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Homburger, Kell and Perkins, Fundamentals of Traffic Engineering, 13th Edition, Institute of Transportation Studies, University of California (Berkeley), 1992. Das, Shantanu and Levinson, D. (2004) A Queuing and Statistical Analysis of Freeway Bottleneck Formation. ASCE Journal of Transportation Engineering Vol. 130, No. 6, November/December 2004, pp. 787-795

Traffic engineering (transportation) - Wikipedia

Problem: A current roadway is climbing a hill at an angle of +3.0%. The roadway starts at station 100+00 and elevation of 1000 m. At station 110+00, there is an at-grade railroad crossing that goes over the sloped road.

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