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按照INFRAMIX针对自动驾驶支持能力对路侧基础设施进行的分级，A级RSU可以为车辆提供单车推荐路径规划甚至多车协同调配，B、C级RSU可提供协同感知能力和动态数据支持，D级RSU可提供静态数据支持。此处考虑A级RSU路口处车端路端分别规划路径并择优选取，非A级路口处路端提供数据支持下的车端规划的策略。

Reference:

2017-Ulbrich, et al-Towards a Functional System Architecture for Automated Vehicles
2020-Zhou, et al.-Autonomous Vehicles' Turning Motion Planning for Conflict Areas at Mixed-Flow Intersections
2020-Bengler et al.-From HMI to HMIs Towards an HMI Framework for Automated Driving
2019-Noh-Decision Making Framework for Autonomous Driving at Road Intersections Safeguarding Against Collision, Overly Conservative Behaviour, and Violation Vehicles