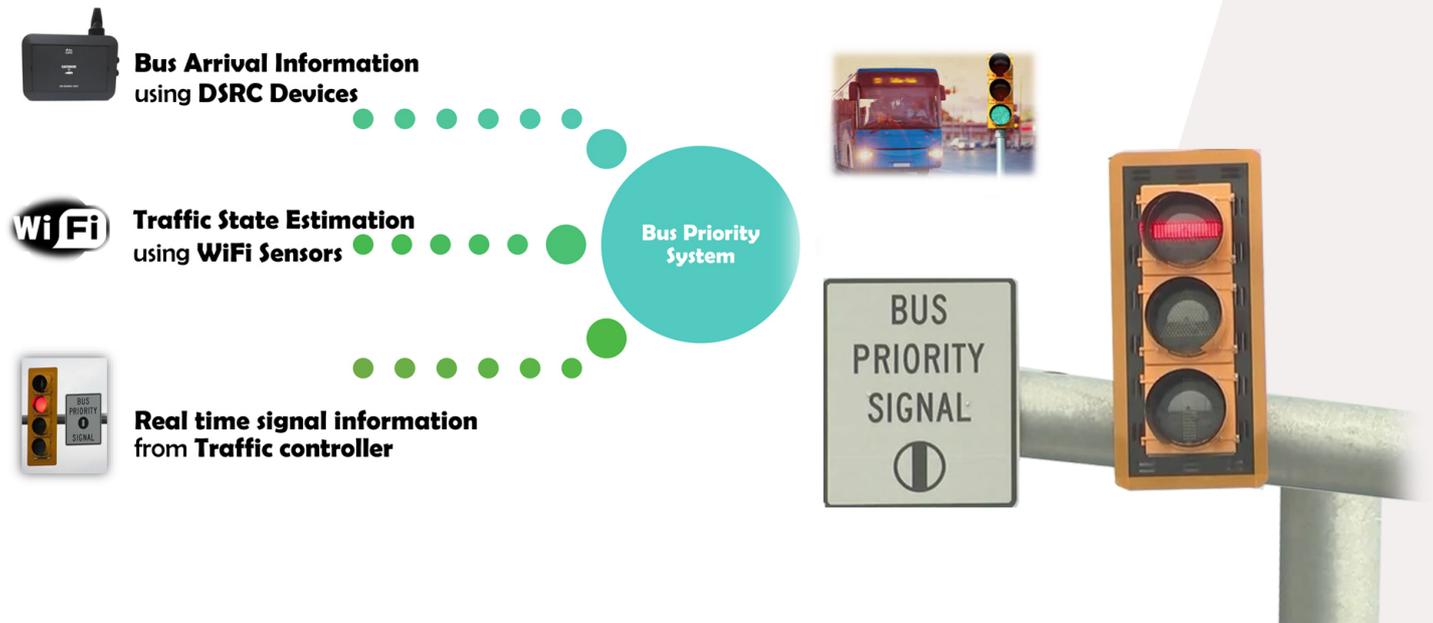


Bus Priority System at Signalized Intersections

Bus Signal Priority is an operational strategy that facilitates the movement of in-service buses through signalized intersections. The system aims to minimize person delay by providing priority to public transport buses through Green extension or Red truncation, considering all vehicles approaching a signalized intersection.

Salient Features

- Bus Arrival information using DSRC Devices
 - OBU modules instrumented on public transport buses
 - RSU modules installed on traffic signal poles
- Traffic state estimation using Wi-Fi Sensors
 - Cost effective Wi-Fi Sensor instrumented on signal approaches
- Real Time Signal information
 - Real-time signal timing information from traffic controller
- Priority Signal System
 - Active Model based Priority System using V2I communication
 - API support for traffic controller integration



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