

ABSTRACT

Embodiments of the disclosure provide methods and systems for adjusting road conditions. The system includes a communication interface configured to receive driving information indicative of vehicle driving records on a road. The road includes first and second direction lanes. The system includes a storage configured to store preset parameters. The system includes a processor configured to divide the road into road segments and determine a first traffic congestion index and a second traffic congestion index for the first direction lane and the second direction lane, respectively, based on the driving information associated with each road segment and the preset parameters. The processor is configured to determine a directional imbalance index for the road based on the first and second traffic congestion indices. The processor is configured to provide an instruction to adjust the first direction lane and/or the second direction lane of the road based on the directional imbalance index.

(Fig 5)