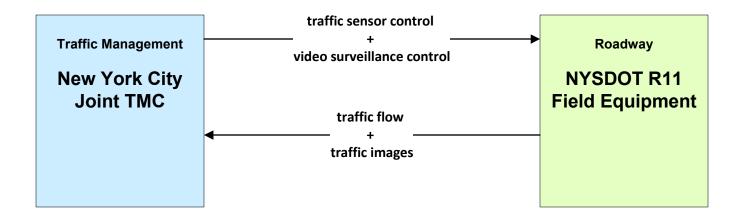
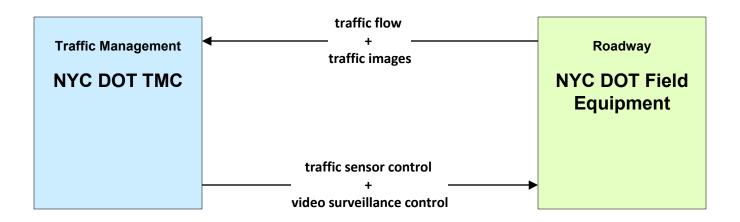
New York City Sub Regional ITS Architecture

Customized Service Package Diagrams

Advanced Traffic Management Systems (ATMS)

ATMS01 - Network Surveillance New York City Joint TM



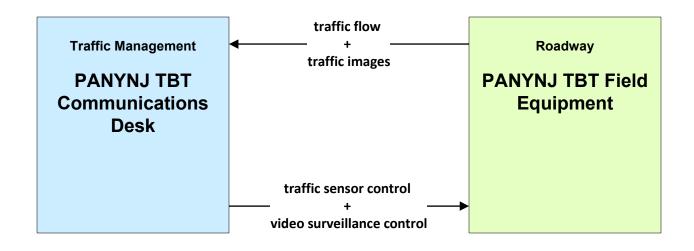


existing flow

user defined flow

See ATIS02-09 for connections between JTMC and Traveler Information

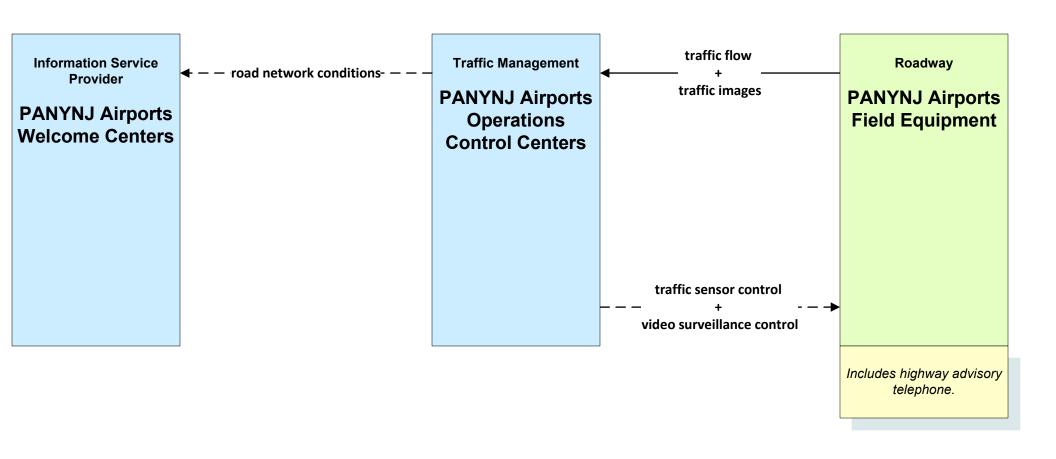
ATMS01 - Network Surveillance PANYNJ Tunnels/Bridges



existing flow

user defined flow

ATMS01 - Network Surveillance PANYNJ Airports

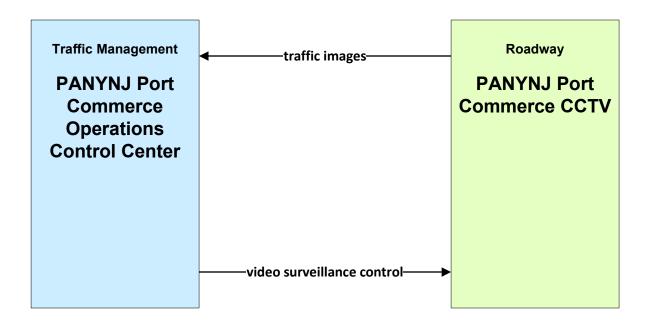


planned/future flow

existing flow

user defined flow

ATMS01 - Network Surveillance PANYNJ Port Commerce

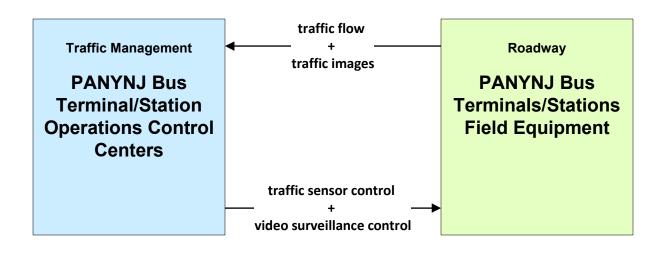


planned/future flow

existing flow

user defined flow

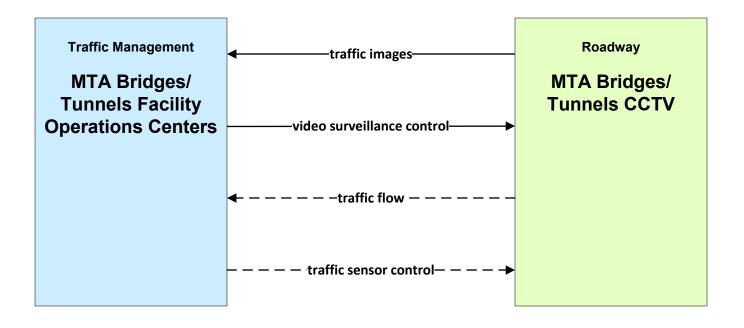
ATMS01 - Network Surveillance PANYNJ Bus Terminals/Stations



existing flow

user defined flow

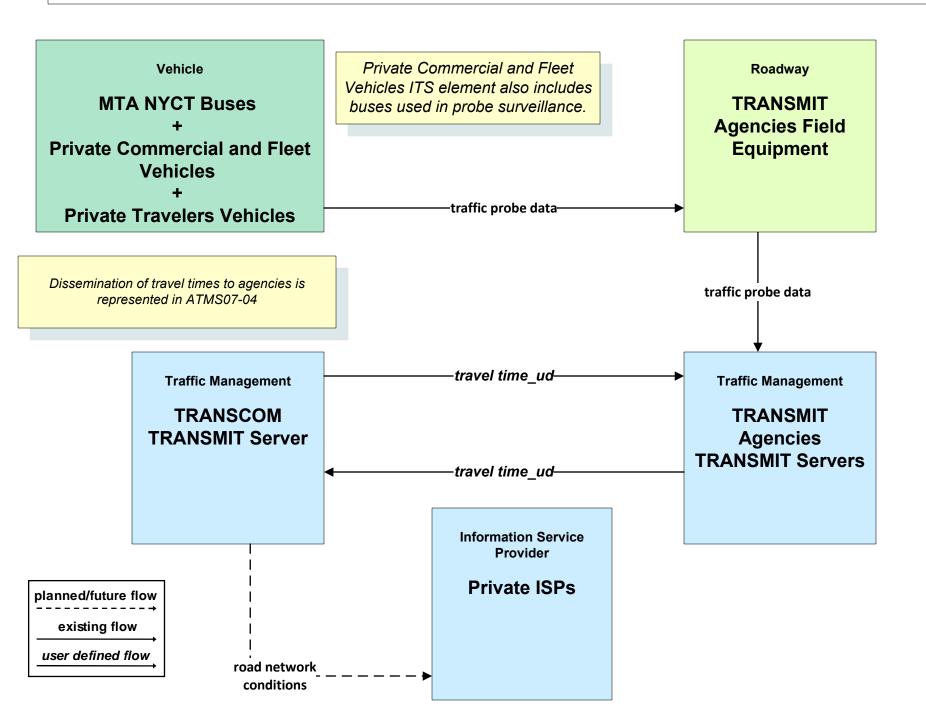
ATMS01 - Network Surveillance MTA Bridges and Tunnels



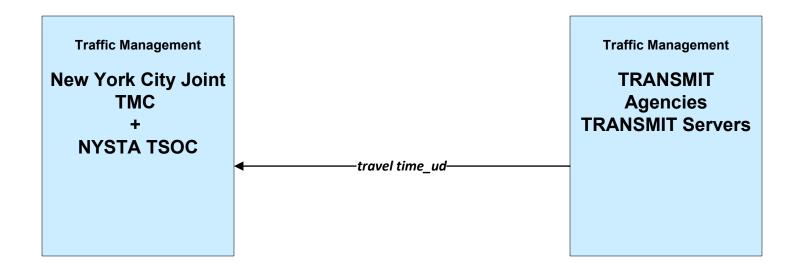
existing flow

user defined flow

ATMS02 – Traffic Probe Surveillance TRANSMIT



ATMS02 - Traffic Probe Surveillance NYSDOT/NYSTA

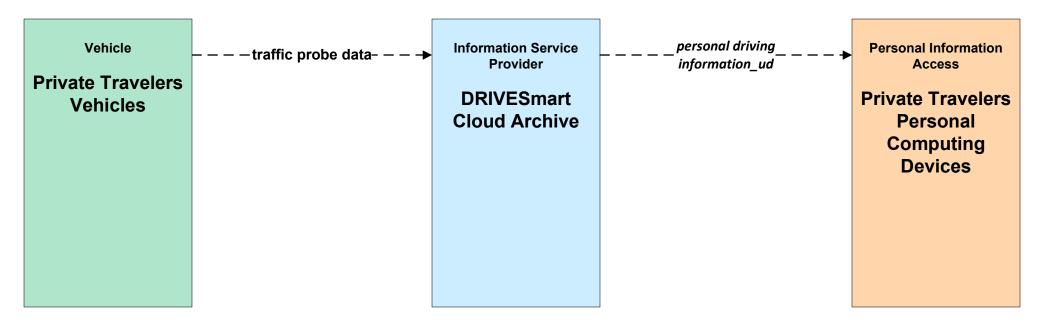


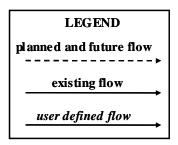
ATMS06 shows Travel Time Dissemination to Dynamic Message SIgns

existing flow

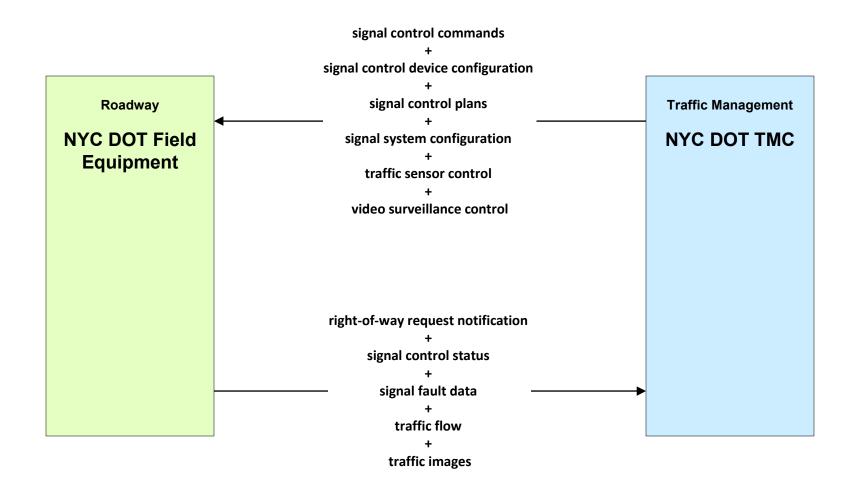
user defined flow

ATMS02 - Traffic Probe Surveillance DRIVESmart





ATMS03 – Traffic Signal Control NYC DOT

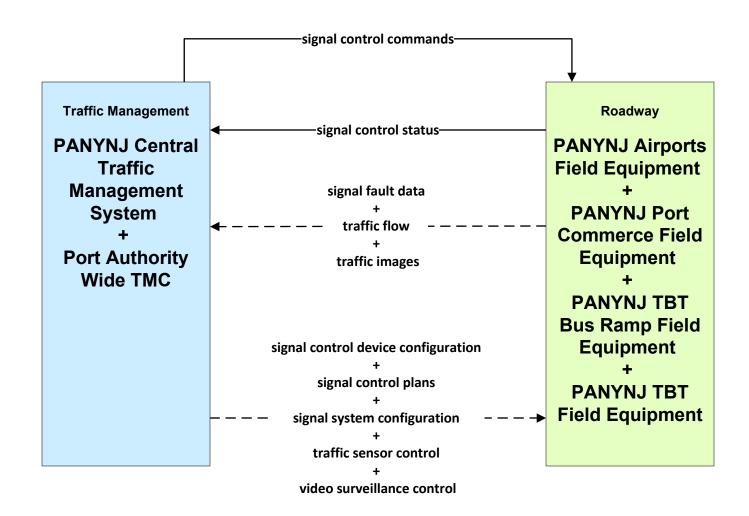


existing flow

user defined flow

See ATIS02-02 for connections between JTMC and Traveler Information

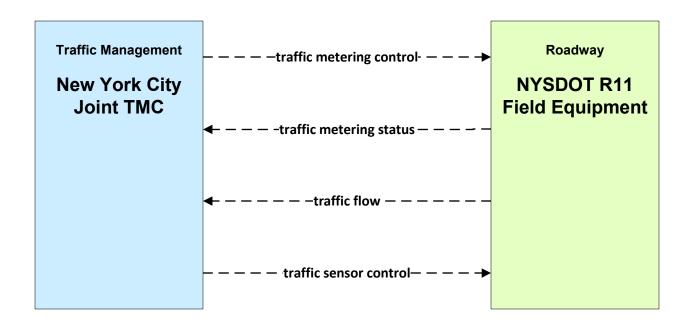
ATMS03 – Traffic Signal Control PANYNJ Airports and Port Commerce



planned/future flow -----→ existing flow

user defined flow

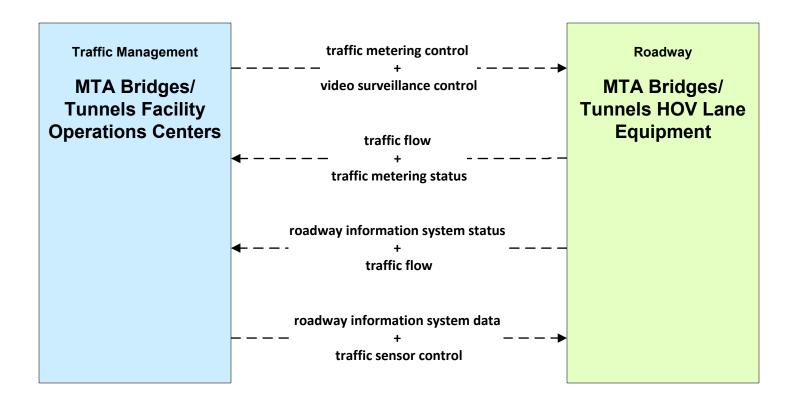
ATMS04 – Traffic Metering NYSDOT R11



existing flow

user defined flow

ATMS04 – Traffic Metering MTA Bridges and Tunnels

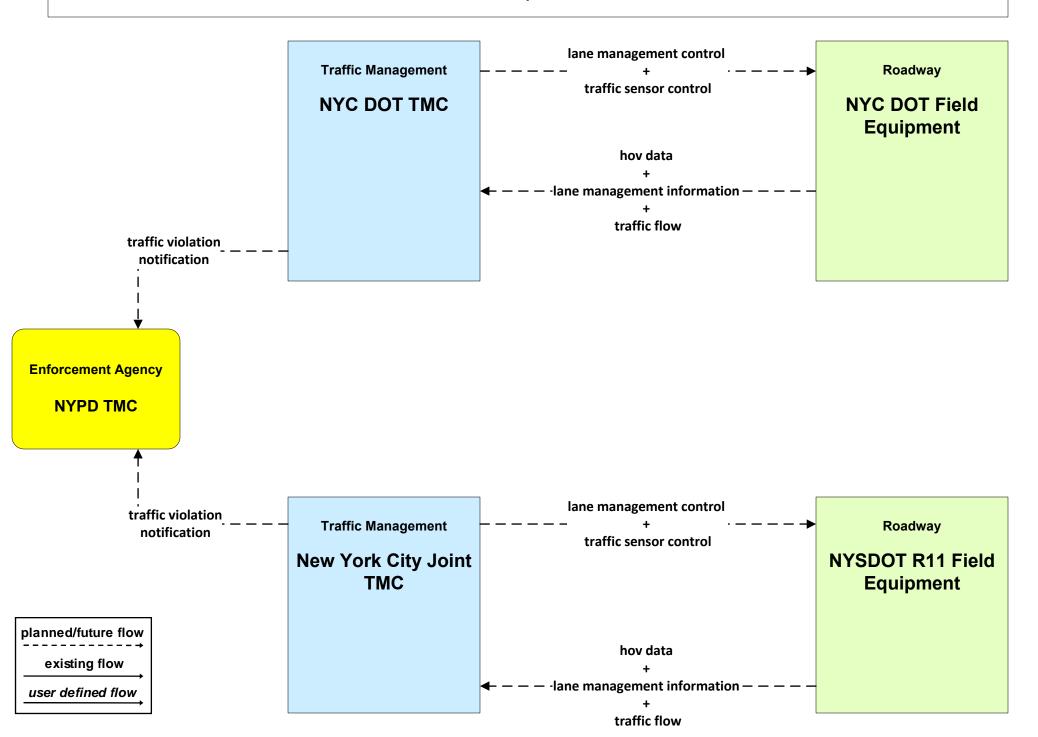


planned/future flow

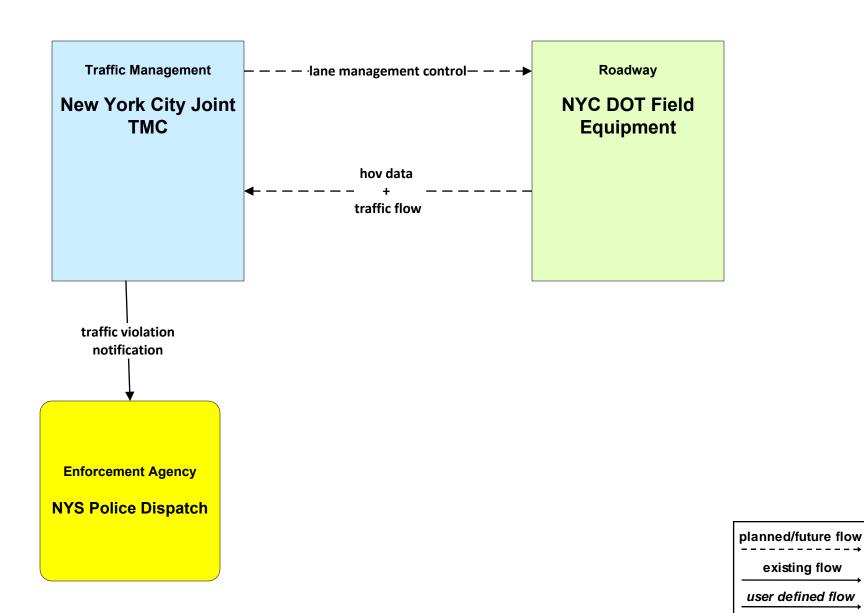
existing flow

user defined flow

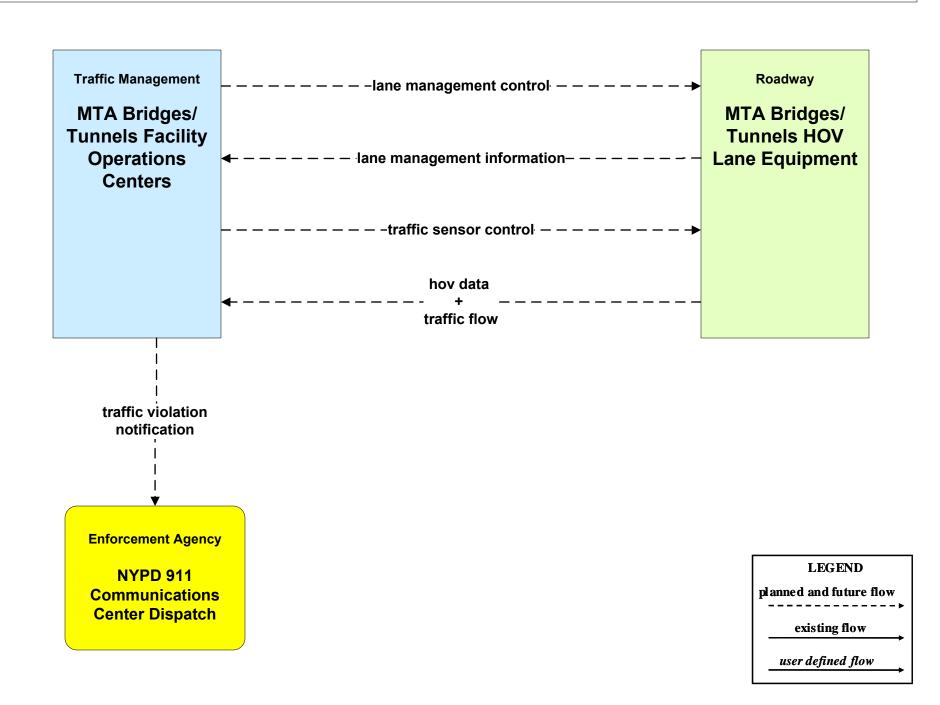
ATMS05 - HOV Lane Management NYC DOT/NYSDOT



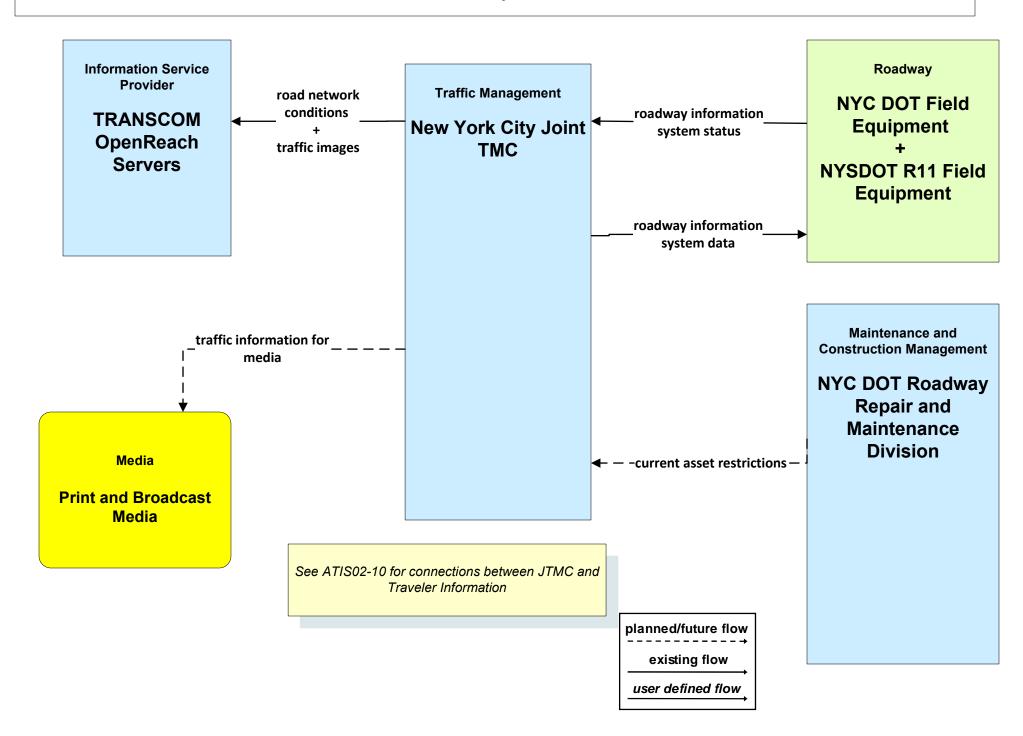
ATMS05 - HOV Lane Management NYC DOT - East River Bridge Crossings HOV



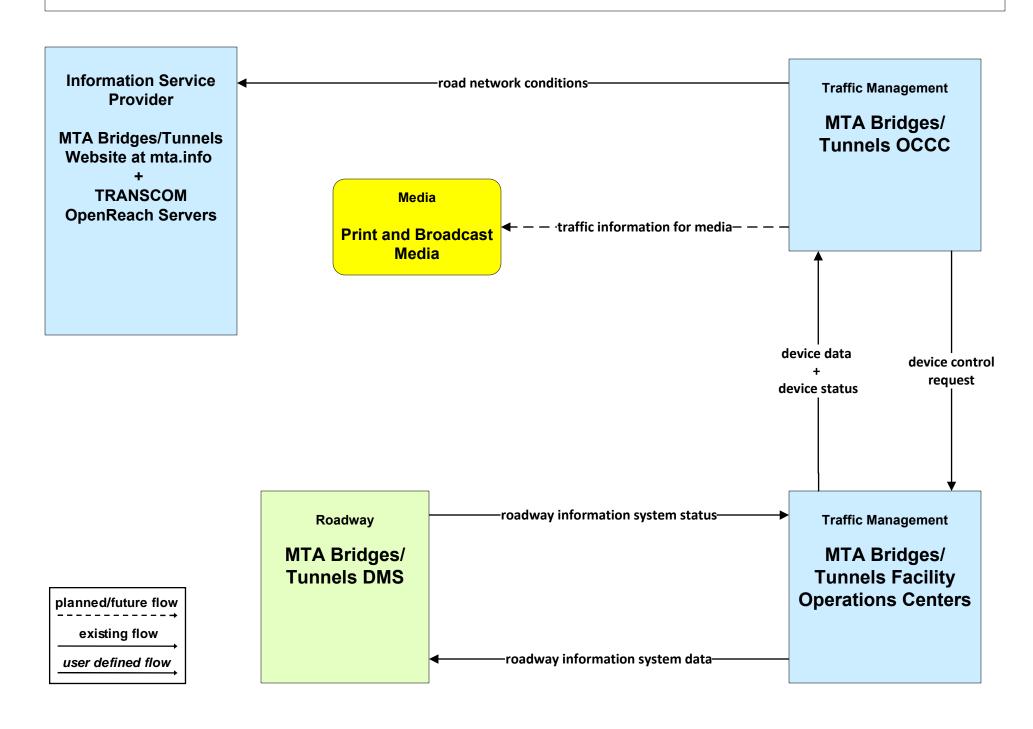
ATMS05 - HOV Lane Management MTA Bridges and Tunnels



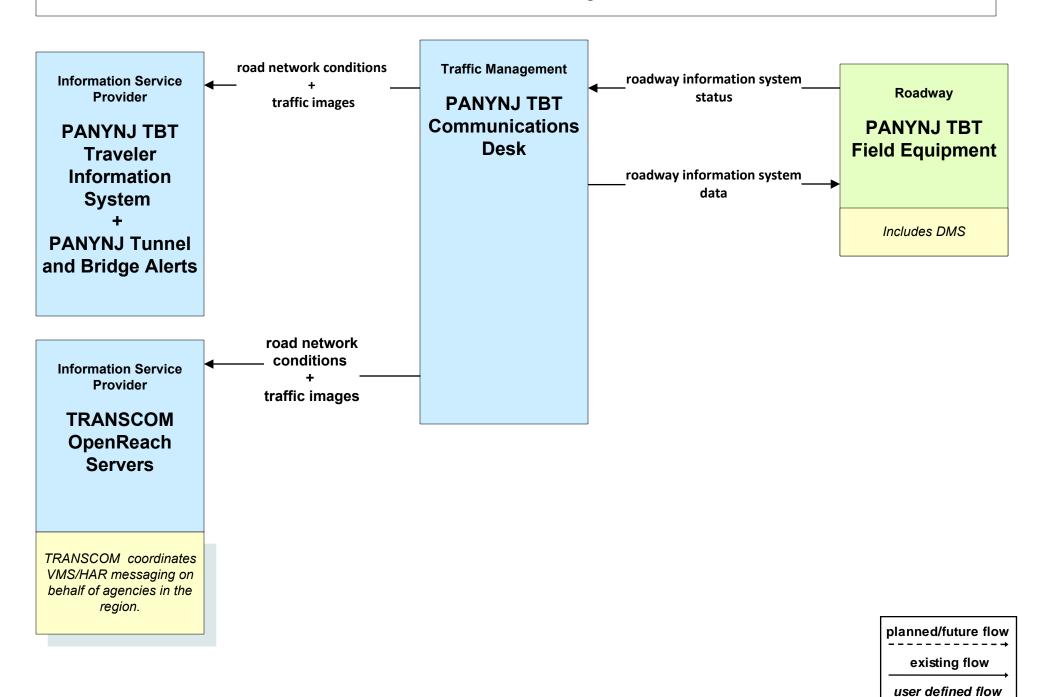
ATMS06 - Traffic Information Dissemination New York City Joint TMC



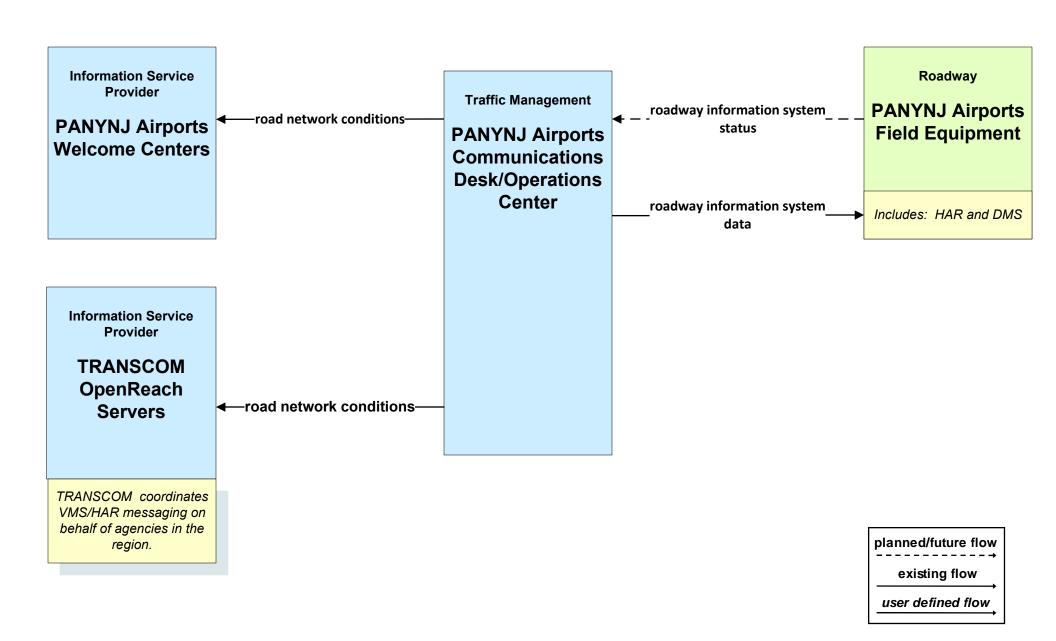
ATMS06 - Traffic Information Dissemination MTA Bridges and Tunnels



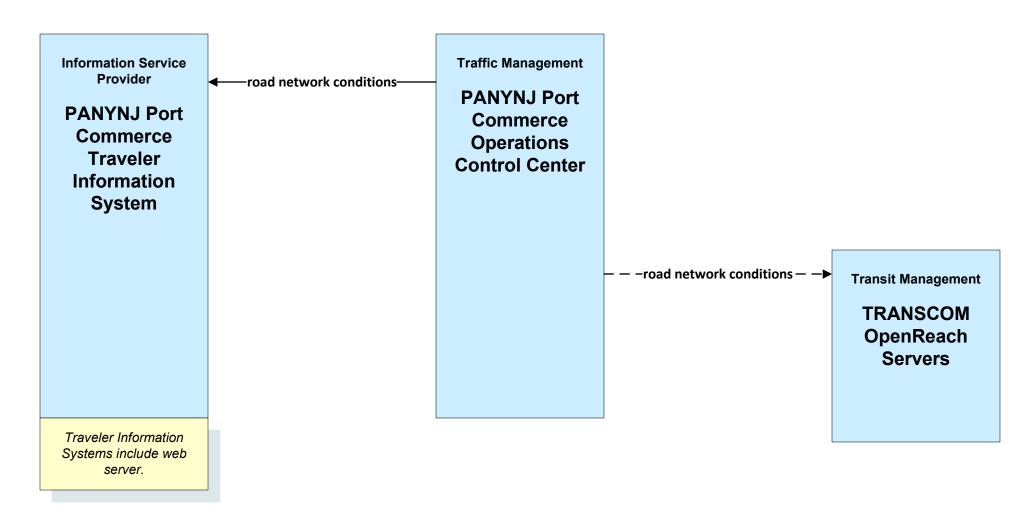
ATMS06 - Traffic Information Dissemination PANYNJ Tunnels/Bridges



ATMS06 - Traffic Information Dissemination PANYNJ Airports

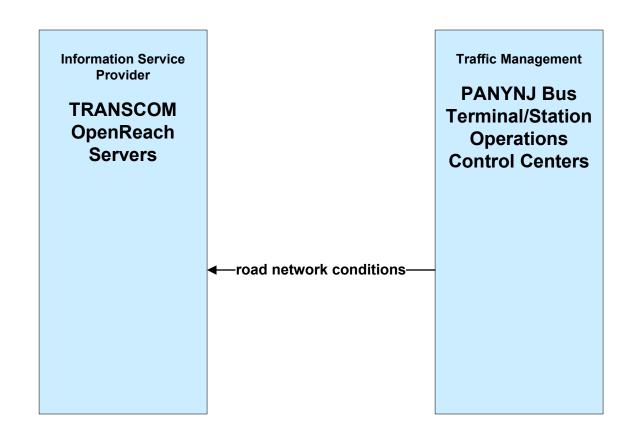


ATMS06 - Traffic Information Dissemination PANYNJ Port Commerce



planned/future flow
----existing flow
user defined flow

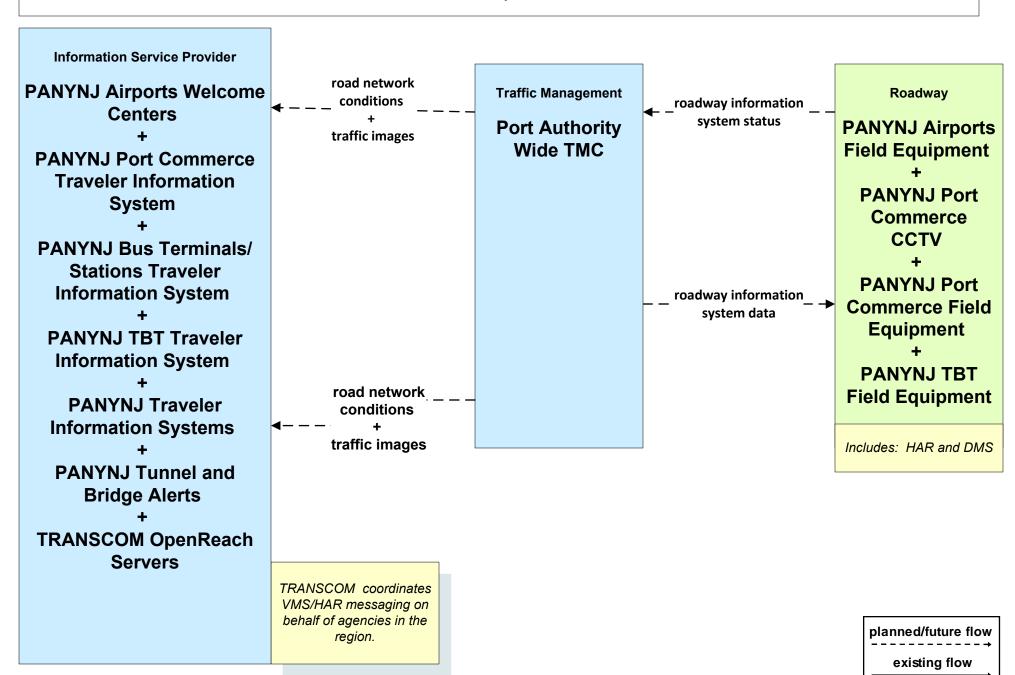
ATMS06 - Traffic Information Dissemination PANYNJ Bus Terminals/Stations



existing flow

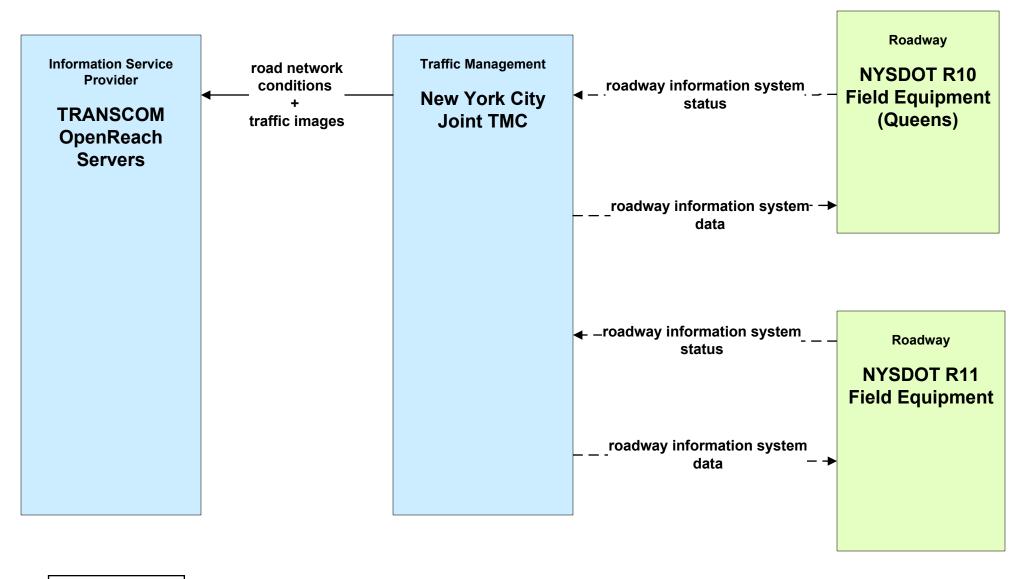
user defined flow

ATMS06 - Traffic Information Dissemination PANYNJ Central Operations Center



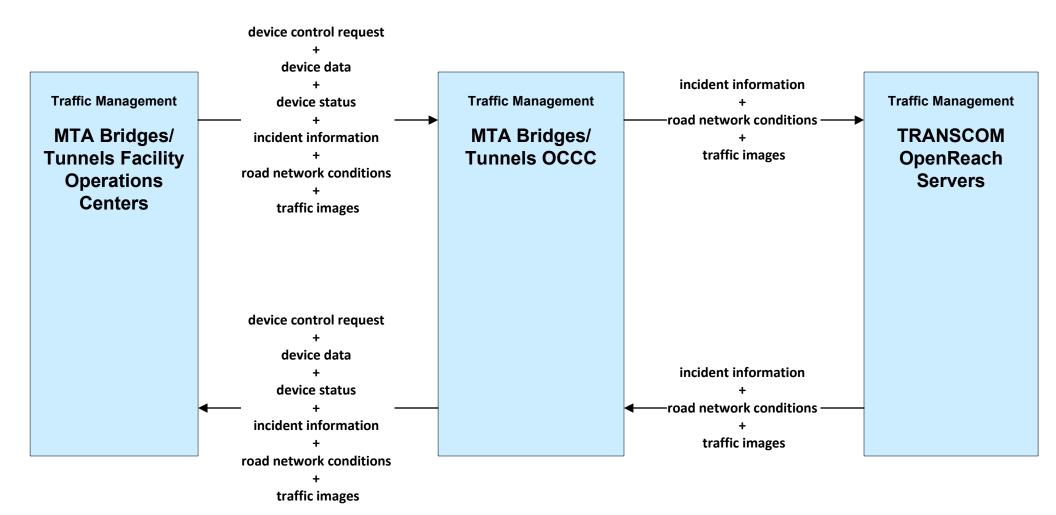
user defined flow

ATMS06 - Traffic Information Dissemination NYSDOT



planned/future flow
----existing flow
user defined flow

ATMS07 - Regional Traffic Management MTA Bridges and Tunnels

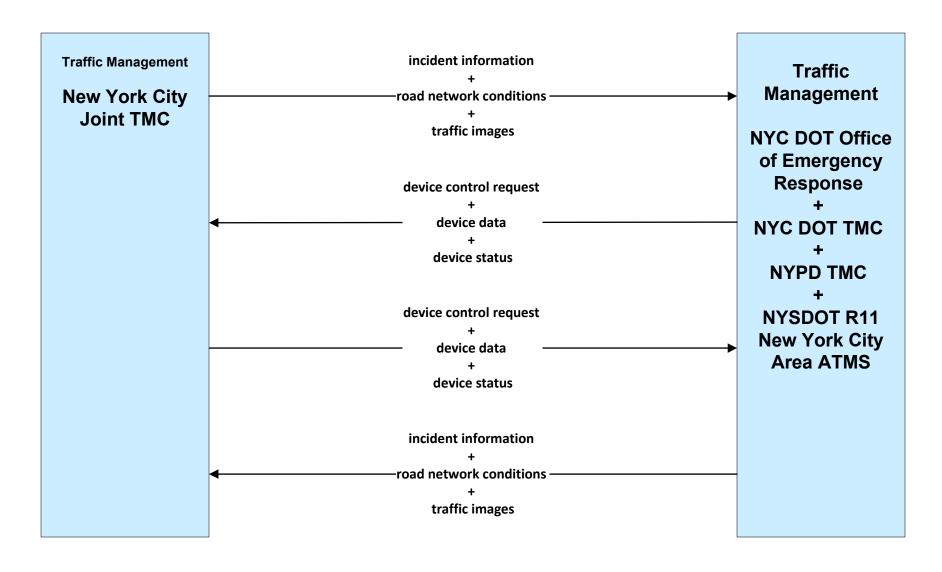


planned/future flow

existing flow

user defined flow

ATMS07 - Regional Traffic Management New York City Joint TMC (1 of 2)

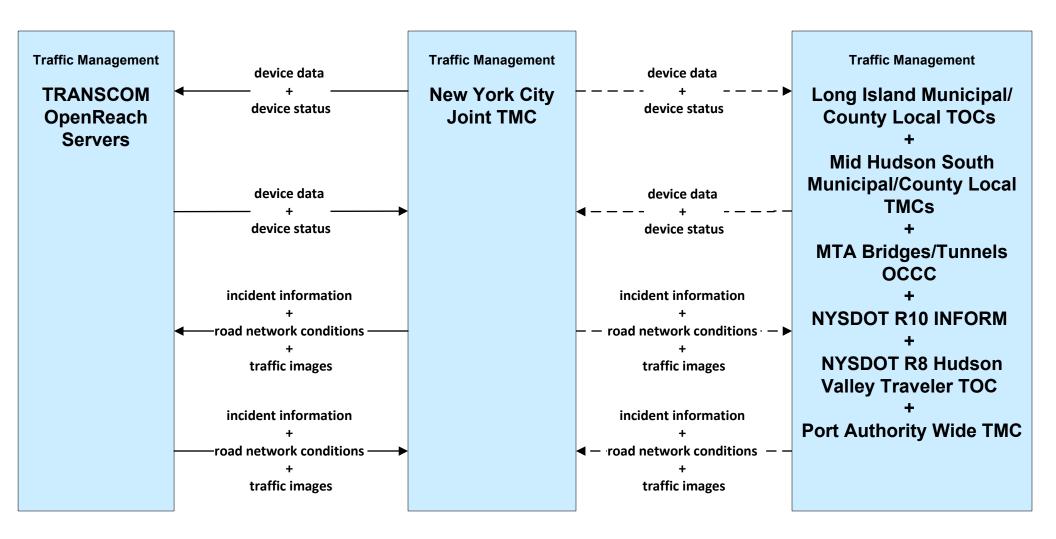


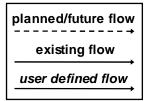
planned/future flow

existing flow

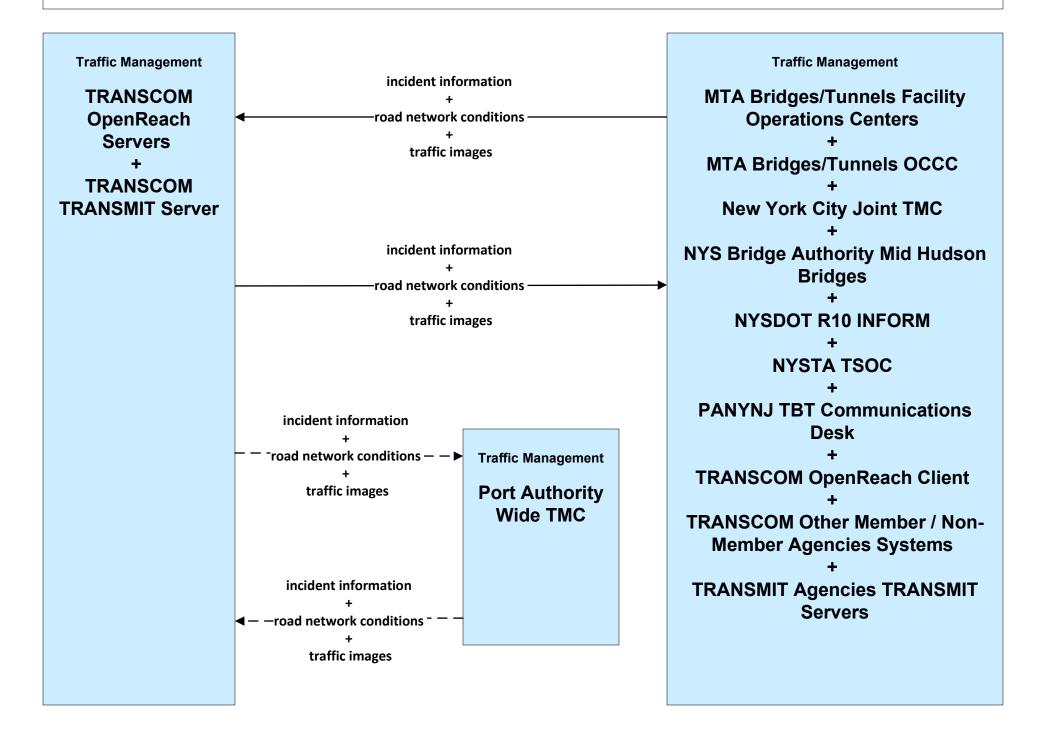
user defined flow

ATMS07 - Regional Traffic Management New York City Joint TMC (2 of 2)

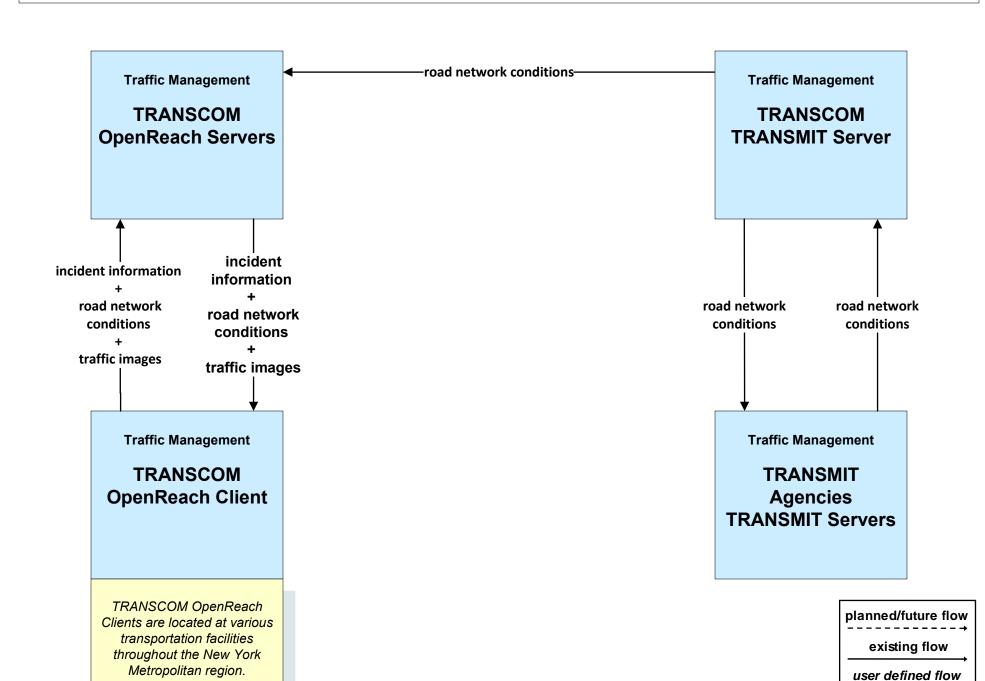




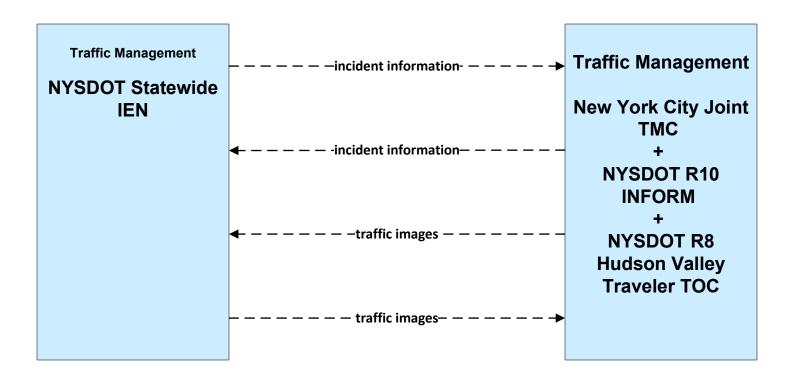
ATMS07 - Regional Traffic Management TRANSCOM Operations Information Center



ATMS07 - Regional Traffic Management TRANSCOM



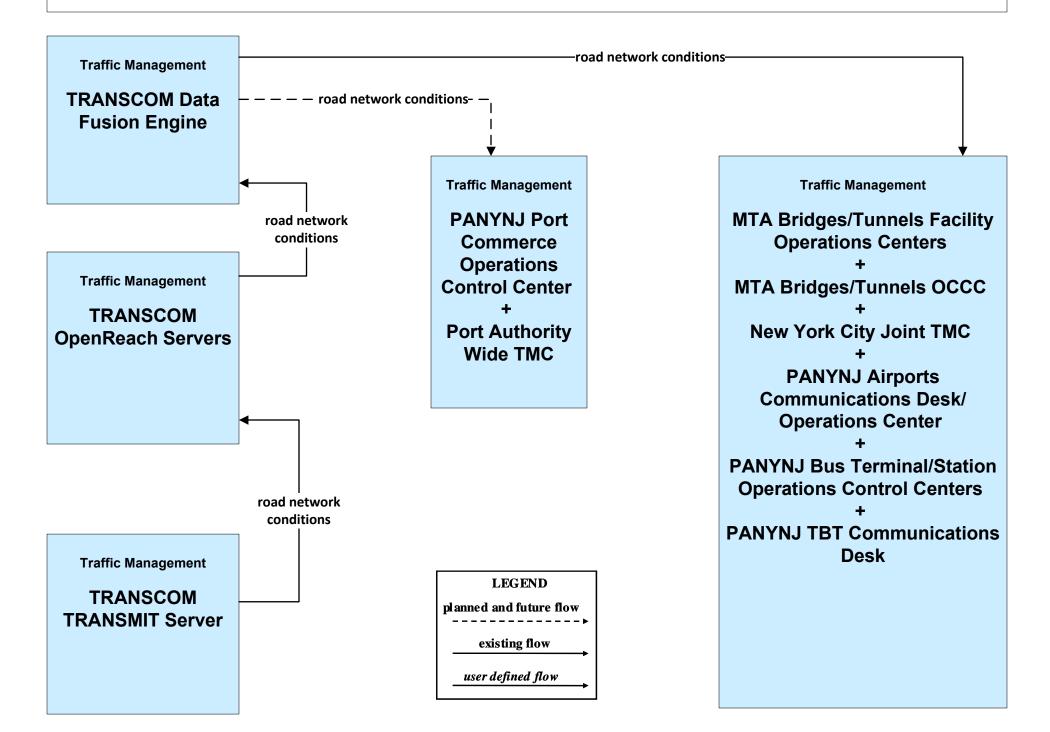
ATMS07 - Regional Traffic Management NYSDOT Statewide IEN



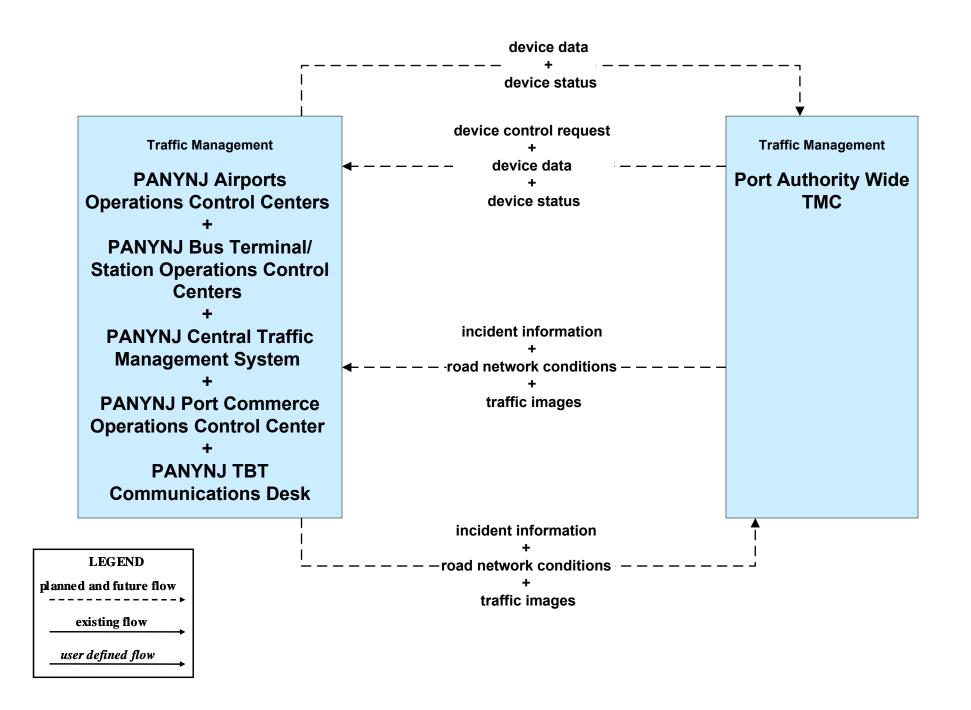
existing flow

user defined flow

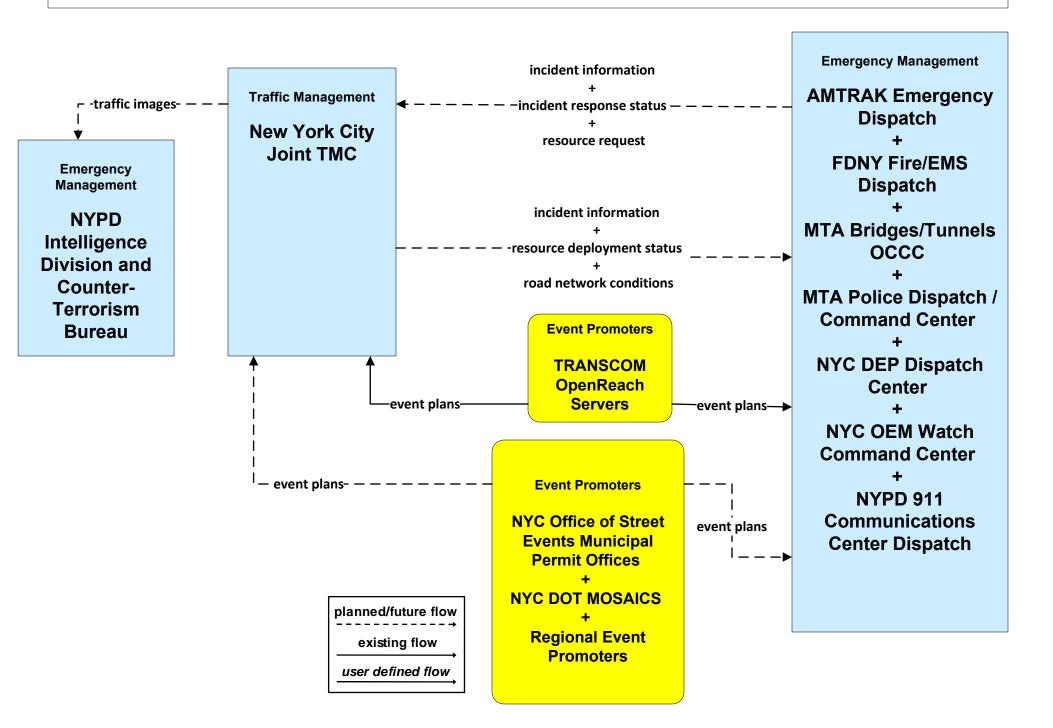
ATMS07 - Regional Traffic Control TRANSCOM Data Fusion Engine



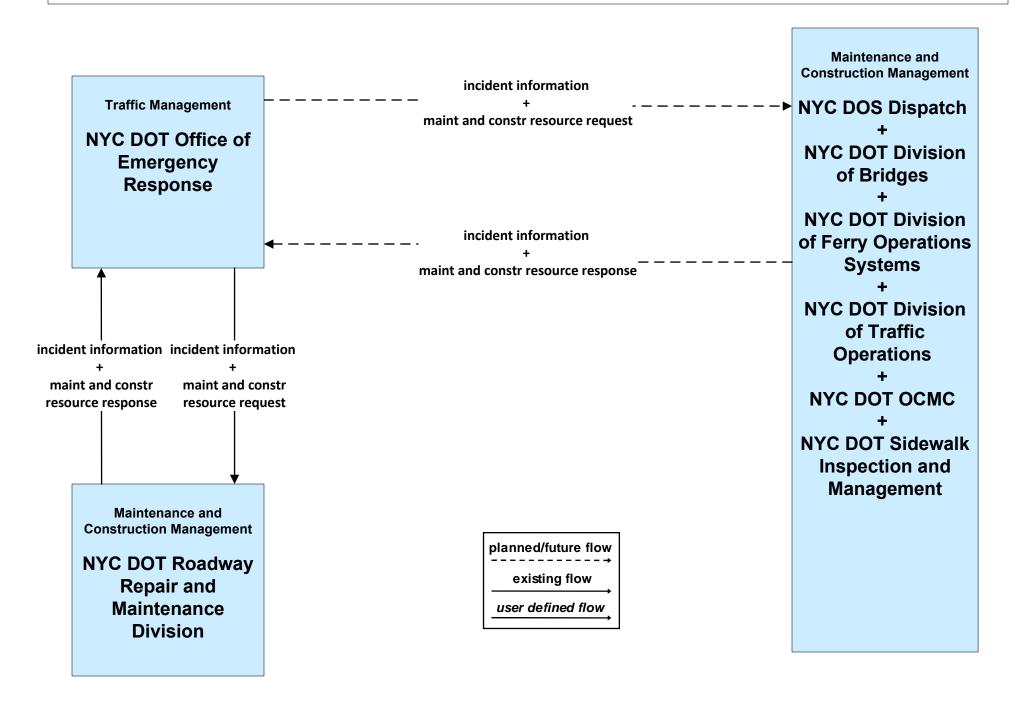
ATMS07 - Regional Traffic Control PANYNJ



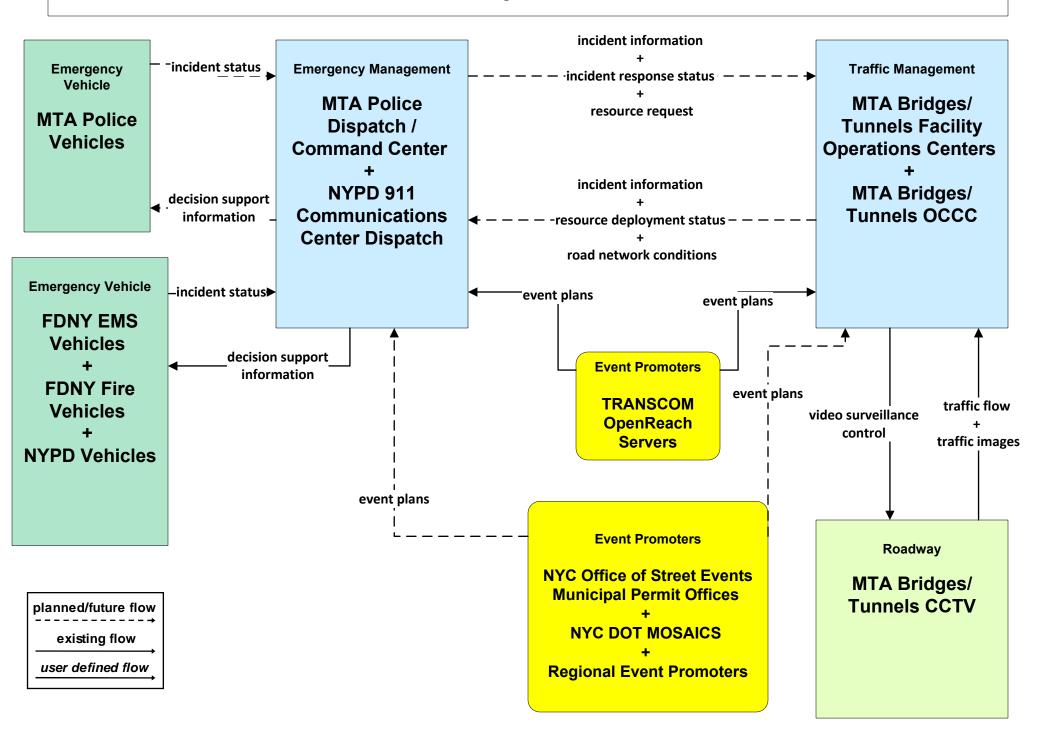
ATMS08 – Traffic Incident Management System New York City Joint TMC (1 of 2)



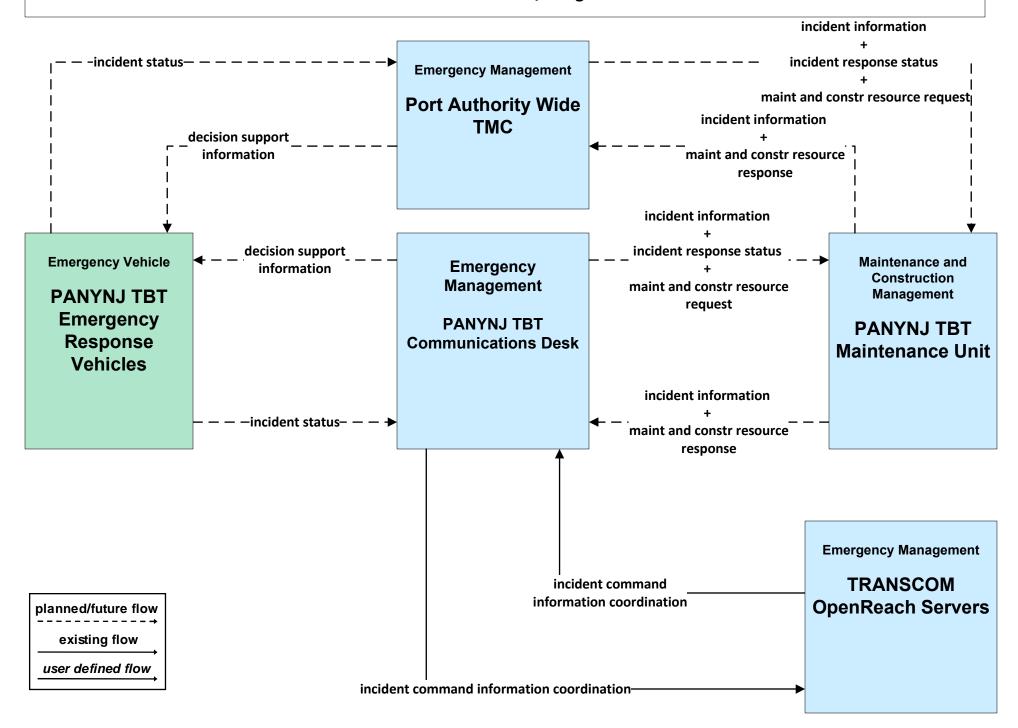
ATMS08 – Traffic Incident Management System New York City Joint TMC (2 of 2)



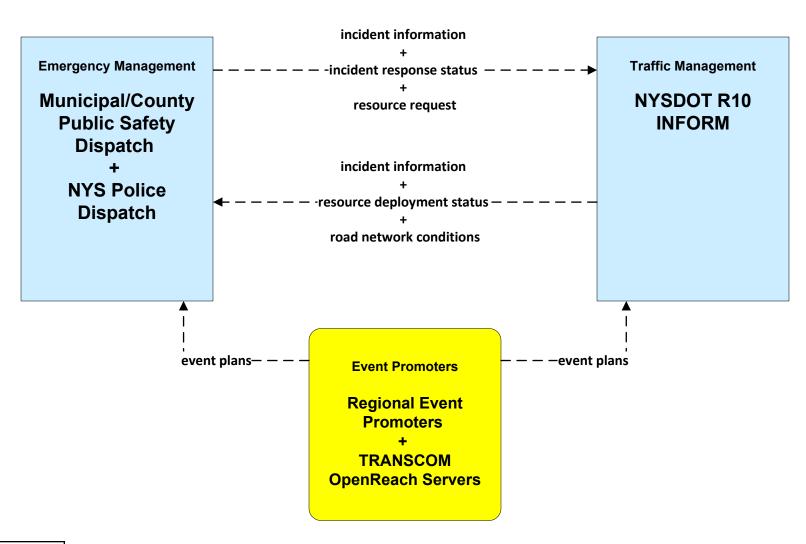
ATMS08 – Traffic Incident Management System MTA Bridges and Tunnels



ATMS08 – Traffic Incident Management System PANYNJ Tunnels/Bridges



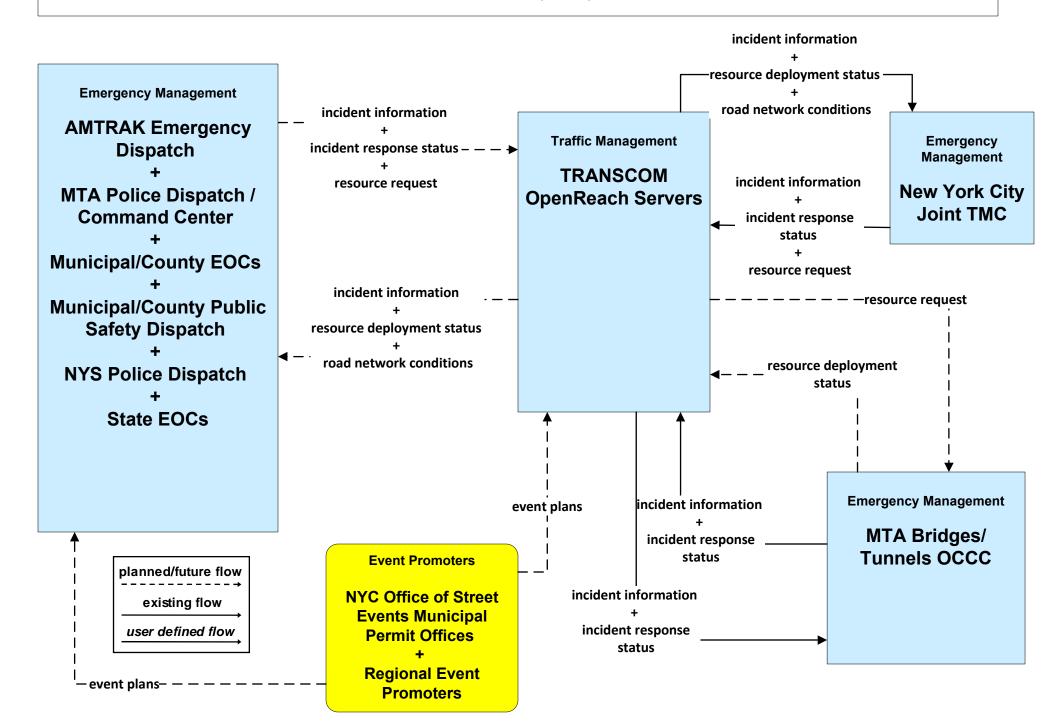
ATMS08 – Traffic Incident Management System NYSDOT R10 INFORM



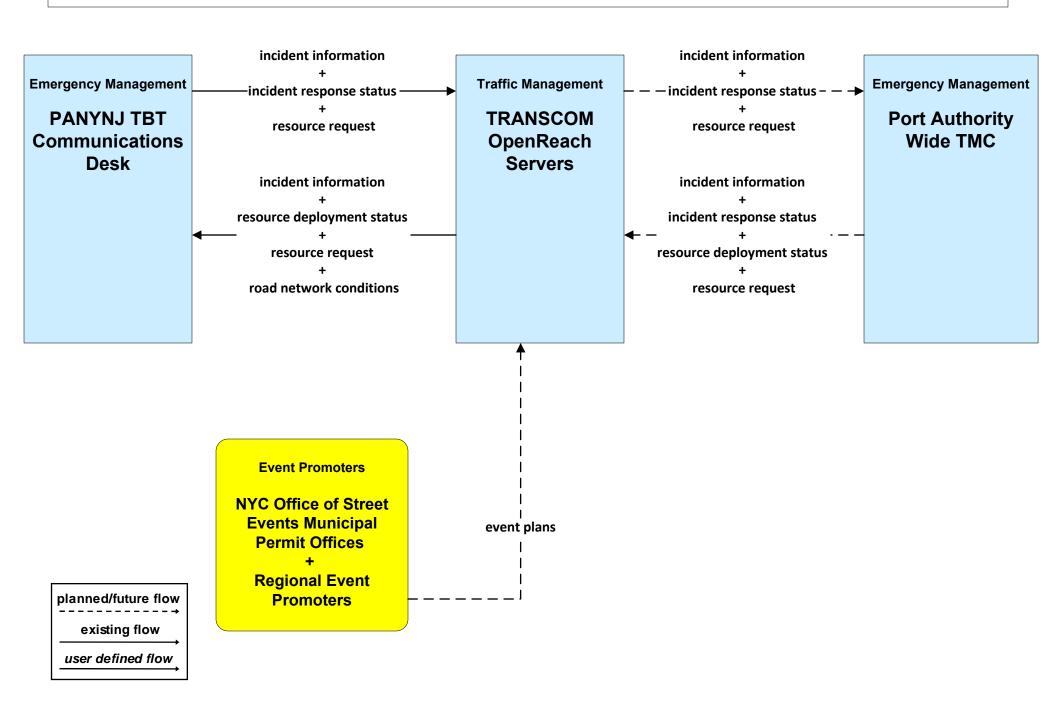
planned/future flow
----existing flow

user defined flow

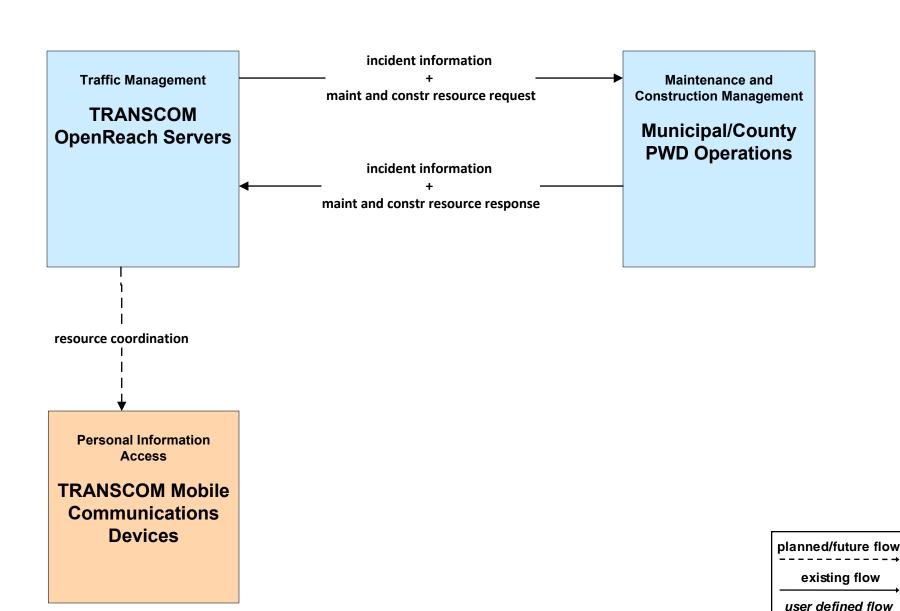
ATMS08 – Traffic Incident Management System TRANSCOM (1 of 3)



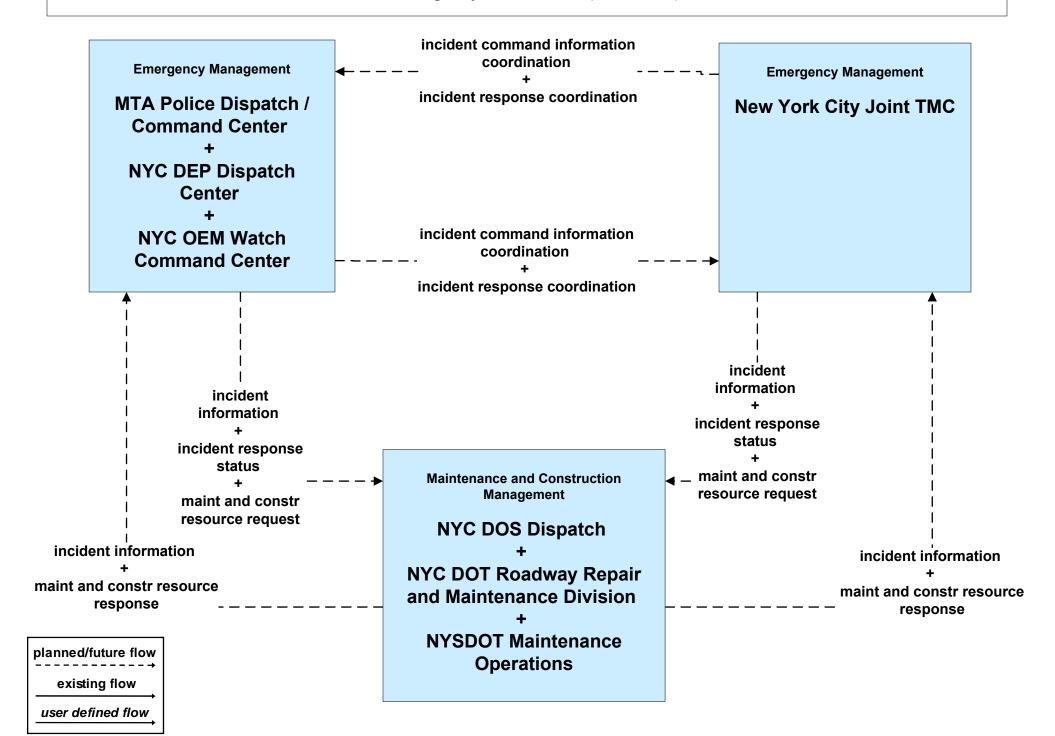
ATMS08 – Traffic Incident Management System TRANSCOM (2 of 3)



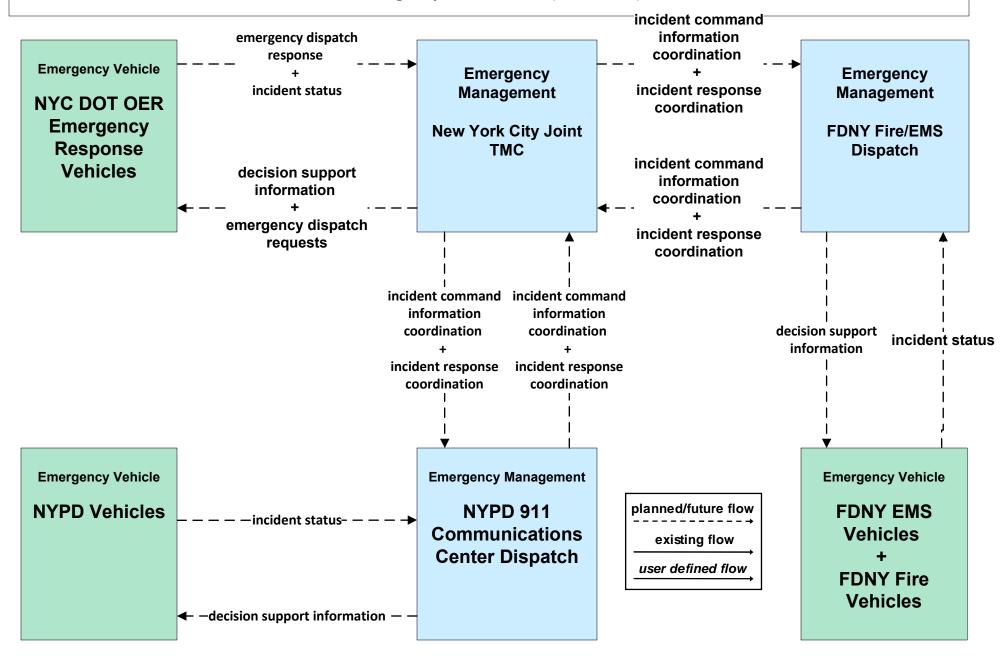
ATMS08 – Traffic Incident Management System TRANSCOM (3 of 3)



ATMS08 – Traffic Incident Management System Multi-Agency Coordination (Part 1 of 2)

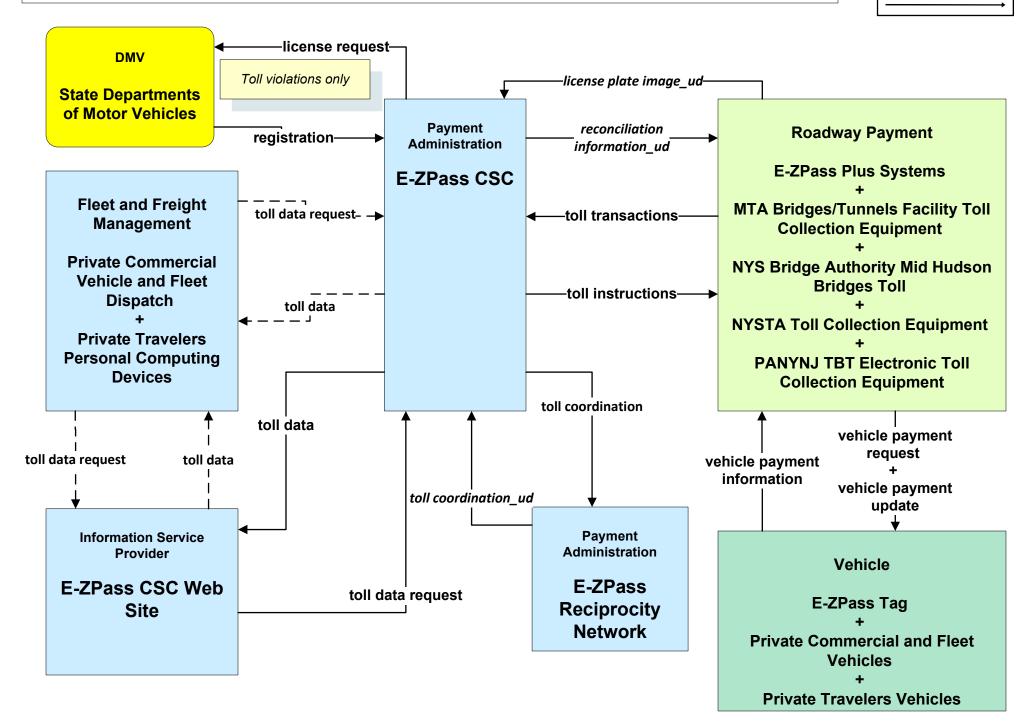


ATMS08 – Traffic Incident Management System Multi-Agency Coordination (Part 2 of 2)

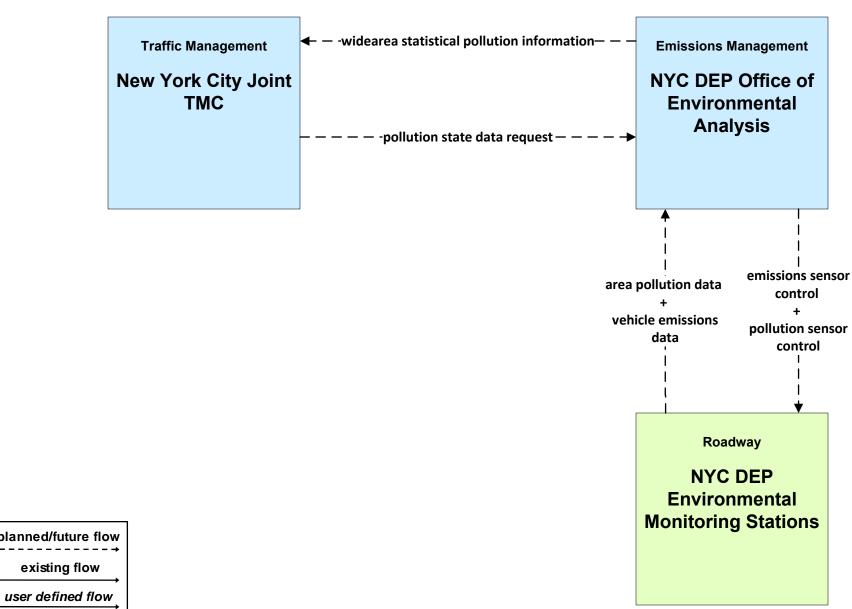




planned/future flow
----existing flow
user defined flow

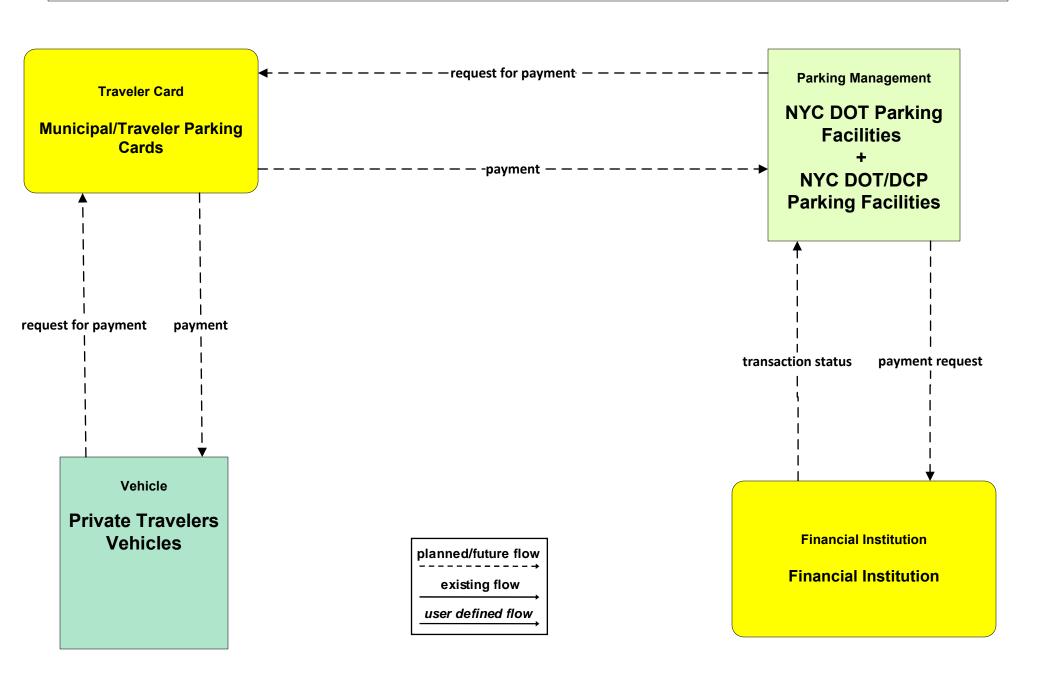


ATMS11 - Emissions Monitoring and Management NYCDEP

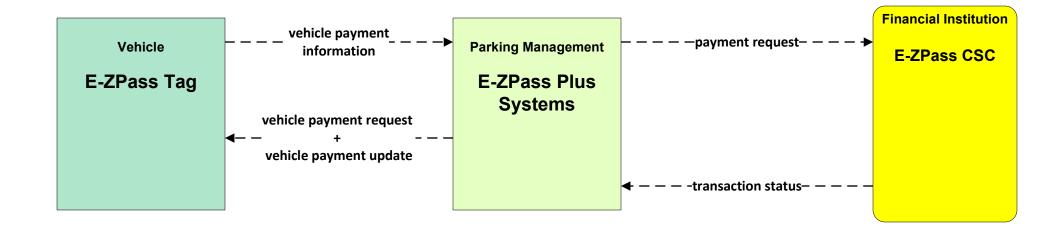


planned/future flow existing flow

ATMS16 - Parking Facility Management NYC DOT



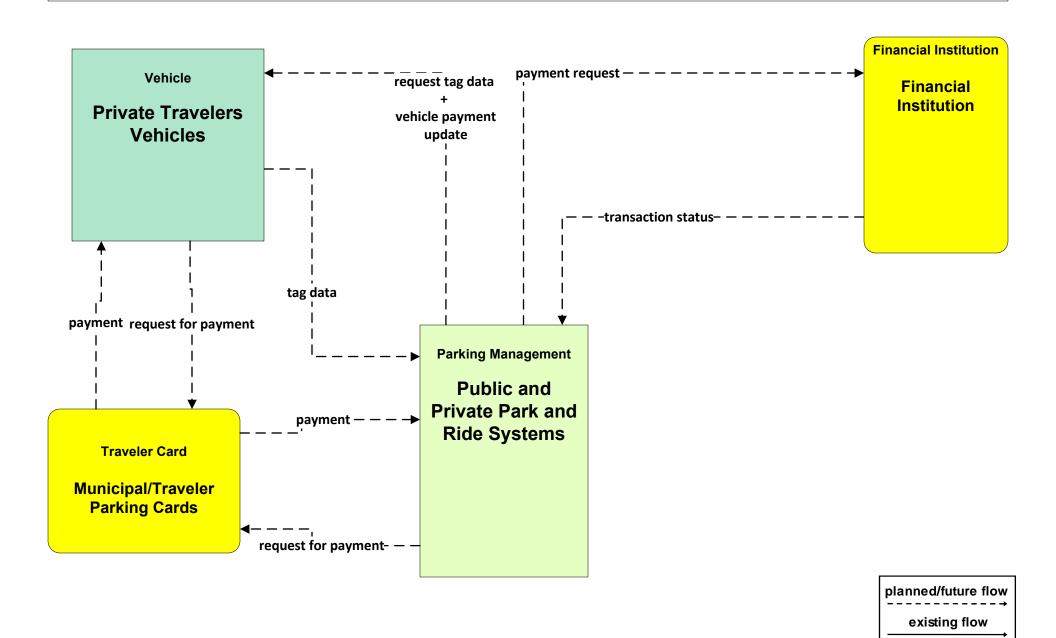
ATMS16 - Parking Facility Management E-ZPass Plus Parking Systems



existing flow

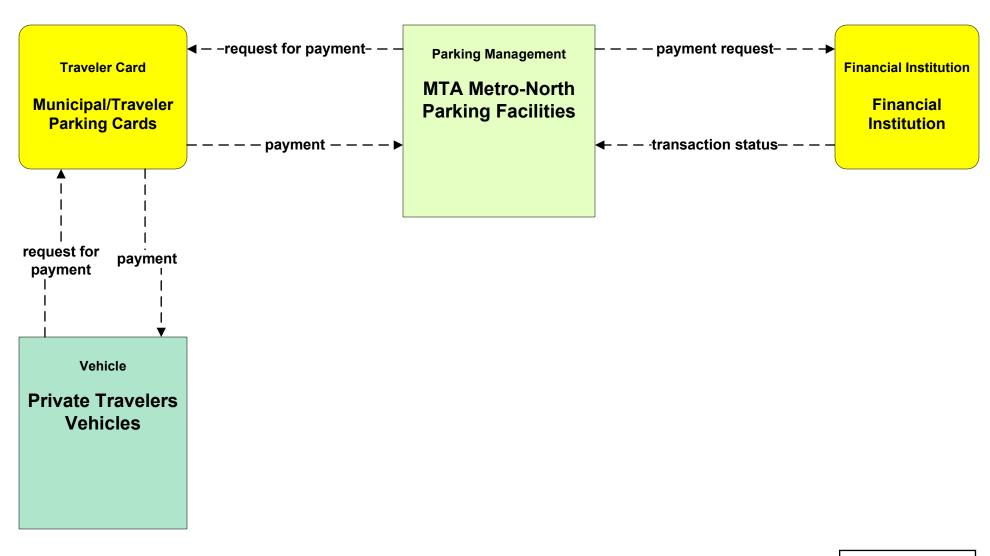
user defined flow

ATMS16 - Parking Facility Management Public and Private Park and Ride



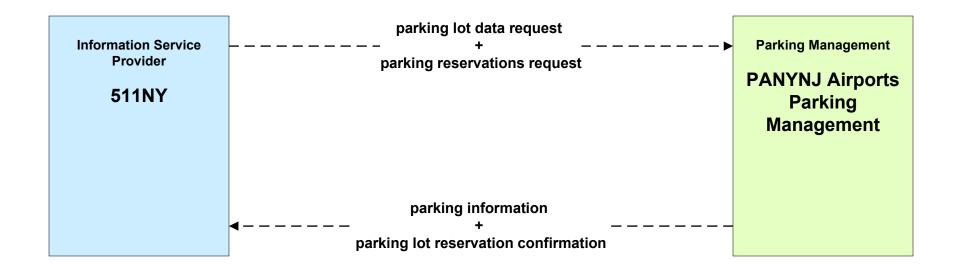
user defined flow

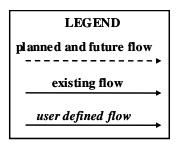
ATMS16 - Parking Facility Management MTA Metro North Parking Facilities



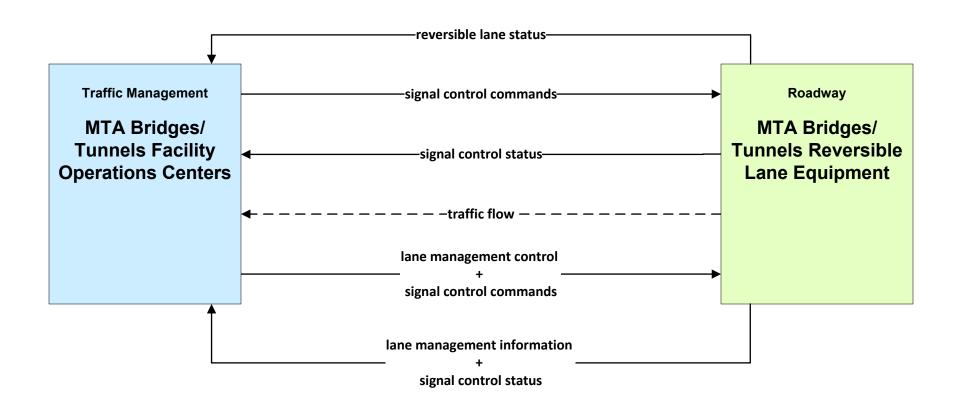
planned/future flow
----existing flow
user defined flow

ATMS17 - Regional Parking Management PANYNJ Airports





ATMS18 - Reversible Lane Management MTA Bridges and Tunnels

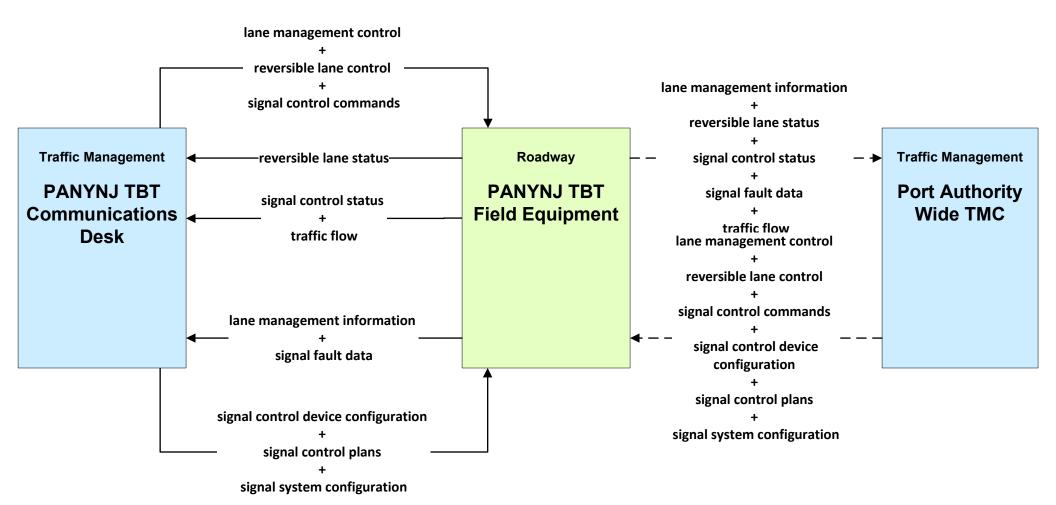


planned/future flow

existing flow

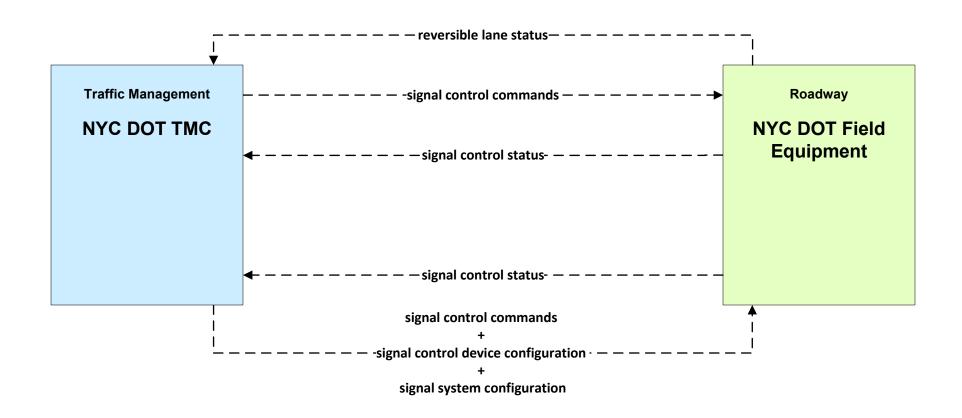
user defined flow

ATMS18 - Reversible Lane Management PANYNJ Tunnels/Bridges



planned/future flow
existing flow
user defined flow

ATMS18 - Reversible Lane Management NYC DOT

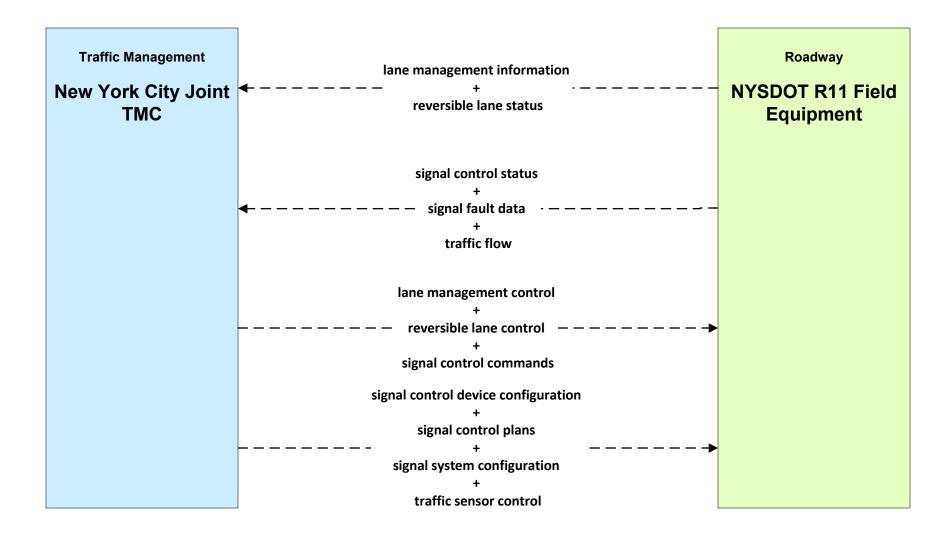


planned/future flow -----→ existing flow

user defined flow

Control of NYCDOT Field Equipment is only from NYCDOT Systems located at the New York City Joint TMC NYCDOT policy is that barriers are controlled by personnel in the field in conjunction with ITS Equipment

ATMS18 - Reversible Lane Management NYSDOT Contraflow Lanes

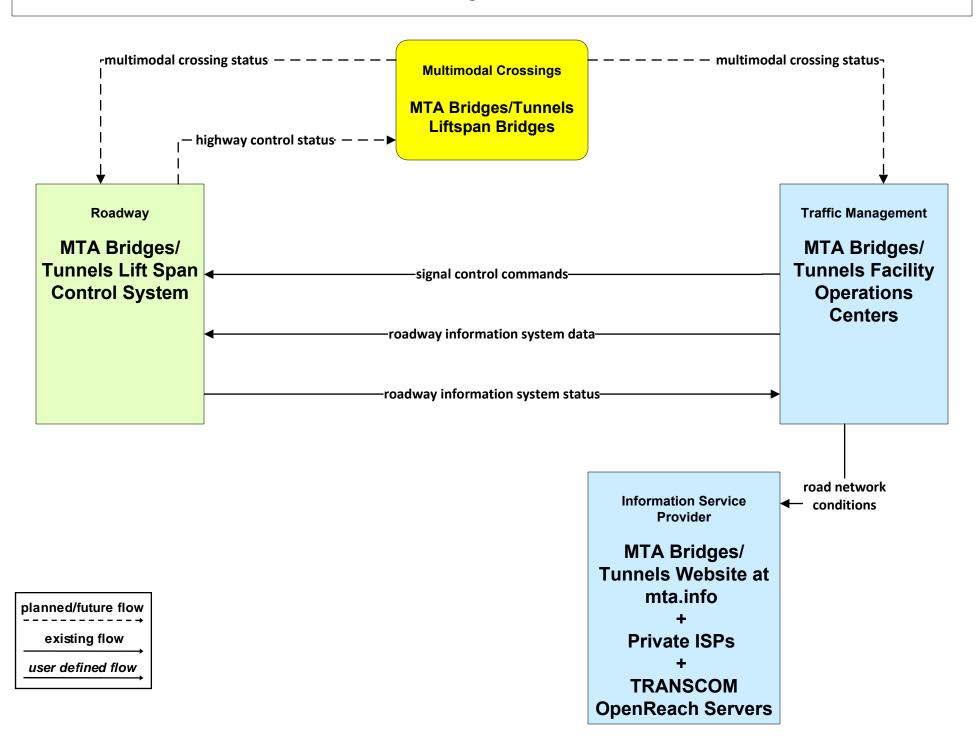


planned/future flow

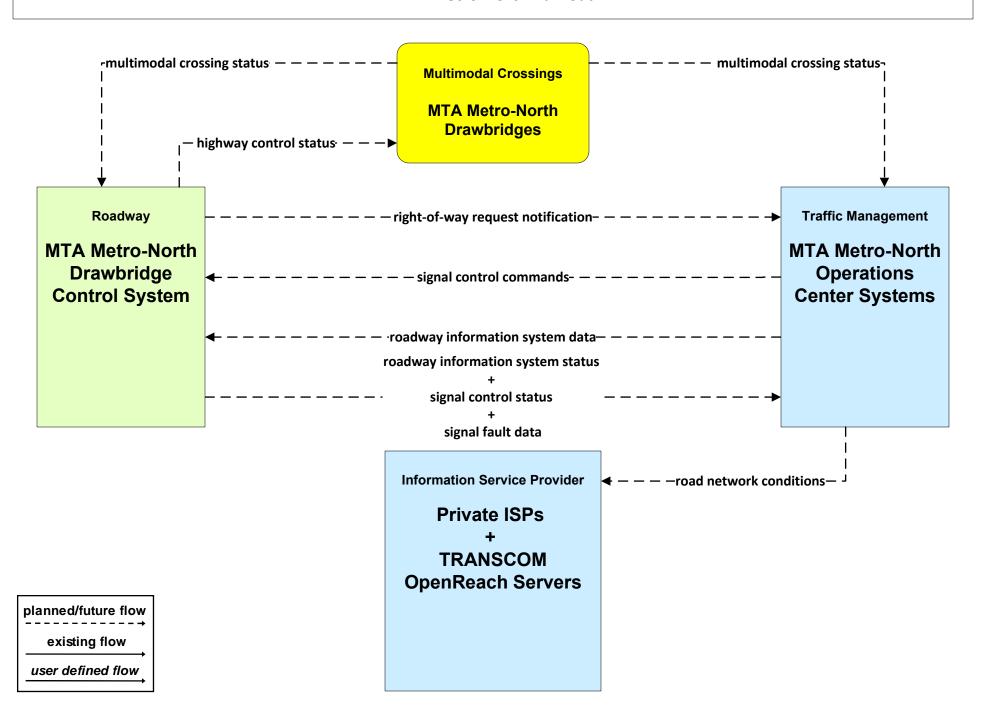
existing flow

user defined flow

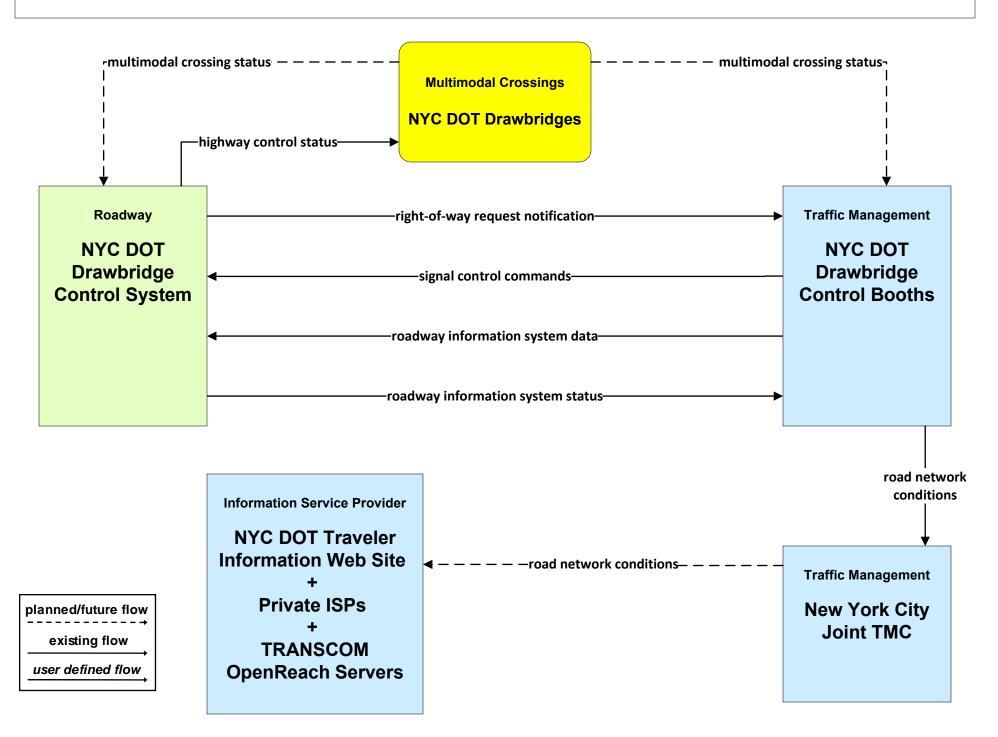
ATMS20 - Drawbridge Management MTA Bridges and Tunnels



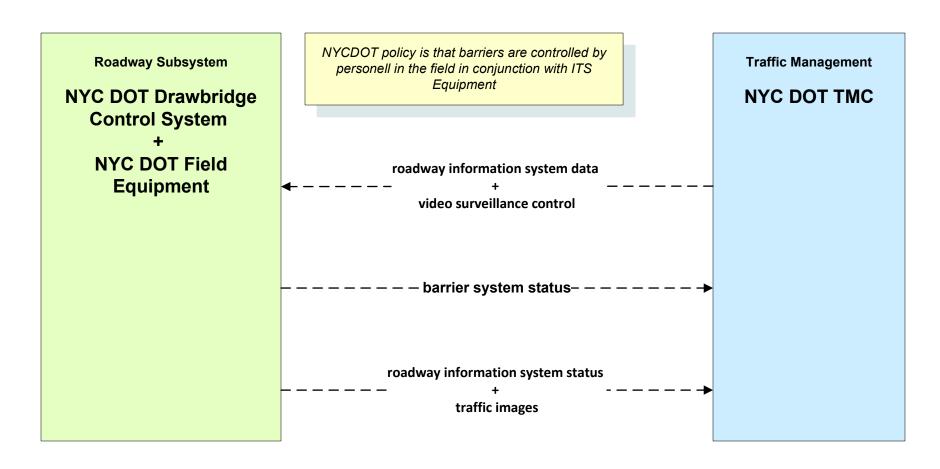
ATMS20 - Drawbridge Management MTA Metro North Railroad



ATMS20 - Drawbridge Management NYC DOT



ATMS21 - Roadway Closure Management NYC Roadway Closure Systems



LEGEND

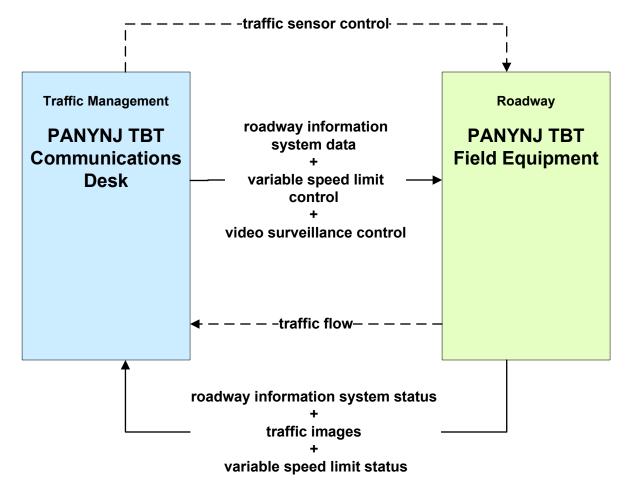
planned and future flow

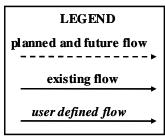
existing flow

user defined flow

See ATIS02-02 for connections between JTMC and Traveler Information

ATMS22 - Variable Speed Limits PANYNJ TB/T



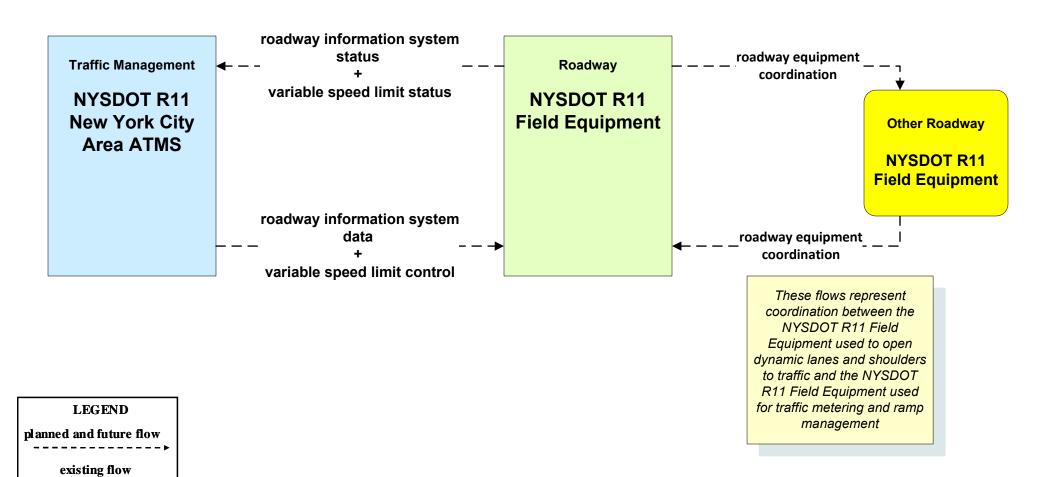


ATMS22 – Variable Speed Limits NYSDOT R11 Advanced Traffic and Demand Management (ATDM)

Note: This service is still in the conceptual phase.

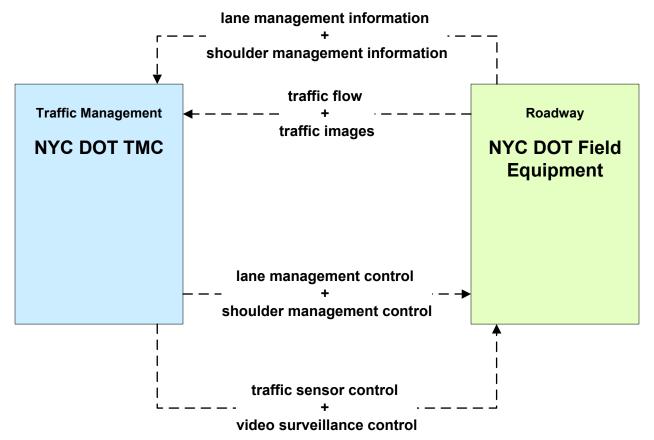
user defined flow

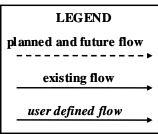
Note that this package represents Speed Warnings rather than enforceable speed limits.



ATMS23 – Dynamic Lane Management and Shoulder Use NYC DOT

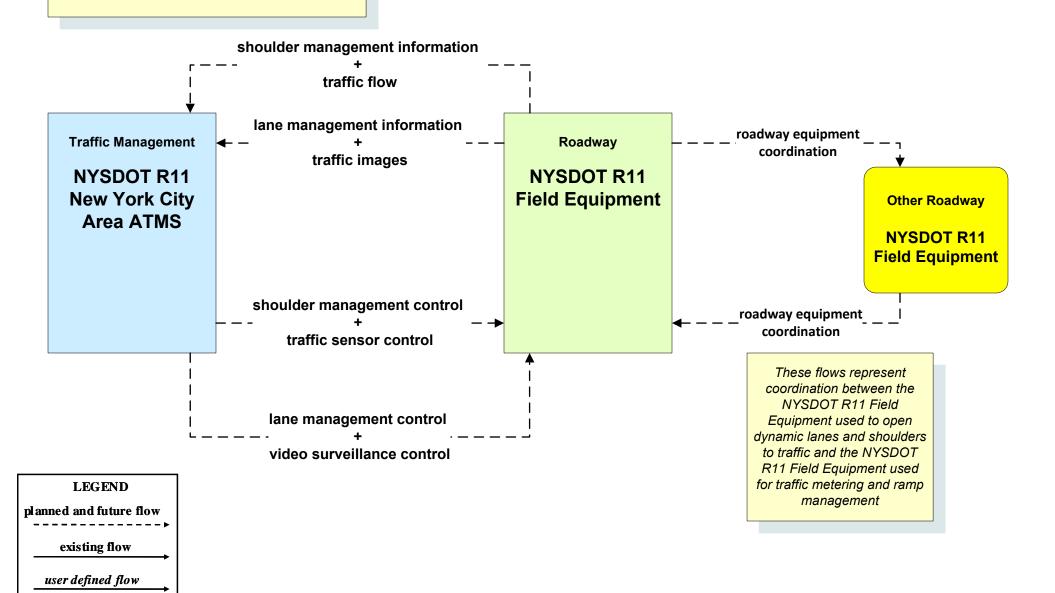
Note: This service is still in the conceptual phase.



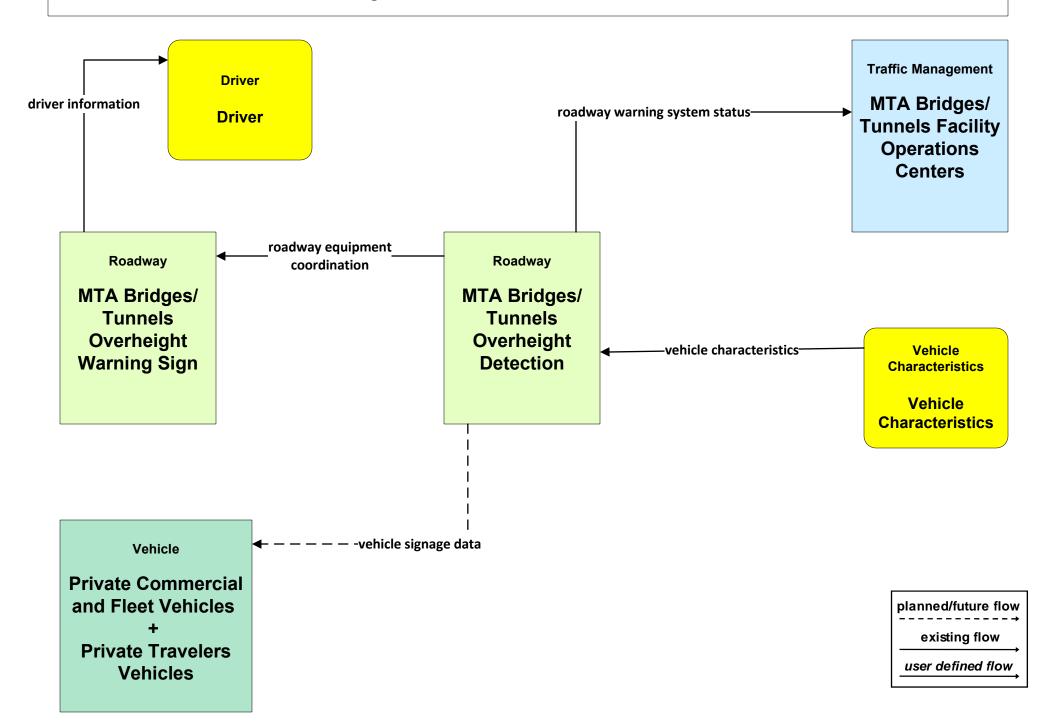


ATMS23 – Dynamic Lane Management and Shoulder Use NYSDOT R11 Advanced Traffic and Demand Management (ATDM)

Note: This service is still in the conceptual phase.



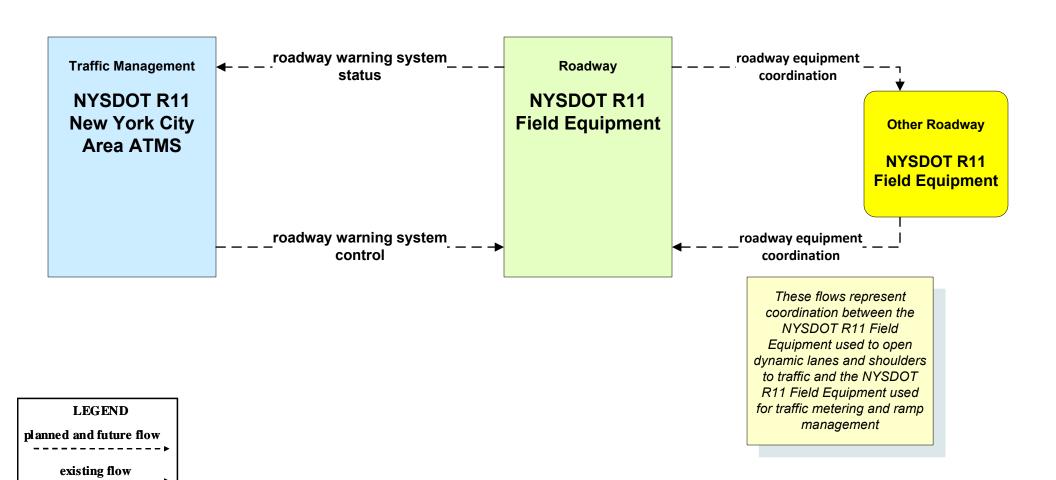
ATMS24 – Dynamic Roadway Warning MTA Bridges and Tunnels Overdimension Vehicle Detection



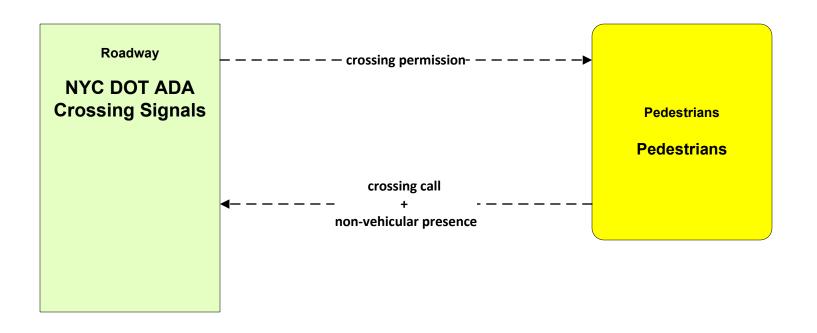
ATMS24 – Dynamic Lane Roadway Warning NYSDOT R11 Advanced Traffic and Demand Management (ATDM)

Note: This service is still in the conceptual phase.

user defined flow



ATMS26 – Mixed Use Warning Systems New York City Crossing Signals



existing flow

user defined flow