**Homework 1**

Indicate reasonable values for the

(i) free flow speed,

(ii) critical speed,

(iii) critical density and

(iv) jam density.3

Assume the fundamental diagram holds. The demand is constant at 3500 veh/h. The bridge opens at t=1h and is opened for 15 minutes.

**Homework 2**

On a particular road the Greenshields fundamental diagram holds, with a free flow speed of 80 km/h and a jam density of 100 veh/km. Does this determine the capacity with no further assumptions? If so, calculate. If not, why not.