Planning and Implementing

Algorithm in English

The first step is for the system to check the track circuits for approaching trains, if true, then lower the gates immediately. Under no circumstance should the gate be raised if a train is on approach. If no trains are on approach, move to the next step.

Next the system has to check the inductive loops to see if vehicles are on the tracks, if true, lower the gate immediately. If not, move onto the next check.

If both are false, then raise the gate.

Flow Chart