## Contents

## Articles

Fundamentals of Transportation		
Fundamentals of Transportation/About	2	
Fundamentals of Transportation/Introduction	3	
Transportation Economics/Introduction	6	
Fundamentals of Transportation/Geography and Networks	11	
Fundamentals of Transportation/Trip Generation	20	
Fundamentals of Transportation/Trip Generation/Problem	26	
Fundamentals of Transportation/Trip Generation/Solution	27	
Fundamentals of Transportation/Destination Choice	28	
Fundamentals of Transportation/Destination Choice/Background	34	
Fundamentals of Transportation/Mode Choice	40	
Fundamentals of Transportation/Mode Choice/Problem	49	
Fundamentals of Transportation/Mode Choice/Solution	50	
Fundamentals of Transportation/Route Choice	52	
Fundamentals of Transportation/Route Choice/Problem	61	
Fundamentals of Transportation/Route Choice/Solution	61	
Fundamentals of Transportation/Evaluation	64	
Fundamentals of Transportation/Planning	77	
Fundamentals of Transportation/Operations	81	
Fundamentals of Transportation/Queueing	85	
Fundamentals of Transportation/Queueing/Problem1	93	
Fundamentals of Transportation/Queueing/Solution1	93	
Fundamentals of Transportation/Queueing/Problem2	94	
Fundamentals of Transportation/Queueing/Solution2	94	
Fundamentals of Transportation/Queueing/Problem3	95	
Fundamentals of Transportation/Queueing/Solution3	95	
Fundamentals of Transportation/Traffic Flow	96	
Fundamentals of Transportation/Traffic Flow/Problem	104	
Fundamentals of Transportation/Traffic Flow/Solution	104	
Fundamentals of Transportation/Queueing and Traffic Flow	105	
Fundamentals of Transportation/Shockwaves	111	
Fundamentals of Transportation/Shockwaves/Problem	115	
Fundamentals of Transportation/Shockwaves/Solution		
Fundamentals of Transportation/Traffic Signals	116	

Fundamentals of Transportation/Traffic Signals/Problem	
Fundamentals of Transportation/Traffic Signals/Solution	126
Fundamentals of Transportation/Design	127
Fundamentals of Transportation/Sight Distance	129
Fundamentals of Transportation/Sight Distance/Problem	135
Fundamentals of Transportation/Sight Distance/Solution	135
Fundamentals of Transportation/Grade	136
Fundamentals of Transportation/Grade/Problem	142
Fundamentals of Transportation/Grade/Solution	143
Fundamentals of Transportation/Earthwork	144
Fundamentals of Transportation/Earthwork/Problem	149
Fundamentals of Transportation/Earthwork/Solution	149
Fundamentals of Transportation/Horizontal Curves	
Fundamentals of Transportation/Horizontal Curves/Problem	
Fundamentals of Transportation/Horizontal Curves/Solution	
Fundamentals of Transportation/Vertical Curves	
Fundamentals of Transportation/Vertical Curves/Problem	165
Fundamentals of Transportation/Vertical Curves/Solution	
Transportation Economics/Pricing	
Fundamentals of Transportation/Conclusions	
Transportation Economics/Decision making	

## References

Article Sources and Contributors	187
Image Sources, Licenses and Contributors	189

## Article Licenses

License	191
License	171