

2024 Capitalization Rate Study Railroads

Completed: April 26, 2024

Yield Capitalization Rate Conclusion

Industry: Railroads

2024 Assessment Year

Capital Structure ^[1] Equity Debt	80.00% 20.00%	
Equity Cost of Capital		Weighting
Capital Asset Pricing Model - Ex Post ^[2]	11.73%	56%
Capital Asset Pricing Model - Ex Ante ^[2]	9.33%	14%
3 Stage Dividend Discount Model - Dividends ^[3]	7.09%	15%
3 Stage Dividend Discount Model - Earnings ^[3]	8.69%	<u>15%</u>
Weighted Average	10.24%	100%
Selected Cost of Equity	10.24%	_
Debt Cost of Capital		Weighting
Aa - Mergent's - Avg. YTM of Aa Rated Corporate Bonds $^{[4]}$	5.05%	0%
A - Mergent's - Avg. YTM of A Rated Corporate Bonds ^[4]	5.25%	67%
Baa - Mergent's - Avg. YTM of Baa Rated Corporate Bonds ^[4]	5.64%	33%
Ba - Avg. of MTDOR Debt Study ^[5] , Bloomberg and Capital IQ	6.70%	0%
B - Avg. of MTDOR Debt Study ^[5] , Bloomberg and Capital IQ	7.67%	<u>0%</u>
Weighted Average	5.38%	100%
Selected Cost of Debt	5.38%	
Weighted Average Cost of Capital (M		

Weighted Average	Cost of	Capital	(WACC)
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Source of	Capital		Marginal Tax	Pre-tax Cost of	After-tax Cost
Capital	Structure	Cost of Capital	Rate	Capital	of Capital
Equity	80.00%	10.24%		8.19%	8.19%
Debt	20.00%	5.38%	24.00%	1.08%	0.82%
WACC	100.00%			9.27%	9.01%
WACC (Round	led)				9.05%

<u>Notes</u>

[1] From worksheet: Capital Structure

[2] From worksheet: Capital Asset Pricing Model Summary

[3] From worksheet: Yield Equity Summary

[4] January 2024, Mergent Bond Record[5] Montana Department of Revenue High Yield Debt Study

Direct Capitalization Rate Conclusion Industry: Railroads 2024 Assessment Year

Capital Structure ^[1] Equity Debt	80.00% 20.00%
Equity Capitalization Rate ^[2] NOI After-tax GCF	4.90% 6.90%
Debt Capitalization Rate ^[3] Calculated Current Yield	4.76%

Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	Pre-tax Capitalization Rate	After-tax Capitalization Rate
Equity	80.00%	4.90%		3.92%	3.92%
Debt	20.00%	4.76%	24.00%	0.95%	0.72%
Total	100.00%			4.87%	4.64%

GCF Direct Capitalization Rate							
Source of Capital	Capital Structure	Capitalization Rate	Marginal Tax Rate	Pre-tax Capitalization Rate	After-tax Capitalization Rate		
Equity	80.00%	6.90%	itato	5.52%	5.52%		
Debt	20.00%	4.76%	24.00%	0.95%	0.72%		
Total	100.00%			6.47%	6.24%		
Total (Rounded)					6.25%		

Notes:

[1] From worksheet: Capital Structure

[2] From worksheet: Direct Equity Summary

[3] From worksheet: Calculated Current Yield

Selection of Guideline Companies

Industry: Railroads

2024 Assessment Year

Screening Requirements:

The universe of companies is all companies listed in Value Line under the Railroad industry.

Companies were then selected using the following screening criteria:

- 1. Primarily provides rail, intermodal transportation, and rail-to-truck transload services.
- 2. Actively traded on an American exchange.
- 3. Headquartered / incorporated in the United States
- 4. No significant merger & acquisition activity during the year.

		Actively		Consider as			
	Primarily	Traded on an	Headquartered/	Potential	Not Engaged	Use as	
Company	provide rail	American	Incorporated in	Guideline	in Material	Guideline	
Ticker	services	Exchange	the U.S.	Company	M&A Activity	Company	Note
CNI			No				
СР			No				
CSX	Yes	Yes	Yes	Yes	Yes	Yes	
GATX	No						
GBX	No						
NSC	Yes	Yes	Yes	Yes	Yes	Yes	
RAIL	No						
TRN	No						
UNP	Yes	Yes	Yes	Yes	Yes	Yes	
USDP	No						
WAB	No						

Support for Capital Structure Industry: Railroads

2024 Assessment Year

(\$ and Shares Outstanding In Millions, Except Per Share Amounts)

Α	В	С	D	E	F	G	Н	I	J	K	L	М	N
					End of					Total			
					Year					Common,			
					Closing					Preferred, LT			
		Industry	Financial	Shares	Stock	MV Common	MV Preferred	MV Long Term	PV of Operating	Debt, & Op		%	% Debt &
Ticker	Company	Group	Strength	Outstanding	Price	Stock	Stock	Debt	Leases	Leases	% Common	Preferred	Op Leases
		Value Line	Value Line	10-K	Yahoo	ExF	10-K	10-K	10-K	G+H+I+J	G/K	H/K	(I+J)/K
							[Note 1]	[Note 2]					
CSX	CSX Corp.	RAILROAD	B++	1,959	34.67	67,910	0	17,528	559	85,997	79%	0%	21%
NSC	Norfolk Southern	RAILROAD	A+	226	236.38	53,347	0	16,631	392	70,370	76%	0%	24%
UNP	Union Pacific	RAILROAD	A+	610	245.62	149,755	0	28,479	1,600	179,834	83%	0%	17%
All Com	panies					271,012	0	62,638	2,551	336,201	81%	0%	19%
Avera	ge										79%	0%	21%
Media	in										79%	0%	21%
High											83%	0%	24%
Low											76%	0%	17%
Selected	ł										80%		20%

Notes			<u>Median</u>	
[1] Market value of preferred stock assumed to equal book value	Current Year	79%	0%	21%
[2] Market value of debt is fair value of long term debt from 10-K notes	Prior Year	80%	0%	20%
	2 Years Prior	81%	0%	19%
MCA 15-1-210, rationale for changes to guideline companies:	3 Year Average	80%	0%	20%

MCA 15-1-210, rationale for changes to guideline of 2024 - No changes to guideline companies.

MONTANA DEPARTMENT OF REVENUE Capital Asset Pricing Model (CAPM) Industry: Railroads 2024 Assessment Year

$k_e = R_f + \beta x ERP$

		Ex Post	Ex Ante
k _{e=}	Cost of Equity	11.73%	9.33%
$R_f =$	Risk Free Rate	4.20%	4.20%
β =	Beta	1.05	1.05
ERP =	Equity Risk Premium (R _m - R _f)	7.17%	4.88%
$R_m =$	Market Rate of Return	11.37%	9.08%

Risk Free Rate Measures (R_f):

Ex Post Equity Risk Premium Selected

The Value Line Investment Survey: Select January 5, 2024 Page 841	ction & Opinion ^[1]			
Selected Yields on Taxable U.S. Treasur	v Securities as of 12/22/23			
10-year	,			3.90%
30-year				4.05%
Federal Reserve Statistical Release ^[2]				
U.S. government securities, Treasury cor	stant maturities Nominal Decemb	er 29 2023		
10-year				3.88%
20-year				4.20%
30-year				4.03%
Risk Free Rate Selected				4.20%
Notes [1] "Value Line Selection & Opinion", Value Line [2] https://www.federalreserve.gov/releases/ Ex Post - Equity Risk Premium Measure	<u>h15/</u>			
Kroll, 2024 Cost of Capital Navigator		_	_	
		<u>R</u> m	<u>R</u> f	ERP
ERP "Historical" - Ex Post	Arithmetic Avg.	11.31%	4.14%	7.17%
ERP "Supply-side" - Ex Post	Arithmetic Avg.	10.36%	4.14%	6.22%

4.20%

11.37%

7.17%

Capital Asset Pricing Model (CAPM) Industry: Railroads

2024 Assessment Year

$k_e = R_f + \beta x ERP$

Ex Ante - Equity Risk Premium Measures (ERP = Rm - Rf)

OOR 3 Stage Dividend Growth Model, S & P 500, See Exhibit	Б	Р	
	<u>R</u>	<u>R</u> _f	<u>ERP</u>
ERP - Ex Ante	7.22%	4.20%	3.02%
Kroll, 2024 Cost of Capital Navigator			
	<u>R</u> m	<u>R</u> f	ERP
ERP "Conditional" - Ex Ante	9.00%	3.50%	5.50%
Damodaran Implied ERP (Jan 5, 2024)			
	<u>R</u> m	R_{f}	ERP
Implied Premium - Ex Ante - Trailing 12 month, with adjusted payout	8.45%	3.88%	4.57%
Implied Premium - Ex Ante - Trailing 12 month cash yields	8.48%	3.88%	4.60%
Implied Premium - Ex Ante - Average CF yield last 10 years	9.95%	3.88%	6.07%
Implied Premium - Ex Ante - Net cash yield	8.31%	3.88%	4.43%
Implied Premium - Ex Ante - Normalized earnings and payout	<u>8.17%</u>	3.88%	4.29%
Damodaran Average	8.67%	3.88%	4.79%
	R _m	<u>R</u> f	ERP
Average	8.51%		4.64%
Median	8.45%		4.57%
High	9.95%		6.07%
Low	7.22%		3.02%
Ex Ante Equity Risk Premium Selected	9.08%	4.20%	4.88%

Support for Beta Selection in CAPM Industry: Railroads 2024 Assessment Year

Α	В	С	D	E
		Industry	Financial	
Ticker	Company	Group	Strength	Beta
		Value Line	Value Line	Value Line
CSX	CSX Corp.	RAILROAD	B++	1.00
NSC	Norfolk Southern	RAILROAD	A+	1.05
UNP	Union Pacific	RAILROAD	A+	1.05
Average				1.03
Median				1.05
High				1.05
Low				1.00
Selected				1.05

Inflation & Real Growth Industry: Railroads 2024 Assessment Year

				Nominal	Growth
A	В	C	D	E	F
Source Description	Inflation (CPI)	Real Growth (GDP)	Nominal Growth	Low	High
Livingston Survey ^[1]	2.30%	2.00%	4.30%		
Survey of Professional Forecasters ^[2]	2.24%	2.00%	4.24%		
Congressional Budget Office ^[3]	2.20%	1.90%	4.10%		
Average	2.25%	1.97%	4.21%		
Median	2.24%	2.00%	4.24%		
High	2.30%	2.00%	4.30%		
Low	2.20%	1.90%	4.10%		
Selected	2.25%	2.00%	4.25%	4.10%	4.30%

Inflationary Trend	Factors					
Year	Dec. CPI-U Index	Percent Change From Previous	Dec. to Dec. Conversion Factor	Annual Avg. CPI-U Index	Percent Change From Previous	Annual Conversion Factor
	Note [5]	Note [6]	Note [7]	Note [5]	Note [6]	Note [7]
2012	229.601	1.7%	1.3360	229.594	2.0%	1.3271
2013	233.049	1.5%	1.3162	232.957	1.4%	1.3080
2014	234.812	0.8%	1.3063	236.736	1.6%	1.2871
2015	236.525	0.7%	1.2969	237.017	0.1%	1.2856
2016	241.432	2.0%	1.2705	240.007	1.2%	1.2696
2017	246.524	2.1%	1.2443	245.120	2.1%	1.2431
2018	251.233	1.9%	1.2210	251.107	2.4%	1.2134
2019	256.974	2.2%	1.1937	255.657	1.8%	1.1918
2020	260.474	1.3%	1.1776	258.811	1.2%	1.1773
2021	278.802	6.6%	1.1002	270.970	4.5%	1.1245
2022	296.797	6.1%	1.0335	292.655	7.4%	1.0412
2023	306.746	3.2%	1.0000	304.702	4.0%	1.0000

<u>Notes</u>

[1] Federal Reserve Bank of Philadelphia The Livingston Survey December 15, 2023 Table 3 Inflation Rate and Real GDP mean

https://www.philadelphiafed.org/research-and-data/real-time-center/livingston-survey

[2] Federal Reserve Bank of Philadelphia Survey of Professional Forecasters February 9, 2024 Table 8 and Table 9 Average over next 10-Year mean

https://www.philadelphiafed.org/surveys-and-data/real-time-data-research/survey-of-professional-forecasters [3] The Budget and Economic Outlook: 2024 To 2034, Table 2-1

https://www.cbo.gov/about/products/budget-economic-data#4

[5] Historical Consumer Price Index for All Urban Consumers (CPI-U): U.S. city average, all items, index averages (1982-84=100, unless otherwise noted)

https://www.bls.gov/cpi/tables/supplemental-files/

[7] Most current year / Row year

^{[6] (}Row year - Previous Year) / Row Year

3 Stage Dividend Discount Model (DDM)

Industry: Railroads

2024 Assessment Year

 $k_e = (D_1 / P_0) + g$

k_e = Cost of Equity

D₁ = Expected Dividend

 P_0 = Current Price Per Share

g = Sustainable Long-Term Growth

Α	В	С	D	E	F	G	Н	
		2023	2024 Est		Sustainable	Sustainable	Cost of Equity	Cost of Equity
		Year End Stock	Div'ds Decl'd	Expected Equity	Long-Term	Long-Term	Dividend	Earnings
Ticker	Company	Price	per sh	Payout Yield	Growth Rate ^[1]	Growth Rate ^[1]	Growth	Growth
		Yahoo	Value Line	D/C	Dividends	Earnings	E+F	E+G
		P ₀	D ₁	D ₁ /P ₀	g	g	k _e	k _e
CSX	CSX Corp.	34.67	0.48	1.38%	5.92%	5.75%	7.31%	7.13%
NSC	Norfolk Southern	236.38	5.60	2.37%	4.54%	7.79%	6.91%	10.16%
UNP	Union Pacific	245.62	6.00	2.44%	4.61%	6.32%	7.05%	8.77%
Averag	е						7.09%	8.69%
Mediar	1						7.05%	8.77%
High							7.31%	10.16%
Low							6.91%	7.13%
Selected							7.09%	8.69%

<u>Notes</u>

Implied Sustainable LTG: 5.02% 6.62%

[1] From worksheet: DDM Sustainable Long-Term Growth

Support for DDM - Short Term Growth Rate Calculations Industry: Railroads 2024 Assessment Year

Α	В	С	D	E	F	G
		End of Year Closing Stock	Div'ds Decl'd per sh	Expected Dividend	Div'ds Decl'd per sh	Short-Term
Ticker	Company	Price	2024 Est		2026-2028 Est	
		Yahoo	Value Line	D/C	Value Line	Note [1]
CSX	CSX Corp.	34.67	0.48	1.38%	0.64	10.06%
NSC	Norfolk Southern	236.38	5.60	2.37%	6.50	5.09%
UNP	Union Pacific	245.62	6.00	2.44%	7.00	5.27%

Α	В	С	D	E
		Earnings per	Earnings per	
		share	share	Short-Term
Ticker	Company	2024 Est	2026-2028 Est	Growth Rate
		Value Line	Value Line	Note [1]
CSX	CSX Corp.	1.90	2.50	9.58%
NSC	Norfolk Southern	13.45	19.00	12.20%
UNP	Union Pacific	11.50	15.00	9.26%

<u>Notes</u>

[1] 4 year compound annual growth rate (CAGR) - 3 periods

Support for DDM - Sustainable Long Term Growth

Industry: Railroads

2024 Assessment Year

Dividend	Dividend Growth Rate S								Stage 1					
Ticker	Company	Year End Stock Price	Expected Short-Term Dividend Growth Rate	Expected Long-Term Growth Rate	Expected Dividend Yield		Implied Sustainable Long-Term Growth Rate (g)		D1	D ₂	D ₃	D₄	D₅	
		Yahoo	Note [1]	Note [2]	D ₁ /P ₀	Ke = IRR of D ₁ :D ₅₀₀	g = IRR - Div. Yield				-	-		
CSX NSC UNP	CSX Corp. Norfolk Southern Union Pacific	34.67 236.38 245.62	10.06% 5.09% 5.27%	4.25% 4.25% 4.25%	1.38% 2.37% 2.44%	7.31% 6.91% 7.05%	5.92% 4.54% 4.61%	(34.67) (236.38) (245.62)	5.60	0.53 5.89 6.32	0.58 6.18 6.65	0.64 6.50 7.00	0.70 6.83 7.37	

Earnings	Earnings Growth Rate									Stage 1				
-		Year End Stock	Growth	Expected Long-Term Growth	Dividend		Implied Sustainable Long-Term Growth Rate	Initial						
Ticker	Company	Price	Rate	Rate	Yield	Return	(g)	Investment	D ₁	D_2	D_3	D ₄	D ₅	
						Ke = IRR of	g = IRR - Div.							
		Yahoo	Note [1]	Note [2]	D ₁ /P ₀	D ₁ :D ₅₀₀	Yield							
CSX	CSX Corp.	34.67	9.58%	4.25%	1.38%	7.13%	5.75%	(34.67)	0.48	0.53	0.58	0.63	0.69	
NSC	Norfolk Southern	236.38	12.20%	4.25%	2.37%	10.16%	7.79%	(236.38)	5.60	6.28	7.05	7.91	8.88	
UNP	Union Pacific	245.62	9.26%	4.25%	2.44%	8.77%	6.32%	(245.62)	6.00	6.56	7.16	7.83	8.55	

<u>Notes</u> [1] From worksheet: DDM Short Term Growth Rate Calculations [2] From worksheet: Inflation & Real Growth

Support for DDM - Sustainable Long Term Growth

Industry: Railroads

2024 Assessment Year

Dividend	Stage 2 Stage 2										Stage 3	Stage 3						
Ticker	De	D ₇	D ₈	D9	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂	D ₅₀₀
CSX	0.77	0.85	0.93	1.02	1.12	1.23	1.34	1.47	1.62	1.77	1.95	2.13	2.34	2.57	2.82	2.94	3.06	1,336,743,148
NSC	7.18	7.54	7.92	8.31	8.73	9.17	9.64	10.12	10.63	11.17	11.73	12.32	12.94	13.59	14.28	14.88	15.52	6,778,595,888
UNP	7.75	8.16	8.58	9.03	9.50	9.99	10.51	11.06	11.63	12.24	12.88	13.55	14.25	14.99	15.77	16.44	17.14	7,489,241,942

Earnings	ings Stage 2										Stage 3							
Ticker	D ₆	D ₇	D ₈	D ₉	D ₁₀	D ₁₁	D ₁₂	D ₁₃	D ₁₄	D ₁₅	D ₁₆	D ₁₇	D ₁₈	D ₁₉	D ₂₀	D ₂₁	D ₂₂	D ₅₀₀
CSX	0.76	0.83	0.90	0.98	1.08	1.18	1.28	1.40	1.53	1.67	1.83	2.00	2.18	2.38	2.60	2.71	2.83	1,234,362,998
NSC	9.91	11.07	12.36	13.81	15.42	17.22	19.23	21.47	23.98	26.78	29.90	33.39	37.29	41.65	46.51	48.48	50.54	22,081,846,695
UNP	9.31	10.15	11.05	12.04	13.11	14.28	15.56	16.95	18.46	20.11	21.90	23.86	25.99	28.31	30.83	32.14	33.51	14,639,931,411

Support for Yield Capitalization Rate - Debt Rating Industry: Railroads 2024 Assessment Year

Α	В	С	D	E	F
				Moody's	
		Industry	Financial	Long Term	Yield to
Ticker	Company	Group	Strength	Rating	Maturity
		Value Line	Value Line	Moodys.com	
CSX	CSX Corp.	RAILROAD	B++	A3	5.25%
NSC	Norfolk Southern	RAILROAD	A+	Baa1	5.64%
UNP	Union Pacific	RAILROAD	A+	A3	5.25%
Avera	ge				5.38%
Media	n				5.25%
High					5.64%
Low					5.25%
Selected	d				5.38%

Support for Direct Capitalization - Equity Capitalization Rates Industry: Railroads 2024 Assessment Year

)24	Assessment	Year

Α	В	С	D	E	F	G	Н	I	J	к	L	М	N	0	Р	Q	R
		End of Year Closing Stock	VL Historic		VL Historic	VL Est P/E	Ke Estimate - Earnings		VL Historic Cash Flow		VL Historic	VL Est P/CF	Ke Estimate Cash Flow (Hist.	Ke Estimate Cash Flow (Est.	Market Value	Book Value	
Ticker	Company	Price	EPS	VL Est EPS	P/E Ratio	Ratio	(Hist. P/E)	(Est. P/E)	Per Share	Per Share	P/CF Ratio	Ratio	P/CF)	P/CF)	of Equity	of Equity	MTBR
		Yahoo	Value Line	Value Line	C/D	C/E	1/F	1/G	Value Line	Value Line	C/J	C/K	1/L	1/M	Price x Shrs	Value Line	P/Q
CSX	CSX Corp.	34.67	1.84	1.90	18.84	18.25	5.31%	5.48%	2.71	2.60	12.79	13.33	7.82%	7.50%	67,910	12,615	5.38
NSC	Norfolk Southern	236.38	8.02	13.45	29.47	17.57	3.39%	5.69%	13.85	18.75	17.07	12.61	5.86%	7.93%	53,347	12,781	4.17
UNP	Union Pacific	245.62	10.46	11.50	23.48	21.36	4.26%	4.68%	15.21	14.30	16.15	17.18	6.19%	5.82%	149,755	12,163	12.31
Averag	je				23.93	19.06	4.32%	5.28%			15.34	14.37	6.62%	7.08%			7.29
Media	1				23.48	18.25	4.26%	5.48%			16.15	13.33	6.19%	7.50%			5.38
High					29.47	21.36	5.31%	5.69%			17.07	17.18	7.82%	7.93%			12.31
Low					18.84	17.57	3.39%	4.68%			12.79	12.61	5.86%	5.82%			4.17
Selected					20	.42	4.9	0%			14.4	49	6.9	0%			7.29

Support for Direct Capitalization - Debt Capitalization Rate Industry: Railroads

2024 Assessment Year

(\$ in Millions)

Α	В	C	D	E	F	G	Н	I	J
		Current Year	Previous Year	Previous Year	Current Year	Current Year	Average	Current Yield	MTBR
Ticker	Company	Interest Exp.	MV LT Debt	BV LT Debt	MV LT Debt	BV LT Debt	MV LT Debt		
	Source	10-K	10-K	10-K	10-K	10-K	(D+F)/2	(C/H)	(F/G)
CSX	CSX Corp.	809	16,135	18,047	17,528	18,533	16,832	4.81%	0.95
NSC	Norfolk Southern	722	13,846	15,082	16,631	17,179	15,239	4.74%	0.97
UNP	Union Pacific	1,340	28,126	33,326	28,479	32,579	28,303	4.73%	0.87
All Comp	anies	2,871			62,638	68,291	60,373	4.76%	0.92
Averag	e							4.76%	0.93
Median								4.74%	0.95
High								4.81%	0.97
Low								4.73%	0.87
Selected								4.76%	0.93

MONTANA DEPARTMENT OF REVENUE Support of Stock Price - From YAHOO Finance Industry: Railroads 2024 Assessment Year

		End of Period Closing Stock Price												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Α	В	С	D	E	F	G	Н		J	Κ	L	Μ	Ν	
Ticker	Company	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
CSX	CSX Corp.	30.92	30.49	29.94	30.64	30.67	34.10	33.32	30.20	30.75	29.85	32.30	34.67	
NSC	Norfolk Southern	245.81	224.82	212.00	203.03	208.18	226.76	233.59	205.01	196.93	190.79	218.16	236.38	
UNP	Union Pacific	204.19	207.28	201.26	195.70	192.52	204.62	232.02	220.57	203.63	207.61	225.27	245.62	



Maintenance Capital Expenditures Estimate Based on Guideline Companies

Industry: Railroads

2024 Assessment Year

(\$ In Millions)

1	2		3	4	5	6	7	8	9	10	11
Α	В	С	D	E	F	G	Н	Ι	J	К	L
							Average				
					Average	Depreciation	Life of			Replacement	RC as % of
Ticker	Company	Inflation	PP&E, Gross	PP&E, Gross	PP&E	Expense	Assets			Cost (RC)	Depreciation
			Current Year	Previous Year		Current Year		Note [1]	Note [1]	Note [1]	
		MTDOR (CPI)	10-K, Notes	10-K, Notes	(D+E)/2	10-K	F/G	C*H	1/(1+C)^H	G*I/(1-J)	K/G
CSX	CSX Corp.	2.25%	50,320	48,105	49,213	1,611	31	0.69	0.51	2,245	139.35%
NSC	Norfolk Southern	2.25%	46,591	44,748	45,670	1,298	35	0.79	0.46	1,893	145.82%
UNP	Union Pacific	2.25%	81,733	79,255	80,494	2,318	35	0.78	0.46	3,365	145.17%
Averag	e										143.45%
Mediar											145.17%
High											145.82%
Low											139.35%
Selected											143.45%

Notes:

[1] Cornell, B. & Gerger, R. (2017). Estimating Terminal Values with Inflation: The Inputs Matter-It Is Not a Formulaic Exercise. Business Valuation Review, Volume 36, Number 4, 117-123.