MONTANA Department of REVENUE

2022 Capitalization Rate Study Scheduled Airlines - Freight

FINAL

Completed: April 21, 2022

Yield Capitalization Rate Conclusion Industry: Scheduled Airlines - Freight 2022 Assessment Year

Capital Structure [1] Equity Debt	60.00% 40.00%	
Equity Cost of Capital Capital Asset Pricing Model - Ex Post [2] Capital Asset Pricing Model - Ex Ante [2] 3 Stage Dividend Discount Model - Dividends [3] 3 Stage Dividend Discount Model - Earnings [3] Weighted Average Selected Cost of Equity	8.65% 7.26% 8.75% 7.30% 7.96%	Weighting 45% 45% 5% 5% 100%
Debt Cost of Capital A - Mergent's - Avg. YTM of A Rated Corporate Bonds [4] Baa - Mergent's - Avg. YTM of Baa Rated Corporate Bonds [4] Ba - Avg of MTDOR Study, Bloomberg and Capital IQ ^[5] B - Avg of MTDOR Study, Bloomberg and Capital IQ ^[5] Weighted Average	3.04% 3.37% 5.31% 7.81% 4.97%	Weighting 20% 20% 40% <u>20%</u> 100%

Weighted Average Cost of Capital (WACC)

4.97%

Source of Capital	Capital Structure	Cost of Capital	Marginal Tax Rate	After-tax Cost of Capital	Weighted Cost
Equity	60.00%	7.96%		7.96%	4.78%
Debt	40.00%	4.97%	24.00%	3.78%	1.51%
WACC	100.00%				6.29%
WACC (Round	ded)				6.30%

Notes

[1] From worksheet: Capital Structure

Selected Cost of Debt

- [2] From worksheet: Capital Asset Pricing Model Summary
- [3] From worksheet: Yield Equity Summary
- [4] January 2022, Mergent Bond Record
- [5] Average corporate bond yields from: Montana Department of Revenue High Yield Debt Study and Kroll Capitalization Rate Study.

Direct Capitalization Rate Conclusion Industry: Scheduled Airlines - Freight 2022 Assessment Year

Capital Structure [1]

Equity 60.00% Debt 40.00%

Equity Capitalization Rate [2]

NOI After-tax **7.40%** GCF **14.95%**

Debt Capitalization Rate [3]

Calculated Current Yield 4.00%

Source of	Capital	Capitalization	Marginal Tax	After-tax Capitalization	Weighted Capitalization
Capital	Structure	Rate	Rate	Rate	Rate
Equity	60.00%	7.40%		7.40%	4.44%
Debt	40.00%	4.00%	24.00%	3.04%	1.22%
Total	100.00%				5.66%

Source of	Capital	Capitalization	Marginal Tax	After-tax Capitalization	Weighted Capitalization
Capital	Structure	Rate	Rate	Rate	Rate
Equity	60.00%	14.95%		14.95%	8.97%
Debt	40.00%	4.00%	24.00%	3.04%	1.22%
WACC	100.00%				10.19%
	100.00%				
Total (Rounded)					10.209

Notes

- [1] From worksheet: Capital Structure
- [2] From worksheet: Direct Equity Summary
- [3] From worksheet: Calculated Current Yield

Selection of Guideline Companies Industry: Scheduled Airlines - Freight 2022 Assessment Year

Screening Requirements:

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

Companies were then selected using the following screening criteria:

- 1. Operates primarily as a freight carrier / air cargo service.
- 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			
		traded on an		Potential	Not Engaged	Use as	
Company		American	Headquartered in	Guideline	in Material	Guideline	
Ticker	Air Cargo	exchange	the United States	Company	M&A Activity	Company	Note
AAL	No						
AAWW	Yes	Yes	Yes	Yes	Yes	Yes	
AIRT	Yes	Yes	Yes	Yes	Yes	Yes	
ALGT	No						
ALK	No						
ATSG	Yes	Yes	Yes	Yes	Yes	Yes	
CPA	No						
DAL	No						
FDX	Yes	Yes	Yes	Yes	Yes	Yes	
НА	No						
JBLU	No						
LUV	No						
MESA	No						
RLGT	No						
RYAAY	No						
SAVE	No						
SKYW	No						
SNCY	No						
UAL	No						
UPS	Yes	Yes	Yes	Yes	Yes	Yes	[1]
VTOL	No						

[1]M&A activity was examined and determined to be immaterial for purposes of determining the cost of capital

Support for Capital Structure Industry: Scheduled Airlines - Freight 2022 Assessment Year

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

Н

J

K

Total

L

М

0%

N

14%

40%

G

					Year Closing	ΜV				Common, Preferred, LT			
		Industry	Financial	Shares	Stock	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]					i
AAWW	Atlas Air Worldwide	AIRTRANS	В	29.216	94.12	2,750	0	2,295	221	5,266	52%	0%	48%
AIRT	Air T Inc	AIRTRANS	C+	2.882	25.15	72	0	87	8	168	43%	0%	57%
ATSG	Air Transport Services Grp.	AIRTRANS	В	74.142	29.38	2,178	0	1,299	63	3,541	62%	0%	38%
FDX	FedEx Corp.	AIRTRANS	A++	267.348	258.64	69,147	0	20,879	15,583	105,609	65%	0%	35%
UPS	United Parcel Serv.	AIRTRANS	A+	732.554	214.34	157,016	0	21,915	3,613	182,544	86%	0%	14%
All Comp	panies					231,163	0	46,476	19,489	297,128	78%	0%	22%
Averag	je	•	•	•							62%	0%	38%
Media	n										62%	0%	38%
Trimm	ed Average										60%	0%	40%
High											86%	0%	57%

|--|

Low

Selected

Α

[1] Market value of preferred stock assumed to equal book value

[2] Market value of debt is fair value of long term debt from 10-K notes

MCA 15-1-210, rationale for changes to guideline companies:

2022 -No changes to guideline companies

В

С

D

Ε

End of

	<u>Median</u>					
Current Year	62%	0%	38%			
Prior Year	54%	0%	46%			
2 Years Prior	48%	0%	52%			
3 Year Average	54%	0%	46%			

43%

60%

Capital Asset Pricing Model (CAPM)
Industry: Scheduled Airlines - Freight
2022 Assessment Year

$k_e = R_f + \beta x ERP$

		Ex Post	Ex Ante
k _{e=}	Cost of Equity	8.65%	7.26%
$R_f =$	Risk Free Rate	1.94%	1.94%
ß =	Beta	0.90	0.90
ERP =	Equity Risk Premium (R _m - R _f)	7.46%	5.91%
$R_m =$	Market Rate of Return	9.40%	7.85%

Risk Free Rate Measures (R_f):

10-year 20-year 30-year	1.52% 1.94% 1.90%
10-year	
	1.52%
6.6. government securities, Treasury constant maturities, Norminal, December 51, 2021	
U.S. government securities, Treasury constant maturities, Nominal, December 31, 2021	
Federal Reserve Statistical Release ^[2]	
30-year	1.88%
10-year	1.48%
Selected Yields on Taxable U.S. Treasury Securities as of 12/27/21	
January 7, 2022 Page 2089	

Notes

- [1] "Value Line Selection & Opinion", Value Line (January 7, 2022)
- $\hbox{[2]} \ \underline{\text{https://www.federalreserve.gov/datadownload/Choose.aspx?rel=H.15}}\\$

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

<u>Duff & Phelps, 2022 Cost of Capital Navigator</u>

		R _m	R_f	<u>ERP</u>
ERP "Historical" - Ex Post	Arithmetic Avg.	9.40%	1.94%	7.46%
ERP "Supply-side" - Ex Post	Arithmetic Avg.	8.16%	1.94%	6.22%
Ex Post Equity Risk Premium Selec	eted	9.40%	1.94%	7.46%

Capital Asset Pricing Model (CAPM)
Industry: Scheduled Airlines - Freight
2022 Assessment Year

$k_e = R_f + \beta x ERP$

Ex Ante - Equity Risk Premium Measures (ERP = Rm - Rf)			
DOR 3 Stage Dividend Growth Model, S & P 500, See Exhibit			
-	R _m	R_f	ERP
ERP - Ex Ante	8.05%	1.94%	6.11%
Duff & Phelps, 2022 Cost of Capital Navigator			
	R_m	$R_{\rm f}$	<u>ERP</u>
ERP "Conditional" - Ex Ante	8.00%	2.50%	5.50%
Damodaran Implied ERP (Jan 5, 2022)			
	R_m	$R_{\rm f}$	ERP
Implied Premium (FCFE) - Ex Ante	5.76%	1.52%	4.24%
Implied Premium (FCFE with sustainable payout) - Ex Ante	6.42%	1.52%	4.90%
	<u>R</u> _	$R_{\rm f}$	ERP
Average	7.06%		5.19%
Median	7.21%		5.20%
<u>High</u>	8.05%		6.11%
Low	5.76%		4.24%
Equity Risk Premium Selected	7.85%	1.94%	5.91%

Support for Beta Selection in CAPM Industry: Scheduled Airlines - Freight 2022 Assessment Year

Α	В	С	D	E
		Industry	Financial	
Ticker	Company	Group	Strength	Beta
		Value Line	Value Line	Value Line
AAWW	Atlas Air Worldwide	AIRTRANS	В	0.75
AIRT	Air T Inc	AIRTRANS	C+	1.05
ATSG	Air Transport Services Grp.	AIRTRANS	В	0.70
FDX	FedEx Corp.	AIRTRANS	A++	1.05
UPS	United Parcel Serv.	AIRTRANS	A+	0.80
Average				0.87
Median				0.80
Trimmed.	Average			0.87
High				1.05
Low				0.70
Selected				0.90

Inflation & Real Growth
Industry: Scheduled Airlines - Freight
2022 Assessment Year

				Nomina	Growth
Α	В	С	D	E	F
Source Description	Inflation (CPI)	Real Growth (GDP)	Nominal Growth	Low	High
Livingston Survey ^[1]	2.44%	2.21%	4.65%		
Survey of Professional Forecasters ^[2] Congressional Budget Office ^[3]	2.49%	2.25%	4.74%		
Average	2.47%	2.23%	4.70%		
Median	2.47%	2.23%	4.70%		
High	2.49%	2.25%	4.74%		
Low	2.44%	2.21%	4.65%		
Selected	2.45%	2.25%	4.70%	4.65%	4.74%

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]
2011	225.672	2.9%	1.2354	224.939	3.1%	1.2046
2012	229.601	1.7%	1.2143	229.594	2.0%	1.1802
2013	233.049	1.5%	1.1963	232.957	1.4%	1.1632
2014	234.812	0.8%	1.1873	236.736	1.6%	1.1446
2015	236.525	0.7%	1.1787	237.017	0.1%	1.1433
2016	241.432	2.0%	1.1548	240.007	1.2%	1.1290
2017	246.524	2.1%	1.1309	245.120	2.1%	1.1055
2018	251.233	1.9%	1.1097	251.107	2.4%	1.0791
2019	256.974	2.2%	1.0849	255.657	1.8%	1.0599
2020	260.474	1.3%	1.0704	258.811	1.2%	1.0470
2021	278.802	6.6%	1.0000	270.970	4.5%	1.0000

Notes

[1] Federal Reserve Bank of Philadelphia The Livingston Survey December 17, 2021 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 11, 2022 Table 8 and Table 9 Average over next 10-Year mean

 $\underline{\text{https://www.philadelphiafed.org/surveys-and-data/real-time-data-research/survey-of-professional-forecasters}$

[3] Not available at study date

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/historical-cpi-u-202001.pdf

[6] (Row year - Previous Year) / Row Year

[7] Most current year / Row year

3 Stage Dividend Discount Model (DDM) Industry: Scheduled Airlines - Freight 2022 Assessment Year

 $k_e = (D_1 / P_0) + g$

 $\mathbf{k}_{\mathbf{e}}$ = Cost of Equity

 D_1 = Expected Dividend

P₀ = Current Price Per Share

g = Sustainable Long-Term Growth

Α	В	С	D	Е	F	G	Н	I
		2021	2022 Est	Expected	Sustainable	Sustainable	Cost of Equity	Cost of Equity
		Year End Stock	Div'ds Decl'd	Equity Payout	Long-Term	Long-Term	Dividend	Earnings
Ticker	Company	Price	per sh	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
AAWW	Atlas Air Worldwide	94.12	0.00	0.00%	0.00%	0.00%		
AIRT	Air T Inc	25.15	0.00	0.00%	0.00%	0.00%		
ATSG	Air Transport Services Grp.	29.38	0.00	0.00%	0.00%	0.00%		
FDX	FedEx Corp.	258.64	3.00	1.16%	7.65%	6.30%	8.81%	7.46%
UPS	United Parcel Serv.	214.34	4.32	2.02%	6.64%	5.10%	8.66%	7.12%
Averag	e						8.73%	7.29%
Median	ı						8.73%	7.29%
Trimme	ed Average							
High							8.81%	7.46%
Low							8.66%	7.12%
Selected							8.75%	7.30%

Notes

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

Support for DDM - Short Term Growth Rate Calculations Industry: Scheduled Airlines - Freight 2022 Assessment Year

Α	В	С	D	E	F	G
Ticker	Company	End of Year Closing Stock Price	Div'ds Decl'd per sh 2022 Est	Expected Dividend Yield	Div'ds Decl'd per sh 2024-2026 Est	Short-Term Growth Rate
		Yahoo	Value Line	D/C	Value Line	Note [1]
AAWW	Atlas Air Worldwide	94.12	0.00	0.00%		0.00%
AIRT	Air T Inc	25.15	0.00	0.00%		0.00%
ATSG	Air Transport Services Grp.	29.38	0.00	0.00%	0.00	0.00%
FDX	FedEx Corp.	258.64	3.00	1.16%	4.50	14.47%
UPS	United Parcel Serv.	214.34	4.32	2.02%	5.75	10.00%

Α	В	С		D	E
Ticker	Company	Earnings pe share 2022 Est		Earnings per share 2024-2026 Est	Short-Term Growth Rate
		Valua Lina		Valuatina	Note [4]
		Value Line		Value Line	Note [1]
AAWW	Atlas Air Worldwide	13.50		16.50	6.92%
AIRT	Air T Inc	0.00)	0.00	0.00%
ATSG	Air Transport Services Grp.	0.00		0.00	0.00%
FDX	FedEx Corp.	19.40		26.50	10.96%
UPS	United Parcel Serv.	12.30		14.65	6.00%

Notes

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

DDM Sustainable Long Term Growth Industry: Scheduled Airlines - Freight 2022 Assessment Year

Dividend	Growth Rate	Stage 1											
Ticker	Year Sto Company Pri		Expected Short-Term Dividend Growth Rate	Expected Long-Term Growth Rate	Expected Dividend Yield	Internal Rate of Return	Implied Sustainable Long-Term Growth Rate (g)	Initial Investment	D_1	D_2	D_3	D_4	D ₅
		Yahoo	Note [1]	Note [2]	D ₁ /P ₀	$Ke = IRR \text{ of}$ $D_1:D_{500}$	g = IRR - Div. Yield			_	-		
AAWW	Atlas Air Worldwide	94.12	0.00%	4.70%	0.00%			(94.12)	0.00	0.00	0.00	0.00	0.00
AIRT	Air T Inc	25.15	0.00%	4.70%	0.00%			(25.15)	0.00	0.00	0.00	0.00	0.00
ATSG	Air Transport Services Grp.	29.38	0.00%	4.70%	0.00%			(29.38)	0.00	0.00	0.00	0.00	0.00
FDX	FedEx Corp.	258.64	14.47%	4.70%	1.16%	8.81%	7.65%	(258.64)	3.00	3.43	3.93	4.50	5.15
UPS	United Parcel Serv.	214.34	10.00%	4.70%	2.02%	8.66%	6.64%	(214.34)	4.32	4.75	5.23	5.75	6.33

Earnings	Growth Rate	Stage 1											
Ticker	Company	Year End Stock Price	Expected Short-Term Earnings Growth Rate	Long-Term	Expected Dividend Yield	Internal Rate of Return	Implied Sustainable Long-Term Growth Rate (g)	Initial Investment	D ₁	D_2	D_3	D_4	D ₅
		Yahoo	Note [1]	Note [2]	D ₁ /P ₀	$Ke = IRR \text{ of}$ $D_1:D_{500}$	g = IRR - Div. Yield		·	-	J	-	
AAWW	Atlas Air Worldwide	94.12	6.92%	4.70%	0.00%			(94.12)	0.00	0.00	0.00	0.00	0.00
AIRT	Air T Inc	25.15	0.00%	4.70%	0.00%			(25.15)	0.00	0.00	0.00	0.00	0.00
ATSG	Air Transport Services Grp.	29.38	0.00%	4.70%	0.00%			(29.38)	0.00	0.00	0.00	0.00	0.00
FDX	FedEx Corp.	258.64	10.96%	4.70%	1.16%	7.46%	6.30%	(258.64)	3.00	3.33	3.69	4.10	4.55
UPS	United Parcel Serv.	214.34	6.00%	4.70%	2.02%	7.12%	5.10%	(214.34)	4.32	4.58	4.85	5.15	5.45

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

DDM Sustainable Long Term Growth Industry: Scheduled Airlines - Freight 2022 Assessment Year

Dividend	dend 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
A A \ A \ \	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
AAWW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
AIRT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	U
ATSG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
FDX	5.86	6.67	7.60	8.65	9.84	11.20	12.75	14.51	16.51	18.80	21.40	24.35	27.72	31.55	35.91	37.60	39.36	134,770,641,161
UPS	6.94	7.60	8.34	9.14	10.02	10.99	12.05	13.21	14.49	15.89	17.42	19.10	20.94	22.96	25.18	26.36	27.60	94,499,506,175

Earnings	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
AAWW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
AIRT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
ATSG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
FDX	5.03	5.56	6.14	6.79	7.50	8.29	9.17	10.13	11.20	12.38	13.69	15.13	16.73	18.49	20.44	21.40	22.40	76,702,785,364
UPS	5.78	6.12	6.48	6.86	7.27	7.70	8.15	8.64	9.15	9.69	10.26	10.87	11.51	12.19	12.91	13.52	14.16	48,468,940,093

Support for Cost of Debt Component - Yield to Maturity Industry: Scheduled Airlines - Freight 2022 Assessment Year

Α	В	С	D	E	F
Ticker	Company	Industry Group	Financial Strength	Moody's Long Term Rating	Yield to Maturity
		Value Line	Value Line	Moodys.com	
AAWW	Atlas Air Worldwide	AIRTRANS	В	Ва	5.31%
AIRT	Air T Inc	AIRTRANS	C+	В	7.81%
ATSG	Air Transport Services Grp.	AIRTRANS	В	Ba2	5.31%
FDX	FedEx Corp.	AIRTRANS	A++	Baa2	3.37%
UPS	United Parcel Serv.	AIRTRANS	A+	A2	3.04%
Averaç Mediai					4.97% 5.31%
Trimm	ed Average				4.66%
High					7.81%
Low					3.04%
Selected	1				4.97%

^{*}Highlited ratings are estimated based on financial strength and historical interest coverage ratios

Support for Direct Capitalization - Equity Capitalization Rate Industry: Scheduled Airlines - Freight 2022 Assessment Year

Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R
		End of Year					Ke	Ke					Ke Estimate Cash	Ke Estimate - Cash			
		Closing					Estimate -		VL Historic			VL Est	Flow	Flow		Book	
			VL Historic		VL Historic						VL Historic		(Hist.		Market Value	Value	
Ticker	Company	Price	EPS	EPS	P/E Ratio		(Hist. P/E)	,	Per Share	Per Share	P/CF 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
AAWW	Atlas Air Worldwide	94.12	18.48	13.75	5.09	6.85	19.63%	14.61%	23.14	27.15	4.07	3.47	24.59%	28.85%	2,750	2,261.54	1.22
AIRT	Air T Inc	25.15	0.30	0.00	83.83		1.19%		(1.45)	0.00					72	13.73	5.28
ATSG	Air Transport Services Grp.	29.38	2.07	0.00	14.19		7.05%		5.76	0.00	5.10		19.61%		2,178	855.50	2.55
FDX	FedEx Corp.	258.64	17.68	20.65	14.63	12.52	6.84%	7.98%	32.46	36.65	7.97	7.06	12.55%	14.17%	69,147	24,168.00	2.86
UPS	United Parcel Serv.	214.34	12.13	12.80	17.67	16.75	5.66%	5.97%	11.41	15.55	18.79	13.78	5.32%	7.25%	157,016	657.00	238.99
Averag	e	•	•	-	27.08	12.04	8.07%	9.52%		-	8.98	8.10	15.52%	16.76%	<u> </u>		50.18
Median					14.63	12.52	6.84%	7.98%			6.53	7.06	16.08%	14.17%			2.86
Trimmed Average			15.50	12.52	6.51%	7.98%			6.53	7.06	16.08%	14.17%			3.56		
High					83.83	16.75	19.63%	14.61%			18.79	13.78	24.59%	28.85%			238.99
Low					5.09	6.85	1.19%	5.97%			4.07	3.47	5.32%	7.25%			1.22
Selected			13.	51	7.4	0%			6.69	9	14.	95%			3.56		

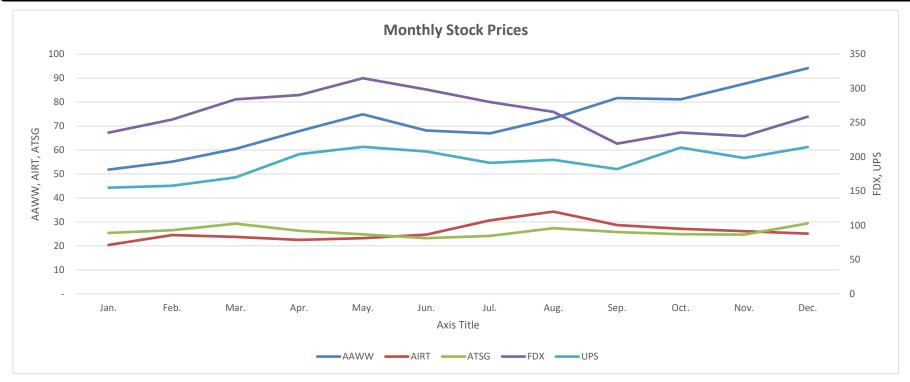
Support for Direct Capitalization - Debt Capitalization Rate Industry: Scheduled Airlines - Freight 2022 Assessment Year

(\$ in Millions)

Α	В	С	D	E	F	G	Н	I	J
Ticker	Company	Current Year Interest Exp.	Previous Year MV LT Debt	Previous Year BV LT Debt	Current Year MV LT Debt	Current Year BV LT Debt	Average MV LT Debt	Current Yield	MTBR
	,	10-K	10-K	10-K	10-K	10-K	(D+F)/2	(C/H)	(F/G)
AAWW	Atlas Air Worldwide	107	2,522	2,319	2,626	2,295	2,574	4.18%	1.14
AIRT	Air T Inc	5	86	86	87	87	87	5.34%	1.00
ATSG	Air Transport Services Grp.	59	1,408	1,479	1,336	1,299	1,372	4.28%	1.03
FDX	FedEx Corp.	793	23,285	22,003	23,625	20,879	23,455	3.38%	1.13
UPS	United Parcel Serv.	694	28,300	24,654	25,100	21,915	26,700	2.60%	1.15
All Comp	anies	1,658			52,775	46,476	54,188	3.06%	1.14
Average	e							3.96%	1.09
Median	l							4.18%	1.13
Trimme	ed Average							3.95%	1.10
High							5.34%	1.15	
Low								2.60%	1.00
Selected					•			4.00%	1.10

Support of Stock Price - From YAHOO Finance Industry: Scheduled Airlines - Freight 2022 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	Е	F	G	Н	I	J	K	L	M	N
Tieker	Company	lan	Fah	Mor	A	May	lum	11	A	Son	Oat	Nev	Doo
Ticker	Company	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
AAWW	Atlas Air Worldwide	51.82	55.13	60.44	67.91	74.93	68.11	66.97	73.17	81.68	81.12	87.61	94.12
AIRT	Air T Inc	20.4	24.56	23.77	22.54	23.24	24.71	30.63	34.31	28.68	27.13	26.13	25.15
ATSG	Air Transport Services Grp.	25.41	26.54	29.26	26.32	24.84	23.23	24.2	27.39	25.81	24.89	24.69	29.38
FDX	FedEx Corp.	235.34	254.5	284.04	290.31	314.81	298.33	279.95	265.69	219.29	235.53	230.37	258.64
UPS	United Parcel Serv.	155	157.83	169.99	203.86	214.6	207.97	191.36	195.63	182.1	213.47	198.37	214.34



Maintenance Capital Expenditures Estimate Based on Guideline Companies Industry: Scheduled Airlines - Freight 2022 Assessment Year

(\$ In Millions)

Α	В	С	D	E	F	G	Н	I	J	K	L
					Average	Depreciation	Average 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
AAWW	Atlas Air Worldwide	2.45%	4,801	4,316	4,558	281	16	0.40	0.68	344	122.37%
AIRT	Air T Inc	2.45%	13	10	11	3	4	0.09	0.92	3	105.74%
ATSG	Air Transport Services Grp.	2.45%	3,611	3,190	3,401	308	11	0.27	0.77	356	115.33%
FDX	FedEx Corp.	2.45%	70,077	65,024	67,551	3,793	18	0.44	0.65	4,726	124.60%
UPS	United Parcel Serv.	2.45%	64,809	62,091	63,450	2,953	21	0.53	0.59	3,833	129.81%
Averag	е										119.57%
Median	l										122.37%
Trimme	Trimmed Average										120.77%
High											129.81%
Low											105.74%
Selected											120.80%

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.