

Multimodalways Railway Turnpike Provision Calculations

Fixed Administrative Costs, 10 Route Miles, Single Track

Draft 8-31-2009

	Case 1 0 Annual Tons	Case 2 5K Annual Tons	Case 3 10K Annual Tons	Case 4 25K Annual Tons	Case 5 50K Annual Tons	Case 6 100K Annual Tons	Case 7 250K Annual Tons	Case 8 500K Annual Tons	Case 9 1M Annual Tons
Total Annual Network Ton-Miles									
Annual Tonnage	0	5,000	10,000	25,000	50,000	100,000	250,000	500,000	1,000,000
Train Tonnage	0	1000	1000	1000	1000	1000	1000	1000	1000
# Trains	0	5	10	25	50	100	250	500	1000
Trip Distance	10	10	10	10	10	10	10	10	10
Total Ton-Miles	0	50,000	100,000	250,000	500,000	1,000,000	2,500,000	5,000,000	10,000,000
Total Network Track Miles	10	10	10	10	10	10	10	10	10
Annual MOW Amount	\$1,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000
Annual Network MOW	\$10,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Tons per Mile Assessment for MOW	\$0.000000	\$1.000000	\$0.500000	\$0.200000	\$0.100000	\$0.050000	\$0.020000	\$0.010000	\$0.005000
Administration Expenses									
MOW % of All Expenses									
50	\$20,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
33	\$30,303	\$151,515	\$151,515	\$151,515	\$151,515	\$151,515	\$151,515	\$151,515	\$151,515
25	\$40,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
10	\$100,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000
5	\$200,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
2.5	\$400,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000
1	\$1,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000
Administration Assessment - MOW Per Car									
MOW % of All Expenses									
50		\$200.00	\$100.00	\$40.00	\$20.00	\$10.00	\$4.00	\$2.00	\$1.00
33		\$303.03	\$151.52	\$60.61	\$30.30	\$15.15	\$6.06	\$3.03	\$1.52
25		\$400.00	\$200.00	\$80.00	\$40.00	\$20.00	\$8.00	\$4.00	\$2.00
10		\$1,000.00	\$500.00	\$200.00	\$100.00	\$50.00	\$20.00	\$10.00	\$5.00
5		\$2,000.00	\$1,000.00	\$400.00	\$200.00	\$100.00	\$40.00	\$20.00	\$10.00
2.5		\$4,000.00	\$2,000.00	\$800.00	\$400.00	\$200.00	\$80.00	\$40.00	\$20.00
1		\$10,000.00	\$5,000.00	\$2,000.00	\$1,000.00	\$500.00	\$200.00	\$100.00	\$50.00

Multimodalways Railway Turnpike Provision Calculations

Fixed Administrative Costs, 200 Route Miles, Single Track

Draft 8-31-2009

	Case 1 1M Annual Tons	Case 2 2.5M Annual Tons	Case 3 5M Annual Tons	Case 4 10M Annual Tons	Case 5 25M Annual Tons	Case 6 50M Annual Tons	Case 7 100M Annual Tons
Total Annual Network Ton-Miles							
Annual Tonnage	1,000,000	2,500,000	5,000,000	10,000,000	25,000,000	50,000,000	100,000,000
Train Tonnage	10000	10000	10000	10000	10000	10000	10000
# Trains	100	250	500	1000	2500	5000	10000
Trip Distance	200	200	200	200	200	200	200
Total Ton-Miles	200,000,000	500,000,000	1,000,000,000	2,000,000,000	5,000,000,000	10,000,000,000	20,000,000,000
Total Network Track Miles	200	200	200	200	200	200	200
Annual MOW Amount	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Annual Network MOW	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000
Tons per Mile Assessment for MOW	\$0.025000	\$0.010000	\$0.005000	\$0.002500	\$0.001000	\$0.000500	\$0.000250
Administration Expenses - MOW							
MOW% of All Expenses							
50	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000
25	\$15,000,000	\$15,000,000	\$15,000,000	\$15,000,000	\$15,000,000	\$15,000,000	\$15,000,000
10	\$45,000,000	\$45,000,000	\$45,000,000	\$45,000,000	\$45,000,000	\$45,000,000	\$45,000,000
5	\$95,000,000	\$95,000,000	\$95,000,000	\$95,000,000	\$95,000,000	\$95,000,000	\$95,000,000
2.5	\$195,000,000	\$195,000,000	\$195,000,000	\$195,000,000	\$195,000,000	\$195,000,000	\$195,000,000
1	\$495,000,000	\$495,000,000	\$495,000,000	\$495,000,000	\$495,000,000	\$495,000,000	\$495,000,000
Administration Assessment - MOW Per Car							
MOW% of All Expenses							
50	\$500.00	\$200.00	\$100.00	\$50.00	\$20.00	\$10.00	\$5.00
25	\$1,500.00	\$600.00	\$300.00	\$150.00	\$60.00	\$30.00	\$15.00
10	\$4,500.00	\$1,800.00	\$900.00	\$450.00	\$180.00	\$90.00	\$45.00
5	\$9,500.00	\$3,800.00	\$1,900.00	\$950.00	\$380.00	\$190.00	\$95.00
2.5	\$19,500.00	\$7,800.00	\$3,900.00	\$1,950.00	\$780.00	\$390.00	\$195.00
1	\$49,500.00	\$19,800.00	\$9,900.00	\$4,950.00	\$1,980.00	\$990.00	\$495.00

Multimodalways Railway Turnpike Provision Calculations

Fixed Administrative Costs, 200 Route Miles, Double Track

Draft 8-31-2009

	Case 1 1M Annual Tons	Case 2 2.5M Annual Tons	Case 3 5M Annual Tons	Case 4 10M Annual Tons	Case 5 25M Annual Tons	Case 6 50M Annual Tons	Case 7 100M Annual Tons
Total Annual Network Ton-Miles							
Annual Tonnage	1,000,000	2,500,000	5,000,000	10,000,000	25,000,000	50,000,000	100,000,000
Train Tonnage	10000	10000	10000	10000	10000	10000	10000
# Trains	100	250	500	1000	2500	5000	10000
Trip Distance	200	200	200	200	200	200	200
Total Ton-Miles	200,000,000	500,000,000	1,000,000,000	2,000,000,000	5,000,000,000	10,000,000,000	20,000,000,000
Total Network Track Miles	400	400	400	400	400	400	400
Annual MOW Amount	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Annual Network MOW	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
Tons per Mile Assessment for MOW	\$0.050000	\$0.020000	\$0.010000	\$0.005000	\$0.002000	\$0.001000	\$0.000500
Administration Expenses - MOW							
MOW% of All Expenses							
50	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000	\$10,000,000
25	\$30,000,000	\$30,000,000	\$30,000,000	\$30,000,000	\$30,000,000	\$30,000,000	\$30,000,000
10	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000
5	\$190,000,000	\$190,000,000	\$190,000,000	\$190,000,000	\$190,000,000	\$190,000,000	\$190,000,000
2.5	\$390,000,000	\$390,000,000	\$390,000,000	\$390,000,000	\$390,000,000	\$390,000,000	\$390,000,000
1	\$990,000,000	\$990,000,000	\$990,000,000	\$990,000,000	\$990,000,000	\$990,000,000	\$990,000,000
Administration Assessment - MOW Per Car							
MOW% of All Expenses							
50	\$1,000.00	\$400.00	\$200.00	\$100.00	\$40.00	\$20.00	\$10.00
25	\$3,000.00	\$1,200.00	\$600.00	\$300.00	\$120.00	\$60.00	\$30.00
10	\$9,000.00	\$3,600.00	\$1,800.00	\$900.00	\$360.00	\$180.00	\$90.00
5	\$19,000.00	\$7,600.00	\$3,800.00	\$1,900.00	\$760.00	\$380.00	\$190.00
2.5	\$39,000.00	\$15,600.00	\$7,800.00	\$3,900.00	\$1,560.00	\$780.00	\$390.00
1	\$99,000.00	\$39,600.00	\$19,800.00	\$9,900.00	\$3,960.00	\$1,980.00	\$990.00

Multimodalways Railway Turnpike Provision Calculations

Fixed Administrative Costs, 1200 Route Miles, Double Track

Draft 8-31-2009

	Case 1 1M Annual Tons	Case 2 2.5M Annual Tons	Case 3 5M Annual Tons	Case 4 10M Annual Tons	Case 5 25M Annual Tons	Case 6 50M Annual Tons	Case 7 100M Annual Tons	Case 8 200M Annual Tons
Total Annual Network Ton-Miles								
Annual Tonnage	1,000,000	2,500,000	5,000,000	10,000,000	25,000,000	50,000,000	100,000,000	200,000,000
Train Tonnage	10000	10000	10000	10000	10000	10000	10000	10000
# Trains	100	250	500	1000	2500	5000	10000	20000
Trip Distance	1200	1200	1200	1200	1200	1200	1200	1200
Total Ton-Miles	1,200,000,000	3,000,000,000	6,000,000,000	12,000,000,000	30,000,000,000	60,000,000,000	120,000,000,000	240,000,000,000
Total Network Track Miles	2400	2400	2400	2400	2400	2400	2400	2400
Annual MOW Amount	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Annual Network MOW	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000
Tons per Mile Assessment for MOW	\$0.050000	\$0.020000	\$0.010000	\$0.005000	\$0.002000	\$0.001000	\$0.000500	\$0.000250
Administration Expenses - MOW								
MOW% of All Expenses								
50	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000	\$60,000,000
25	\$180,000,000	\$180,000,000	\$180,000,000	\$180,000,000	\$180,000,000	\$180,000,000	\$180,000,000	\$180,000,000
10	\$540,000,000	\$540,000,000	\$540,000,000	\$540,000,000	\$540,000,000	\$540,000,000	\$540,000,000	\$540,000,000
5	\$1,140,000,000	\$1,140,000,000	\$1,140,000,000	\$1,140,000,000	\$1,140,000,000	\$1,140,000,000	\$1,140,000,000	\$1,140,000,000
2.5	\$2,340,000,000	\$2,340,000,000	\$2,340,000,000	\$2,340,000,000	\$2,340,000,000	\$2,340,000,000	\$2,340,000,000	\$2,340,000,000
1	\$5,940,000,000	\$5,940,000,000	\$5,940,000,000	\$5,940,000,000	\$5,940,000,000	\$5,940,000,000	\$5,940,000,000	\$5,940,000,000
Administration Assessment - MOW Per Car								
MOW% of All Expenses								
50	\$6,000.00	\$2,400.00	\$1,200.00	\$600.00	\$240.00	\$120.00	\$60.00	\$30.00
25	\$18,000.00	\$7,200.00	\$3,600.00	\$1,800.00	\$720.00	\$360.00	\$180.00	\$90.00
10	\$54,000.00	\$21,600.00	\$10,800.00	\$5,400.00	\$2,160.00	\$1,080.00	\$540.00	\$270.00
5	\$114,000.00	\$45,600.00	\$22,800.00	\$11,400.00	\$4,560.00	\$2,280.00	\$1,140.00	\$570.00
2.5	\$234,000.00	\$93,600.00	\$46,800.00	\$23,400.00	\$9,360.00	\$4,680.00	\$2,340.00	\$1,170.00
1	\$594,000.00	\$237,600.00	\$118,800.00	\$59,400.00	\$23,760.00	\$11,880.00	\$5,940.00	\$2,970.00

Multimodalways Railway Turnpike Provision Calculations

Fixed Administrative Costs, 1200 Route Miles, Triple Track

Draft 8-31-2009

	Case 1 1M Annual Tons	Case 2 2.5M Annual Tons	Case 3 5M Annual Tons	Case 4 10M Annual Tons	Case 5 25M Annual Tons	Case 6 50M Annual Tons	Case 7 100M Annual Tons	Case 8 200M Annual Tons
Total Annual Network Ton-Miles								
Annual Tonnage	1,000,000	2,500,000	5,000,000	10,000,000	25,000,000	50,000,000	100,000,000	200,000,000
Train Tonnage	10000	10000	10000	10000	10000	10000	10000	10000
# Trains	100	250	500	1000	2500	5000	10000	20000
Trip Distance	1200	1200	1200	1200	1200	1200	1200	1200
Total Ton-Miles	1,200,000,000	3,000,000,000	6,000,000,000	12,000,000,000	30,000,000,000	60,000,000,000	120,000,000,000	240,000,000,000
Total Network Track Miles	3600	3600	3600	3600	3600	3600	3600	3600
Annual MOW Amount	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Annual Network MOW	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000
Tons per Mile Assessment for MOW	\$0.075000	\$0.030000	\$0.015000	\$0.007500	\$0.003000	\$0.001500	\$0.000750	\$0.000375
Administration Expenses - MOW								
MOW% of All Expenses								
50	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000	\$90,000,000
25	\$270,000,000	\$270,000,000	\$270,000,000	\$270,000,000	\$270,000,000	\$270,000,000	\$270,000,000	\$270,000,000
10	\$810,000,000	\$810,000,000	\$810,000,000	\$810,000,000	\$810,000,000	\$810,000,000	\$810,000,000	\$810,000,000
5	\$1,710,000,000	\$1,710,000,000	\$1,710,000,000	\$1,710,000,000	\$1,710,000,000	\$1,710,000,000	\$1,710,000,000	\$1,710,000,000
2.5	\$3,510,000,000	\$3,510,000,000	\$3,510,000,000	\$3,510,000,000	\$3,510,000,000	\$3,510,000,000	\$3,510,000,000	\$3,510,000,000
1	\$8,910,000,000	\$8,910,000,000	\$8,910,000,000	\$8,910,000,000	\$8,910,000,000	\$8,910,000,000	\$8,910,000,000	\$8,910,000,000
Administration Assessment - MOW Per Car								
MOW% of All Expenses								
50	\$9,000.00	\$3,600.00	\$1,800.00	\$900.00	\$360.00	\$180.00	\$90.00	\$45.00
25	\$27,000.00	\$10,800.00	\$5,400.00	\$2,700.00	\$1,080.00	\$540.00	\$270.00	\$135.00
10	\$81,000.00	\$32,400.00	\$16,200.00	\$8,100.00	\$3,240.00	\$1,620.00	\$810.00	\$405.00
5	\$171,000.00	\$68,400.00	\$34,200.00	\$17,100.00	\$6,840.00	\$3,420.00	\$1,710.00	\$855.00
2.5	\$351,000.00	\$140,400.00	\$70,200.00	\$35,100.00	\$14,040.00	\$7,020.00	\$3,510.00	\$1,755.00
1	\$891,000.00	\$356,400.00	\$178,200.00	\$89,100.00	\$35,640.00	\$17,820.00	\$8,910.00	\$4,455.00