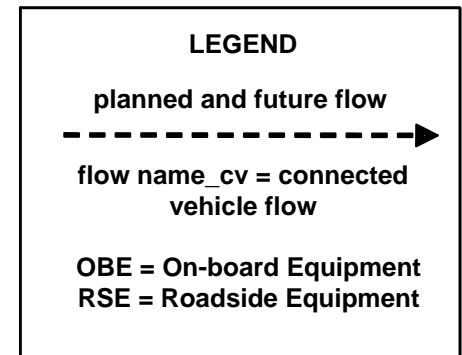
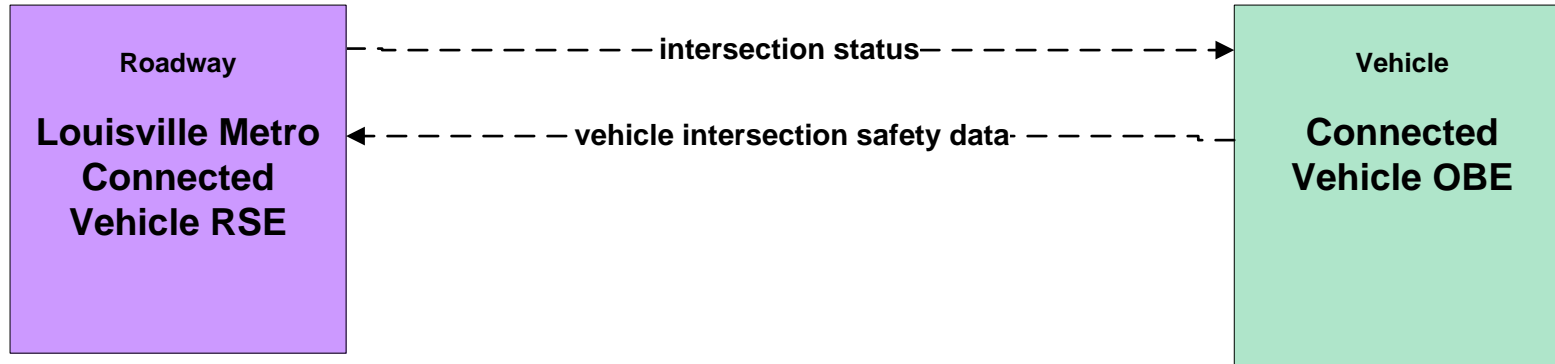


KIPDA Regional ITS Architecture

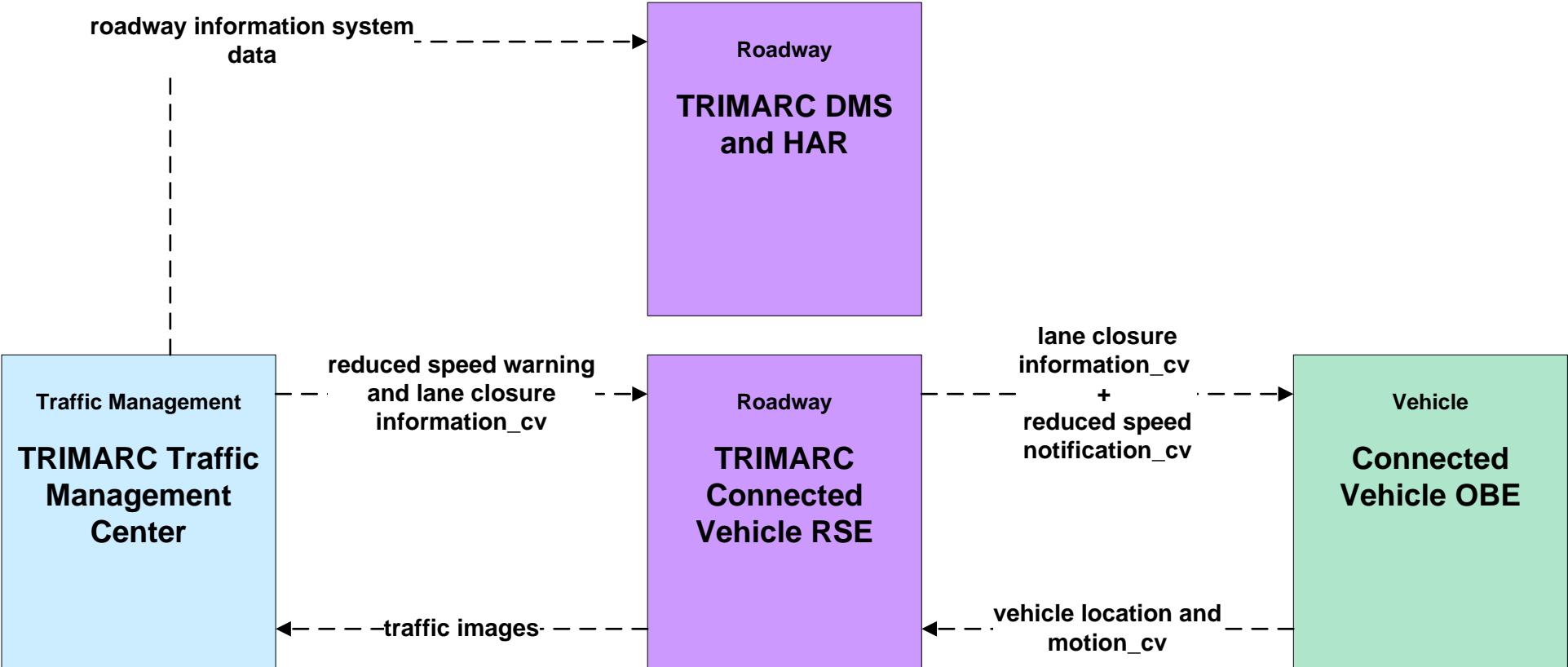
Customized Market Package Diagrams

Automated Vehicle Safety Systems (AVSS)

**AVSS10 – Intersection Collision Avoidance
Connected Intersections
Louisville Metro**



**AVSS12 – Cooperative Vehicle Safety Systems
TRIMARC Reduced Speed Zone Warning**



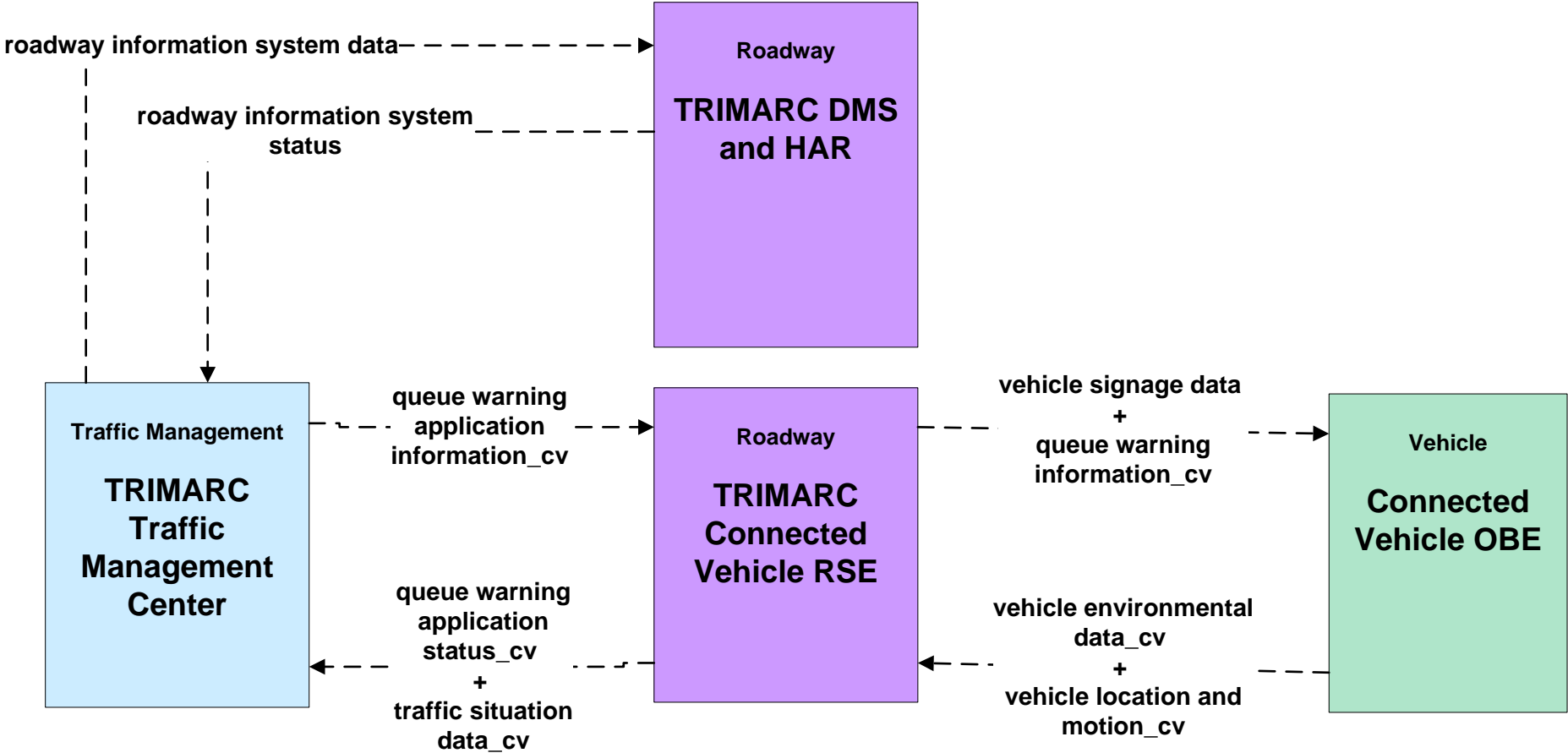
LEGEND

planned and future flow
 - - - - ->

flow name_cv = connected vehicle flow

OBE = On-board Equipment
 RSE = Roadside Equipment

**AVSS12 – Cooperative Vehicle Safety Systems
TRIMARC Queue Warning**



LEGEND

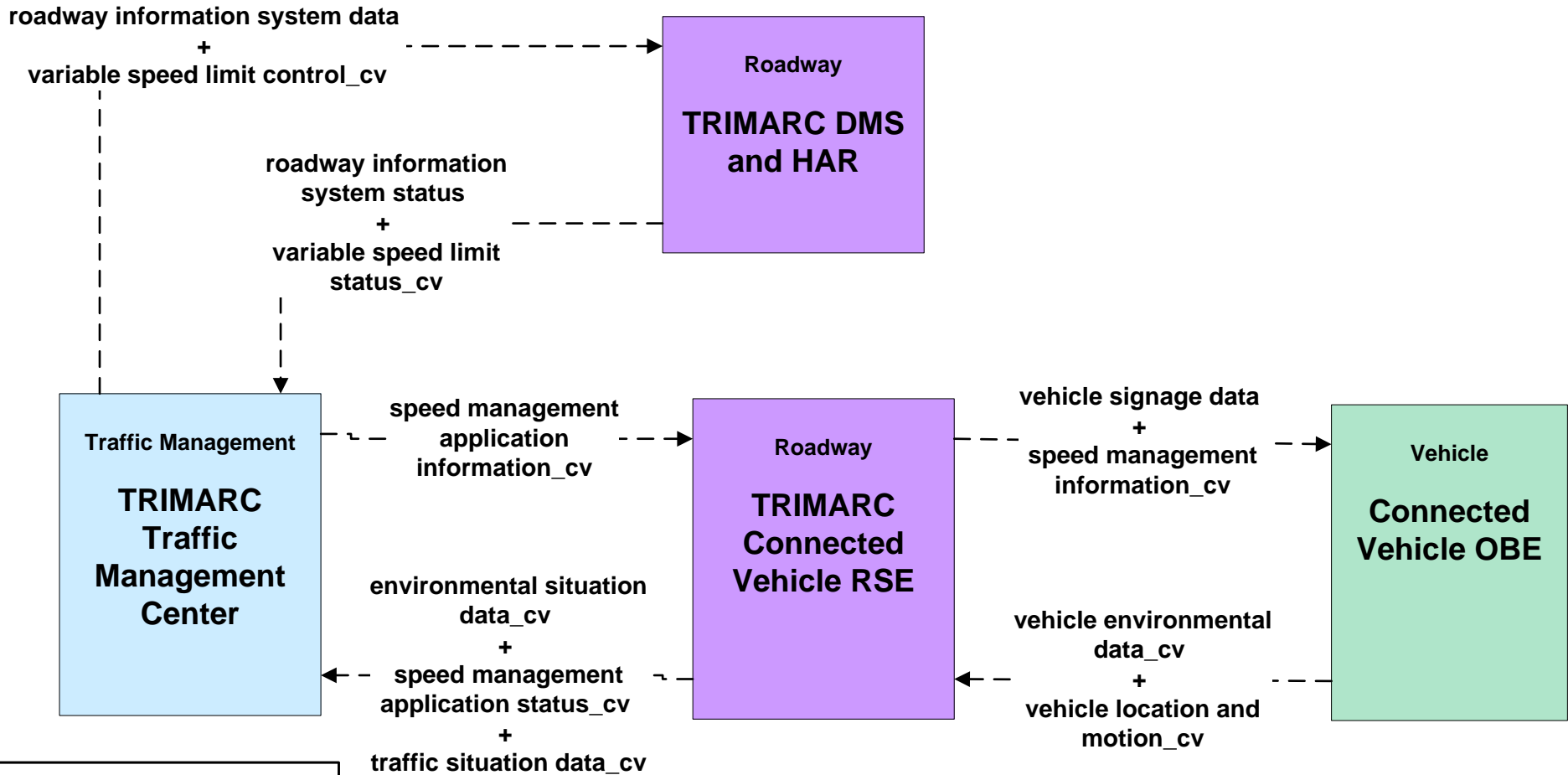
planned and future flow
 ----->

flow name_cv = connected vehicle flow

OBE = On-board Equipment
 RSE = Roadside Equipment

AVSS12 – Cooperative Vehicle Safety Systems

TRIMARC Speed Harmonization



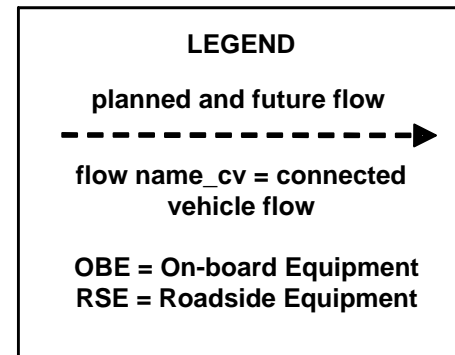
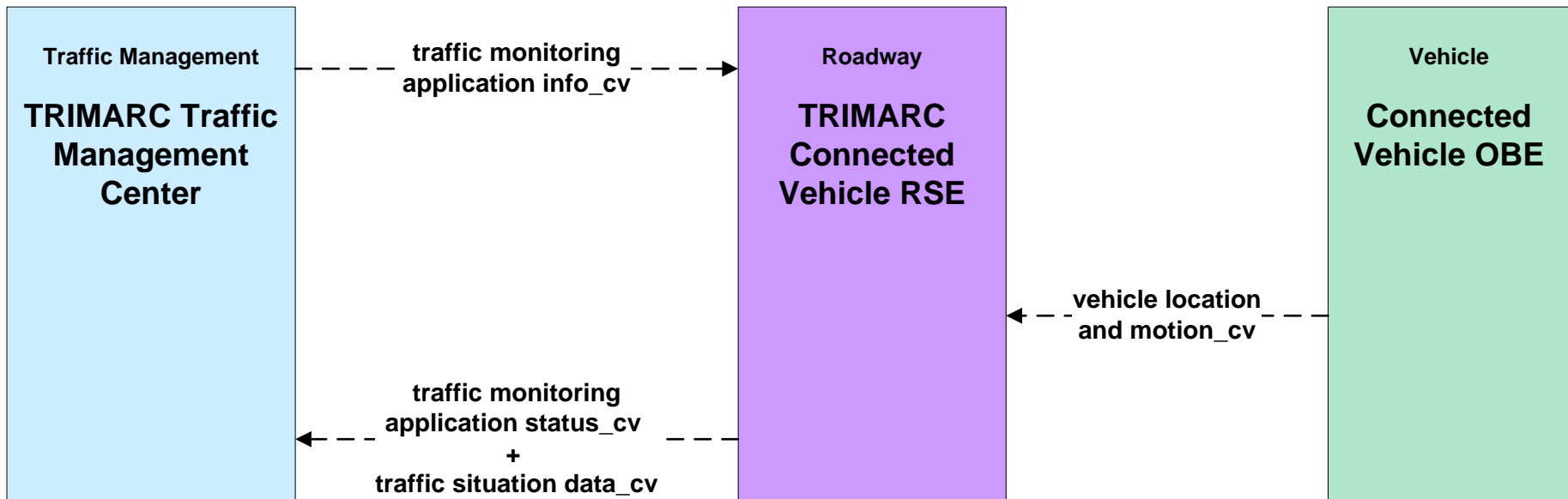
LEGEND

planned and future flow
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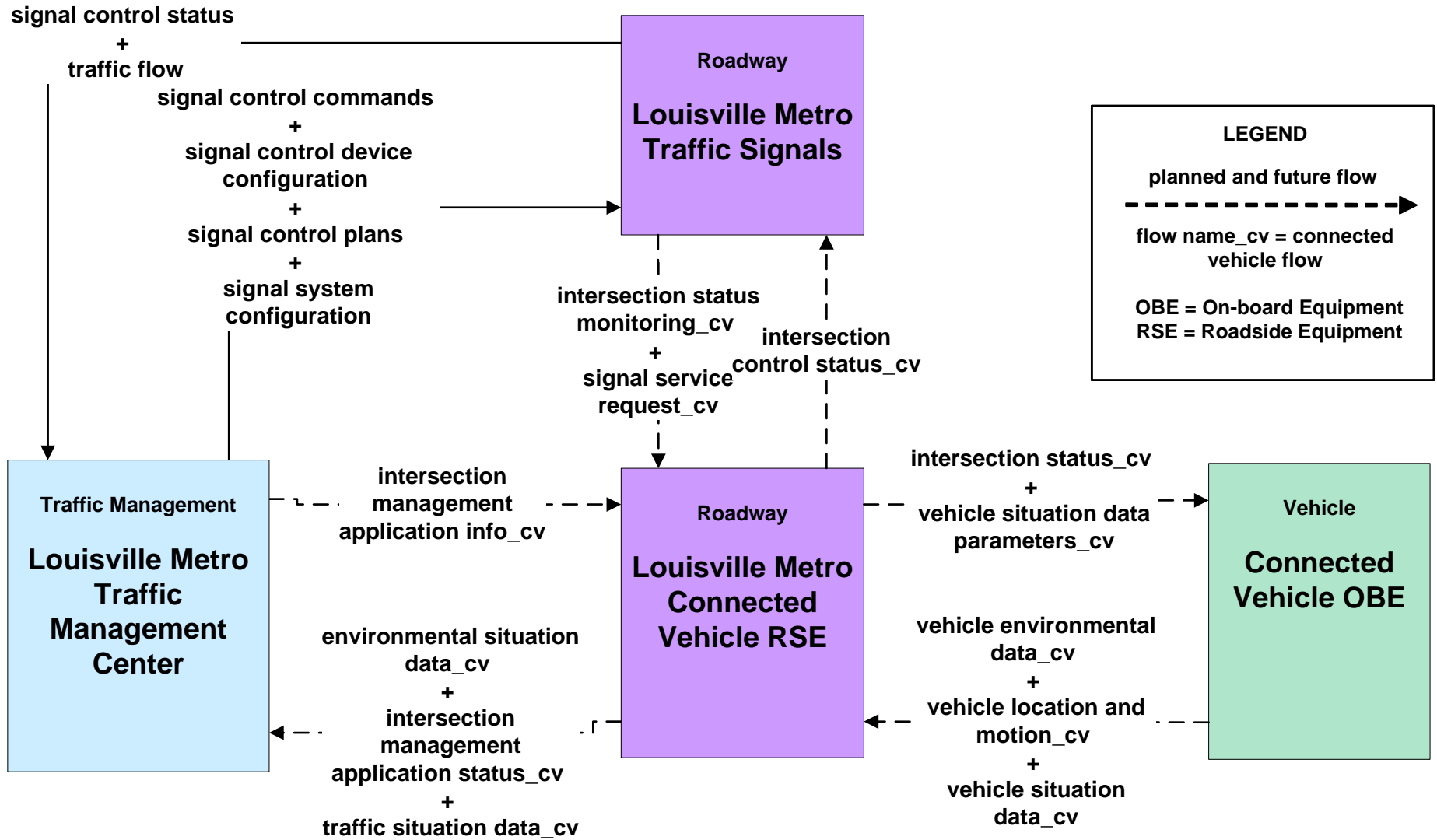
flow name_cv = connected vehicle flow

OBE = On-board Equipment
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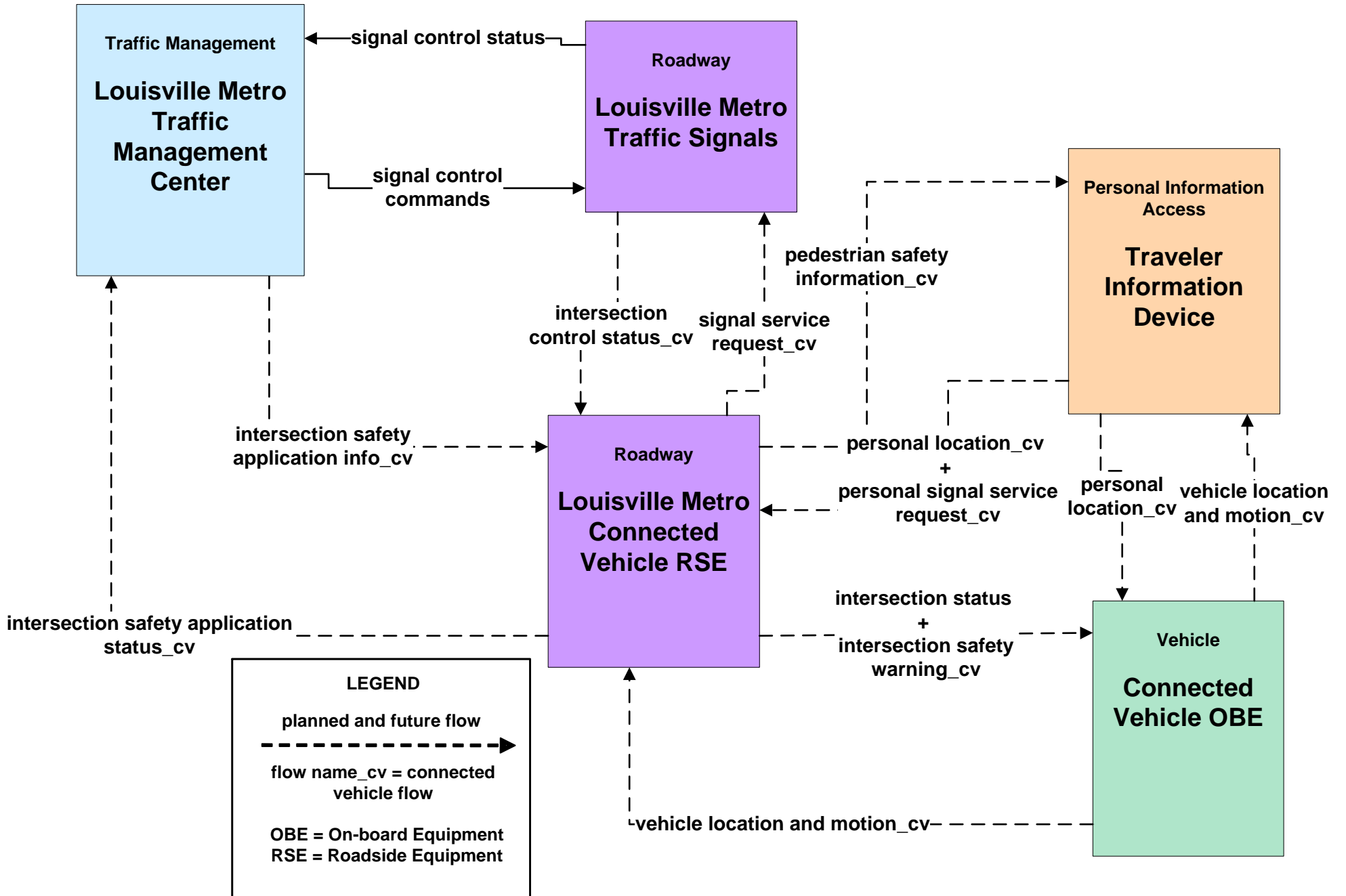
**AVSS12 – Cooperative Vehicle Safety Systems
TRIMARC Vehicle Data for Traffic Operations**



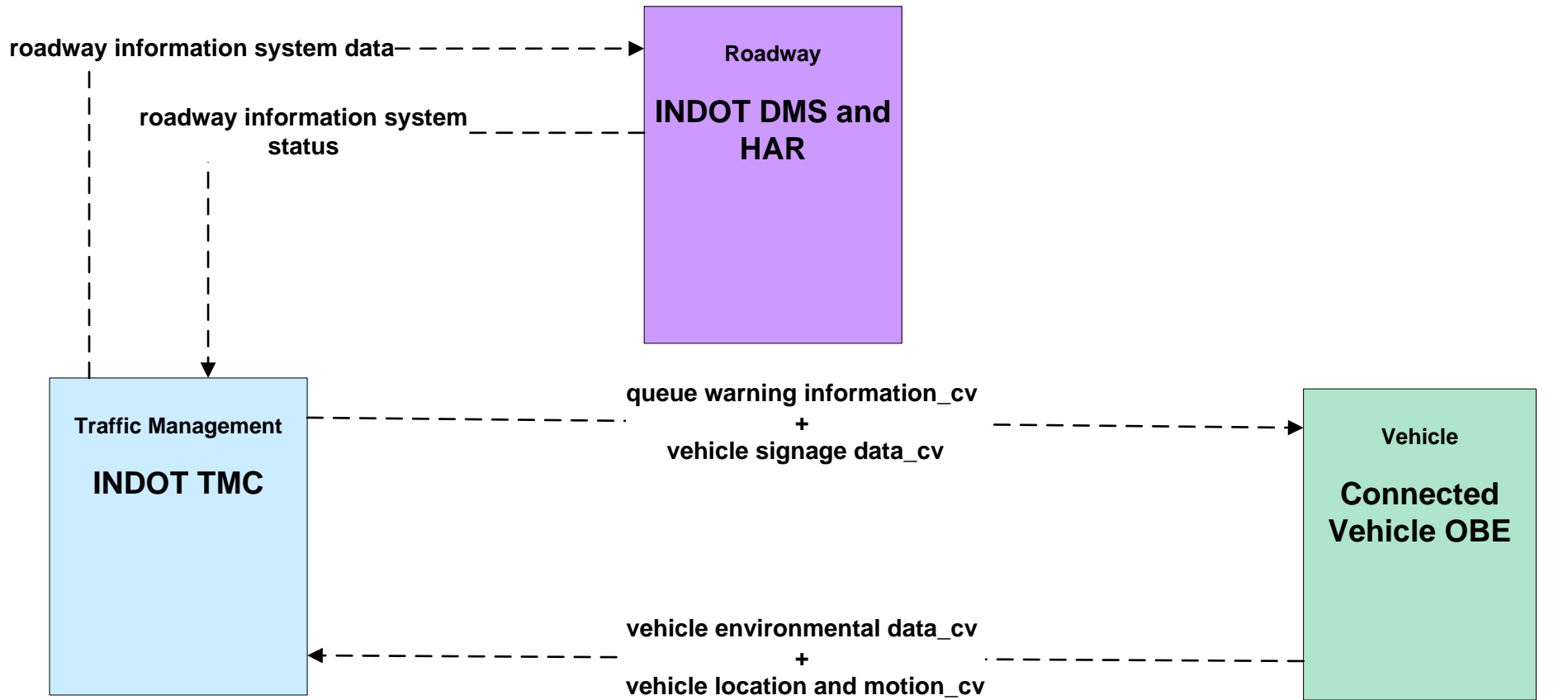
AVSS12 – Cooperative Vehicle Safety Systems Louisville Metro Intelligent Traffic Signal System



AVSS12 – Cooperative Vehicle Safety Systems Louisville Metro Pedestrian Mobility



AVSS12 – Cooperative Vehicle Safety Systems INDOT Queue Warning



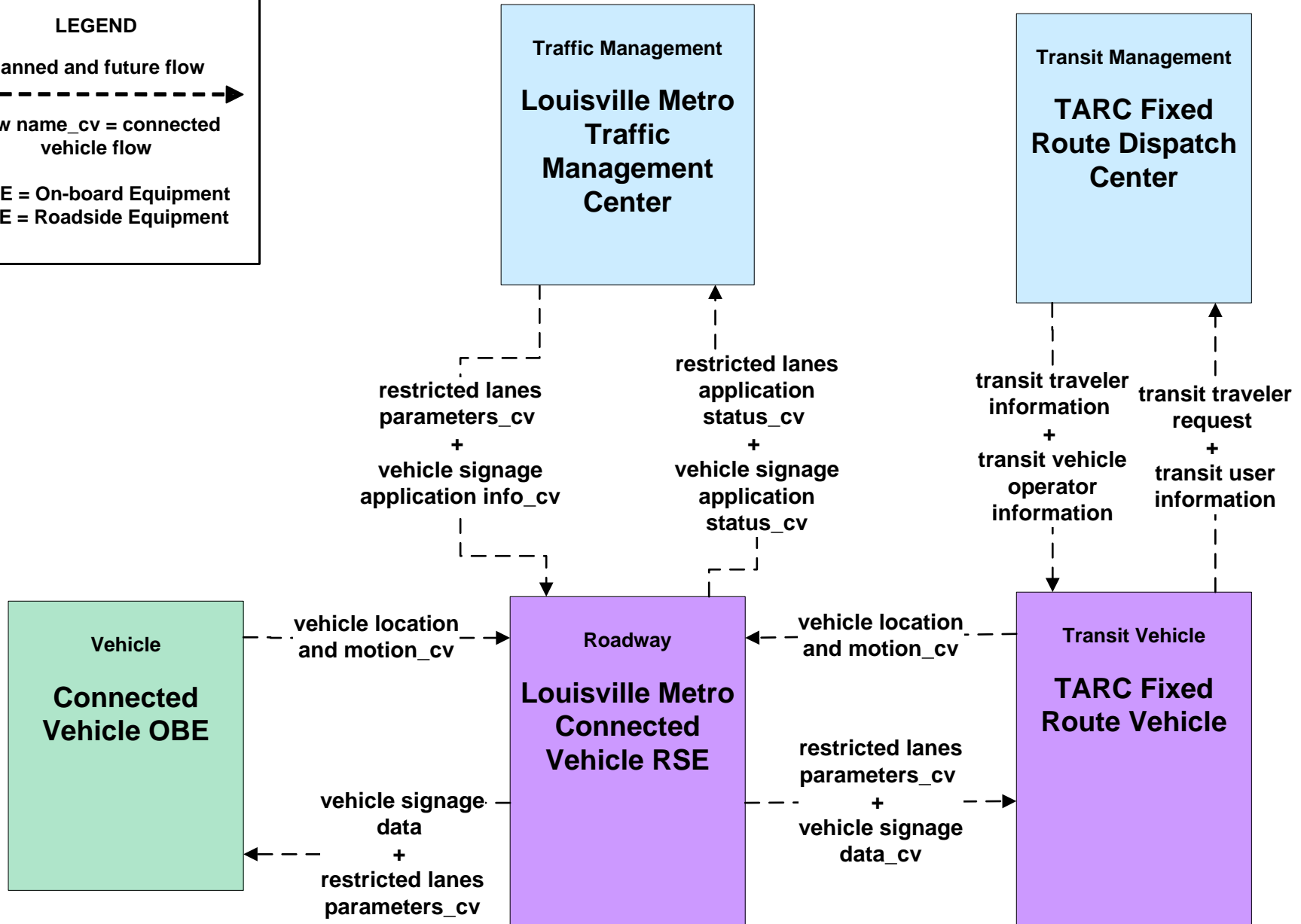
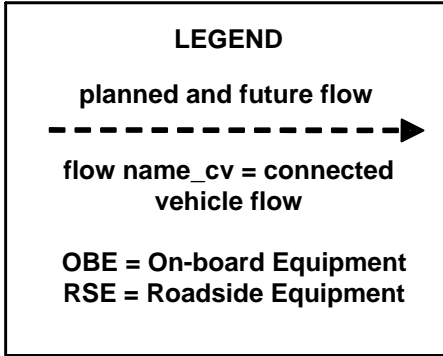
LEGEND

planned and future flow
----->

flow name_cv = connected
vehicle flow

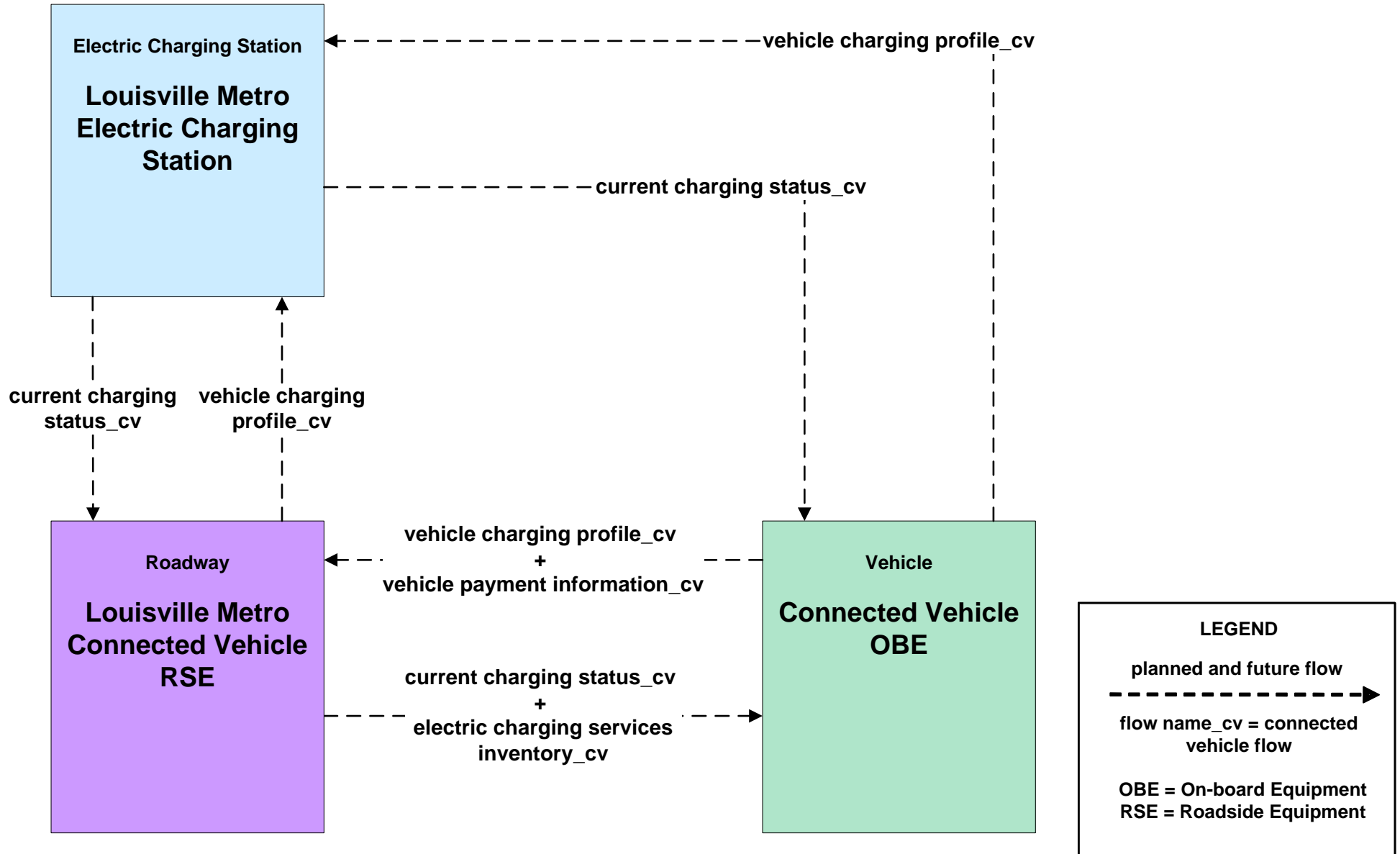
OBE = On-board Equipment
RSE = Roadside Equipment

AVSS12 – Cooperative Vehicle Safety Systems TARC Intermittent Bus Lanes



AVSS12 – Cooperative Vehicle Safety Systems

Louisville Metro Electrical Vehicle Charging System



**AVSS12 – Cooperative Vehicle Safety Systems
TARC Electrical Vehicle Charging Stations**

