

One-way: To Improve Denver Traffic

One-way roads have been hailed as an effective measure to increase flow, decrease pedestrian accidents and reduce traffic. For example, Portland Oregon has seen half as many automobile and pedestrian crashes. This is because there are fewer meeting points between cross traffic as well as the fact that pedestrians only have to check one direction to ensure safety. There have been recent reports that in practice, despite this logic, the latter claim that one way streets reduce traffic does not hold. In this project, we aim to model the flow of traffic in a Denver neighborhood under current circumstances as well as under the stipulation of adding one-way streets. We will use the linear programming techniques of network flows to make this model.