.73	(5)	(0.02)
16	Station and office buildings	1,435,596	139,314	155,902	(16,588)	26.19	(633)	(0.04)
17	Roadway buildings	149,475	8,174	9,678	(1,504)	40.65	(37)	(0.02)
18	Water stations							
19	Fuel stations							
20	Shops and enginehouses	259,829	64,343	3,185	61,158	34.13	1,792	0.69
25B	TOFC/COFC Terminals	2,885,768	980,468	963,942	16,526	26.41	626	0.02
26	Communication Systems	10,285,353	2,275,985	1,781,025	494,960	17.13	28,894	0.28
27	Signals and Interlockers	19,076,631	2,558,245	3,246,912	(688,667)	25.98	(26,508)	(0.14)
29	Powers Plants							
31	Power Transmission Systems	623,878	82,085	69,309	12,776	45.16	283	0.05
35	Miscellaneous Structures	68,710	8,572	9,789	(1,217)	30.63	(40)	(0.06)
39	Public Improvements - Construction	10,008,949	733,638	337,529	396,109	41.70	9,499	0.09
44	Shop Machinery	380,789	36,421	-522,857	559,278	26.83	20,845	5.47
45	Power Plant Machinery							
59	Computer Equipment	335,220	134,007	189,667	(55,660)	3.60	(15,461)	(4.61)
TOTAL		62,045,196	8,258,941	6,393,999	1,864,942		30,986	

2018 SOO LINE CORPORATION DEPRECIATION STUDY
SCHEDULE A. SUMMARY PROFILE OF PROPERTY VALUES AS AS DECEMBER 31st 2017

Acct #	Account Description	Soo Line RR Whole Life Gross at 12/31/2017	D&H RR Whole Life Gross at 12/31/2017	DM&E RR Whole Life Gross at 12/31/2017	Total Whole Life Gross at 12/31/2017 (Note 1)	Other Gross at 12/31/2017 (Note 2)	Total Gross at 12/31/2017 (Note 3)	Soo Line RR Whole Life Accum. Dep. at 12/31/2017	D&H RR Whole Life Accum. Dep. at 12/31/2017	DM&E RR Whole Life Accum. Dep. at 12/31/2017	Total Whole Life Accum. Dep. at 12/31/2017 (Note 1)	Other Accum. Dep. at 12/31/2017 (Note 4)	Total Accum. Dep. at 12/31/2017 (Note 3)
3	Grading	113,509,052	16,339,496	15,653,969	145,502,517	296,276,737	441,779,254	(18,232,324)	(103,297)	(558,567)	(18,894,188)	(43,659,156)	(62,553,344)
4	Other right-of-way expenditures	3,375,203	27,924	1,276,166	4,679,293	0	4,679,293	(405,870)	(1,545)	(355,183)	(762,598)	0	(762,598)
5	Tunnels and subways	2,593,821	137,134	0	2,730,955	0	2,730,955	(887,209)	(42,333)	0	(929,542)	0	(929,542)
13	Fences, snowsheds, and signs	2,789,944	30,444	297,270	3,117,658	0	3,117,658	(1,510,327)	(2,741)	5,340	(1,507,728)	0	(1,507,728)
16	Station and office buildings	40,616,590	1,435,596	6,923,339	48,975,525	0	48,975,525	(11,986,044)	(155,902)	(1,277,635)	(13,419,581)	8,021	(13,411,560)
17	Roadway buildings	2,445,288	149,475	352,242	2,947,005	0	2,947,005	(950,075)	(9,678)	(69,726)	(1,029,479)	0	(1,029,479)
18	Water stations	0	0	33,064	33,064	0	33,064	0	0	(23,166)	(23,166)	0	(23,166)
19	Fuel stations	10,833,900	0	7,752,287	18,586,187	0	18,586,187	(3,919,636)	0	(388,865)	(4,308,501)	2,781	(4,305,720)
20	Shops and enginehouses	18,058,239	259,829	1,595,679	19,913,747	0	19,913,747	(4,941,298)	(3,185)	(442,703)	(5,387,186)	0	(5,387,186)
25B	TOFC/COFC Terminals	32,472,367	2,885,768	0	35,358,135	2,150,745	37,508,880	(8,868,801)	(963,942)	0	(9,832,743)	(415,329)	(10,248,072)
26	Communication Systems	55,360,620	10,285,353	38,982,274	104,628,247	0	104,628,247	(11,591,521)	(1,781,025)	(2,762,885)	(16,135,431)	0	(16,135,431)
27	Signals and Interlockers	168,100,233	19,076,631	37,134,391	224,311,255	0	224,311,255	(35,271,407)	(3,246,912)	(5,633,098)	(44,151,417)	0	(44,151,417)
29	Powers Plants	10,907	0	0	10,907	0	10,907	(10,140)	0	0	(10,140)	0	(10,140)
31	Power Transmission Systems	6,309,827	623,878	183,482	7,117,187	0	7,117,187	(746,550)	(69,309)	(15,562)	(831,421)	0	(831,421)
35	Miscellaneous Structures	5,898,207	68,710	109,238	6,076,155	0	6,076,155	(1,111,440)	(9,789)	(16,418)	(1,137,647)	0	(1,137,647)
39	Public Improvements - Construction	74,130,091	10,008,949	21,182,564	105,321,604	0	105,321,604	(11,902,009)	(337,529)	(4,460,775)	(16,700,313)	0	(16,700,313)
44	Shop Machinery	7,626,937	380,789	2,508,185	10,515,911	0	10,515,911	(678,508)	522,857	(723,965)	(879,616)	(893,501)	(1,773,117)
45	Power Plant Machinery	385,798	0	0	385,798	0	385,798	(382,675)	0	0	(382,675)	0	(382,675)
59	Computer Equipment	24,706,692	335,220	811,454	25,853,366	5,185,720	31,039,086	(6,458,522)	(189,667)	(854,903)	(7,503,092)	(1,339,805)	(8,842,897)
TOTAL		569,223,716	62,045,196	134,795,604	766,064,516	303,613,202	1,069,677,718	(119,854,356)	(6,393,997)	(17,578,111)	(143,826,464)	(46,296,989)	(190,123,453)

Note 1 Whole Life Balances only

Note 2 DM&E Remaining Life Values, acct 25B represents terminal equipment (excluding Intermodal equipments), acct 59 represents information system - hardware (excluding information system software)

Note 3 Balances - Reconciles to 2017 R-1 Report

Note 4 DM&E Remaining Life Values, acct 25B represents terminal equipment (excluding Intermodal equipments), acct 59 represents information system - hardware (excluding information system software), and adjustments between accounts

**2018 SOO LINE CORPORATION DEPRECIATION STUDY
SCHEDULE B. SUMMARY OF DEPRECIATION PARAMETERS AND DEPRECIATION IMPACT**

Acct #	Account Description	Total Whole Life Gross at 12/31/2017 (Note 1)	Other Gross at 12/31/2017 (Note 2)	Total Gross at 12/31/2017 (Note 3)	Total Whole Life Accum. Dep. at 12/31/2017 (Note 1)	Other Accum. Dep. at 12/31/2017 (Note 4)	Total Accum. Dep. at 12/31/2017 (Note 3)	Salvage Percent Previous Study	WSL Previous Study	Dep. Rate Previous Study	Proposed Salvage Percent	Proposed WSL	Proposed Dep Rate	Rate Dep. Previous Study	Proposed Rate Depreciation	Differences Based on Rate	Previous Depreciation Amortization Expense	Proposed Depreciation Amortization Expense	Change in Depreciation Expense Due to Amortization	Depreciation Impact
3	Grading	145,502,517	296,276,737	441,779,254	(18,894,188)	(43,659,156)	(62,553,344)	0%	100	1.00%	0%	100	1.00%	1,455,025	1,455,025	0	6,855	27,954	21,099	21,099
4	Other right-of-way expenditures	4,679,293	0	4,679,293	(762,598)	0	(762,598)	0%	59	1.69%	0%	59	1.69%	79,080	79,080	0	1,824	(2,926)	(4,750)	(4,750)
5	Tunnels and subways	2,730,955	0	2,730,955	(929,542)	0	(929,542)	0%	86	1.16%	0%	86	1.16%	31,679	31,679	0	(1,041)	(1,913)	(872)	(872)
13	Fences, snowsheds, and signs	3,117,658	0	3,117,658	(1,507,728)	0	(1,507,728)	0%	80	1.25%	0%	80	1.25%	38,971	38,971	0	(10,466)	(9,021)	1,445	1,445
16	Station and office buildings	48,975,525	0	48,975,525	(13,419,581)	8,021	(13,411,560)	0%	29	3.45%	0%	29	3.45%	1,689,656	1,689,656	0	(65,175)	(112,318)	(47,143)	(47,143)
17	Roadway buildings	2,947,005	0	2,947,005	(1,029,479)	0	(1,029,479)	0%	45	2.22%	0%	43	2.33%	65,424	68,665	3,242	1,971	(428)	(2,399)	843
18	Water stations	33,064	0	33,064	(23,166)	0	(23,166)	0%	30	3.33%	0%	35	2.86%	1,101	946	(155)	(846)	(551)	295	140
19	Fuel stations	18,586,187	0	18,586,187	(4,308,501)	2,781	(4,305,720)	0%	44	2.25%	0%	50	2.00%	418,189	371,724	(46,465)	(7,946)	(23,604)	(15,658)	(62,123)
20	Shops and enginehouses	19,913,747	0	19,913,747	(5,387,186)	0	(5,387,186)	0%	46	2.17%	3%	44	2.20%	432,128	438,102	5,974	32,446	30,832	(1,614)	4,360
25B	TOFC/COFC Terminals	35,358,135	2,150,745	37,508,880	(9,832,743)	(415,329)	(10,248,072)	0%	40	2.50%	0%	40	2.50%	883,953	883,953	0	24,376	32,578	8,202	8,202
26	Communication Systems	104,628,247	0	104,628,247	(16,135,431)	0	(16,135,431)	0%	25	4.00%	0%	22	4.55%	4,185,130	4,760,585	575,455	177,929	354,622	176,693	752,148
27	Signals and Interlockers	224,311,255	0	224,311,255	(44,151,417)	0	(44,151,417)	0%	27	3.70%	0%	30	3.33%	8,299,516	7,469,565	(829,952)	134,741	(200,581)	(335,322)	(1,165,274)
29	Powers Plants	10,907	0	10,907	(10,140)	0	(10,140)	0%	45	2.22%	0%	43	2.33%	242	254	12	5,245	(224)	(5,469)	(5,457)
31	Power Transmission Systems	7,117,187	0	7,117,187	(831,421)	0	(831,421)	0%	50	2.00%	0%	52	1.92%	142,344	136,650	(5,694)	3,388	1,099	(2,289)	(7,983)
35	Miscellaneous Structures	6,076,155	0	6,076,155	(1,137,647)	0	(1,137,647)	0%	35	2.86%	0%	35	2.86%	173,778	173,778	0	854	(2,816)	(3,670)	(3,670)
39	Public Improvements - Construction	105,321,604	0	105,321,604	(16,700,313)	0	(16,700,313)	0%	40	2.50%	0%	45	2.22%	2,633,040	2,338,140	(294,900)	18,116	(62,883)	(80,999)	(375,899)
44	Shop Machinery	10,515,911	0	10,515,911	(879,616)	(893,501)	(1,773,117)	9%	25	3.64%	9%	27	3.37%	382,779	354,386	(28,393)	89,535	97,354	7,819	(20,574)
45	Power Plant Machinery	385,798	0	385,798	(382,675)	0	(382,675)	0%	35	2.86%	0%	37	2.70%	11,034	10,417	(617)	(1,781)	(9,742)	(7,961)	(8,578)
59	Computer Equipment	25,853,366	5,185,720	31,039,086	(7,503,092)	(1,339,805)	(8,842,897)	0%	6	16.67%	0%	6	16.67%	4,309,756	4,309,756	0	0	(26,410)	(26,410)	(26,410)
TOTAL		766,064,516	303,613,202	1,069,677,718	(143,826,464)	(46,296,989)	(190,123,453)							25,232,825	24,611,332	(621,494)	410,025	91,022	(319,003)	(940,997)

Note 1 Whole Life Balances only

Note 2 DM&E Remaining Life Values, acct 25B represents terminal equipment (excluding Intermodal equipments), acct 59 represents information system - hardware (excluding information system software)

Note 3 Balances - Reconciles to 2017 R-1 Report

Note 4 DM&E Remaining Life Values, acct 25B represents terminal equipment (excluding Intermodal equipments), acct 59 represents information system - hardware (excluding information system software), and adjustments between accounts



SECTION 3

3 THE DEPRECIATION STUDY

3.1 Background

Surface Transportation Board (“STB”) guidelines require Class 1 railroads to periodically perform updated depreciation studies for plant and other plant property, and to submit them to the Board for review and approval.

Under STB rules, SOO Line along with other Class 1 railroads are required to follow the Uniform System of Accounts depreciation methods which employ group asset depreciation principles. Capital costs are charged to depreciation expense by using average service lives for particular groups of class assets rather than an estimated specific service life for a particular asset. For any specific asset, retirements and net salvage costs are generally debited and credited to the depreciation reserves, rather than to income accounts as is the case under single asset depreciation methods. Periodic imbalances in the depreciation reserves are then amortized over the remaining service lives of assets still in place.

A profile of SOO Line's values, as of December 31, 2017, is attached as Schedule A.

The newly proposed rates, depreciation expense and reserve amortizations are submitted to the STB for its review and approval for prospective implementation on SOO's books in January 2019.

3.2 Property Group Classes

Remaining life property consisted of assets still in place which were acquired in February 1985, as part of the Milwaukee Road acquisition, and have been depreciated since that time using remaining life depreciation rates, as approved by the STB.

Whole life property consists of all assets in historical SOO territory prior to the Milwaukee Road acquisition, as well as capital additions since February 1985 in former Milwaukee Road territory. These have been depreciated based on whole life.

The STB has accepted this distinction in asset classes and their related depreciation methods in each of the prior SOO Line depreciation studies.

SOO's previous study considered the position of the remaining life Milwaukee Road property and combined those values into all of SOO property, recommending a single depreciation rate for each account with no distinction between whole life and remaining life property. The STB approved this approach with the December 2010 SOO depreciation submission.



SECTION 4

4 OTHER PLANT ACCOUNTS DEPRECIATION STUDIES**4.1 Other Plant – Overview**

Other Plant accounts depreciation studies were conducted for the following accounts:

Account No.	Account Description
3	Grading
4	Other Right of Way Expenditures
5	Tunnels and Subways
13	Fences, Snowsheds, and Signs
16	Station and Office Buildings
17	Roadway Buildings
18	Water Stations
19	Fuel Stations
20	Shops and Enginehouses
25B	TOFC/COFC Terminals
26	Communication Systems
27	Signals and Interlockers
29	Power Plants
31	Power Transmission Systems
35	Miscellaneous Structures
39	Public Improvements - Construction
44	Shop Machinery
45	Power Plant Machinery
59	Computer Equipment

The Other plant account studies are based on the gross investment and accumulated depreciation balances at December 31, 2017 per the Company's SAP investment ledgers.

The following sections describe specific procedures used to determine the average service life and net salvage estimates for each of the above accounts. The average service life estimate for each account was based on a retirement rate analysis prepared in accordance with the procedures as described in prior sections of this report. In addition, internally conducted operational interviews with SOO subject matter experts were held.

4.2 Other Plant - Whole Service Lives

Whole service lives were developed, using a retirement rate analysis to determine historical retirement patterns as outlined previously, which were reviewed by SOO subject matter experts. The average service lives recommended in this report are consistent with the railway industry and prior company practice. Certain asset classes had additional whole service life considerations - see the "Whole Service Life Considerations for Certain Asset Classes" section within the "Additional Working Papers" document.



The whole life average service lives resulting from the Study and with relevant information considered is provided and in the Tables in Section 2.

Account No.	Account Description	Previous WSL	Recommended WSL
3	Grading	100	100
4	Other Right of Way Expenditures	59	59
5	Tunnels and Subways	86	86
13	Fences, Snowsheds, and Signs	80	80
16	Station and Office Buildings	29	29
17	Roadway Buildings	45	43
18	Water Stations	30	35
19	Fuel Stations	44	50
20	Shops and Enginehouses	46	44
25B	TOFC/COFC Terminals	40	40
26	Communication Systems	25	22
27	Signals and Interlockers	27	30
29	Power Plants	45	43
31	Power Transmission Systems	50	52
35	Miscellaneous Structures	35	35
39	Public Improvements - Construction	40	45
44	Shop Machinery	25	27
45	Power Plant Machinery	35	37
59	Computer Equipment	6	6

4.3 Other Plant – Net Salvage Percentages

Net Salvage percentages are based in part on the historic salvage transactions as reviewed internally by SOO. The salvage rate information was provided to Concentric by SOO based on internal expertise and knowledge of the SOO system and the railway industry.

When the plant is retired, it may be: sold to a third party; reused by the railroad for additional service; or physically removed and scrapped. In the circumstances where the plant is sold, a salvage proceed (or positive salvage amount) is recognized as a credit to the accumulated depreciation accounts. In circumstances where there is a cost associated with the retirement of the assets, a cost of removal (or negative salvage amount) is recognized as a debit to the accumulated depreciation account. The estimated salvage amounts are expressed as a percentage of the account's original cost to determine a salvage percentage. The cost to remove ties exceeds any expected salvage as there are normally no salvage proceeds associated with ties.

Concentric recommends use of net salvage percentages as presented below and in the Tables in Section 2.



Account No.	Account Description	Previous Salvage %	Recommended Salvage %
3	Grading	0	0
4	Other Right of Way Expenditures	0	0
5	Tunnels and Subways	0	0
13	Fences, Snowsheds, and Signs	0	0
16	Station and Office Buildings	0	0
17	Roadway Buildings	0	0
18	Water Stations	0	0
19	Fuel Stations	0	0
20	Shops and Enginehouses	0	3
25B	TOFC/COFC Terminals	0	0
26	Communication Systems	0	0
27	Signals and Interlockers	0	0
29	Power Plants	0	0
31	Power Transmission Systems	0	0
35	Miscellaneous Structures	0	0
39	Public Improvements - Construction	0	0
44	Shop Machinery	9	9
45	Power Plant Machinery	0	0
59	Computer Equipment	0	0

4.4 Other Plant - Depreciation Rates

Depreciation rates are based on the service lives and salvage rates as shown in the Tables in Section 2. The detailed calculation for the calculated depreciation reserves is provided in Section 5.

Depreciation rates were calculated based on the following STB required depreciation formulas for each primary asset group:

$$\frac{100\% - \text{Salvage Percent}}{\text{Average Service Life}}$$

(100% - Salvage Percent divided by the Average Service Life)

As part of the depreciation rate review, the booked accumulated depreciation balances were compared to the calculated reserve balance. The calculated accumulated depreciation balances, as well as the surpluses and deficiencies, are shown in the Tables in Section 2. Once the accounts have been reviewed by Concentric, the net accumulated depreciation imbalance is identified and amortized over the remaining life of the surviving assets.



SECTION 5

5 DETAILED DEPRECIATION CALCULATIONS

Canadian Pacific Railway - STB Company 3000

KW_PHDR_NUM021_122223_ALG_WholeLife

Account #: 13 - Fences, Snowsheds, and Signs

Survivor Curve: R4

ASL: 80

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1915	547,045.57	80.0	1.25%	6,838	4.41	0.9448	516,863	
1916	4,632.21	80.0	1.25%	58	4.67	0.9416	4,362	
1917	9,024.15	80.0	1.25%	113	4.93	0.9384	8,468	
1918	2,564.44	80.0	1.25%	32	5.20	0.9351	2,398	
1919	4,447.15	80.0	1.25%	56	5.46	0.9317	4,143	
1920	5,502.12	80.0	1.25%	69	5.73	0.9283	5,108	
1921	6,021.48	80.0	1.25%	75	6.00	0.9249	5,570	
1922	4,512.03	80.0	1.25%	56	6.28	0.9215	4,158	
1923	4,191.85	80.0	1.25%	52	6.56	0.9180	3,848	
1924	4,528.30	80.0	1.25%	57	6.85	0.9144	4,141	
1925	4,990.39	80.0	1.25%	62	7.14	0.9108	4,545	
1926	3,587.81	80.0	1.25%	45	7.44	0.9070	3,254	
1927	4,853.91	80.0	1.25%	61	7.75	0.9032	4,384	
1928	4,051.82	80.0	1.25%	51	8.06	0.8992	3,644	
1929	3,426.50	80.0	1.25%	43	8.38	0.8952	3,067	
1930	3,181.98	80.0	1.25%	40	8.72	0.8910	2,835	
1931	2,545.54	80.0	1.25%	32	9.07	0.8866	2,257	
1932	489.03	80.0	1.25%	6	9.43	0.8821	431	
1933	346.87	80.0	1.25%	4	9.81	0.8774	304	
1934	347.12	80.0	1.25%	4	10.20	0.8725	303	
1935	487.33	80.0	1.25%	6	10.61	0.8674	423	
1936	1,137.79	80.0	1.25%	14	11.04	0.8620	981	
1937	1,079.97	80.0	1.25%	13	11.48	0.8565	925	
1938	2,969.85	80.0	1.25%	37	11.95	0.8507	2,526	
1939	674.95	80.0	1.25%	8	12.43	0.8446	570	
1940	1,534.24	80.0	1.25%	19	12.94	0.8383	1,286	
1941	689.59	80.0	1.25%	9	13.47	0.8317	574	
1942	591.51	80.0	1.25%	7	14.01	0.8249	488	
1943	1,735.09	80.0	1.25%	22	14.58	0.8178	1,419	
1944	2,168.89	80.0	1.25%	27	15.16	0.8105	1,758	
1945	1,616.79	80.0	1.25%	20	15.77	0.8029	1,298	
1946	1,518.22	80.0	1.25%	19	16.39	0.7951	1,207	
1947	1,084.44	80.0	1.25%	14	17.02	0.7872	854	
1948	2,129.47	80.0	1.25%	27	17.67	0.7791	1,659	
1949	2,240.51	80.0	1.25%	28	18.34	0.7708	1,727	
1950	1,084.44	80.0	1.25%	14	19.01	0.7624	827	
1951	4,357.46	80.0	1.25%	54	19.69	0.7539	3,285	
1952	5,560.18	80.0	1.25%	70	20.38	0.7453	4,144	
1953	13,900.50	80.0	1.25%	174	21.07	0.7366	10,239	
1954	44,639.10	80.0	1.25%	558	21.78	0.7278	32,487	

Canadian Pacific Railway - STB Company 3000

KW_PHDR_NUM021_122223 ALG - Whole Life

Account #: 13 - Fences, Snowsheds, and Signs

Survivor Curve: R4

ASL: 80

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1955	2,357.87	80.0	1.25%	29	22.49	0.7188	1,695	
1956	2,956.23	80.0	1.25%	37	23.22	0.7098	2,098	
1957	2,415.14	80.0	1.25%	30	23.95	0.7006	1,692	
1958	4,038.89	80.0	1.25%	50	24.69	0.6914	2,792	
1959	4,897.84	80.0	1.25%	61	25.44	0.6820	3,340	
1960	2,740.79	80.0	1.25%	34	26.20	0.6725	1,843	
1961	4,242.75	80.0	1.25%	53	26.97	0.6628	2,812	
1962	685.29	80.0	1.25%	9	27.75	0.6531	448	
1963	1,303.63	80.0	1.25%	16	28.54	0.6432	839	
1964	2,169.04	80.0	1.25%	27	29.34	0.6332	1,374	
1965	2,172.67	80.0	1.25%	27	30.15	0.6231	1,354	
1966	877.04	80.0	1.25%	11	30.97	0.6129	538	
1967	1,310.21	80.0	1.25%	16	31.79	0.6026	790	
1968	88.15	80.0	1.25%	1	32.63	0.5922	52	
1969	1,198.45	80.0	1.25%	15	33.47	0.5816	697	
1970	4,575.75	80.0	1.25%	57	34.32	0.5709	2,613	
1971	2,480.22	80.0	1.25%	31	35.18	0.5602	1,389	
1972	1,362.14	80.0	1.25%	17	36.05	0.5493	748	
1973	1,383.07	80.0	1.25%	17	36.93	0.5384	745	
1974	1,895.12	80.0	1.25%	24	37.81	0.5273	999	
1975	1,410.06	80.0	1.25%	18	38.70	0.5162	728	
1976	1,300.48	80.0	1.25%	16	39.60	0.5050	657	
1977	1,934.20	80.0	1.25%	24	40.51	0.4937	955	
1978	1,627.01	80.0	1.25%	20	41.42	0.4823	785	
1979	201.71	80.0	1.25%	3	42.34	0.4708	95	
1980	1.19	80.0	1.25%	0	43.26	0.4593	1	
1981	846.10	80.0	1.25%	11	44.19	0.4476	379	
1982	31,865.43	80.0	1.25%	398	45.12	0.4360	13,892	
1985	416,134.66	80.0	1.25%	5,202	47.96	0.4005	166,679	
1986	703.06	80.0	1.25%	9	48.91	0.3886	273	
1988	38,450.35	80.0	1.25%	481	50.83	0.3647	14,021	
1989	4,662.30	80.0	1.25%	58	51.79	0.3526	1,644	
1990	211.70	80.0	1.25%	3	52.76	0.3405	72	
1991	15,344.89	80.0	1.25%	192	53.73	0.3284	5,039	
1992	14,758.43	80.0	1.25%	184	54.70	0.3162	4,667	
1993	21,719.82	80.0	1.25%	271	55.68	0.3040	6,603	
1994	12,711.55	80.0	1.25%	159	56.66	0.2918	3,709	
1996	2,430.00	80.0	1.25%	30	58.62	0.2672	649	
1997	134,040.56	80.0	1.25%	1,676	59.61	0.2549	34,170	
1998	13,101.31	80.0	1.25%	164	60.59	0.2426	3,178	

Canadian Pacific Railway - STB Company 3000

K:\W_1700\PHDR_NUM021_122223_Alg_Whole Life Attachment 4

Account #: 13 - Fences, Snowsheds, and Signs

Survivor Curve: R4

ASL: 80

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1999	41,620.97	80.0	1.25%	520	61.58	0.2302	9,583
2005	27,975.97	80.0	1.25%	350	67.53	0.1559	4,360
2006	50,253.55	80.0	1.25%	628	68.53	0.1434	7,207
2008	34,402.90	80.0	1.25%	430	70.52	0.1185	4,078
2010	366,127.17	80.0	1.25%	4,577	72.51	0.0936	34,270
2011	332,056.12	80.0	1.25%	4,151	73.51	0.0811	26,940
2012	75,935.18	80.0	1.25%	949	74.51	0.0687	5,214
2014	179,216.32	80.0	1.25%	2,240	76.50	0.0437	7,832
2015	31,566.82	80.0	1.25%	395	77.50	0.0312	985
2016	180,693.66	80.0	1.25%	2,259	78.50	0.0187	3,384
TOTAL	2,789,944.35			34,874			1,043,662
NET SALVAGE ADJUSTMENT				0			0
TOTAL				34,874			1,043,662

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.25%

Canadian Pacific Railway - STB Company 3000

KW_LPHDR_NUM021_122223_ALG_WholeLife

Account #: 16 - Station and Office Buildings

Attachment 4
Survivor Curve: L1.5

ASL: 29

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1915	8,089.79	29.0	3.45%	279	0.00	1.0000	8,090	
1917	201.91	29.0	3.45%	7	0.00	1.0000	202	
1920	440.69	29.0	3.45%	15	0.00	1.0000	441	
1921	142.21	29.0	3.45%	5	0.00	1.0000	142	
1922	15.47	29.0	3.45%	1	0.00	1.0000	15	
1923	94.62	29.0	3.45%	3	0.00	1.0000	95	
1924	175.25	29.0	3.45%	6	0.00	1.0000	175	
1925	279.95	29.0	3.45%	10	0.00	1.0000	280	
1926	26.28	29.0	3.45%	1	0.00	1.0000	26	
1927	332.79	29.0	3.45%	11	0.50	0.9828	327	
1928	873.92	29.0	3.45%	30	0.79	0.9728	850	
1929	346.93	29.0	3.45%	12	0.95	0.9671	336	
1930	251.00	29.0	3.45%	9	1.10	0.9621	241	
1931	170.40	29.0	3.45%	6	1.42	0.9512	162	
1932	147.06	29.0	3.45%	5	1.47	0.9495	140	
1933	118.07	29.0	3.45%	4	1.57	0.9460	112	
1937	33.18	29.0	3.45%	1	2.15	0.9260	31	
1938	334.89	29.0	3.45%	12	2.30	0.9206	308	
1939	7,883.03	29.0	3.45%	272	2.46	0.9153	7,215	
1940	539.30	29.0	3.45%	19	2.61	0.9101	491	
1941	398.83	29.0	3.45%	14	2.76	0.9049	361	
1942	38.61	29.0	3.45%	1	2.90	0.8999	35	
1943	75.33	29.0	3.45%	3	3.05	0.8949	67	
1944	1,542.08	29.0	3.45%	53	3.19	0.8899	1,372	
1945	74.79	29.0	3.45%	3	3.34	0.8849	66	
1946	109.61	29.0	3.45%	4	3.48	0.8800	96	
1947	462.42	29.0	3.45%	16	3.63	0.8749	405	
1948	498.67	29.0	3.45%	17	3.77	0.8699	434	
1949	30.70	29.0	3.45%	1	3.92	0.8647	27	
1950	232.10	29.0	3.45%	8	4.08	0.8595	199	
1951	36.73	29.0	3.45%	1	4.23	0.8541	31	
1953	595.35	29.0	3.45%	21	4.55	0.8431	502	
1954	200.87	29.0	3.45%	7	4.72	0.8374	168	
1955	12,211.38	29.0	3.45%	421	4.88	0.8317	10,156	
1957	2,033.17	29.0	3.45%	70	5.23	0.8197	1,667	
1958	25.26	29.0	3.45%	1	5.41	0.8136	21	
1960	201.60	29.0	3.45%	7	5.77	0.8010	161	
1962	1,553.34	29.0	3.45%	54	6.15	0.7879	1,224	
1964	24,182.44	29.0	3.45%	834	6.54	0.7743	18,725	
1966	12,452.49	29.0	3.45%	429	6.95	0.7603	9,467	

Canadian Pacific Railway - STB Company 3000

KAW_100 PHDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 16 - Station and Office Buildings

Survivor Curve: L1.5

ASL: 29

Net Salvage: 0%

Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----		Exp	----- Accrued Depreciation -----	
			Rate	Amount		Factor	Amount
TOTAL	40,616,589.59			1,400,572			9,753,662
NET SALVAGE ADJUSTMENT				0			0
TOTAL				1,400,572			9,753,662

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.45%

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG - Whole Life

Account #: 17 - Roadway Buildings

Survivor Curve: R2.5

ASL: 43

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average			----- Annual Accrual -----		----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount	
1900	93.94	43.0	2.33%	2	0.00	1.0000	94	
1915	98.56	43.0	2.33%	2	0.00	1.0000	99	
1925	7.71	43.0	2.33%	0	0.00	1.0000	8	
1926	116.77	43.0	2.33%	3	0.00	1.0000	117	
1930	53.90	43.0	2.33%	1	0.00	1.0000	54	
1932	53.95	43.0	2.33%	1	0.00	1.0000	54	
1941	99.88	43.0	2.33%	2	0.94	0.9782	98	
1942	94.49	43.0	2.33%	2	1.18	0.9726	92	
1947	55.78	43.0	2.33%	1	2.51	0.9417	53	
1949	1,570.29	43.0	2.33%	37	2.99	0.9305	1,461	
1953	1,928.00	43.0	2.33%	45	3.87	0.9100	1,754	
1954	3,259.26	43.0	2.33%	76	4.09	0.9049	2,949	
1955	477.40	43.0	2.33%	11	4.31	0.8998	430	
1957	3,324.65	43.0	2.33%	77	4.76	0.8893	2,957	
1980	8,447.36	43.0	2.33%	196	13.10	0.6953	5,873	
1983	6,240.19	43.0	2.33%	145	14.88	0.6539	4,080	
1985	67,187.02	43.0	2.33%	1,562	16.15	0.6244	41,949	
1990	11,294.68	43.0	2.33%	263	19.58	0.5447	6,152	
1991	11,234.42	43.0	2.33%	261	20.30	0.5278	5,930	
1992	232,311.18	43.0	2.33%	5,403	21.04	0.5107	118,634	
1993	210,319.38	43.0	2.33%	4,891	21.79	0.4933	103,742	
1994	639,680.02	43.0	2.33%	14,876	22.55	0.4756	304,213	
1997	295,124.77	43.0	2.33%	6,863	24.90	0.4210	124,246	
1998	104,158.71	43.0	2.33%	2,422	25.70	0.4023	41,904	
2000	20,166.39	43.0	2.33%	469	27.34	0.3643	7,346	
2002	190,699.54	43.0	2.33%	4,435	29.01	0.3253	62,039	
2004	18,008.02	43.0	2.33%	419	30.72	0.2855	5,142	
2005	5,075.60	43.0	2.33%	118	31.59	0.2654	1,347	
2007	327,572.94	43.0	2.33%	7,618	33.35	0.2245	73,531	
2010	35,650.00	43.0	2.33%	829	36.04	0.1619	5,771	
2013	2,002.50	43.0	2.33%	47	38.79	0.0979	196	
2015	123,770.00	43.0	2.33%	2,878	40.65	0.0547	6,768	
2016	80,899.00	43.0	2.33%	1,881	41.59	0.0329	2,660	
2017	44,211.51	43.0	2.33%	1,028	42.53	0.0110	486	
TOTAL	2,445,287.81			56,867			932,228	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				56,867			932,228	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.33%

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG - Whole Life

Account #: 19 - Fuel Stations

Survivor Curve: R3

ASL: 50

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average		----- Annual Accrual -----		----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount
1940	361.59	50.0	2.00%	7	1.70	0.9660	349
1942	1,378.65	50.0	2.00%	28	2.19	0.9562	1,318
1949	21,450.10	50.0	2.00%	429	3.97	0.9205	19,745
1952	22,867.34	50.0	2.00%	457	4.75	0.9050	20,695
1966	1,297.20	50.0	2.00%	26	9.41	0.8118	1,053
1968	1,150.34	50.0	2.00%	23	10.33	0.7934	913
1970	918.83	50.0	2.00%	18	11.32	0.7735	711
1973	3,664.46	50.0	2.00%	73	12.96	0.7408	2,715
1980	63,350.67	50.0	2.00%	1,267	17.38	0.6525	41,334
1984	19,347.47	50.0	2.00%	387	20.22	0.5955	11,522
1990	10,957.72	50.0	2.00%	219	24.85	0.5029	5,511
1992	21,230.14	50.0	2.00%	425	26.48	0.4703	9,985
1995	40,232.50	50.0	2.00%	805	29.00	0.4200	16,897
1996	187,374.31	50.0	2.00%	3,747	29.86	0.4028	75,477
1997	4,356,266.91	50.0	2.00%	87,125	30.73	0.3855	1,679,189
1998	19,359.56	50.0	2.00%	387	31.60	0.3679	7,123
1999	1,081,487.27	50.0	2.00%	21,630	32.49	0.3502	378,788
2000	363,247.33	50.0	2.00%	7,265	33.38	0.3324	120,739
2001	477,229.36	50.0	2.00%	9,545	34.28	0.3144	150,026
2002	414,849.61	50.0	2.00%	8,297	35.19	0.2962	122,878
2004	198,986.15	50.0	2.00%	3,980	37.03	0.2594	51,621
2005	47,103.38	50.0	2.00%	942	37.96	0.2408	11,344
2006	226,157.28	50.0	2.00%	4,523	38.89	0.2221	50,231
2007	112,629.35	50.0	2.00%	2,253	39.84	0.2033	22,894
2010	464,071.81	50.0	2.00%	9,281	42.69	0.1461	67,805
2011	433,193.96	50.0	2.00%	8,664	43.66	0.1269	54,956
2012	1,294,543.18	50.0	2.00%	25,891	44.62	0.1075	139,206
2014	898,708.90	50.0	2.00%	17,974	46.57	0.0686	61,694
2015	50,484.72	50.0	2.00%	1,010	47.54	0.0491	2,479
TOTAL	10,833,900.09			216,678			3,129,200

NET SALVAGE ADJUSTMENT	0	0
TOTAL	216,678	3,129,200

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.00%

Canadian Pacific Railway - STB Company 3000

K5 W 1 PHDR_NUM021_122223 ALG - Whole Life

Account #: 20 - Shops and Engine Houses

Survivor Curve: R2.5

ASL: 44

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 3%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1906	60,252.28	44.0	2.27%	1,369	0.00	1.0000	60,252
1912	4,304.55	44.0	2.27%	98	0.00	1.0000	4,305
1917	1,350.74	44.0	2.27%	31	0.00	1.0000	1,351
1919	211.55	44.0	2.27%	5	0.00	1.0000	212
1921	117.56	44.0	2.27%	3	0.00	1.0000	118
1922	135.90	44.0	2.27%	3	0.00	1.0000	136
1928	492.91	44.0	2.27%	11	0.00	1.0000	493
1930	1,341.72	44.0	2.27%	30	0.00	1.0000	1,342
1932	134.68	44.0	2.27%	3	0.00	1.0000	135
1933	1,174.12	44.0	2.27%	27	0.00	1.0000	1,174
1935	1,930.99	44.0	2.27%	44	0.00	1.0000	1,931
1937	2,054.70	44.0	2.27%	47	0.51	0.9884	2,031
1938	246.14	44.0	2.27%	6	0.67	0.9848	242
1939	51.67	44.0	2.27%	1	0.90	0.9796	51
1940	206.65	44.0	2.27%	5	1.15	0.9739	201
1941	1,037.47	44.0	2.27%	24	1.40	0.9682	1,004
1942	8,907.01	44.0	2.27%	202	1.66	0.9623	8,571
1943	730.96	44.0	2.27%	17	1.93	0.9562	699
1944	15,331.12	44.0	2.27%	348	2.20	0.9499	14,564
1945	7,937.42	44.0	2.27%	180	2.47	0.9439	7,492
1946	20.04	44.0	2.27%	0	2.72	0.9382	19
1947	477.11	44.0	2.27%	11	2.96	0.9326	445
1949	13,948.89	44.0	2.27%	317	3.42	0.9224	12,866
1950	24,952.09	44.0	2.27%	567	3.63	0.9174	22,892
1951	2,664.83	44.0	2.27%	61	3.85	0.9125	2,432
1952	518.78	44.0	2.27%	12	4.07	0.9075	471
1953	5,730.16	44.0	2.27%	130	4.29	0.9026	5,172
1954	102.55	44.0	2.27%	2	4.51	0.8975	92
1955	12,850.45	44.0	2.27%	292	4.74	0.8923	11,467
1956	11,648.05	44.0	2.27%	265	4.97	0.8871	10,334
1957	1,657.31	44.0	2.27%	38	5.20	0.8819	1,461
1959	4,189.03	44.0	2.27%	95	5.68	0.8709	3,648
1960	1,832.31	44.0	2.27%	42	5.93	0.8653	1,585
1961	1,014.32	44.0	2.27%	23	6.18	0.8594	872
1962	1,337.68	44.0	2.27%	30	6.45	0.8534	1,142
1969	10,199.28	44.0	2.27%	232	8.65	0.8033	8,193
1973	25,950.98	44.0	2.27%	590	10.29	0.7661	19,881
1977	3,485.87	44.0	2.27%	79	12.24	0.7217	2,516
1978	4,663.93	44.0	2.27%	106	12.78	0.7095	3,309
1979	21,486.15	44.0	2.27%	488	13.34	0.6969	14,974

Canadian Pacific Railway - STB Company 3000

KW_PHDR_NUM021_122223 ALG - Whole Life

Account #: 20 - Shops and Engine Houses

Survivor Curve: R2.5

ASL: 44

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 3%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average		----- Annual Accrual -----		----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount
1980	20,759.40	44.0	2.27%	472	13.91	0.6839	14,197
1981	5,824.01	44.0	2.27%	132	14.50	0.6705	3,905
1982	5,063.30	44.0	2.27%	115	15.11	0.6567	3,325
1983	497.81	44.0	2.27%	11	15.73	0.6425	320
1984	9,688.78	44.0	2.27%	220	16.37	0.6280	6,084
1985	804,782.22	44.0	2.27%	18,291	17.02	0.6131	493,423
1986	21,849.37	44.0	2.27%	497	17.69	0.5979	13,064
1987	46,822.72	44.0	2.27%	1,064	18.37	0.5824	27,271
1988	4,567.32	44.0	2.27%	104	19.07	0.5666	2,588
1989	93,325.53	44.0	2.27%	2,121	19.78	0.5505	51,379
1990	93,008.77	44.0	2.27%	2,114	20.50	0.5342	49,682
1991	43,048.22	44.0	2.27%	978	21.23	0.5175	22,278
1992	362,257.62	44.0	2.27%	8,233	21.97	0.5006	181,352
1993	328,962.76	44.0	2.27%	7,476	22.73	0.4834	159,034
1994	45,782.14	44.0	2.27%	1,041	23.50	0.4660	21,335
1995	231,175.01	44.0	2.27%	5,254	24.27	0.4484	103,650
1996	5,998,204.73	44.0	2.27%	136,323	25.06	0.4305	2,581,979
1997	1,277,495.19	44.0	2.27%	29,034	25.86	0.4123	526,737
1998	173,886.26	44.0	2.27%	3,952	26.67	0.3940	68,504
1999	293,712.62	44.0	2.27%	6,675	27.48	0.3754	110,255
2000	558,350.80	44.0	2.27%	12,690	28.31	0.3566	199,098
2001	623,343.35	44.0	2.27%	14,167	29.15	0.3376	210,426
2002	353,601.04	44.0	2.27%	8,036	29.99	0.3184	112,577
2003	171,801.94	44.0	2.27%	3,905	30.85	0.2990	51,364
2005	702,363.03	44.0	2.27%	15,963	32.58	0.2596	182,338
2006	235,920.97	44.0	2.27%	5,362	33.45	0.2397	56,542
2007	621,436.68	44.0	2.27%	14,124	34.34	0.2195	136,435
2008	142,558.68	44.0	2.27%	3,240	35.23	0.1993	28,408
2009	1,366,358.15	44.0	2.27%	31,054	36.13	0.1788	244,363
2010	150,039.41	44.0	2.27%	3,410	37.04	0.1583	23,747
2011	391,322.60	44.0	2.27%	8,894	37.95	0.1376	53,828
2012	318,798.05	44.0	2.27%	7,245	38.86	0.1167	37,206
2013	191,462.27	44.0	2.27%	4,351	39.79	0.0957	18,330
2014	265,148.48	44.0	2.27%	6,026	40.72	0.0746	19,793
2015	1,380,786.55	44.0	2.27%	31,382	41.65	0.0534	73,797
2016	263,861.02	44.0	2.27%	5,997	42.59	0.0321	8,480
2017	203,691.78	44.0	2.27%	4,629	43.53	0.0107	2,187

Canadian Pacific Railway - STB Company 3000

KAW_1700PHDR_NUM021_122223_ALG-Whole Life Attachment 4

Account #: 20 - Shops and Engine Houses

Survivor Curve: R2.5

ASL: 44

Net Salvage: 3%

Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----		Exp	----- Accrued Depreciation -----	
			Rate	Amount		Factor	Amount
TOTAL	18,058,238.53			410,415			6,129,354
NET SALVAGE ADJUSTMENT				-12,312			-183,881
TOTAL				398,102			5,945,474

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.20%

Canadian Pacific Railway - STB Company 3000

K5 W PHDR_NUM021_122223 ALG - Whole Life

Account #: 25B - TOFC/COFC Terminals

Survivor Curve: R4

ASL: 40

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1983	775,548.80	40.0	2.50%	19,389	9.00	0.7749	600,971
1985	5,641.89	40.0	2.50%	141	10.36	0.7409	4,180
1986	2,033,962.01	40.0	2.50%	50,849	11.07	0.7233	1,471,124
1988	12,848.76	40.0	2.50%	321	12.53	0.6866	8,823
1990	4,933.94	40.0	2.50%	123	14.07	0.6481	3,198
1992	16,269.11	40.0	2.50%	407	15.69	0.6077	9,888
1993	261,026.84	40.0	2.50%	6,526	16.53	0.5869	153,190
1995	549.78	40.0	2.50%	14	18.25	0.5439	299
1997	2,481,354.55	40.0	2.50%	62,034	20.03	0.4993	1,238,983
2000	6,441,357.10	40.0	2.50%	161,034	22.80	0.4301	2,770,328
2001	1,690,154.24	40.0	2.50%	42,254	23.74	0.4065	687,007
2002	36,146.84	40.0	2.50%	904	24.69	0.3826	13,832
2003	429,026.42	40.0	2.50%	10,726	25.65	0.3586	153,860
2004	219,354.00	40.0	2.50%	5,484	26.62	0.3344	73,360
2005	1,155,130.16	40.0	2.50%	28,878	27.60	0.3101	358,207
2006	596,775.00	40.0	2.50%	14,919	28.57	0.2856	170,463
2007	2,656,533.44	40.0	2.50%	66,413	29.56	0.2611	693,556
2008	2,506,854.67	40.0	2.50%	62,671	30.54	0.2364	592,676
2009	193,522.59	40.0	2.50%	4,838	31.53	0.2117	40,968
2011	446,966.79	40.0	2.50%	11,174	33.52	0.1621	72,442
2013	691,334.87	40.0	2.50%	17,283	35.51	0.1123	77,634
2014	1,980,849.76	40.0	2.50%	49,521	36.51	0.0874	173,060
2015	5,885,808.57	40.0	2.50%	147,145	37.50	0.0624	367,386
2016	108,367.00	40.0	2.50%	2,709	38.50	0.0375	4,059
2017	1,842,049.75	40.0	2.50%	46,051	39.50	0.0125	22,997
TOTAL	32,472,366.88			811,809			9,762,488
NET SALVAGE ADJUSTMENT				0			0
TOTAL				811,809			9,762,488

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.50%

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG - Whole Life

Account #: 26 - Communication Systems

Survivor Curve: R3

ASL: 22

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average		----- Annual Accrual -----		----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount
1985	99,543.42	22.0	4.55%	4,525	1.19	0.9459	94,157
1986	55,767.37	22.0	4.55%	2,535	1.44	0.9347	52,124
1987	117,654.79	22.0	4.55%	5,348	1.69	0.9233	108,631
1988	178,152.80	22.0	4.55%	8,098	1.94	0.9118	162,437
1989	102,684.56	22.0	4.55%	4,667	2.20	0.9001	92,427
1990	463,406.57	22.0	4.55%	21,064	2.47	0.8879	411,449
1991	818,804.55	22.0	4.55%	37,218	2.75	0.8749	716,347
1992	530,138.78	22.0	4.55%	24,097	3.07	0.8606	456,254
1993	648,344.99	22.0	4.55%	29,470	3.41	0.8449	547,801
1994	237,225.85	22.0	4.55%	10,783	3.80	0.8275	196,302
1995	29,316.41	22.0	4.55%	1,333	4.22	0.8082	23,693
1996	3,275,071.23	22.0	4.55%	148,867	4.69	0.7869	2,577,186
1997	884,714.59	22.0	4.55%	40,214	5.20	0.7637	675,624
1998	53,810.77	22.0	4.55%	2,446	5.75	0.7385	39,738
1999	2,413,756.70	22.0	4.55%	109,716	6.35	0.7114	1,717,261
2000	381,669.55	22.0	4.55%	17,349	6.98	0.6827	260,557
2001	388.32	22.0	4.55%	18	7.65	0.6523	253
2003	18,820.89	22.0	4.55%	855	9.08	0.5874	11,055
2004	43,423.36	22.0	4.55%	1,974	9.83	0.5530	24,011
2005	540,332.46	22.0	4.55%	24,561	10.62	0.5174	279,571
2006	483,724.86	22.0	4.55%	21,987	11.42	0.4807	232,548
2007	183,158.14	22.0	4.55%	8,325	12.25	0.4430	81,146
2008	960,828.08	22.0	4.55%	43,674	13.10	0.4043	388,504
2009	3,501,144.59	22.0	4.55%	159,143	13.98	0.3647	1,276,881
2010	1,700,148.98	22.0	4.55%	77,279	14.87	0.3242	551,178
2011	2,301,095.39	22.0	4.55%	104,595	15.78	0.2829	650,904
2012	2,498,650.43	22.0	4.55%	113,575	16.70	0.2408	601,712
2013	1,012,607.40	22.0	4.55%	46,028	17.64	0.1981	200,596
2014	7,156,415.63	22.0	4.55%	325,292	18.59	0.1548	1,107,948
2015	21,088,361.99	22.0	4.55%	958,562	19.56	0.1110	2,341,777
2016	1,774,478.82	22.0	4.55%	80,658	20.53	0.0669	118,656
2017	1,806,978.13	22.0	4.55%	82,135	21.51	0.0224	40,396
TOTAL	55,360,620.40			2,516,392			16,039,124
NET SALVAGE ADJUSTMENT				0			0
TOTAL				2,516,392			16,039,124

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 4.55%

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG - Whole Life

Account #: 27 - Signals and Interlockers

Survivor Curve: R1.5

ASL: 30

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1915	1,490.14	30.0	3.33%	50	0.00	1.0000	1,490
1929	161.30	30.0	3.33%	5	0.00	1.0000	161
1932	193.02	30.0	3.33%	6	0.00	1.0000	193
1964	53,864.74	30.0	3.33%	1,795	2.18	0.9272	49,942
1965	556.48	30.0	3.33%	19	2.42	0.9194	512
1966	1,378.13	30.0	3.33%	46	2.64	0.9121	1,257
1967	2,404.46	30.0	3.33%	80	2.86	0.9046	2,175
1968	17,720.12	30.0	3.33%	591	3.10	0.8968	15,891
1971	3,745.59	30.0	3.33%	125	3.86	0.8713	3,264
1972	37,072.78	30.0	3.33%	1,236	4.13	0.8623	31,966
1973	21,260.87	30.0	3.33%	709	4.41	0.8529	18,134
1974	23.12	30.0	3.33%	1	4.70	0.8433	19
1976	41,127.36	30.0	3.33%	1,371	5.30	0.8234	33,866
1978	69,496.38	30.0	3.33%	2,317	5.93	0.8024	55,764
1980	153,799.32	30.0	3.33%	5,127	6.60	0.7800	119,956
1981	53,659.96	30.0	3.33%	1,789	6.96	0.7681	41,216
1982	6,444.13	30.0	3.33%	215	7.33	0.7558	4,870
1983	216,364.69	30.0	3.33%	7,212	7.71	0.7429	160,746
1985	1,787,317.11	30.0	3.33%	59,577	8.53	0.7157	1,279,120
1986	423,242.71	30.0	3.33%	14,108	8.96	0.7012	296,773
1987	3,779,285.88	30.0	3.33%	125,976	9.42	0.6861	2,593,070
1988	2,542,728.89	30.0	3.33%	84,758	9.89	0.6705	1,704,866
1989	363,961.73	30.0	3.33%	12,132	10.37	0.6543	238,128
1990	3,172,338.50	30.0	3.33%	105,745	10.88	0.6375	2,022,215
1991	2,661,319.18	30.0	3.33%	88,711	11.40	0.6201	1,650,194
1992	2,100,317.39	30.0	3.33%	70,011	11.94	0.6021	1,264,636
1993	2,269,672.87	30.0	3.33%	75,656	12.49	0.5836	1,324,566
1994	622,567.91	30.0	3.33%	20,752	13.06	0.5645	351,458
1995	713,016.17	30.0	3.33%	23,767	13.65	0.5449	388,551
1996	1,981,021.38	30.0	3.33%	66,034	14.26	0.5248	1,039,673
1997	4,024,557.84	30.0	3.33%	134,152	14.87	0.5042	2,029,175
1998	664,654.88	30.0	3.33%	22,155	15.51	0.4831	321,096
1999	1,114,642.55	30.0	3.33%	37,155	16.15	0.4615	514,435
2000	2,584,094.82	30.0	3.33%	86,136	16.81	0.4395	1,135,726
2001	1,093,418.54	30.0	3.33%	36,447	17.49	0.4171	456,028
2002	615,355.61	30.0	3.33%	20,512	18.17	0.3942	242,576
2003	2,121,626.66	30.0	3.33%	70,721	18.87	0.3710	787,041
2004	602,250.21	30.0	3.33%	20,075	19.58	0.3474	209,195
2005	2,569,513.86	30.0	3.33%	85,650	20.30	0.3234	830,960
2006	1,900,681.63	30.0	3.33%	63,356	21.03	0.2991	568,507

Canadian Pacific Railway - STB Company 3000

KW_100 PHDR_NUM021_122223 ALG - Whole Life

Account #: 27 - Signals and Interlockers

Survivor Curve: R1.5

ASL: 30

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	958,950.59	30.0	3.33%	31,965	21.76	0.2745	263,250
2008	3,837,656.95	30.0	3.33%	127,922	22.51	0.2496	957,995
2009	2,551,118.47	30.0	3.33%	85,037	23.27	0.2245	572,648
2010	2,788,700.92	30.0	3.33%	92,957	24.03	0.1990	555,076
2011	3,479,361.34	30.0	3.33%	115,979	24.80	0.1733	603,131
2012	3,976,891.69	30.0	3.33%	132,563	25.58	0.1474	586,141
2013	4,352,507.82	30.0	3.33%	145,084	26.36	0.1212	527,394
2014	28,445,555.28	30.0	3.33%	948,185	27.16	0.0947	2,693,352
2015	28,054,665.48	30.0	3.33%	935,156	27.96	0.0679	1,906,149
2016	29,661,077.55	30.0	3.33%	988,703	28.77	0.0410	1,214,629
2017	19,605,398.14	30.0	3.33%	653,513	29.59	0.0137	268,458
TOTAL	168,100,233.14			5,603,341			31,937,637
NET SALVAGE ADJUSTMENT				0			0
TOTAL				5,603,341			31,937,637

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.33%

Canadian Pacific Railway - STB Company 3000

KAW_1710 PHDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 29 - Power Plants

Survivor Curve: R2

ASL: 43

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1997	10,907.00	43.0	2.33%	254	25.88	0.3981	4,342	
TOTAL	10,907.00			254			4,342	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				254			4,342	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.33%

Canadian Pacific Railway - STB Company 3000

KW_PHDR_NUM021_122223 ALG - Whole Life

Account #: 3 - Grading

Survivor Curve: R5

ASL: 100

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1915	7,472,890.08	100.0	1.00%	74,729	8.87	0.9113	6,809,915
1916	78,519.46	100.0	1.00%	785	9.29	0.9071	71,229
1917	167,078.49	100.0	1.00%	1,671	9.72	0.9028	150,845
1918	47,187.58	100.0	1.00%	472	10.16	0.8984	42,392
1919	82,337.13	100.0	1.00%	823	10.63	0.8937	73,585
1920	101,869.67	100.0	1.00%	1,019	11.11	0.8889	90,550
1921	111,485.62	100.0	1.00%	1,115	11.61	0.8839	98,538
1922	85,313.10	100.0	1.00%	853	12.13	0.8787	74,963
1923	76,627.57	100.0	1.00%	766	12.67	0.8733	66,919
1924	83,839.82	100.0	1.00%	838	13.23	0.8677	72,752
1925	85,342.25	100.0	1.00%	853	13.80	0.8620	73,566
1926	59,198.57	100.0	1.00%	592	14.39	0.8561	50,679
1927	82,036.68	100.0	1.00%	820	15.00	0.8500	69,730
1928	68,514.07	100.0	1.00%	685	15.63	0.8437	57,805
1929	58,597.72	100.0	1.00%	586	16.28	0.8372	49,060
1930	49,582.68	100.0	1.00%	496	16.94	0.8306	41,183
1931	39,666.00	100.0	1.00%	397	17.62	0.8238	32,676
1932	7,813.11	100.0	1.00%	78	18.32	0.8168	6,382
1933	5,409.13	100.0	1.00%	54	19.04	0.8096	4,379
1934	5,409.13	100.0	1.00%	54	19.77	0.8023	4,340
1935	7,512.65	100.0	1.00%	75	20.51	0.7949	5,971
1936	17,528.54	100.0	1.00%	175	21.28	0.7872	13,799
1937	16,637.42	100.0	1.00%	166	22.05	0.7795	12,969
1938	45,752.68	100.0	1.00%	458	22.84	0.7716	35,302
1939	7,084.79	100.0	1.00%	71	23.64	0.7636	5,410
1940	22,876.34	100.0	1.00%	229	24.46	0.7554	17,281
1941	10,333.73	100.0	1.00%	103	25.29	0.7471	7,721
1942	8,912.91	100.0	1.00%	89	26.13	0.7387	6,584
1943	26,144.42	100.0	1.00%	261	26.97	0.7303	19,092
1944	32,680.65	100.0	1.00%	327	27.83	0.7217	23,584
1945	24,361.72	100.0	1.00%	244	28.70	0.7130	17,369
1946	22,876.34	100.0	1.00%	229	29.58	0.7042	16,109
1947	16,527.45	100.0	1.00%	165	30.47	0.6953	11,492
1948	32,454.07	100.0	1.00%	325	31.36	0.6864	22,275
1949	34,147.13	100.0	1.00%	341	32.27	0.6773	23,129
1950	16,527.45	100.0	1.00%	165	33.18	0.6682	11,044
1951	66,410.51	100.0	1.00%	664	34.10	0.6590	43,766
1952	84,741.11	100.0	1.00%	847	35.02	0.6498	55,062
1953	211,852.89	100.0	1.00%	2,119	35.96	0.6404	135,679
1954	673,224.10	100.0	1.00%	6,732	36.89	0.6311	424,839

Canadian Pacific Railway - STB Company 3000

K5_W_1000_PHDR_NUM021_122223_ALG-WholeLife

Account #: 3 - Grading

Survivor Curve: R5

ASL: 100

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1955	36,157.45	100.0	1.00%	362	37.84	0.6216	22,476
1956	45,055.08	100.0	1.00%	451	38.79	0.6121	27,578
1957	36,834.55	100.0	1.00%	368	39.75	0.6025	22,194
1958	61,555.25	100.0	1.00%	616	40.71	0.5929	36,497
1959	74,646.48	100.0	1.00%	746	41.67	0.5833	43,538
1960	39,352.55	100.0	1.00%	394	42.64	0.5736	22,571
1961	61,001.73	100.0	1.00%	610	43.62	0.5638	34,393
1962	9,839.05	100.0	1.00%	98	44.60	0.5540	5,451
1963	18,951.33	100.0	1.00%	190	45.58	0.5442	10,314
1964	31,143.38	100.0	1.00%	311	46.56	0.5344	16,642
1965	31,552.46	100.0	1.00%	316	47.55	0.5245	16,550
1966	12,592.51	100.0	1.00%	126	48.54	0.5146	6,480
1967	19,027.52	100.0	1.00%	190	49.53	0.5047	9,603
1968	1,266.89	100.0	1.00%	13	50.52	0.4948	627
1969	17,404.47	100.0	1.00%	174	51.52	0.4848	8,438
1970	65,698.68	100.0	1.00%	657	52.51	0.4749	31,199
1971	36,019.10	100.0	1.00%	360	53.51	0.4649	16,746
1972	19,557.57	100.0	1.00%	196	54.51	0.4549	8,898
1973	20,085.54	100.0	1.00%	201	55.50	0.4450	8,937
1974	27,209.91	100.0	1.00%	272	56.50	0.4350	11,836
1975	20,245.74	100.0	1.00%	202	57.50	0.4250	8,604
1976	18,886.27	100.0	1.00%	189	58.50	0.4150	7,838
1977	27,771.28	100.0	1.00%	278	59.50	0.4050	11,247
1978	23,628.43	100.0	1.00%	236	60.50	0.3950	9,333
1979	2,896.14	100.0	1.00%	29	61.50	0.3850	1,115
1980	16.96	100.0	1.00%	0	62.50	0.3750	6
1981	12,148.02	100.0	1.00%	121	63.50	0.3650	4,434
1982	713,295.05	100.0	1.00%	7,133	64.50	0.3550	253,225
1983	2,115.58	100.0	1.00%	21	65.50	0.3450	730
1985	5,671,677.48	100.0	1.00%	56,717	67.50	0.3250	1,843,337
1987	203,757.86	100.0	1.00%	2,038	69.50	0.3050	62,148
1988	4,765.54	100.0	1.00%	48	70.50	0.2950	1,406
1989	13,316.78	100.0	1.00%	133	71.50	0.2850	3,795
1990	161,883.35	100.0	1.00%	1,619	72.50	0.2750	44,519
1991	110,316.05	100.0	1.00%	1,103	73.50	0.2650	29,235
1992	1,083,331.80	100.0	1.00%	10,833	74.50	0.2550	276,258
1993	1,672,222.13	100.0	1.00%	16,722	75.50	0.2450	409,707
1994	1,731,640.27	100.0	1.00%	17,316	76.50	0.2350	406,948
1995	415,142.09	100.0	1.00%	4,151	77.50	0.2250	93,410
1996	2,306,969.25	100.0	1.00%	23,070	78.50	0.2150	496,015

Canadian Pacific Railway - STB Company 3000

KW_100 PHDR_NUM021_122223 ALG - Whole Life

Account #: 3 - Grading

Survivor Curve: R5

ASL: 100

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1997	6,464,479.47	100.0	1.00%	64,645	79.50	0.2050	1,325,266
1998	2,307,646.60	100.0	1.00%	23,076	80.50	0.1950	450,008
1999	900,241.51	100.0	1.00%	9,002	81.50	0.1850	166,551
2000	803,862.20	100.0	1.00%	8,039	82.50	0.1750	140,682
2001	390,926.19	100.0	1.00%	3,909	83.50	0.1650	64,506
2002	431,961.02	100.0	1.00%	4,320	84.50	0.1550	66,957
2003	992,924.72	100.0	1.00%	9,929	85.50	0.1450	143,981
2004	1,083,764.62	100.0	1.00%	10,838	86.50	0.1350	146,316
2005	2,108,632.97	100.0	1.00%	21,086	87.50	0.1250	263,595
2006	1,101,634.64	100.0	1.00%	11,016	88.50	0.1150	126,696
2007	1,631,775.83	100.0	1.00%	16,318	89.50	0.1050	171,348
2008	978,834.83	100.0	1.00%	9,788	90.50	0.0950	92,996
2009	1,527,870.94	100.0	1.00%	15,279	91.50	0.0850	129,880
2010	958,051.06	100.0	1.00%	9,581	92.50	0.0750	71,861
2011	23,712,601.92	100.0	1.00%	237,126	93.50	0.0650	1,541,493
2012	10,715,230.38	100.0	1.00%	107,152	94.50	0.0550	589,416
2013	1,928,999.49	100.0	1.00%	19,290	95.50	0.0450	86,819
2014	7,450,645.76	100.0	1.00%	74,506	96.50	0.0350	260,827
2015	17,506,279.33	100.0	1.00%	175,063	97.50	0.0250	437,785
2016	2,813,653.78	100.0	1.00%	28,137	98.50	0.0150	42,225
2017	2,690,752.09	100.0	1.00%	26,908	99.50	0.0050	13,474
TOTAL	113,509,051.68			1,135,091			19,506,925
NET SALVAGE ADJUSTMENT				0			0
TOTAL				1,135,091			19,506,925

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.00%

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG-Whole Life

Account #: 31 - Power-transmission Systems

Survivor Curve: L2

ASL: 52

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1915	26,972.33	52.0	1.92%	519	8.37	0.8390	22,631
1926	2,883.65	52.0	1.92%	55	10.69	0.7945	2,291
1936	186.78	52.0	1.92%	4	12.97	0.7505	140
1943	282.67	52.0	1.92%	5	14.68	0.7176	203
1947	386.11	52.0	1.92%	7	15.69	0.6983	270
1951	2,315.27	52.0	1.92%	45	16.70	0.6789	1,572
1952	63.09	52.0	1.92%	1	16.95	0.6741	43
1953	120.05	52.0	1.92%	2	17.20	0.6693	80
1954	4,143.14	52.0	1.92%	80	17.45	0.6645	2,753
1955	3,246.46	52.0	1.92%	62	17.70	0.6597	2,142
1956	520.87	52.0	1.92%	10	17.94	0.6549	341
1961	1,435.77	52.0	1.92%	28	19.16	0.6315	907
1968	1,252.67	52.0	1.92%	24	20.84	0.5992	751
1976	3,122.73	52.0	1.92%	60	22.95	0.5587	1,745
1980	1,877.14	52.0	1.92%	36	24.22	0.5343	1,003
1983	34,121.01	52.0	1.92%	656	25.34	0.5128	17,496
1990	840.15	52.0	1.92%	16	28.72	0.4478	376
1991	112,971.83	52.0	1.92%	2,173	29.30	0.4365	49,307
1992	16,253.16	52.0	1.92%	313	29.92	0.4246	6,901
1993	19,075.92	52.0	1.92%	367	30.57	0.4122	7,862
1994	94,907.74	52.0	1.92%	1,825	31.24	0.3992	37,886
1996	94,128.02	52.0	1.92%	1,810	32.67	0.3717	34,984
1997	652,885.98	52.0	1.92%	12,555	33.43	0.3572	233,197
2003	348,205.65	52.0	1.92%	6,696	38.33	0.2629	91,550
2005	140,024.12	52.0	1.92%	2,693	40.07	0.2294	32,126
2006	25,460.00	52.0	1.92%	490	40.96	0.2123	5,405
2008	97,592.47	52.0	1.92%	1,877	42.78	0.1773	17,306
2009	52,605.99	52.0	1.92%	1,012	43.71	0.1595	8,390
2010	78,834.98	52.0	1.92%	1,516	44.65	0.1414	11,147
2014	1,753,612.93	52.0	1.92%	33,723	48.52	0.0670	117,436
2015	1,252,266.14	52.0	1.92%	24,082	49.51	0.0479	60,040
2017	1,487,231.96	52.0	1.92%	28,601	51.50	0.0096	14,296
TOTAL	6,309,826.78			121,343			782,574
NET SALVAGE ADJUSTMENT				0			0
TOTAL				121,343			782,574

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.92%

Canadian Pacific Railway - STB Company 3000

KW_100 PHDR_NUM021_122223 ALG - Whole Life

Account #: 35 - Miscellaneous Structures

Survivor Curve: R1.5

ASL: 35

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average		----- Annual Accrual -----			----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount	
1950	864.89	35.0	2.86%	25	1.00	0.9713	840	
1965	625.30	35.0	2.86%	18	4.98	0.8577	536	
1974	4,388.32	35.0	2.86%	125	7.79	0.7775	3,412	
1978	44,030.17	35.0	2.86%	1,258	9.29	0.7345	32,339	
1990	995.74	35.0	2.86%	28	15.19	0.5659	564	
1997	73,958.85	35.0	2.86%	2,113	19.56	0.4411	32,624	
1999	100,560.79	35.0	2.86%	2,873	20.92	0.4024	40,468	
2000	645,429.18	35.0	2.86%	18,441	21.61	0.3826	246,972	
2001	329,398.87	35.0	2.86%	9,411	22.31	0.3626	119,434	
2004	108,810.00	35.0	2.86%	3,109	24.47	0.3009	32,737	
2005	420,491.71	35.0	2.86%	12,014	25.21	0.2798	117,661	
2006	545,116.45	35.0	2.86%	15,575	25.95	0.2586	140,945	
2007	24,605.30	35.0	2.86%	703	26.70	0.2371	5,834	
2009	174,074.47	35.0	2.86%	4,974	28.23	0.1936	33,694	
2010	83,990.00	35.0	2.86%	2,400	29.00	0.1715	14,405	
2011	238,823.22	35.0	2.86%	6,824	29.78	0.1493	35,646	
2012	20,000.00	35.0	2.86%	571	30.56	0.1268	2,536	
2013	315,916.10	35.0	2.86%	9,026	31.35	0.1042	32,912	
2015	2,165,900.47	35.0	2.86%	61,883	32.96	0.0583	126,354	
2016	315,688.27	35.0	2.86%	9,020	33.77	0.0351	11,091	
2017	284,539.23	35.0	2.86%	8,130	34.59	0.0117	3,341	
TOTAL	5,898,207.33			168,520			1,034,345	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				168,520			1,034,345	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.86%

Canadian Pacific Railway - STB Company 3000

KW_000001 PHDR_NUM021_122223 ALG - Whole Life

Account #: 39 - Public Improvements; Construction

Survivor Curve: L0.5

ASL: 45

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1914	90.60	45.0	2.22%	2	11.28	0.7494	68
1915	996,836.13	45.0	2.22%	22,152	11.40	0.7467	744,316
1916	78.36	45.0	2.22%	2	11.53	0.7439	58
1917	1,385.77	45.0	2.22%	31	11.66	0.7409	1,027
1918	832.00	45.0	2.22%	18	11.79	0.7380	614
1919	143.97	45.0	2.22%	3	11.93	0.7350	106
1920	135.14	45.0	2.22%	3	12.06	0.7319	99
1921	3,287.30	45.0	2.22%	73	12.21	0.7287	2,396
1922	4,606.21	45.0	2.22%	102	12.35	0.7255	3,342
1923	3,556.97	45.0	2.22%	79	12.50	0.7222	2,569
1924	20,512.09	45.0	2.22%	456	12.65	0.7189	14,747
1925	10,993.21	45.0	2.22%	244	12.80	0.7155	7,866
1926	6,309.79	45.0	2.22%	140	12.96	0.7121	4,493
1927	12,328.44	45.0	2.22%	274	13.12	0.7085	8,735
1928	7,847.35	45.0	2.22%	174	13.28	0.7049	5,532
1929	5,601.73	45.0	2.22%	124	13.44	0.7013	3,928
1930	1,335.81	45.0	2.22%	30	13.61	0.6976	932
1931	6,473.78	45.0	2.22%	144	13.78	0.6938	4,491
1932	2,246.69	45.0	2.22%	50	13.95	0.6899	1,550
1933	11,339.99	45.0	2.22%	252	14.13	0.6860	7,779
1934	503.86	45.0	2.22%	11	14.31	0.6821	344
1935	4,437.32	45.0	2.22%	99	14.49	0.6780	3,009
1936	1,775.93	45.0	2.22%	39	14.67	0.6739	1,197
1937	1,248.12	45.0	2.22%	28	14.86	0.6697	836
1938	1,409.03	45.0	2.22%	31	15.05	0.6655	938
1939	660.05	45.0	2.22%	15	15.24	0.6612	436
1940	1,686.51	45.0	2.22%	37	15.44	0.6569	1,108
1941	307.25	45.0	2.22%	7	15.64	0.6524	200
1942	802.19	45.0	2.22%	18	15.84	0.6480	520
1943	5,485.44	45.0	2.22%	122	16.05	0.6434	3,530
1944	667.99	45.0	2.22%	15	16.25	0.6388	427
1945	816.51	45.0	2.22%	18	16.46	0.6341	518
1946	3,763.77	45.0	2.22%	84	16.68	0.6294	2,369
1947	1,157.64	45.0	2.22%	26	16.89	0.6246	723
1948	2,952.46	45.0	2.22%	66	17.11	0.6198	1,830
1949	988.37	45.0	2.22%	22	17.33	0.6148	608
1950	5,500.40	45.0	2.22%	122	17.56	0.6098	3,354
1951	5,436.02	45.0	2.22%	121	17.79	0.6048	3,288
1952	35.27	45.0	2.22%	1	18.02	0.5996	21
1953	3.08	45.0	2.22%	0	18.25	0.5945	2

Canadian Pacific Railway - STB Company 3000

KW_1 PHDR_NUM021_122223 ALG - Whole Life

Account #: 39 - Public Improvements; Construction

Survivor Curve: L0.5

ASL: 45

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1954	4,119.17	45.0	2.22%	92	18.49	0.5892	2,427	
1955	9,640.42	45.0	2.22%	214	18.73	0.5839	5,629	
1956	3,747.13	45.0	2.22%	83	18.97	0.5785	2,168	
1957	33,111.46	45.0	2.22%	736	19.21	0.5730	18,973	
1958	29,626.90	45.0	2.22%	658	19.46	0.5675	16,813	
1959	2,648.55	45.0	2.22%	59	19.72	0.5619	1,488	
1960	3,152.43	45.0	2.22%	70	19.97	0.5562	1,753	
1961	12,002.30	45.0	2.22%	267	20.23	0.5505	6,607	
1962	6,509.60	45.0	2.22%	145	20.49	0.5447	3,546	
1963	10,016.51	45.0	2.22%	223	20.76	0.5388	5,397	
1964	18,538.17	45.0	2.22%	412	21.02	0.5328	9,877	
1965	1,399.72	45.0	2.22%	31	21.29	0.5268	737	
1966	16,395.36	45.0	2.22%	364	21.57	0.5207	8,537	
1967	14,816.70	45.0	2.22%	329	21.85	0.5145	7,623	
1968	5,851.71	45.0	2.22%	130	22.13	0.5082	2,974	
1969	1,972.30	45.0	2.22%	44	22.41	0.5019	990	
1970	18,119.28	45.0	2.22%	403	22.70	0.4955	8,978	
1971	27,349.17	45.0	2.22%	608	22.99	0.4890	13,374	
1972	3,911.33	45.0	2.22%	87	23.29	0.4824	1,887	
1973	40,586.49	45.0	2.22%	902	23.59	0.4758	19,310	
1974	9,859.66	45.0	2.22%	219	23.89	0.4691	4,625	
1975	2,060.28	45.0	2.22%	46	24.20	0.4622	952	
1976	12,575.17	45.0	2.22%	279	24.51	0.4553	5,726	
1977	36.73	45.0	2.22%	1	24.82	0.4483	16	
1978	4,208.98	45.0	2.22%	94	25.14	0.4413	1,857	
1979	23,044.58	45.0	2.22%	512	25.46	0.4341	10,004	
1980	4,514.80	45.0	2.22%	100	25.79	0.4269	1,927	
1981	2,126.43	45.0	2.22%	47	26.12	0.4195	892	
1982	2,513.78	45.0	2.22%	56	26.46	0.4121	1,036	
1983	3,606.68	45.0	2.22%	80	26.79	0.4046	1,459	
1984	22,315.45	45.0	2.22%	496	27.14	0.3970	8,858	
1985	316,846.21	45.0	2.22%	7,041	27.48	0.3892	123,329	
1986	982,199.54	45.0	2.22%	21,827	27.84	0.3814	374,640	
1987	128,606.10	45.0	2.22%	2,858	28.19	0.3735	48,037	
1988	404,754.23	45.0	2.22%	8,995	28.55	0.3655	147,945	
1989	753,116.56	45.0	2.22%	16,736	28.92	0.3574	269,173	
1990	261,661.54	45.0	2.22%	5,815	29.29	0.3492	91,373	
1991	840,640.14	45.0	2.22%	18,681	29.66	0.3409	286,566	
1992	401,437.39	45.0	2.22%	8,921	30.04	0.3325	133,459	
1993	682,590.71	45.0	2.22%	15,169	30.43	0.3239	221,063	

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG - Whole Life

Account #: 39 - Public Improvements; Construction

Survivor Curve: L0.5

ASL: 45

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average		----- Annual Accrual -----		----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount
1994	726,933.38	45.0	2.22%	16,154	30.82	0.3151	229,038
1995	352,528.50	45.0	2.22%	7,834	31.23	0.3061	107,898
1996	463,085.76	45.0	2.22%	10,291	31.64	0.2968	137,449
1997	520,307.98	45.0	2.22%	11,562	32.07	0.2873	149,472
1998	210,897.00	45.0	2.22%	4,687	32.52	0.2774	58,511
1999	507,814.55	45.0	2.22%	11,285	32.97	0.2673	135,724
2000	873,403.22	45.0	2.22%	19,409	33.45	0.2567	224,242
2001	1,507,652.20	45.0	2.22%	33,503	33.94	0.2458	370,644
2002	799,886.04	45.0	2.22%	17,775	34.45	0.2346	187,616
2003	2,404,592.26	45.0	2.22%	53,435	34.97	0.2229	535,896
2004	2,250,406.07	45.0	2.22%	50,009	35.52	0.2108	474,300
2005	3,388,119.14	45.0	2.22%	75,292	36.08	0.1982	671,586
2006	5,064,414.41	45.0	2.22%	112,543	36.66	0.1852	938,142
2007	3,269,536.61	45.0	2.22%	72,656	37.27	0.1718	561,796
2008	3,202,565.89	45.0	2.22%	71,168	37.89	0.1580	505,899
2009	3,252,137.23	45.0	2.22%	72,270	38.54	0.1436	467,138
2010	4,470,589.20	45.0	2.22%	99,346	39.20	0.1288	575,991
2011	3,801,147.56	45.0	2.22%	84,470	39.89	0.1136	431,699
2012	4,406,455.00	45.0	2.22%	97,921	40.60	0.0978	430,963
2013	11,573,970.94	45.0	2.22%	257,199	41.33	0.0815	943,658
2014	1,575,797.66	45.0	2.22%	35,018	42.09	0.0647	101,933
2015	4,995,020.83	45.0	2.22%	111,000	42.87	0.0472	235,973
2016	3,656,283.66	45.0	2.22%	81,251	43.69	0.0291	106,385
2017	4,598,737.79	45.0	2.22%	102,194	44.55	0.0100	46,212
TOTAL	74,130,091.08			1,647,335			11,340,099
NET SALVAGE ADJUSTMENT				0			0
TOTAL				1,647,335			11,340,099

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.22%

Canadian Pacific Railway - STB Company 3000

KRW_LPHDR_NUM021_122223_ALG-WholeLife

Account #: 4 - Other Right-of-Way Expenditures

Attachment 4
Survivor Curve: L0.5

ASL: 59

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1915	46,189.69	59.0	1.69%	783	20.07	0.6599	30,479
1921	718.24	59.0	1.69%	12	21.28	0.6393	459
1922	1,077.83	59.0	1.69%	18	21.49	0.6358	685
1923	17,255.12	59.0	1.69%	292	21.70	0.6322	10,909
1924	417.26	59.0	1.69%	7	21.91	0.6286	262
1925	935.71	59.0	1.69%	16	22.13	0.6249	585
1926	653.74	59.0	1.69%	11	22.35	0.6212	406
1927	369.90	59.0	1.69%	6	22.57	0.6175	228
1928	563.56	59.0	1.69%	10	22.79	0.6137	346
1929	403.71	59.0	1.69%	7	23.02	0.6099	246
1930	422.26	59.0	1.69%	7	23.25	0.6060	256
1931	227.45	59.0	1.69%	4	23.47	0.6021	137
1932	2,757.48	59.0	1.69%	47	23.71	0.5982	1,649
1933	182.78	59.0	1.69%	3	23.94	0.5942	109
1934	186.29	59.0	1.69%	3	24.18	0.5902	110
1935	191.56	59.0	1.69%	3	24.42	0.5862	112
1936	161.03	59.0	1.69%	3	24.66	0.5821	94
1937	85.20	59.0	1.69%	1	24.90	0.5780	49
1938	158.44	59.0	1.69%	3	25.15	0.5738	91
1939	155.49	59.0	1.69%	3	25.39	0.5696	89
1940	135.01	59.0	1.69%	2	25.64	0.5653	76
1941	205.33	59.0	1.69%	3	25.90	0.5611	115
1942	134.46	59.0	1.69%	2	26.15	0.5567	75
1943	209.73	59.0	1.69%	4	26.41	0.5524	116
1944	150.88	59.0	1.69%	3	26.67	0.5480	83
1945	172.54	59.0	1.69%	3	26.93	0.5435	94
1946	182.34	59.0	1.69%	3	27.20	0.5390	98
1947	74.03	59.0	1.69%	1	27.47	0.5345	40
1948	881.20	59.0	1.69%	15	27.74	0.5299	467
1949	488.03	59.0	1.69%	8	28.01	0.5253	256
1950	45.99	59.0	1.69%	1	28.28	0.5206	24
1951	634.92	59.0	1.69%	11	28.56	0.5159	328
1952	204.30	59.0	1.69%	3	28.84	0.5111	104
1953	277.12	59.0	1.69%	5	29.13	0.5063	140
1954	15.40	59.0	1.69%	0	29.41	0.5015	8
1955	504.90	59.0	1.69%	9	29.70	0.4966	251
1956	562.78	59.0	1.69%	10	29.99	0.4917	277
1957	117.54	59.0	1.69%	2	30.28	0.4867	57
1958	78.70	59.0	1.69%	1	30.58	0.4817	38
1959	109.35	59.0	1.69%	2	30.88	0.4766	52

Canadian Pacific Railway - STB Company 3000

KRW_1000PHDR_NUM021_122223_ALG-WholeLife

Account #: 4 - Other Right-of-Way Expenditures

Survivor Curve: L0.5

ASL: 59

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1960	248.89	59.0	1.69%	4	31.18	0.4715	117	
1961	9.80	59.0	1.69%	0	31.49	0.4663	5	
1962	74.17	59.0	1.69%	1	31.80	0.4611	34	
1964	9.79	59.0	1.69%	0	32.42	0.4505	4	
1965	7.70	59.0	1.69%	0	32.74	0.4451	3	
1966	7.70	59.0	1.69%	0	33.06	0.4397	3	
1967	52.13	59.0	1.69%	1	33.38	0.4343	23	
1968	7.70	59.0	1.69%	0	33.70	0.4287	3	
1969	159.17	59.0	1.69%	3	34.03	0.4232	67	
1970	43.89	59.0	1.69%	1	34.37	0.4175	18	
1971	33.00	59.0	1.69%	1	34.70	0.4119	14	
1972	93.13	59.0	1.69%	2	35.04	0.4061	38	
1979	72.46	59.0	1.69%	1	37.50	0.3644	26	
1982	34,970.77	59.0	1.69%	593	38.60	0.3457	12,090	
1985	32,977.97	59.0	1.69%	559	39.74	0.3264	10,763	
1986	53,700.99	59.0	1.69%	910	40.14	0.3197	17,170	
1987	10,587.52	59.0	1.69%	179	40.53	0.3130	3,314	
1988	10,321.62	59.0	1.69%	175	40.94	0.3061	3,159	
1989	1,009.97	59.0	1.69%	17	41.36	0.2990	302	
1990	27,151.91	59.0	1.69%	460	41.78	0.2919	7,924	
1991	2,638.65	59.0	1.69%	45	42.22	0.2845	751	
1992	1,227.27	59.0	1.69%	21	42.66	0.2769	340	
1993	13,033.13	59.0	1.69%	221	43.12	0.2692	3,509	
1994	24,698.80	59.0	1.69%	419	43.59	0.2613	6,453	
1995	13,966.08	59.0	1.69%	237	44.07	0.2531	3,535	
1998	77,220.42	59.0	1.69%	1,309	45.59	0.2273	17,551	
1999	105,321.02	59.0	1.69%	1,785	46.13	0.2182	22,981	
2000	36,561.75	59.0	1.69%	620	46.68	0.2089	7,637	
2001	234,598.43	59.0	1.69%	3,976	47.24	0.1993	46,759	
2002	148,868.77	59.0	1.69%	2,523	47.82	0.1895	28,207	
2003	204,658.23	59.0	1.69%	3,469	48.42	0.1794	36,714	
2005	99,803.47	59.0	1.69%	1,692	49.65	0.1584	15,814	
2006	65,842.36	59.0	1.69%	1,116	50.29	0.1476	9,716	
2007	209,437.61	59.0	1.69%	3,550	50.95	0.1364	28,574	
2008	55,730.95	59.0	1.69%	945	51.62	0.1250	6,967	
2009	129,068.47	59.0	1.69%	2,188	52.31	0.1133	14,625	
2010	299,992.65	59.0	1.69%	5,085	53.02	0.1013	30,395	
2011	843,467.76	59.0	1.69%	14,296	53.75	0.0891	75,114	
2012	36,501.83	59.0	1.69%	619	54.49	0.0764	2,791	
2013	174,183.58	59.0	1.69%	2,952	55.25	0.0635	11,065	

Canadian Pacific Railway - STB Company 3000

KAW_1000 PHDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 4 - Other Right-of-Way Expenditures

Survivor Curve: L0.5

ASL: 59

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2015	140,101.81	59.0	1.69%	2,375	56.84	0.0366	5,125	
2017	208,441.99	59.0	1.69%	3,533	58.55	0.0077	1,604	
TOTAL	3,375,202.60			57,207			481,305	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				57,207			481,305	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.69%

Canadian Pacific Railway - STB Company 3000

KW_1000 PHDR_NUM021_122223 ALG - Whole Life

Account #: 44 - Shop Machinery

Survivor Curve: L1.5

ASL: 27

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 9%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average		----- Annual Accrual -----		----- Accrued Depreciation -----	
		Life	Rate	Amount	Exp	Factor	Amount
1905	37.73	27.0	3.70%	1	0.00	1.0000	38
1913	54.67	27.0	3.70%	2	0.00	1.0000	55
1915	2,634.12	27.0	3.70%	98	0.00	1.0000	2,634
1917	192.05	27.0	3.70%	7	0.00	1.0000	192
1924	114.35	27.0	3.70%	4	0.00	1.0000	114
1927	224.70	27.0	3.70%	8	0.00	1.0000	225
1929	380.66	27.0	3.70%	14	0.00	1.0000	381
1938	512.33	27.0	3.70%	19	1.38	0.9489	486
1940	205.32	27.0	3.70%	8	1.62	0.9399	193
1943	85.65	27.0	3.70%	3	2.07	0.9232	79
1946	39.82	27.0	3.70%	1	2.53	0.9063	36
1947	206.18	27.0	3.70%	8	2.68	0.9008	186
1948	598.23	27.0	3.70%	22	2.82	0.8955	536
1949	2,458.94	27.0	3.70%	91	2.97	0.8902	2,189
1950	348.52	27.0	3.70%	13	3.11	0.8848	308
1951	750.25	27.0	3.70%	28	3.25	0.8795	660
1952	1,151.30	27.0	3.70%	43	3.40	0.8741	1,006
1953	284.02	27.0	3.70%	11	3.55	0.8686	247
1955	902.49	27.0	3.70%	33	3.85	0.8574	774
1956	450.97	27.0	3.70%	17	4.01	0.8516	384
1960	566.14	27.0	3.70%	21	4.67	0.8272	468
1974	1,044.09	27.0	3.70%	39	7.44	0.7244	756
1978	3,083.55	27.0	3.70%	114	8.38	0.6897	2,127
1979	619.08	27.0	3.70%	23	8.62	0.6806	421
1980	1,425.39	27.0	3.70%	53	8.87	0.6714	957
1981	3,038.65	27.0	3.70%	113	9.12	0.6622	2,012
1982	1,609.80	27.0	3.70%	60	9.38	0.6528	1,051
1985	316,556.36	27.0	3.70%	11,724	10.15	0.6241	197,570
1986	8,427.23	27.0	3.70%	312	10.41	0.6145	5,178
1987	5,235.29	27.0	3.70%	194	10.67	0.6048	3,166
1988	9,839.39	27.0	3.70%	364	10.93	0.5950	5,855
1990	80,058.22	27.0	3.70%	2,965	11.46	0.5754	46,067
1991	41,411.96	27.0	3.70%	1,534	11.73	0.5655	23,418
1992	23,485.26	27.0	3.70%	870	12.00	0.5554	13,044
1993	70,840.00	27.0	3.70%	2,624	12.28	0.5451	38,618
1994	78,824.62	27.0	3.70%	2,919	12.57	0.5346	42,140
1995	48,797.82	27.0	3.70%	1,807	12.86	0.5237	25,557
1996	116,050.17	27.0	3.70%	4,298	13.16	0.5124	59,468
1997	420,673.72	27.0	3.70%	15,581	13.48	0.5006	210,580
1998	99,552.81	27.0	3.70%	3,687	13.82	0.4881	48,588

Canadian Pacific Railway - STB Company 3000

KW_100 PHDR_NUM021_122223 ALG - Whole Life Attachment 4

Account #: 44 - Shop Machinery

Survivor Curve: L1.5

ASL: 27

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 9%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1999	60,384.61	27.0	3.70%	2,236	14.18	0.4748	28,669
2000	615,002.97	27.0	3.70%	22,778	14.56	0.4606	283,255
2001	81,854.44	27.0	3.70%	3,032	14.98	0.4454	36,455
2002	178,424.05	27.0	3.70%	6,608	15.42	0.4290	76,547
2003	952,629.25	27.0	3.70%	35,283	15.89	0.4114	391,899
2005	198,842.91	27.0	3.70%	7,365	16.97	0.3716	73,894
2006	47,484.33	27.0	3.70%	1,759	17.57	0.3493	16,588
2007	703,288.63	27.0	3.70%	26,048	18.21	0.3255	228,902
2008	341,946.33	27.0	3.70%	12,665	18.90	0.3001	102,627
2010	254,433.84	27.0	3.70%	9,423	20.37	0.2456	62,488
2011	245,528.05	27.0	3.70%	9,094	21.15	0.2165	53,159
2012	146,864.00	27.0	3.70%	5,439	21.97	0.1862	27,341
2013	747,536.84	27.0	3.70%	27,687	22.83	0.1546	115,584
2014	57,950.00	27.0	3.70%	2,146	23.71	0.1219	7,065
2015	414,971.76	27.0	3.70%	15,369	24.62	0.0881	36,567
2016	843,248.03	27.0	3.70%	31,231	25.56	0.0534	45,025
2017	393,775.35	27.0	3.70%	14,584	26.52	0.0179	7,056
TOTAL	7,626,937.24			282,479			2,330,885
NET SALVAGE ADJUSTMENT				-25,423			-209,780
TOTAL				257,056			2,121,106

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.37%

Canadian Pacific Railway - STB Company 3000

KAW_1700PHDR_NUM021_122223_ALG-Whole Life Attachment 4

Account #: 45 - Power-Plant Machinery

Survivor Curve: R5

ASL: 37

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1980	368,598.34	37.0	2.70%	9,962	3.47	0.9062	334,031	
2008	17,199.35	37.0	2.70%	465	27.50	0.2568	4,416	
TOTAL	385,797.69			10,427			338,447	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				10,427			338,447	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.70%

Canadian Pacific Railway - STB Company 3000

KAW_1700PHDR_NUM021_122223_ALG-Whole Life Attachment 4

Account #: 5 - Tunnels and Subways

Survivor Curve: SQ

ASL: 86

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1985	340,091.45	86.0	1.16%	3,955	53.50	0.3779	128,523	
1992	2,088,994.74	86.0	1.16%	24,291	60.50	0.2965	619,411	
2002	15,894.79	86.0	1.16%	185	70.50	0.1802	2,865	
2005	148,840.36	86.0	1.16%	1,731	73.50	0.1453	21,634	
TOTAL	2,593,821.34			30,161			772,433	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				30,161			772,433	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.16%

Canadian Pacific Railway - STB Company 3000

KAW_2019 PHDR_NUM021_122223 ALG - Whole Life Attachment 4

Account #: 59 - Computer Systems and Word Processing Equipment

Survivor Curve: R2.5

ASL: 6

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2011	39,414.45	6.0	16.67%	6,569	1.26	0.7893	31,110
2012	645,443.25	6.0	16.67%	107,574	1.70	0.7159	462,091
2013	388,396.79	6.0	16.67%	64,733	2.29	0.6185	240,239
2014	4,365,886.06	6.0	16.67%	727,648	2.99	0.5023	2,193,020
2015	4,998,596.44	6.0	16.67%	833,099	3.77	0.3716	1,857,668
2016	7,615,935.83	6.0	16.67%	1,269,323	4.62	0.2293	1,746,362
2017	6,653,019.31	6.0	16.67%	1,108,837	5.53	0.0780	518,993
TOTAL	24,706,692.13			4,117,782			7,049,482
NET SALVAGE ADJUSTMENT				0			0
TOTAL				4,117,782			7,049,482

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 16.67%

Canadian Pacific Railway - STB Company 2600

K:\W\CP\PHDR_NUM021_122223_Alg_Whole Life Attachment 4

Account #: 13 - FENCES, SNOWSHEDS, AND SIGNS

Survivor Curve: R4

ASL: 80

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2010	68,691.77	80.0	1.25%	859	72.51	0.0936	6,430
2011	43,783.38	80.0	1.25%	547	73.51	0.0811	3,552
2013	56,540.24	80.0	1.25%	707	75.51	0.0562	3,176
2014	92,656.55	80.0	1.25%	1,158	76.50	0.0437	4,049
2015	4,651.50	80.0	1.25%	58	77.50	0.0312	145
2017	30,946.87	80.0	1.25%	387	79.50	0.0062	193
TOTAL	297,270.31			3,716			17,546
NET SALVAGE ADJUSTMENT				0			0
TOTAL				3,716			17,546

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.25%

Canadian Pacific Railway - STB Company 2600

K:\W\2017\PHDR_NUM021_122223_16 - Whole Life

Account #: 16 - STATION AND OFFICE BUILDINGS

Survivor Curve: L1.5

ASL: 29

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	1,341,189.65	29.0	3.45%	46,248	20.09	0.3073	412,096
2008	236,720.26	29.0	3.45%	8,163	20.80	0.2828	66,945
2009	57,879.68	29.0	3.45%	1,996	21.54	0.2573	14,891
2011	188,768.29	29.0	3.45%	6,509	23.11	0.2031	38,331
2012	443,882.58	29.0	3.45%	15,306	23.94	0.1744	77,394
2013	869,102.34	29.0	3.45%	29,969	24.81	0.1446	125,663
2014	1,352,950.44	29.0	3.45%	46,653	25.70	0.1139	154,036
2015	567,662.09	29.0	3.45%	19,575	26.62	0.0822	46,659
2016	1,617,294.18	29.0	3.45%	55,769	27.56	0.0498	80,477
2017	247,889.61	29.0	3.45%	8,548	28.52	0.0167	4,136
TOTAL	6,923,339.12			238,736			1,020,627
NET SALVAGE ADJUSTMENT				0			0
TOTAL				238,736			1,020,627

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.45%

Canadian Pacific Railway - STB Company 2600

K:\W\CP\PHDR_NUM021_122223_ALG_WholeLife

Account #: 17 - ROADWAY BUILDINGS

Survivor Curve: R2.5

ASL: 43

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2007	352,241.60	43.0	2.33%	8,192	33.35	0.2245	79,069	
TOTAL	352,241.60			8,192			79,069	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				8,192			79,069	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.33%

Canadian Pacific Railway - STB Company 2600

K:\W\CP\PHDR_NUM021_122223_ALG - Whole Life Attachment 4

Account #: 18 - WATER STATIONS

Survivor Curve: L3

ASL: 35

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2007	16,569.97	35.0	2.86%	473	24.65	0.2958	4,902	
2008	16,494.50	35.0	2.86%	471	25.60	0.2687	4,432	
TOTAL	33,064.47			945			9,333	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				945			9,333	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.86%

Canadian Pacific Railway - STB Company 2600

Kr W PHDR_NUM021_122223 Attachment 4

Account #: 19 - FUEL STATIONS

ALG - Whole Life

Survivor Curve: R3

ASL: 50

Net Salvage: 0%

Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	12,727.22	50.0	2.00%	255	39.84	0.2033	2,587
2010	40,000.00	50.0	2.00%	800	42.69	0.1461	5,844
2011	170,775.16	50.0	2.00%	3,416	43.66	0.1269	21,665
2012	11,510.61	50.0	2.00%	230	44.62	0.1075	1,238
2013	56,436.43	50.0	2.00%	1,129	45.59	0.0881	4,973
2015	3,392,461.49	50.0	2.00%	67,849	47.54	0.0491	166,581
2016	4,068,375.81	50.0	2.00%	81,368	48.52	0.0295	120,021
TOTAL	7,752,286.72			155,046			322,910
NET SALVAGE ADJUSTMENT				0			0
TOTAL				155,046			322,910

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.00%

Canadian Pacific Railway - STB Company 2600

K:\W\2017\PHDR_NUM021_122223_Alg_WholeLife

Account #: 20 - SHOPS AND ENGINEHOUSES

Survivor Curve: R2.5

ASL: 44

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 3%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	1,133,683.27	44.0	2.27%	25,766	34.34	0.2195	248,898
2008	63,858.13	44.0	2.27%	1,451	35.23	0.1993	12,725
2010	249,504.32	44.0	2.27%	5,671	37.04	0.1583	39,489
2016	135,689.01	44.0	2.27%	3,084	42.59	0.0321	4,361
2017	12,944.70	44.0	2.27%	294	43.53	0.0107	139
TOTAL	1,595,679.43			36,265			305,612
NET SALVAGE ADJUSTMENT				-1,088			-9,168
TOTAL				35,177			296,444

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.20%

Canadian Pacific Railway - STB Company 2600

K:\W\2017\PHDR_NUM021_122223_Alg-WholeLife

Account #: 26 - COMMUNICATIONS SYSTEMS

Survivor Curve: R3

ASL: 22

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	998,970.27	22.0	4.55%	45,408	12.25	0.4430	442,583
2008	41,499.08	22.0	4.55%	1,886	13.10	0.4043	16,780
2009	1,129,920.92	22.0	4.55%	51,360	13.98	0.3647	412,087
2010	1,352,589.36	22.0	4.55%	61,481	14.87	0.3242	438,501
2011	772,284.28	22.0	4.55%	35,104	15.78	0.2829	218,454
2012	1,506,084.87	22.0	4.55%	68,458	16.70	0.2408	362,688
2013	489,763.22	22.0	4.55%	22,262	17.64	0.1981	97,021
2014	1,319,701.77	22.0	4.55%	59,986	18.59	0.1548	204,315
2015	2,473,108.76	22.0	4.55%	112,414	19.56	0.1110	274,629
2016	10,612,780.64	22.0	4.55%	482,399	20.53	0.0669	709,656
2017	18,285,570.66	22.0	4.55%	831,162	21.51	0.0224	408,787
TOTAL	38,982,273.83			1,771,922			3,585,499
NET SALVAGE ADJUSTMENT				0			0
TOTAL				1,771,922			3,585,499

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 4.55%

Canadian Pacific Railway - STB Company 2600

K:\W\2017\PHDR_NUM021_122223_Alg_Whole Life

Survivor Curve: R1.5

ASL: 30

Net Salvage: 0%

Truncation Year:

Account #: 27 - SIGNALS AND INTERLOCKERS

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	4,788,964.85	30.0	3.33%	159,632	21.76	0.2745	1,314,662
2008	2,741,971.93	30.0	3.33%	91,399	22.51	0.2496	684,479
2009	2,352,922.29	30.0	3.33%	78,431	23.27	0.2245	528,159
2010	1,615,204.67	30.0	3.33%	53,840	24.03	0.1990	321,498
2011	2,978,257.26	30.0	3.33%	99,275	24.80	0.1733	516,267
2012	1,410,747.69	30.0	3.33%	47,025	25.58	0.1474	207,926
2013	965,274.68	30.0	3.33%	32,176	26.36	0.1212	116,962
2014	3,505,880.71	30.0	3.33%	116,863	27.16	0.0947	331,952
2015	6,929,040.61	30.0	3.33%	230,968	27.96	0.0679	470,788
2016	1,401,039.07	30.0	3.33%	46,701	28.77	0.0410	57,373
2017	8,445,087.22	30.0	3.33%	281,503	29.59	0.0137	115,639
TOTAL	37,134,390.98			1,237,813			4,665,705
NET SALVAGE ADJUSTMENT				0			0
TOTAL				1,237,813			4,665,705

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.33%

Canadian Pacific Railway - STB Company 2600

K:\W\2017\PHDR_NUM021_122223_Alg-WholeLife

Account #: 3 - GRADING

Attachment 4
Survivor Curve: R5

ASL: 100

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	970,155.11	100.0	1.00%	9,702	89.50	0.1050	101,873
2009	143,238.87	100.0	1.00%	1,432	91.50	0.0850	12,176
2010	1,134,342.17	100.0	1.00%	11,343	92.50	0.0750	85,084
2011	2,240,272.22	100.0	1.00%	22,403	93.50	0.0650	145,634
2012	274,812.81	100.0	1.00%	2,748	94.50	0.0550	15,117
2013	2,807,009.18	100.0	1.00%	28,070	95.50	0.0450	126,336
2014	1,085,744.96	100.0	1.00%	10,857	96.50	0.0350	38,009
2015	3,539,896.75	100.0	1.00%	35,399	97.50	0.0250	88,523
2016	621,757.17	100.0	1.00%	6,218	98.50	0.0150	9,331
2017	2,836,739.71	100.0	1.00%	28,367	99.50	0.0050	14,205
TOTAL	15,653,968.95			156,540			636,288
NET SALVAGE ADJUSTMENT				0			0
TOTAL				156,540			636,288

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.00%

Canadian Pacific Railway - STB Company 2600

K:\W\PHDR_NUM021_122223_Attachment 4

Account #: 31 - POWER TRANSMISSION SYSTEMS

ALG - Whole Life
Survivor Curve: L2

ASL: 52

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2012	53,845.23	52.0	1.92%	1,035	46.56	0.1046	5,630	
2013	129,636.38	52.0	1.92%	2,493	47.54	0.0858	11,129	
TOTAL	183,481.61			3,528			16,759	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				3,528			16,759	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.92%

Canadian Pacific Railway - STB Company 2600

K:\W\CP\PHDR_NUM021_122223_Alg_WholeLife

Account #: 35 - MISCELLANEOUS STRUCTURES

Survivor Curve: R1.5

ASL: 35

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	10,776.95	35.0	2.86%	308	26.70	0.2371	2,555
2009	43,279.73	35.0	2.86%	1,237	28.23	0.1936	8,377
2010	666.23	35.0	2.86%	19	29.00	0.1715	114
2011	2,075.16	35.0	2.86%	59	29.78	0.1493	310
2016	52,439.50	35.0	2.86%	1,498	33.77	0.0351	1,842
TOTAL	109,237.57			3,121			13,199
NET SALVAGE ADJUSTMENT				0			0
TOTAL				3,121			13,199

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.86%

Canadian Pacific Railway - STB Company 2600

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Attachment 4
Survivor Curve: L0.5

Account #: 39 - PUBLIC IMPROVEMENTS - CONSTRUCTION

ASL: 45

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	5,293,834.90	45.0	2.22%	117,641	37.27	0.1718	909,625
2008	1,208,771.81	45.0	2.22%	26,862	37.89	0.1580	190,946
2010	334,346.24	45.0	2.22%	7,430	39.20	0.1288	43,077
2011	2,655,241.72	45.0	2.22%	59,005	39.89	0.1136	301,558
2012	3,428,668.90	45.0	2.22%	76,193	40.60	0.0978	335,333
2013	1,228,862.77	45.0	2.22%	27,308	41.33	0.0815	100,193
2014	1,522,170.64	45.0	2.22%	33,826	42.09	0.0647	98,465
2015	2,498,202.14	45.0	2.22%	55,516	42.87	0.0472	118,019
2017	3,012,464.53	45.0	2.22%	66,944	44.55	0.0100	30,272
TOTAL	21,182,563.65			470,724			2,127,487
NET SALVAGE ADJUSTMENT				0			0
TOTAL				470,724			2,127,487

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.22%

Canadian Pacific Railway - STB Company 2600

Kr W PHDR_NUM021_122223 Attachment 4

Account #: 4 - OTHER RIGHT-OF-WAY EXPENDITURES

ALG - Whole Life
Survivor Curve: L0.5
ASL: 59
Net Salvage: 0%
Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION
BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	503,460.00	59.0	1.69%	8,533	50.95	0.1364	68,688
2011	21,196.54	59.0	1.69%	359	53.75	0.0891	1,888
2012	424,661.17	59.0	1.69%	7,198	54.49	0.0764	32,465
2014	326,848.48	59.0	1.69%	5,540	56.03	0.0503	16,428
TOTAL	1,276,166.19			21,630			119,468
NET SALVAGE ADJUSTMENT				0			0
TOTAL				21,630			119,468

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.69%

Canadian Pacific Railway - STB Company 2600

K:\W\CP\PHDR_NUM021_122223_ALG_WholeLife

Attachment 4
Survivor Curve: L1

Account #: 44 - SHOP MACHINERY

ASL: 27

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 9%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2007	1,054,572.92	27.0	3.70%	39,058	19.01	0.2959	312,073
2008	438,419.60	27.0	3.70%	16,238	19.57	0.2751	120,590
2011	85,424.84	27.0	3.70%	3,164	21.52	0.2029	17,331
2012	72,611.07	27.0	3.70%	2,689	22.26	0.1755	12,746
2013	500,043.18	27.0	3.70%	18,520	23.04	0.1466	73,326
2014	20,575.00	27.0	3.70%	762	23.86	0.1162	2,392
2015	273,208.93	27.0	3.70%	10,119	24.72	0.0845	23,074
2016	63,329.70	27.0	3.70%	2,346	25.61	0.0514	3,257
TOTAL	2,508,185.24			92,896			564,790
NET SALVAGE ADJUSTMENT				-8,361			-50,831
TOTAL				84,535			513,959

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.37%

Canadian Pacific Railway - STB Company 2600

K:\W\2017\PHDR_NUM021_122223_Alg_Whole Life Attachment 4

Account #: 59 - COMPUTER EQUIPMENT

Survivor Curve: R2.5

ASL: 6

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2009	190,903.89	6.0	16.67%	31,817	0.75	0.8755	167,137
2011	27,569.17	6.0	16.67%	4,595	1.26	0.7893	21,760
2012	953.60	6.0	16.67%	159	1.70	0.7159	683
2014	93,681.04	6.0	16.67%	15,614	2.99	0.5023	47,057
2015	279,180.48	6.0	16.67%	46,530	3.77	0.3716	103,754
2016	113,075.83	6.0	16.67%	18,846	4.62	0.2293	25,929
2017	106,090.29	6.0	16.67%	17,682	5.53	0.0780	8,276
TOTAL	811,454.30			135,242			374,596
NET SALVAGE ADJUSTMENT				0			0
TOTAL				135,242			374,596

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 16.67%

Canadian Pacific Railway - STB Company 4000

K:\W\R\PHDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 13 - Fences, Snowsheds, and Signs

Survivor Curve: R4

ASL: 80

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
2009	7,934.23	80.0	1.25%	99	71.51	0.1061	842
2012	22,509.84	80.0	1.25%	281	74.51	0.0687	1,545
TOTAL	30,444.07			381			2,387
NET SALVAGE ADJUSTMENT				0			0
TOTAL				381			2,387

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.25%

Canadian Pacific Railway - STB Company 4000

K:\W\R\PHDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 16 - Station and Office Buildings

Survivor Curve: L1.5

ASL: 29

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1991	127,513.33	29.0	3.45%	4,397	13.14	0.5470	69,744
2006	18,120.15	29.0	3.45%	625	19.41	0.3305	5,989
2008	19,062.01	29.0	3.45%	657	20.80	0.2828	5,391
2009	64,674.68	29.0	3.45%	2,230	21.54	0.2573	16,639
2010	41,976.68	29.0	3.45%	1,447	22.31	0.2307	9,684
2011	61,855.69	29.0	3.45%	2,133	23.11	0.2031	12,560
2016	27,650.00	29.0	3.45%	953	27.56	0.0498	1,376
2017	1,074,743.18	29.0	3.45%	37,060	28.52	0.0167	17,930
TOTAL	1,435,595.72			49,503			139,314
NET SALVAGE ADJUSTMENT				0			0
TOTAL				49,503			139,314

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.45%

Canadian Pacific Railway - STB Company 4000

K:\W\RD\PHDR_NUM021_122223_ALG_WholeLife

Account #: 17 - Roadway Buildings

Survivor Curve: R2.5

ASL: 43

Net Salvage: 0%

Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2015	149,474.81	43.0	2.33%	3,476	40.65	0.0547	8,174	
TOTAL	149,474.81			3,476			8,174	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				3,476			8,174	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.33%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_ALG_WholeLife

Account #: 20 - Shops and Engine Houses

Survivor Curve: R2.5

ASL: 44

Net Salvage: 3%

Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1991	1,131.82	44.0	2.27%	26	21.23	0.5175	586
1998	37,544.36	44.0	2.27%	853	26.67	0.3940	14,791
2005	195,207.64	44.0	2.27%	4,437	32.58	0.2596	50,677
2017	25,945.14	44.0	2.27%	590	43.53	0.0107	279
TOTAL	259,828.96			5,905			66,333
NET SALVAGE ADJUSTMENT				-177			-1,990
TOTAL				5,728			64,343

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.20%

Canadian Pacific Railway - STB Company 4000

K:\W_R\CPDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 25B - TOFC/COFC Terminals

Survivor Curve: R4

ASL: 40

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1992	22,761.29	40.0	2.50%	569	15.69	0.6077	13,833
1993	7,200.31	40.0	2.50%	180	16.53	0.5869	4,226
2000	32,011.50	40.0	2.50%	800	22.80	0.4301	13,768
2002	43,500.00	40.0	2.50%	1,088	24.69	0.3826	16,645
2003	89,493.25	40.0	2.50%	2,237	25.65	0.3586	32,095
2004	2,690,801.76	40.0	2.50%	67,270	26.62	0.3344	899,901
TOTAL	2,885,768.11			72,144			980,468
NET SALVAGE ADJUSTMENT				0			0
TOTAL				72,144			980,468

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.50%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_Alg_WholeLife

Account #: 26 - Communication Systems

Survivor Curve: R3

ASL: 22

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1991	29,546.97	22.0	4.55%	1,343	2.75	0.8749	25,850
1992	50,899.95	22.0	4.55%	2,314	3.07	0.8606	43,806
1998	55,437.83	22.0	4.55%	2,520	5.75	0.7385	40,939
2000	41,258.70	22.0	4.55%	1,875	6.98	0.6827	28,166
2004	476,897.31	22.0	4.55%	21,677	9.83	0.5530	263,706
2006	18,794.63	22.0	4.55%	854	11.42	0.4807	9,035
2007	1,130,787.75	22.0	4.55%	51,399	12.25	0.4430	500,983
2009	53,335.16	22.0	4.55%	2,424	13.98	0.3647	19,452
2010	333,199.82	22.0	4.55%	15,145	14.87	0.3242	108,021
2011	1,416,420.91	22.0	4.55%	64,383	15.78	0.2829	400,659
2012	701,263.96	22.0	4.55%	31,876	16.70	0.2408	168,875
2013	67,795.08	22.0	4.55%	3,082	17.64	0.1981	13,430
2014	2,417.72	22.0	4.55%	110	18.59	0.1548	374
2015	5,857,991.52	22.0	4.55%	266,272	19.56	0.1110	650,506
2016	24,243.42	22.0	4.55%	1,102	20.53	0.0669	1,621
2017	25,062.07	22.0	4.55%	1,139	21.51	0.0224	560
TOTAL	10,285,352.80			467,516			2,275,985
NET SALVAGE ADJUSTMENT				0			0
TOTAL				467,516			2,275,985

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 4.55%

Canadian Pacific Railway - STB Company 4000

Know Your PHDR_NUM021_122223 Attachment 4

Account #: 27 - Signals and Interlockers

ALG - Whole Life
Survivor Curve: R1.5

ASL: 30

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1991	441,191.62	30.0	3.33%	14,706	11.40	0.6201	273,568	
1992	60,265.95	30.0	3.33%	2,009	11.94	0.6021	36,287	
1994	29,276.11	30.0	3.33%	976	13.06	0.5645	16,527	
1995	89,768.92	30.0	3.33%	2,992	13.65	0.5449	48,919	
1996	241,086.21	30.0	3.33%	8,036	14.26	0.5248	126,526	
1997	66,191.53	30.0	3.33%	2,206	14.87	0.5042	33,374	
1998	22,104.17	30.0	3.33%	737	15.51	0.4831	10,679	
2001	160,069.12	30.0	3.33%	5,336	17.49	0.4171	66,759	
2002	40,623.97	30.0	3.33%	1,354	18.17	0.3942	16,014	
2005	4,302.94	30.0	3.33%	143	20.30	0.3234	1,392	
2006	107,624.29	30.0	3.33%	3,587	21.03	0.2991	32,191	
2007	661,463.19	30.0	3.33%	22,049	21.76	0.2745	181,584	
2008	99,918.64	30.0	3.33%	3,331	22.51	0.2496	24,943	
2009	978,555.88	30.0	3.33%	32,619	23.27	0.2245	219,656	
2010	361,815.16	30.0	3.33%	12,061	24.03	0.1990	72,017	
2011	343,925.94	30.0	3.33%	11,464	24.80	0.1733	59,618	
2012	562,289.28	30.0	3.33%	18,743	25.58	0.1474	82,874	
2013	4,854,052.18	30.0	3.33%	161,802	26.36	0.1212	588,166	
2014	5,384,563.40	30.0	3.33%	179,485	27.16	0.0947	509,835	
2015	1,666,322.28	30.0	3.33%	55,544	27.96	0.0679	113,217	
2016	160,444.34	30.0	3.33%	5,348	28.77	0.0410	6,570	
2017	2,740,776.21	30.0	3.33%	91,359	29.59	0.0137	37,530	
TOTAL	19,076,631.33			635,888			2,558,245	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				635,888			2,558,245	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.33%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_16-Whole Life Attachment 4

Account #: 3 - Grading

Survivor Curve: R5

ASL: 100

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1991	94,764.16	100.0	1.00%	948	73.50	0.2650	25,113
1992	35,163.92	100.0	1.00%	352	74.50	0.2550	8,967
1995	6,967.60	100.0	1.00%	70	77.50	0.2250	1,568
1996	87,118.09	100.0	1.00%	871	78.50	0.2150	18,731
1997	39,369.78	100.0	1.00%	394	79.50	0.2050	8,071
1998	1,860,876.08	100.0	1.00%	18,609	80.50	0.1950	362,884
2000	116,463.35	100.0	1.00%	1,165	82.50	0.1750	20,382
2001	10,727.68	100.0	1.00%	107	83.50	0.1650	1,770
2003	104,525.43	100.0	1.00%	1,045	85.50	0.1450	15,157
2005	37,863.12	100.0	1.00%	379	87.50	0.1250	4,733
2006	434,920.56	100.0	1.00%	4,349	88.50	0.1150	50,019
2007	1,692,762.33	100.0	1.00%	16,928	89.50	0.1050	177,752
2008	368,078.11	100.0	1.00%	3,681	90.50	0.0950	34,970
2009	263,203.77	100.0	1.00%	2,632	91.50	0.0850	22,374
2010	1,588,461.98	100.0	1.00%	15,885	92.50	0.0750	119,146
2011	1,484,419.75	100.0	1.00%	14,844	93.50	0.0650	96,498
2012	1,137,816.69	100.0	1.00%	11,378	94.50	0.0550	62,588
2013	1,616,579.69	100.0	1.00%	16,166	95.50	0.0450	72,758
2014	449,721.95	100.0	1.00%	4,497	96.50	0.0350	15,744
2015	872,560.95	100.0	1.00%	8,726	97.50	0.0250	21,820
2016	3,140,749.41	100.0	1.00%	31,407	98.50	0.0150	47,134
2017	896,381.24	100.0	1.00%	8,964	99.50	0.0050	4,488
TOTAL	16,339,495.64			163,395			1,192,670
NET SALVAGE ADJUSTMENT				0			0
TOTAL				163,395			1,192,670

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.00%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_Alg_Whole Life Attachment 4

Account #: 31 - Power-transmission Systems

Survivor Curve: L2

ASL: 52

Net Salvage: 0%

Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2005	115,510.56	52.0	1.92%	2,221	40.07	0.2294	26,502	
2008	124,434.31	52.0	1.92%	2,393	42.78	0.1773	22,066	
2011	69,013.40	52.0	1.92%	1,327	45.60	0.1231	8,494	
2012	33,960.31	52.0	1.92%	653	46.56	0.1046	3,551	
2013	234,523.67	52.0	1.92%	4,510	47.54	0.0858	20,134	
2016	46,435.84	52.0	1.92%	893	50.50	0.0288	1,338	
TOTAL	623,878.09			11,998			82,085	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				11,998			82,085	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.92%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_ALG_WholeLife_Attachment 4

Account #: 35 - Miscellaneous Structures

Survivor Curve: R1.5

ASL: 35

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2000	2,091.88	35.0	2.86%	60	21.61	0.3826	800	
2005	16,107.97	35.0	2.86%	460	25.21	0.2798	4,507	
2012	16,251.81	35.0	2.86%	464	30.56	0.1268	2,061	
2016	34,258.62	35.0	2.86%	979	33.77	0.0351	1,204	
TOTAL	68,710.28			1,963			8,572	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				1,963			8,572	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.86%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_Alg_Whole Life

Account #: 39 - Public Improvements; Construction

Survivor Curve: L0.5

ASL: 45

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----	
			Rate	Amount	Exp	Factor	Amount
1991	2,146.67	45.0	2.22%	48	29.66	0.3409	732
2000	72,895.42	45.0	2.22%	1,620	33.45	0.2567	18,716
2001	6,985.81	45.0	2.22%	155	33.94	0.2458	1,717
2002	103,434.54	45.0	2.22%	2,299	34.45	0.2346	24,261
2003	43,953.50	45.0	2.22%	977	34.97	0.2229	9,796
2004	22,108.10	45.0	2.22%	491	35.52	0.2108	4,660
2005	264,022.17	45.0	2.22%	5,867	36.08	0.1982	52,334
2006	220,530.82	45.0	2.22%	4,901	36.66	0.1852	40,852
2008	290,873.68	45.0	2.22%	6,464	37.89	0.1580	45,948
2009	514,576.25	45.0	2.22%	11,435	38.54	0.1436	73,914
2010	408,192.16	45.0	2.22%	9,071	39.20	0.1288	52,592
2011	110,490.59	45.0	2.22%	2,455	39.89	0.1136	12,548
2012	741,336.73	45.0	2.22%	16,474	40.60	0.0978	72,505
2013	522,834.19	45.0	2.22%	11,619	41.33	0.0815	42,628
2014	2,282,945.23	45.0	2.22%	50,732	42.09	0.0647	147,677
2015	2,329,976.56	45.0	2.22%	51,777	42.87	0.0472	110,072
2016	98,185.21	45.0	2.22%	2,182	43.69	0.0291	2,857
2017	1,973,461.24	45.0	2.22%	43,855	44.55	0.0100	19,831
TOTAL	10,008,948.87			222,421			733,638
NET SALVAGE ADJUSTMENT				0			0
TOTAL				222,421			733,638

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 2.22%

Canadian Pacific Railway - STB Company 4000

Kr W R O PHDR_NUM021_122223_ALG - Whole Life

Account #: 4 - Other Right-of-Way Expenditures

Survivor Curve: L0.5

ASL: 59

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2015	27,923.86	59.0	1.69%	473	56.84	0.0366	1,021	
TOTAL	27,923.86			473			1,021	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				473			1,021	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.69%

Canadian Pacific Railway - STB Company 4000

K:\W_R\PHDR_NUM021_122223_ALG - Whole Life Attachment 4

Account #: 44 - Shop Machinery

Survivor Curve: L1

ASL: 27

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 9%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2006	21,399.40	27.0	3.70%	793	18.49	0.3153	6,747	
2010	28,221.37	27.0	3.70%	1,045	20.83	0.2286	6,450	
2011	36,438.08	27.0	3.70%	1,350	21.52	0.2029	7,392	
2013	28,601.64	27.0	3.70%	1,059	23.04	0.1466	4,194	
2015	46,992.07	27.0	3.70%	1,740	24.72	0.0845	3,969	
2016	219,136.39	27.0	3.70%	8,116	25.61	0.0514	11,270	
TOTAL	380,788.95			14,103			40,023	
NET SALVAGE ADJUSTMENT				-1,269			-3,602	
TOTAL				12,834			36,421	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 3.37%

Canadian Pacific Railway - STB Company 4000

K:\W\R\PHDR_NUM021_122223_ALG_Whole Life Attachment 4

Account #: 5 - Tunnels and Subways

Survivor Curve: SQ

ASL: 86

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION

Net Salvage: 0%

BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Truncation Year:

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
1991	109,393.83	86.0	1.16%	1,272	59.50	0.3081	33,709	
1993	27,740.54	86.0	1.16%	323	61.50	0.2849	7,903	
TOTAL	137,134.37			1,595			41,611	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				1,595			41,611	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 1.16%

Canadian Pacific Railway - STB Company 4000

Kr W R 00 PHDR_NUM021_122223 Attachment 4

Account #: 59 - Computer Systems and Word Processing Equipment

ALG - Whole Life
Survivor Curve: R2.5
ASL: 6
Net Salvage: 0%
Truncation Year:

CALCULATED ANNUAL ACCRUAL AND ACCRUED DEPRECIATION BASED ON ORIGINAL COST AS OF DECEMBER 31, 2017

Year	Original Cost	Average Life	----- Annual Accrual -----			----- Accrued Depreciation -----		
			Rate	Amount	Exp	Factor	Amount	
2009	53,354.15	6.0	16.67%	8,892	0.75	0.8755	46,712	
2012	43,201.46	6.0	16.67%	7,200	1.70	0.7159	30,929	
2015	59,877.42	6.0	16.67%	9,980	3.77	0.3716	22,253	
2016	133,292.82	6.0	16.67%	22,215	4.62	0.2293	30,565	
2017	45,494.04	6.0	16.67%	7,582	5.53	0.0780	3,549	
TOTAL	335,219.89			55,870			134,007	
NET SALVAGE ADJUSTMENT				0			0	
TOTAL				55,870			134,007	

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT 16.67%