Solution

Interest Rate		Annual	Source (accessed 9/24/2018)
Prime Rate		5.00%	(http://www.forecasts.org/prime.htm)
Increase over Prime		2.00%	
Nominal Interest Rate		7.00%	
Current Inflation Rate		2.70%	(http://www.forecasts.org/inflation.htm)
Real Interest Rate	(i)	4.30%	
Lease			
Economic Life	(N, yr)	7.25	= 754,000/103,945, Avg mi until replace/Avg mi [1]
Investment Cost	(IV, \$1)	175,000	[2]
Salvage Percentage	(τν, ψ)	30%	[4]
Salvage Value	(SV, \$)	52,500	
Effective Investment Cost	`	136,316	
Cost Cap Recovery	(<i>K</i> , \$/yr)	22,273	
Cost Cap Recovery	(r φ/yι)	22,213	
Costing			
Annual Mileage	(mi/yr)	103,945	[1]
Fuel Efficiency	(mi/gal)	5.8	p. 10 in [3]
Fuel Cost per Gallon	(\$/gal)	3.270	(https://www.eia.gov/petroleum/gasdiesel/)
Fuel Cost	(\$/mi)	0.5637931	
Annual Fuel Cost	(\$/yr)	58,603	
Tire,Repair,Insurance	(\$/yr)	77,044	\$0.34/mi in 1988 [3] * 103945 * (2.18/1) [4]
Driver Salary with Benefits	(\$/yr)	64,757	\$45,333 mean wage/(1 - 0.3) [5]
Operating Cost	(\$/yr)	200,405	
Operating Cost per Unit	(\$/mi)	1.93	
Annual Investment Cost	(\$/yr)	22,273	
Cost per Mile	(\$/mi)	0.21	
	(+-)	-	
Total Annual Cost	(\$/yr)	222,678	
Cost per Mile	(\$/mi)	2.14	
Target Costing			
TL Rev per loaded tr-mi	(\$/mi)	2.6991	Based on TL PPI for Jul 2018
Percent Empty Travel	(Ψ/1111)	0.15	2000 011 12 1 1 1101 001 20 10
Percent Operating Profit		0.15	
TL Cost per mi	(\$/mi)	2.18	= RevPerLdMi * (1 - 0.15) * (1 - 0.05)
			I-Operational-Costs-of-Trucking-2017-10-2017.pdf
] https://www.fleetowner.com			7 1
] https://people.engr.ncsu.ed		3/idxsrc/TSWw ols.gov/cgi-bin/	

^[5] https://www.bls.gov/oes/current/oes533032.htm