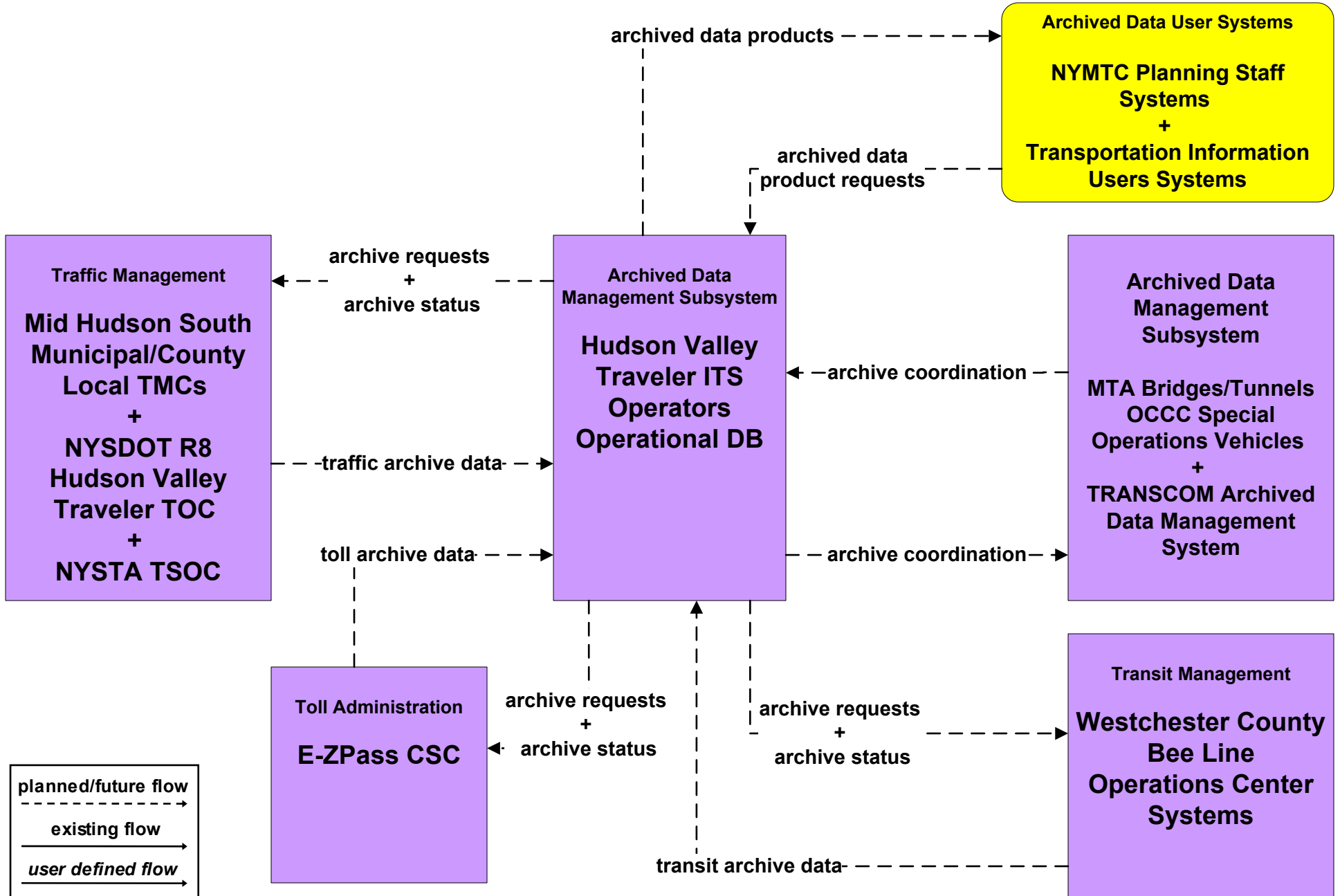
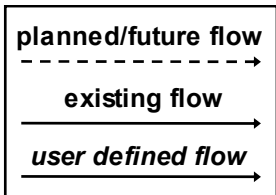
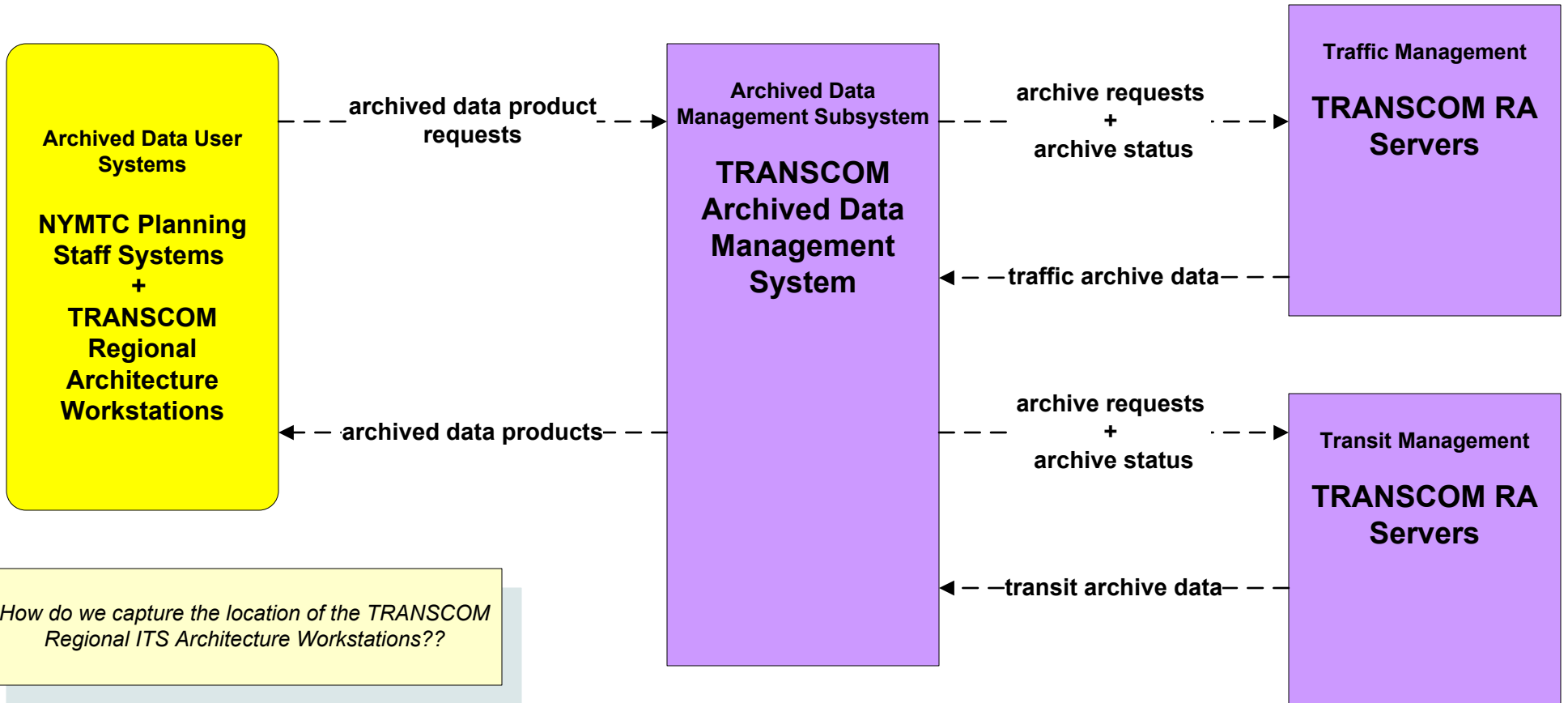


# AD1 - ITS Data Mart Hudson Valley

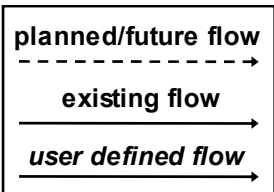
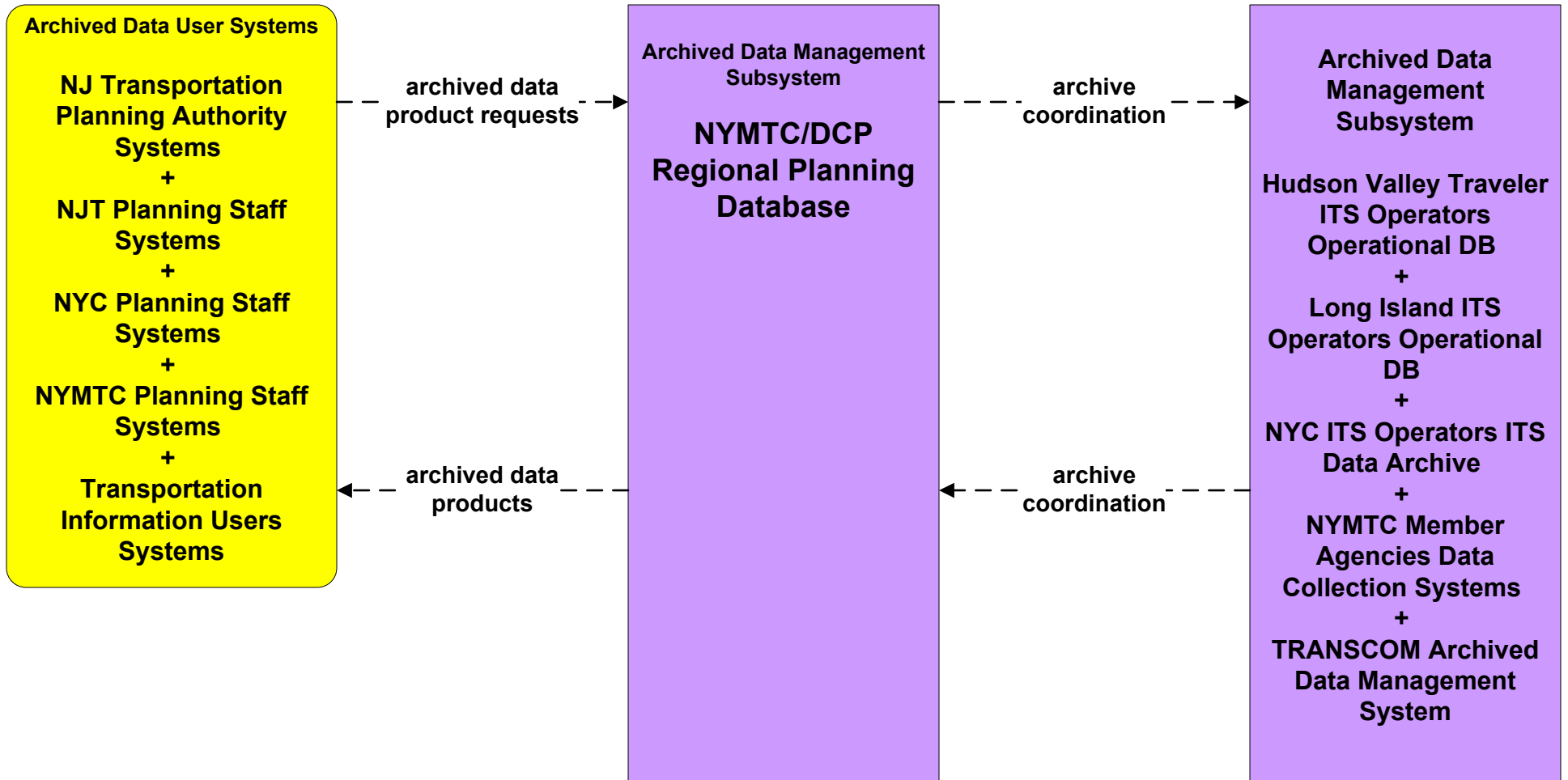


# AD1 - ITS Data Mart TRANSCOM



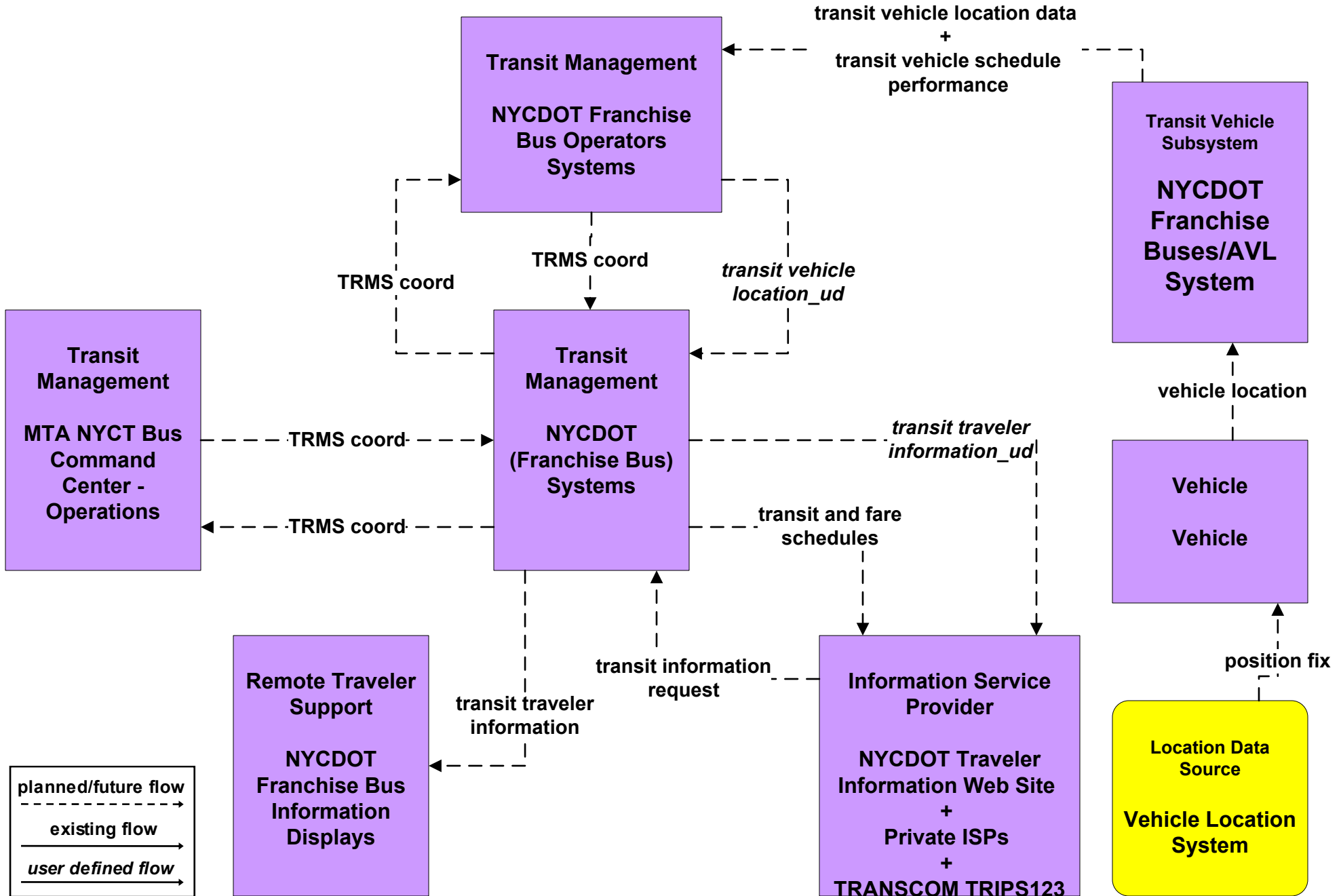
# AD3 - ITS Data Warehouse

## NYMTC/DCP Regional Planning Database



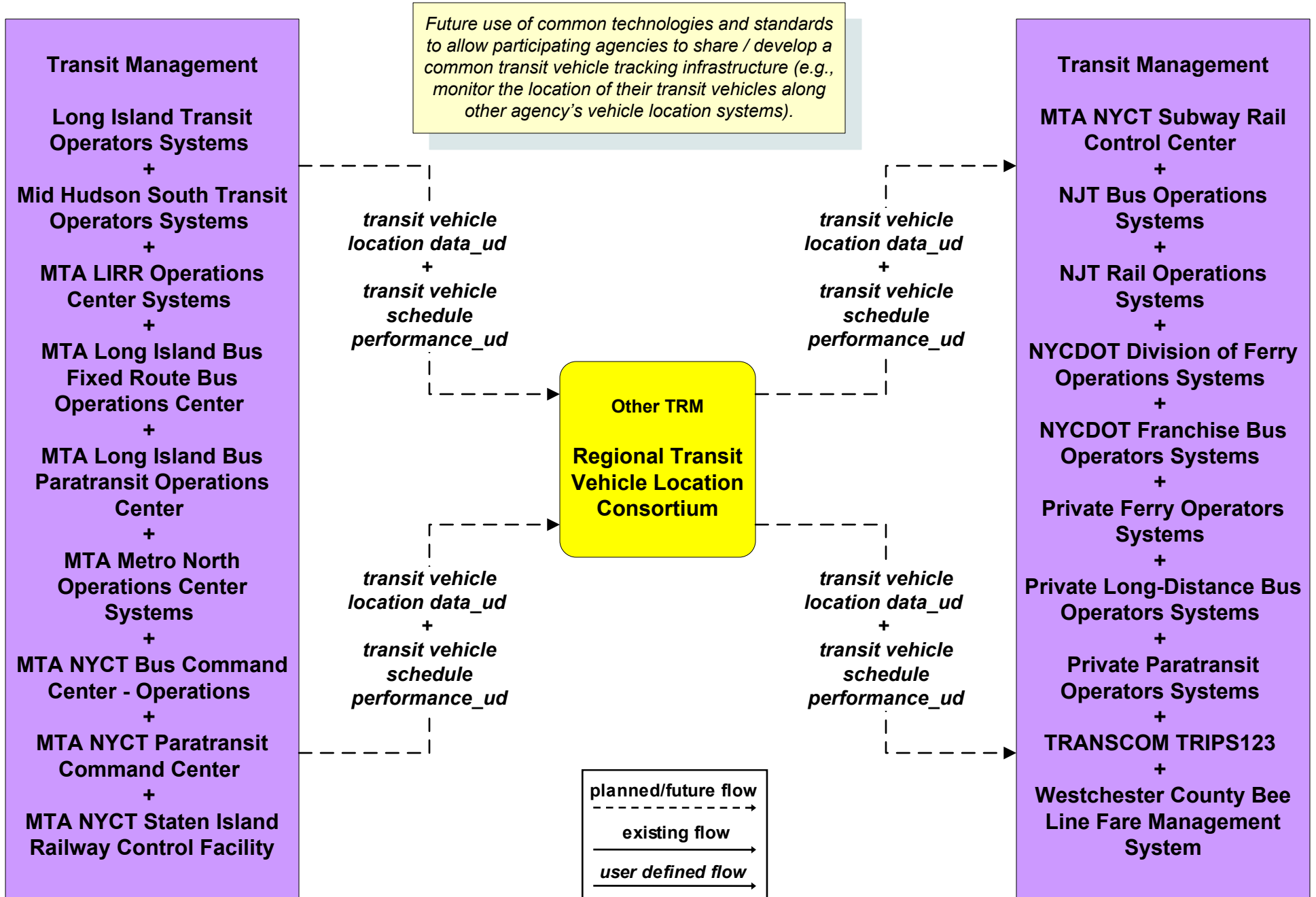
*The ITS Element 'NYMTC Member Agencies Data Collection Systems' represents generic data that is integrated with the common elements of location and time*

# APTS1 - Transit Vehicle Tracking NYCDOT Franchise Buses

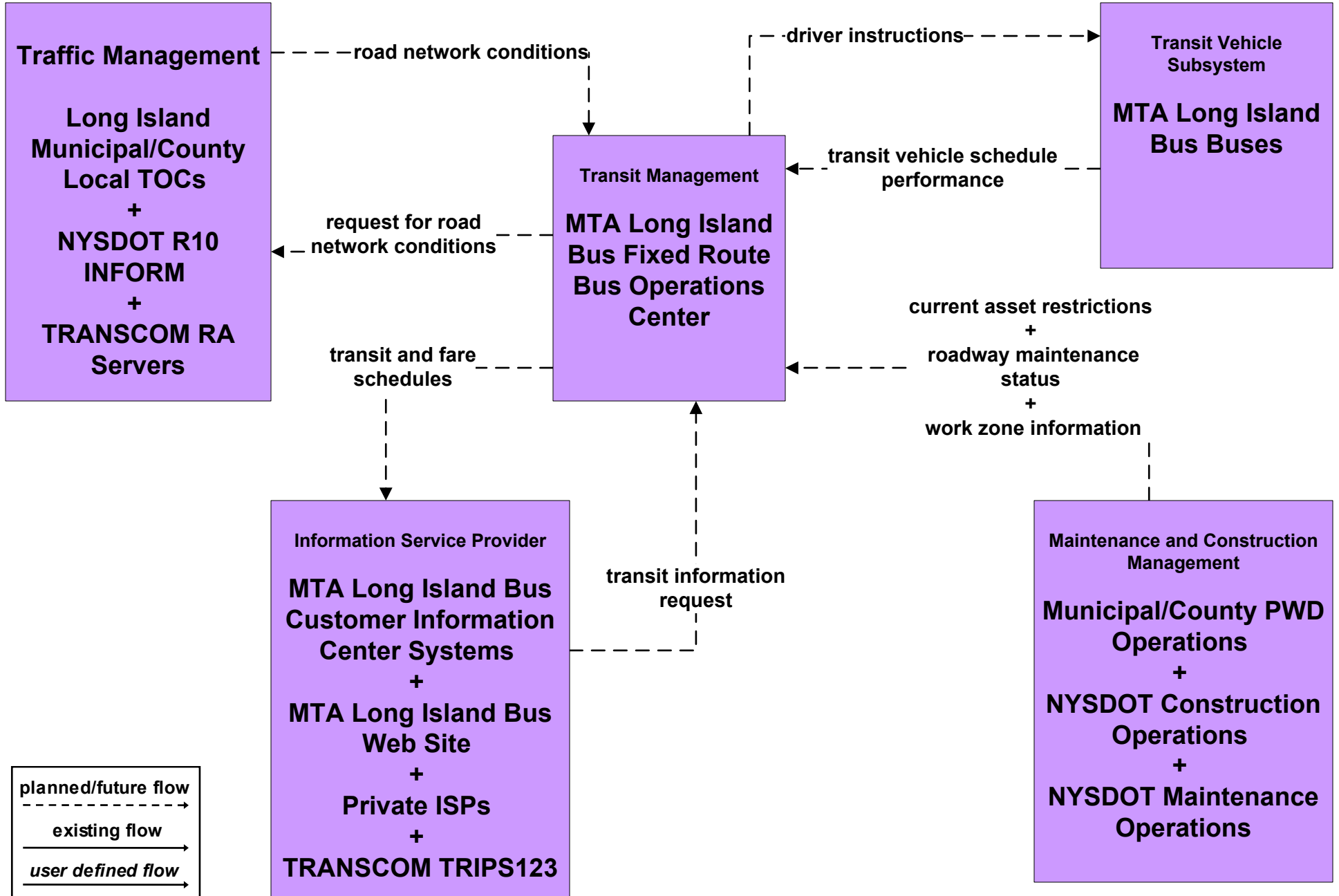


# APTS1 - Transit Vehicle Tracking

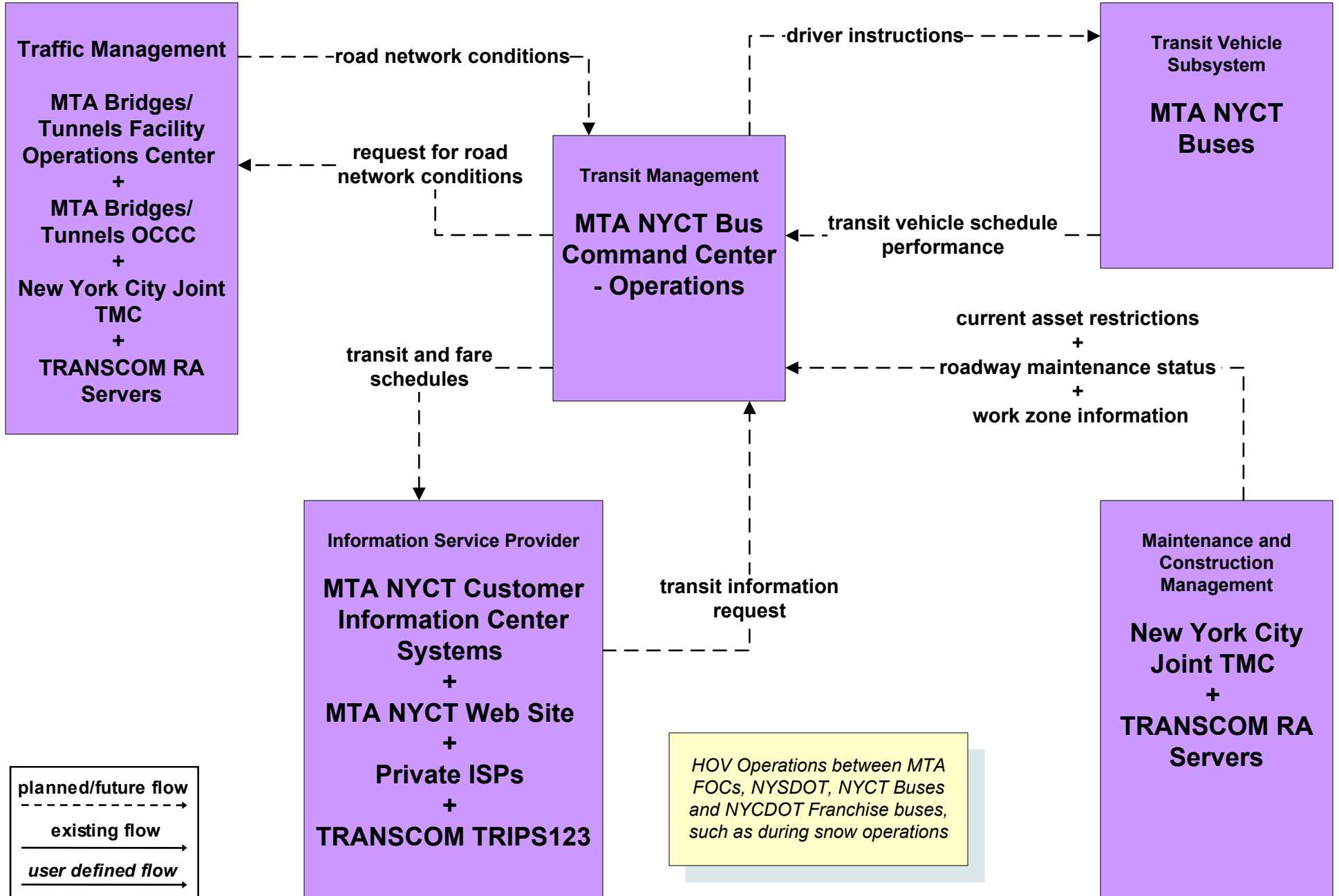
## New York City Metropolitan Area Regional Transit Vehicle Location Consortium



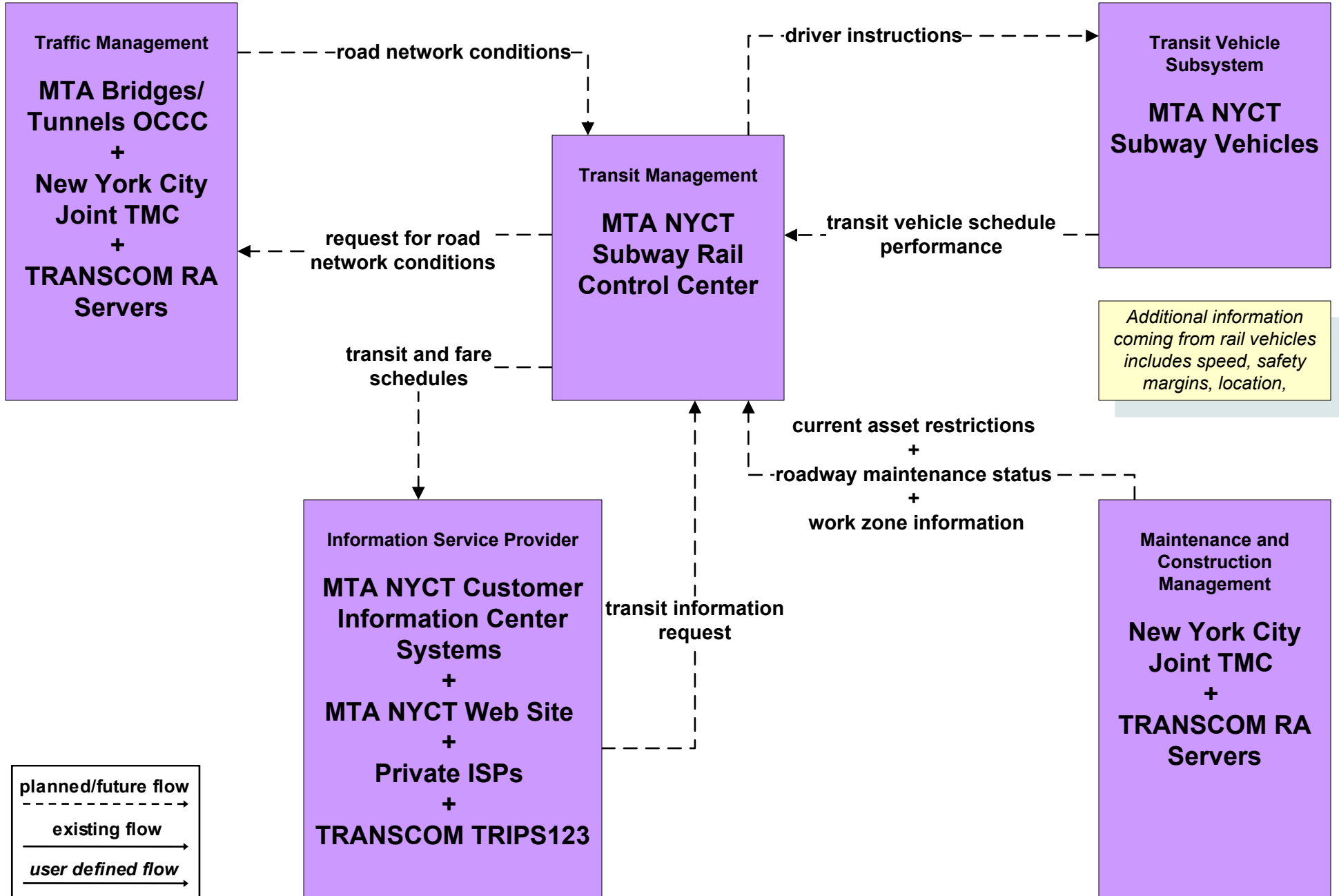
**APTS2 - Transit Fixed-Route Operations  
MTA Long Island Bus**



# APTS2 - Transit Fixed-Route Operations MTA NYC Transit Bus (1 of 2)

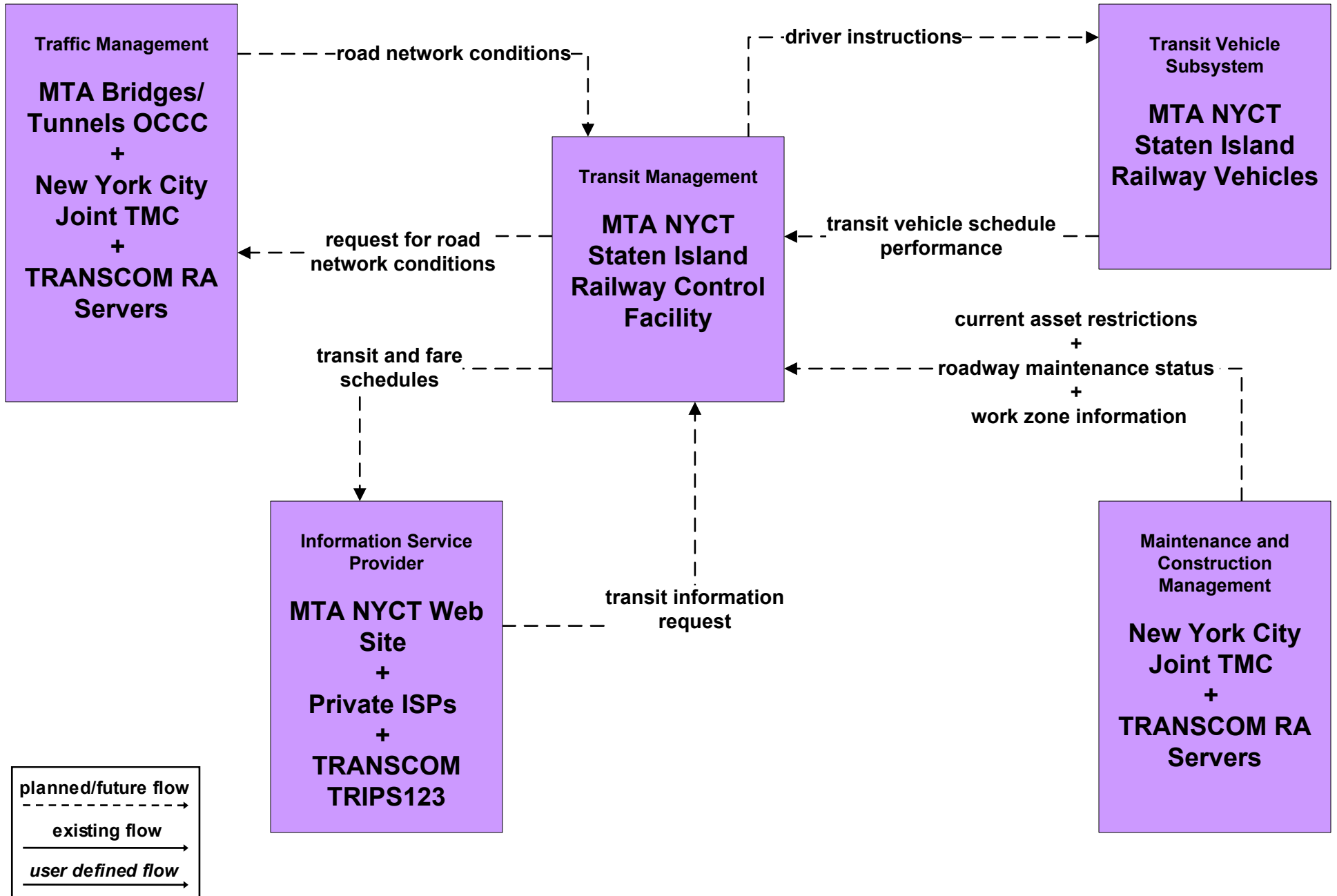


# APTS2 - Transit Fixed-Route Operations MTA NYC Transit Subway (1 of 2)

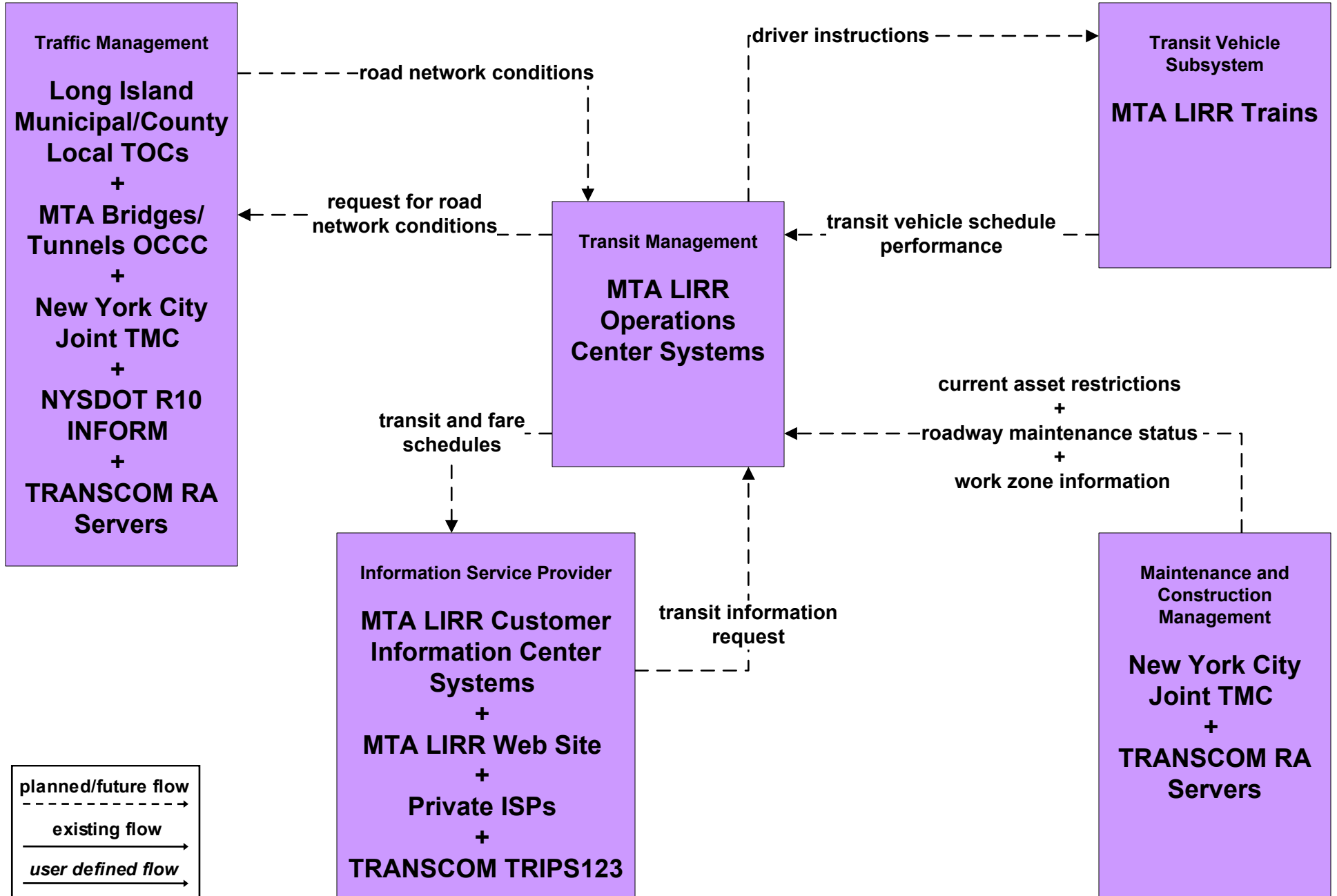




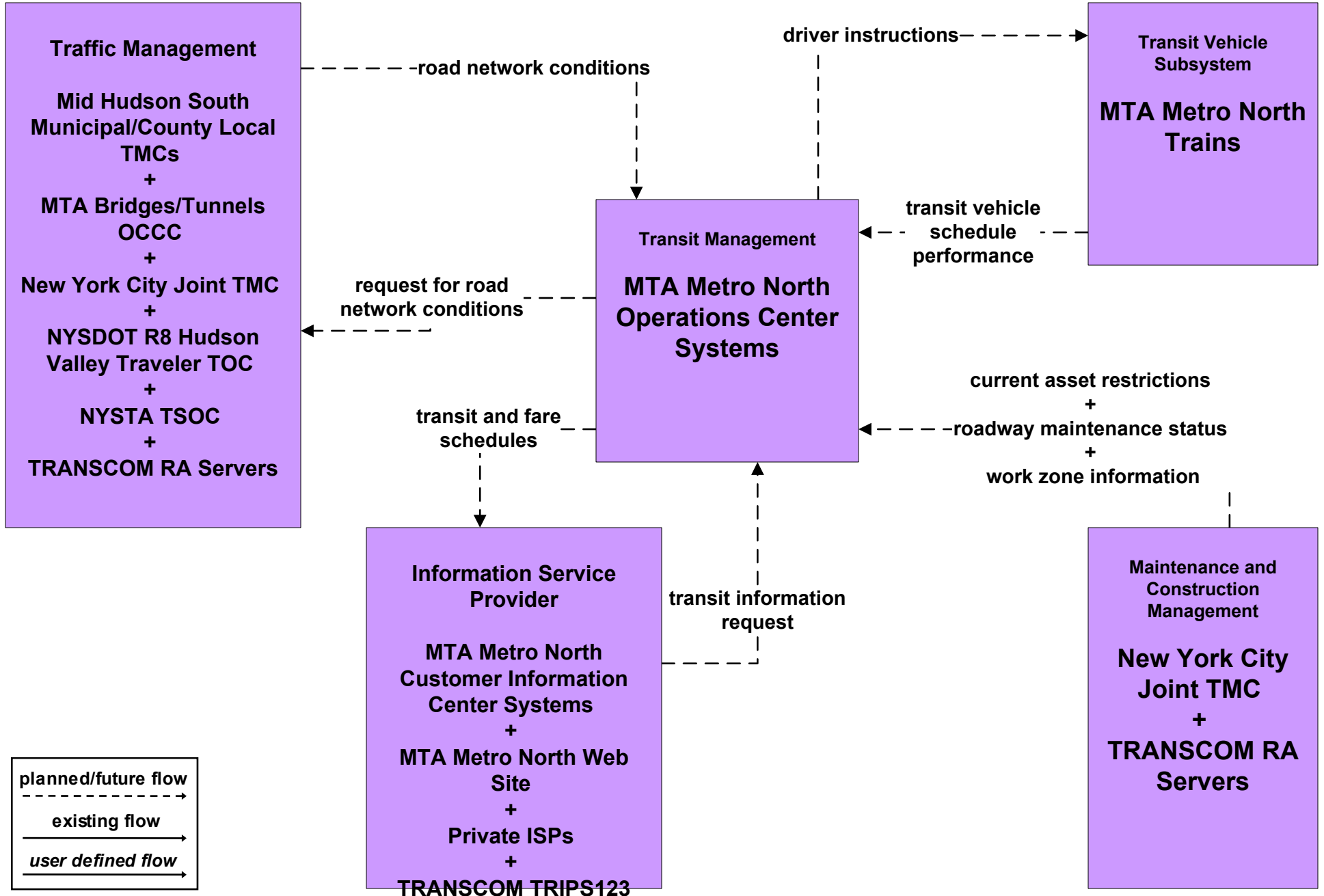
# APTS2 - Transit Fixed-Route Operations MTA NYCT Staten Island Railway



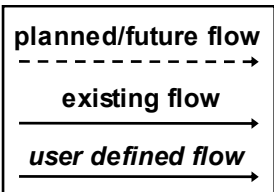
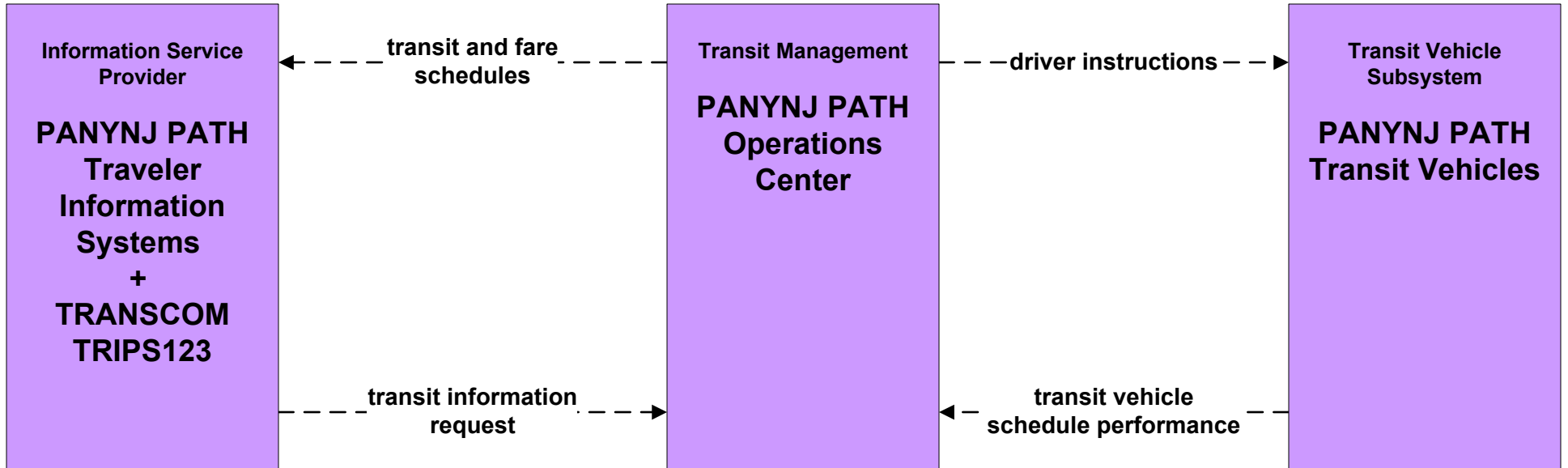
# APTS2 - Transit Fixed-Route Operations MTA Long Island Rail Road



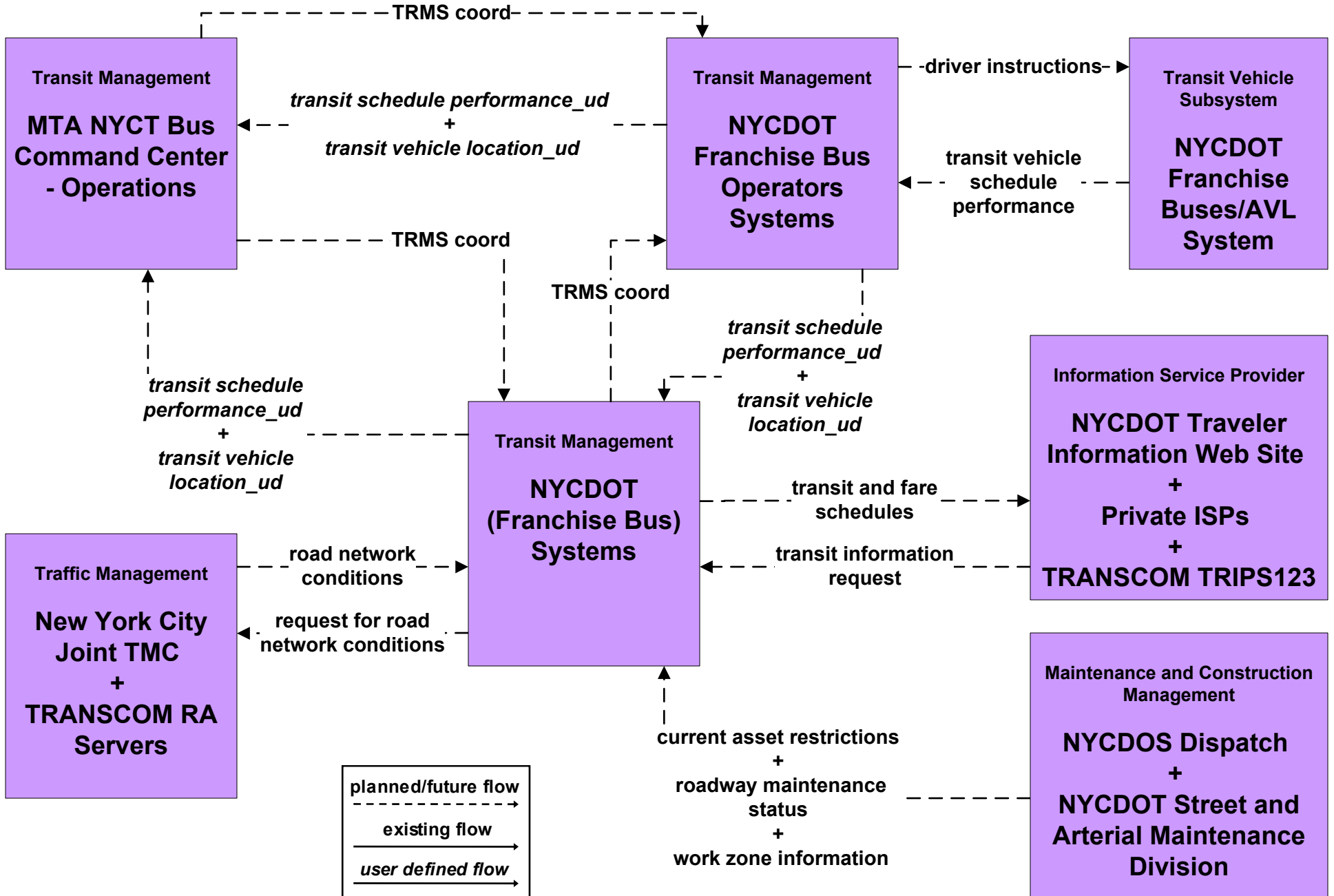
# APTS2 - Transit Fixed-Route Operations MTA Metro North Railroad



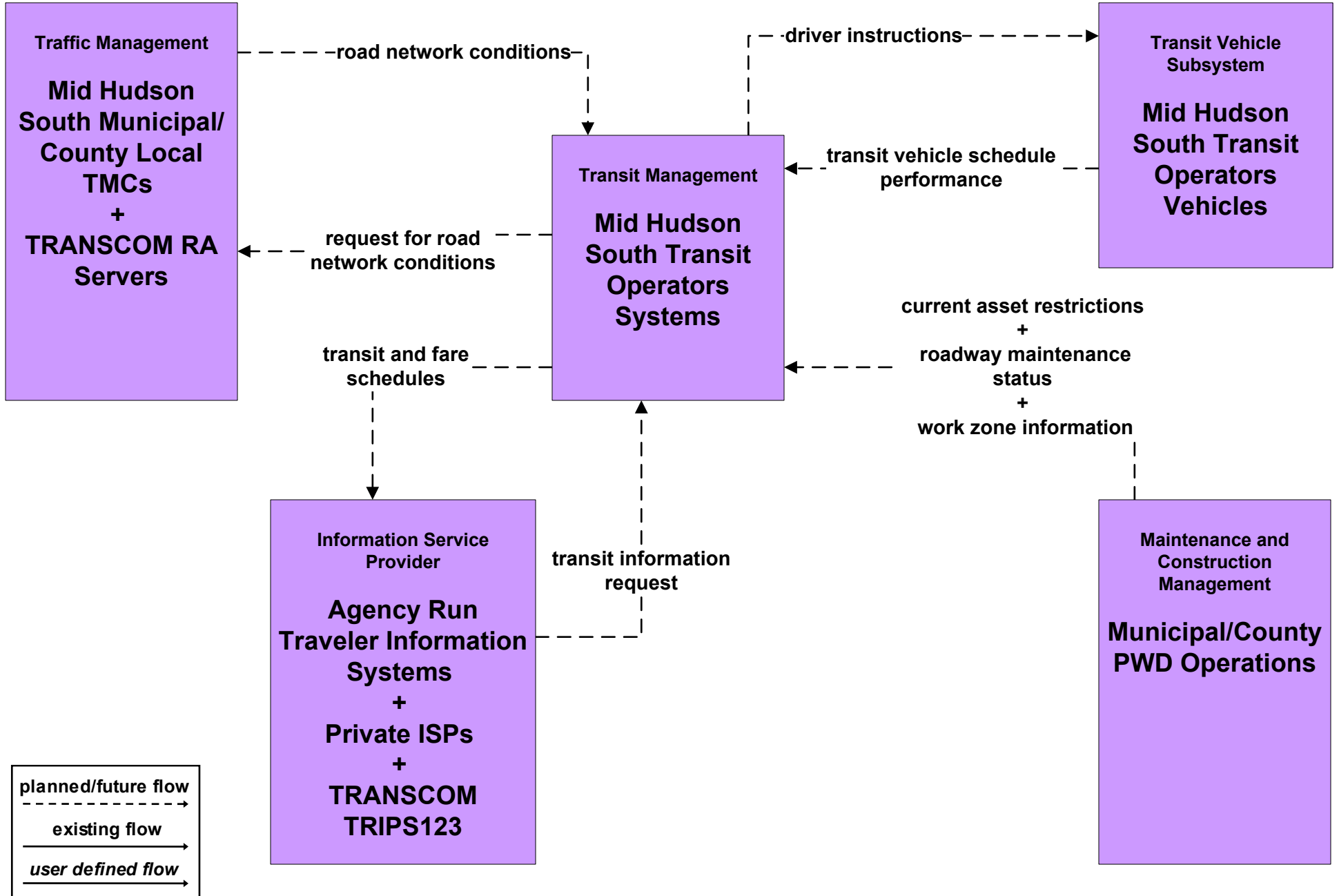
# APTS2 - Transit Fixed-Route Operations PANYNJ PATH



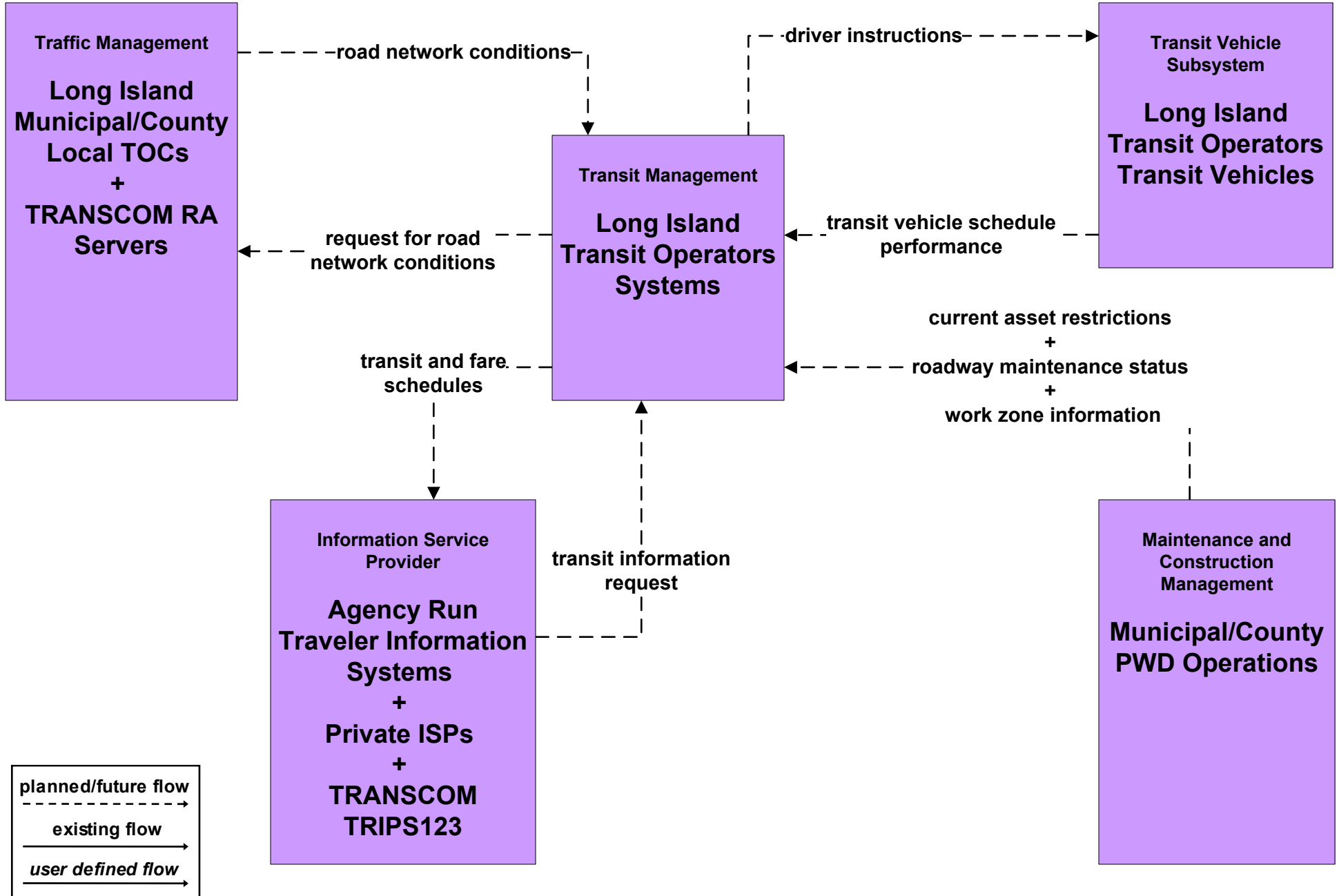
# APTS2 - Transit Fixed-Route Operations NYCDOT Franchise Buses



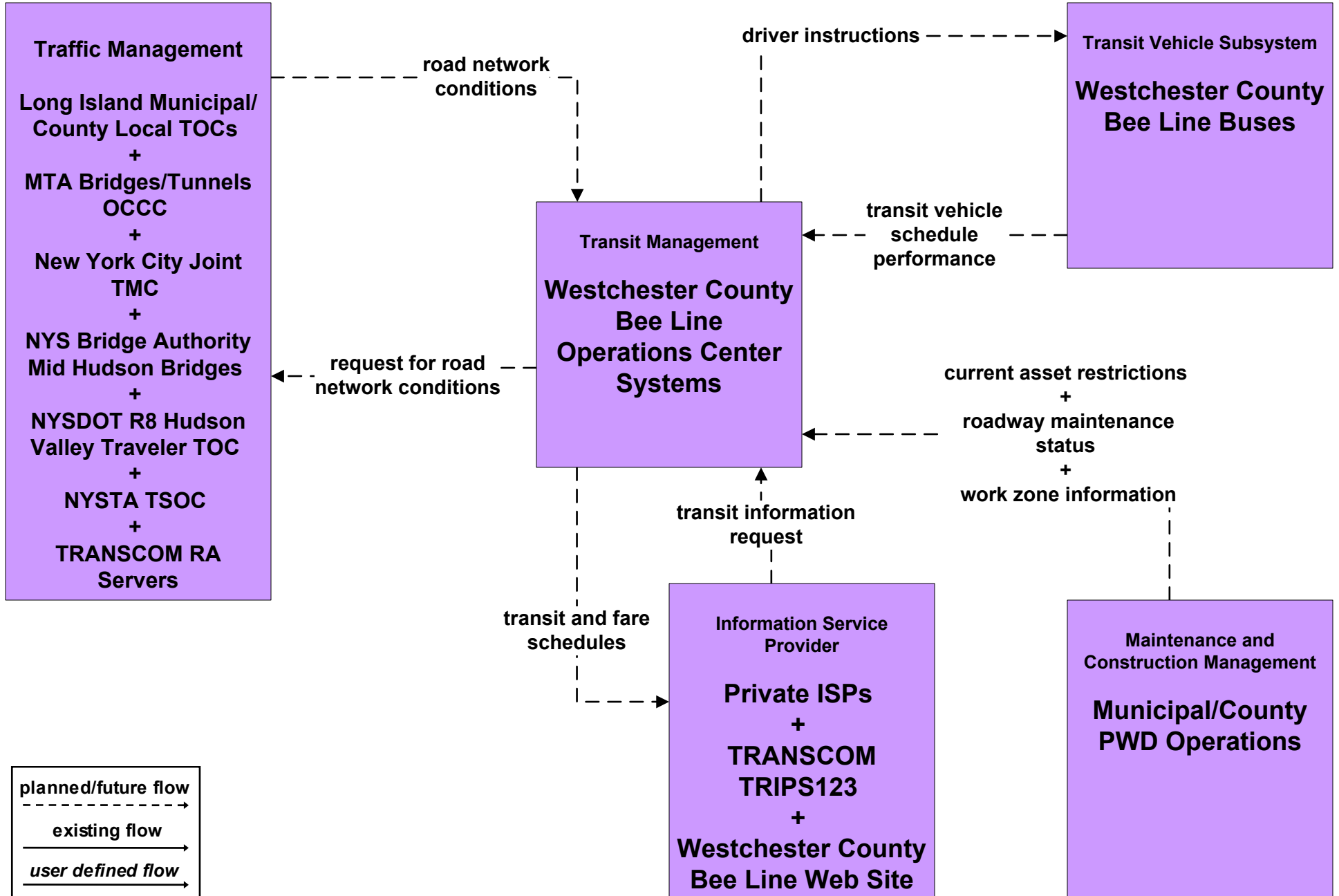
**APTS2 - Transit Fixed-Route Operations  
Mid Hudson South Operators Systems**



# APTS2 - Transit Fixed-Route Operations Long Island Transit Operators Systems

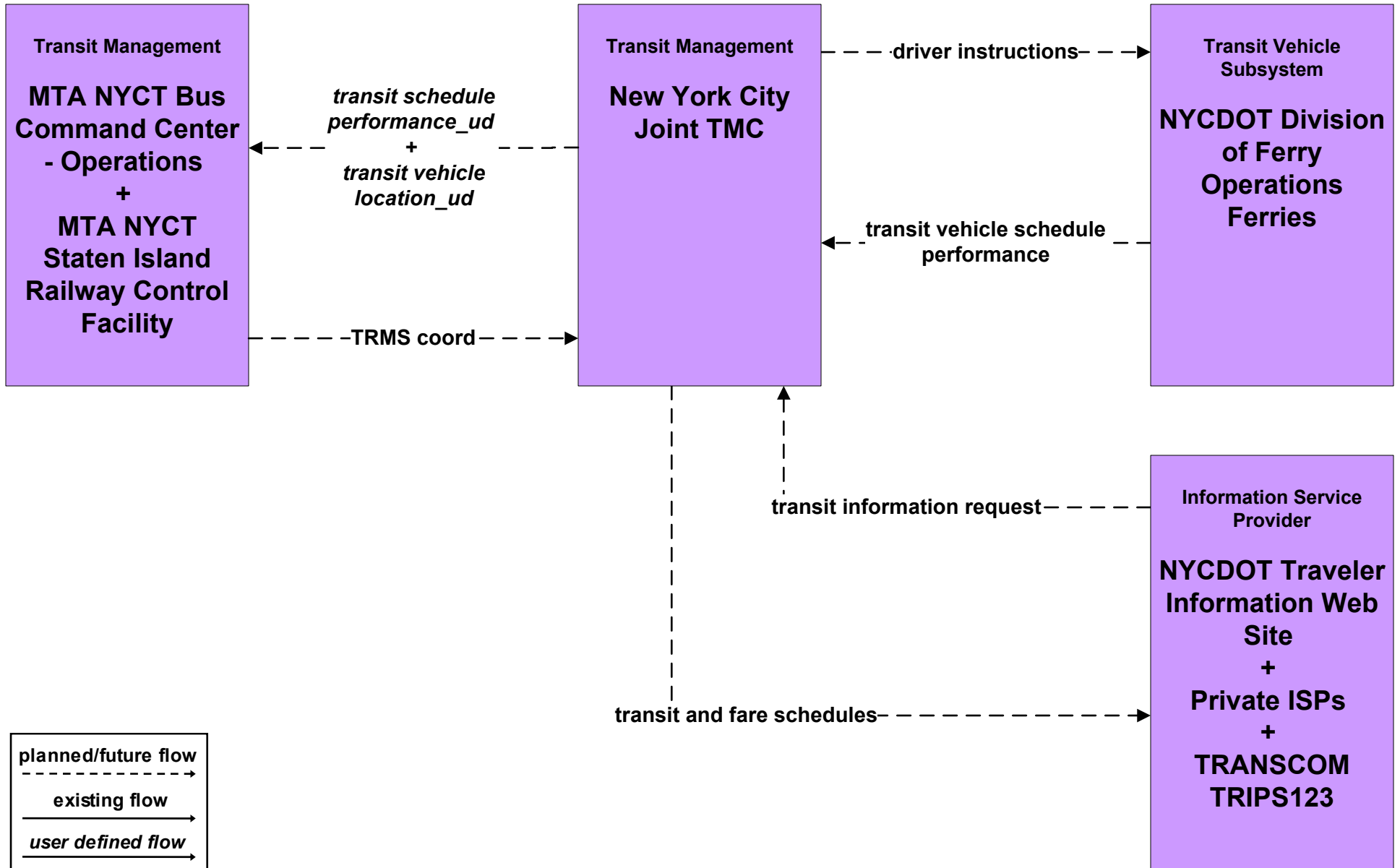


# APTS2 - Transit Fixed-Route Operations Westchester County Bee Line

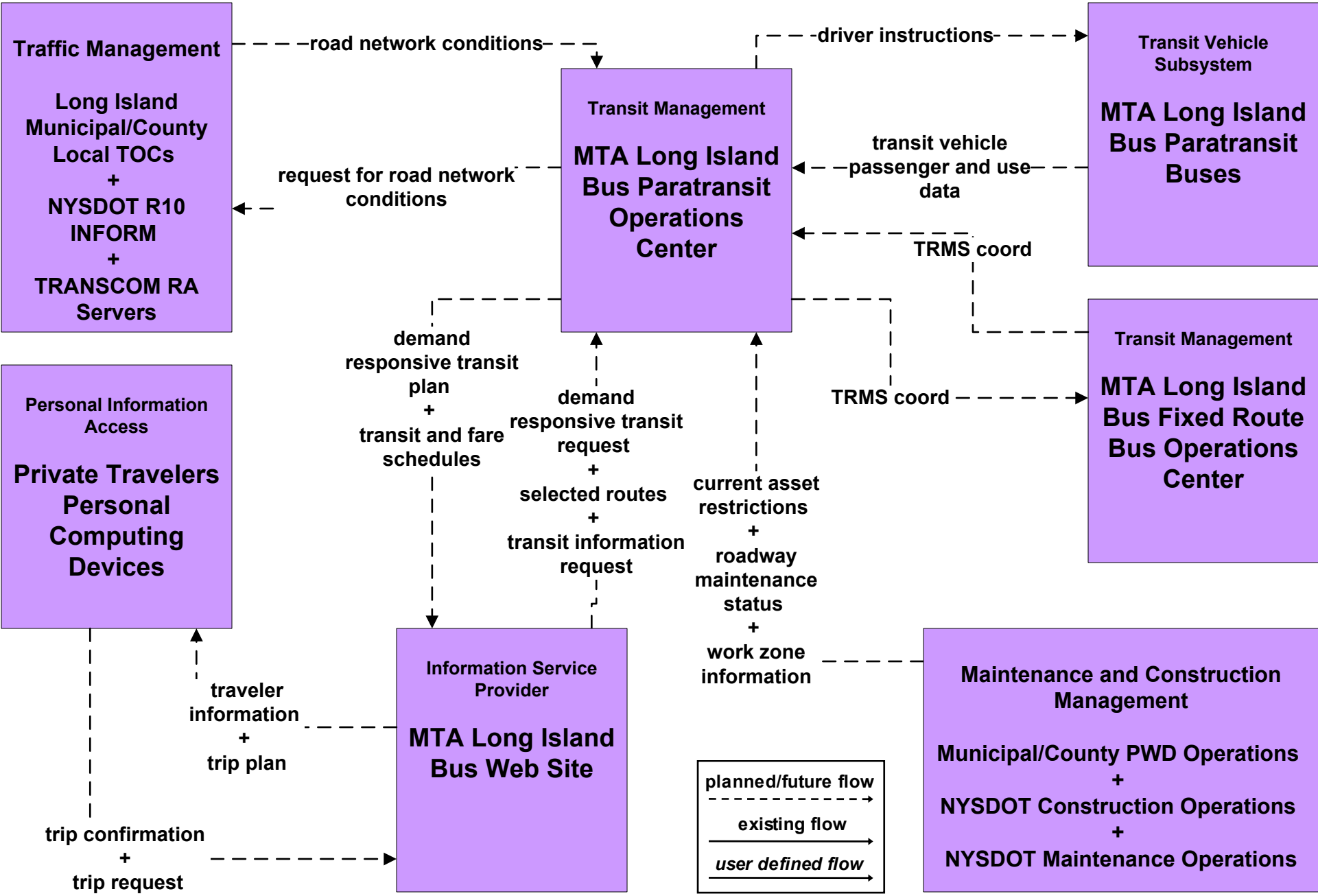




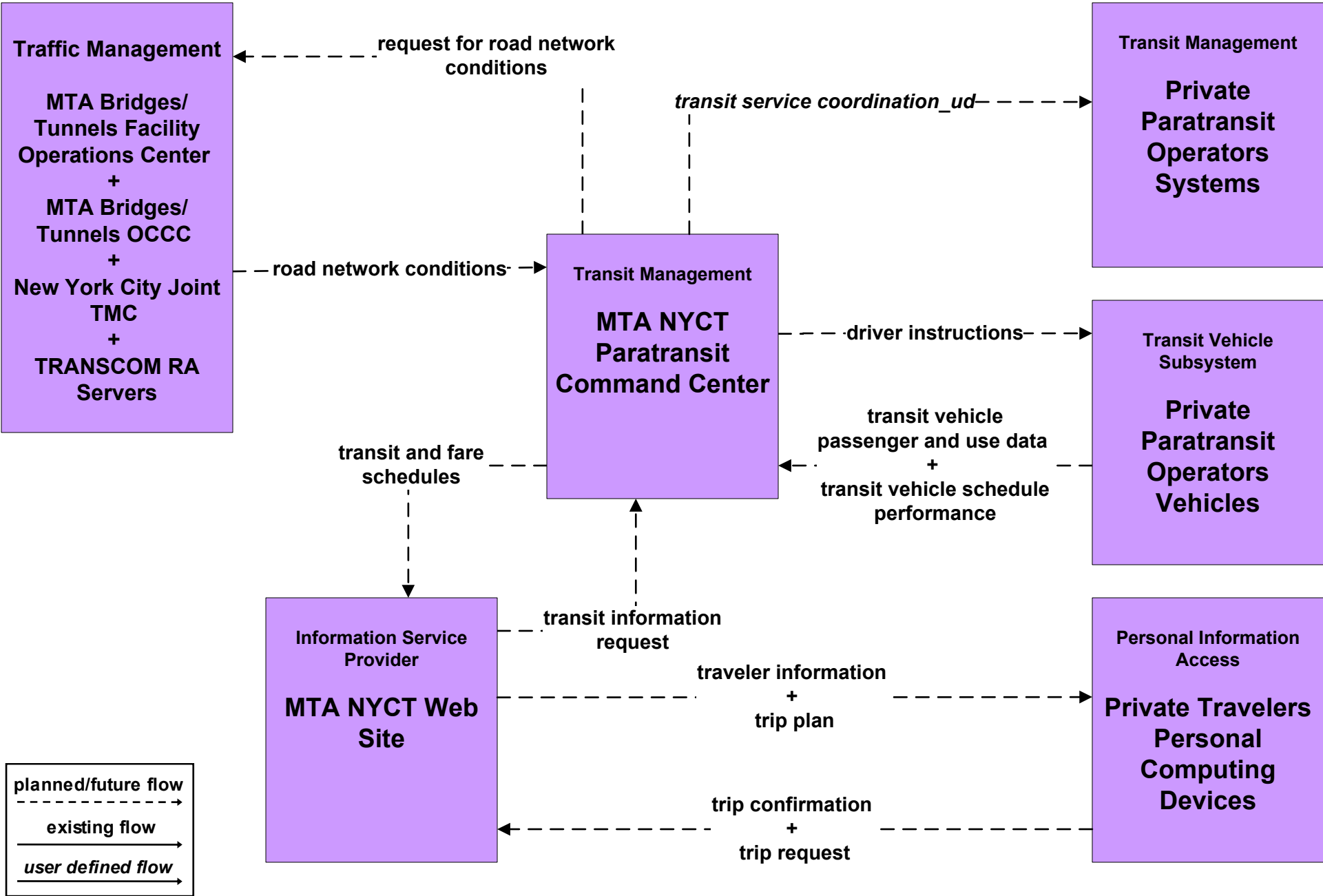
**APTS2 - Transit Fixed-Route Operations  
NYCDOT Division of Ferry Operations**



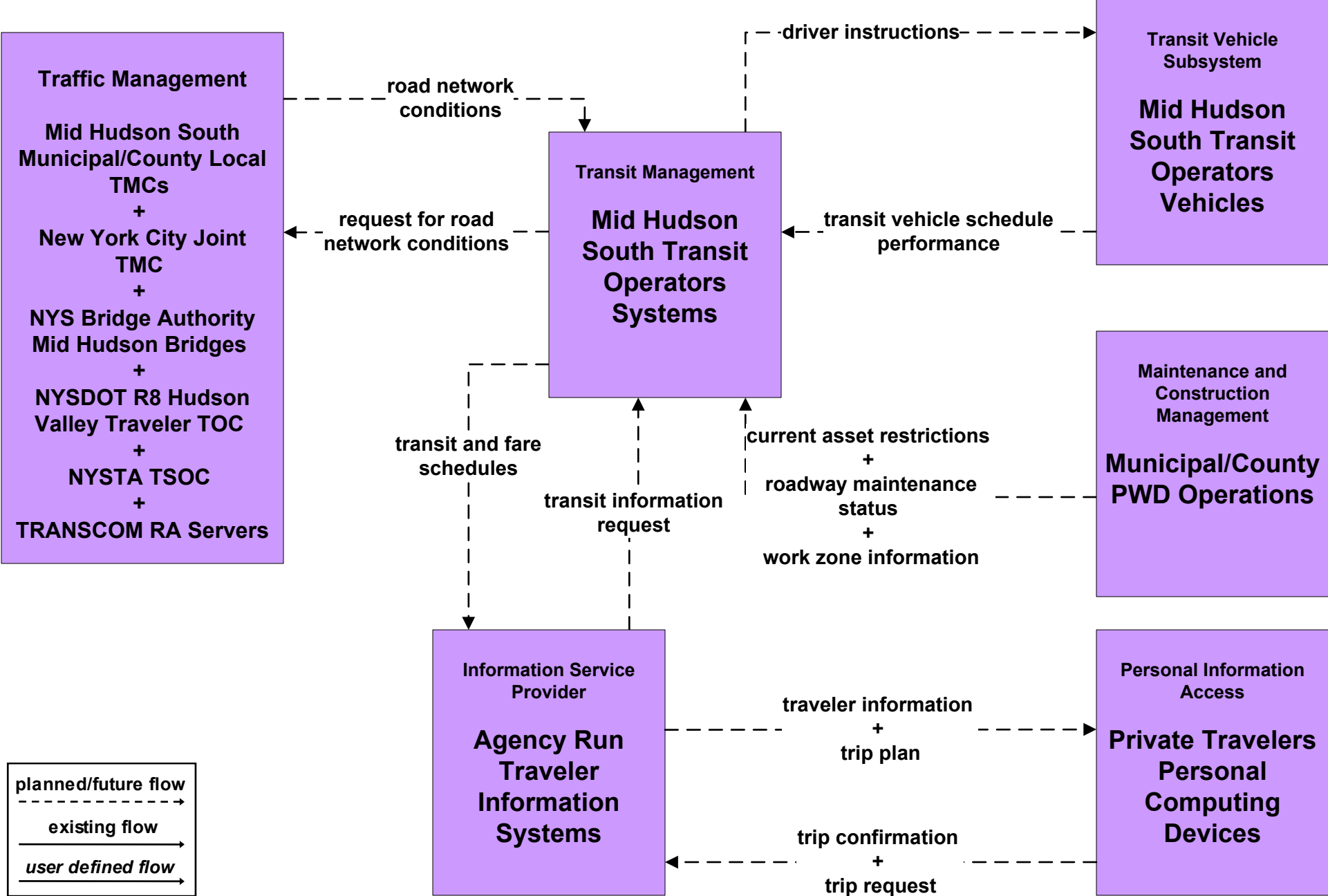
# APTS3 - Demand Response Transit Operations MTA Long Island Bus Paratransit



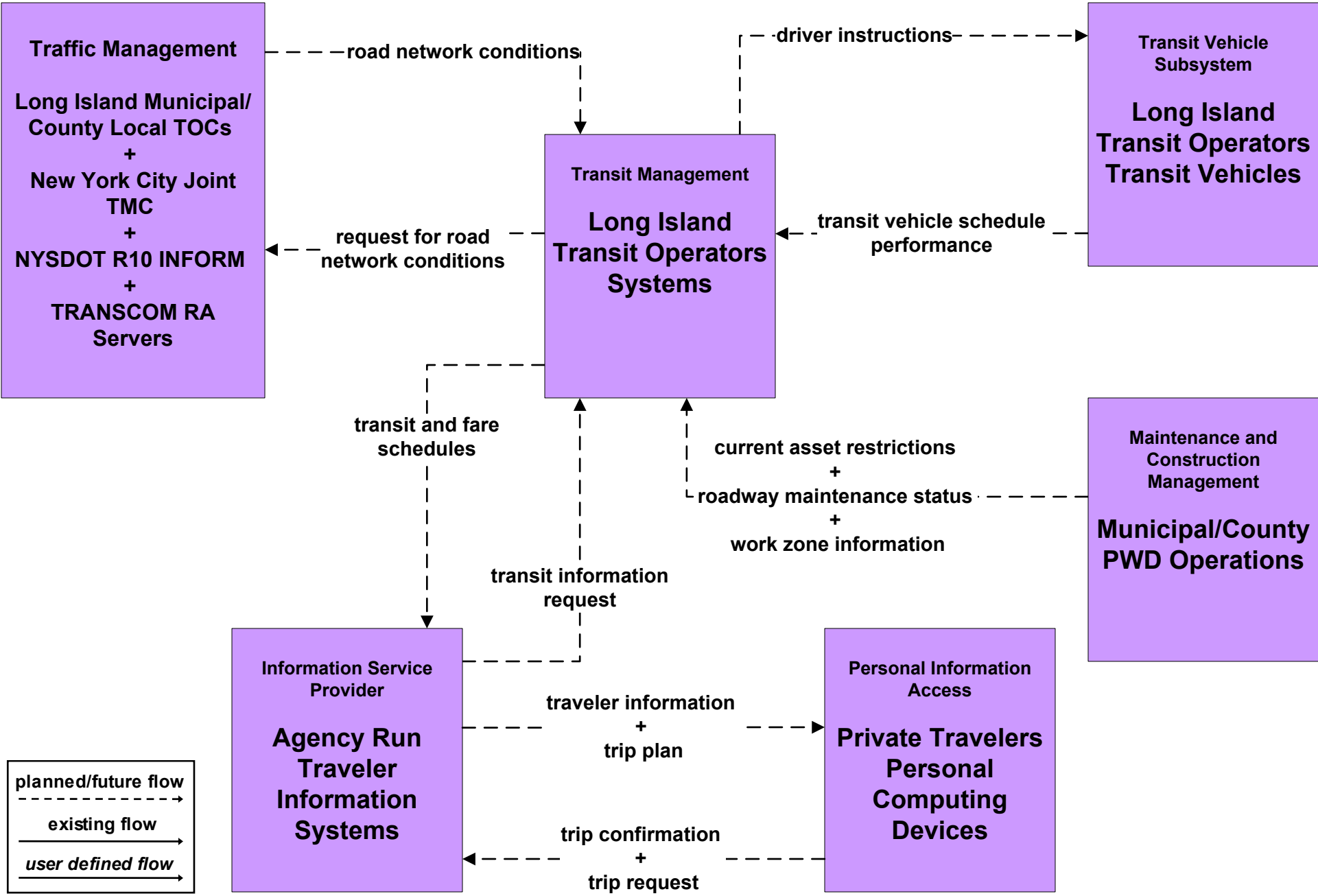
# APTS3 - Demand Response Transit Operations MTA NYC Transit Paratransit



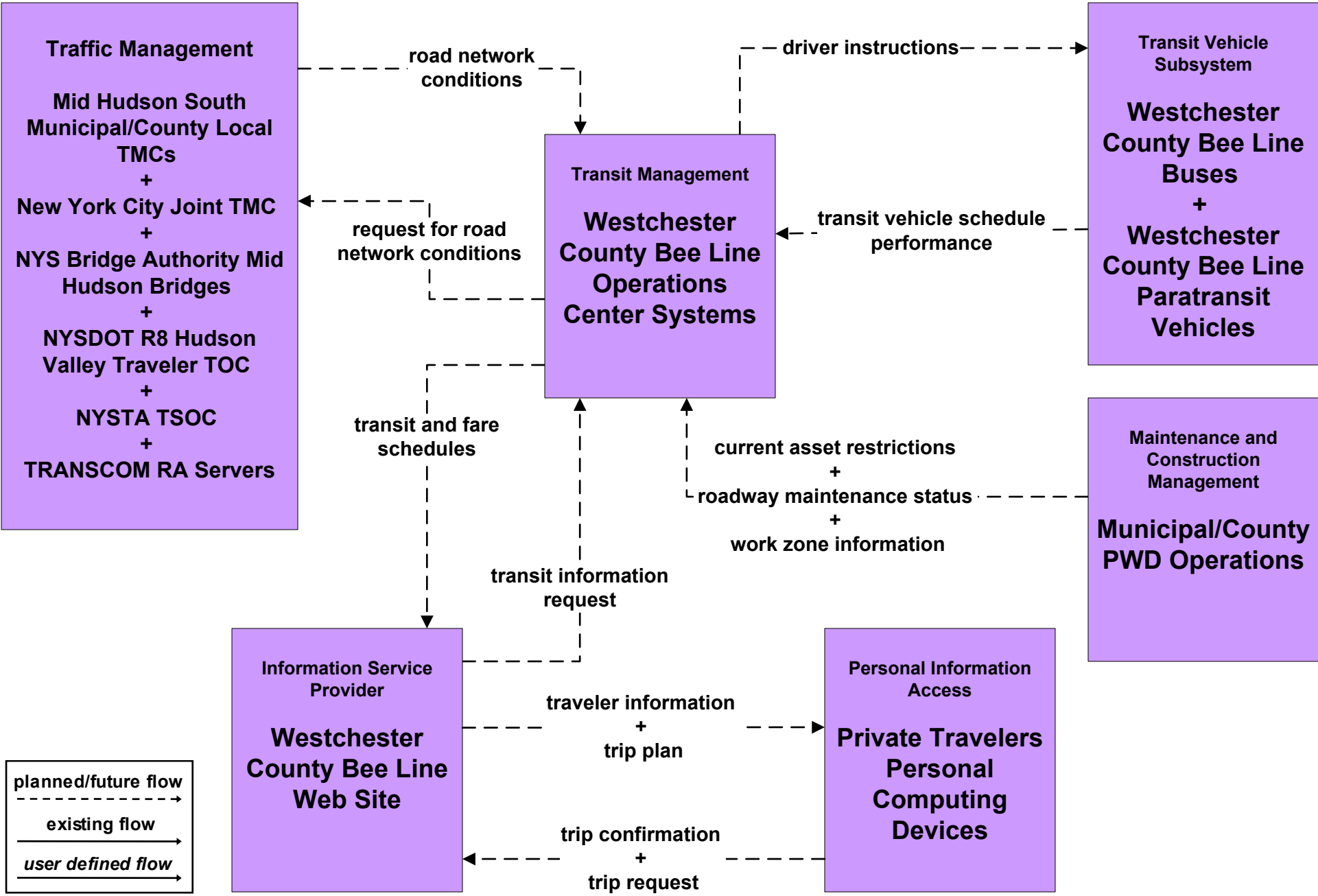
# APTS3 - Demand Response Transit Operations Mid Hudson South Transit Operators



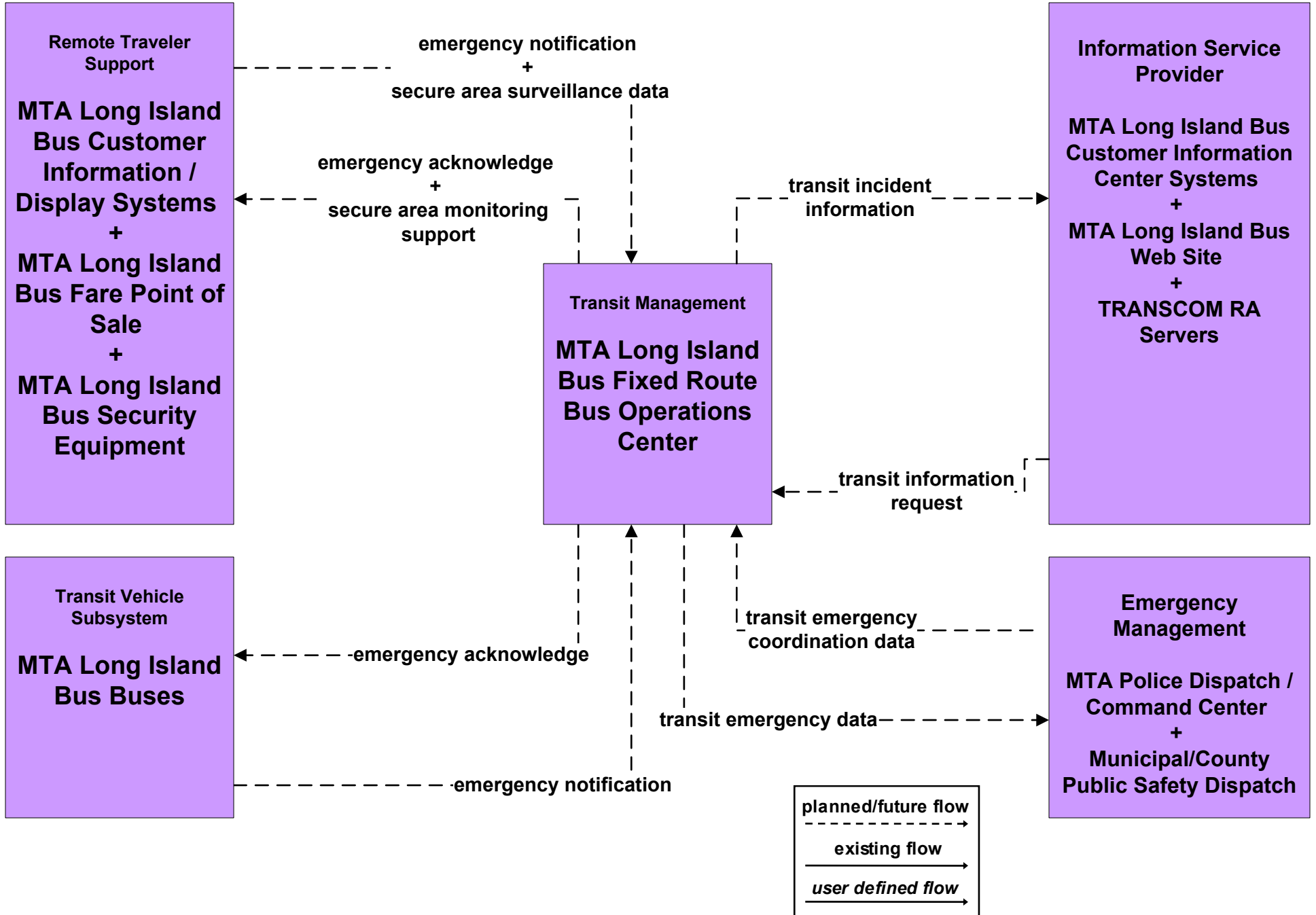
# APTS3 - Demand Response Transit Operations Long Island Transit Operators



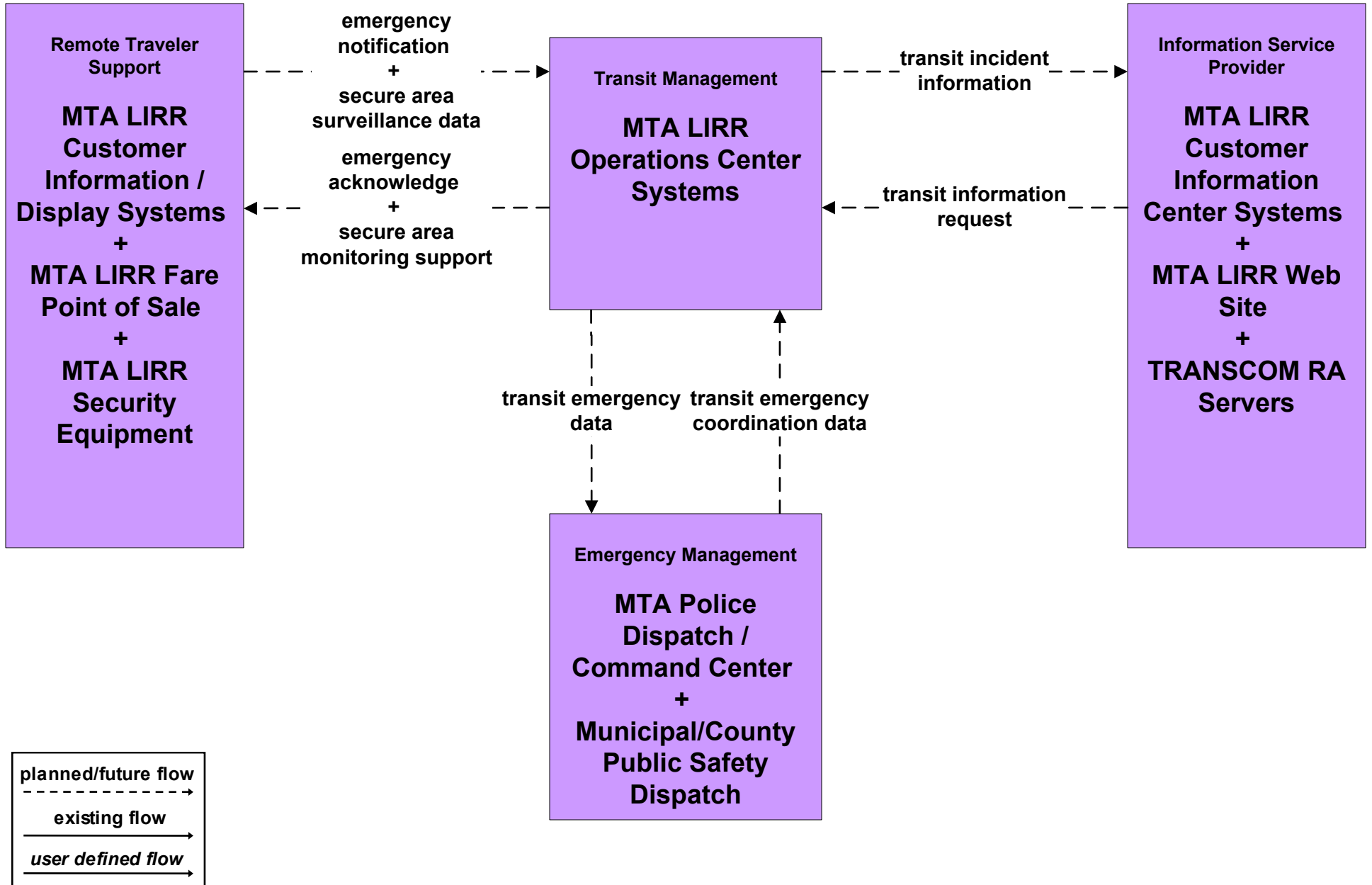
# APTS3 - Demand Response Transit Operations Westchester County Bee Line



# APTS5 - Transit Security MTA Long Island Bus

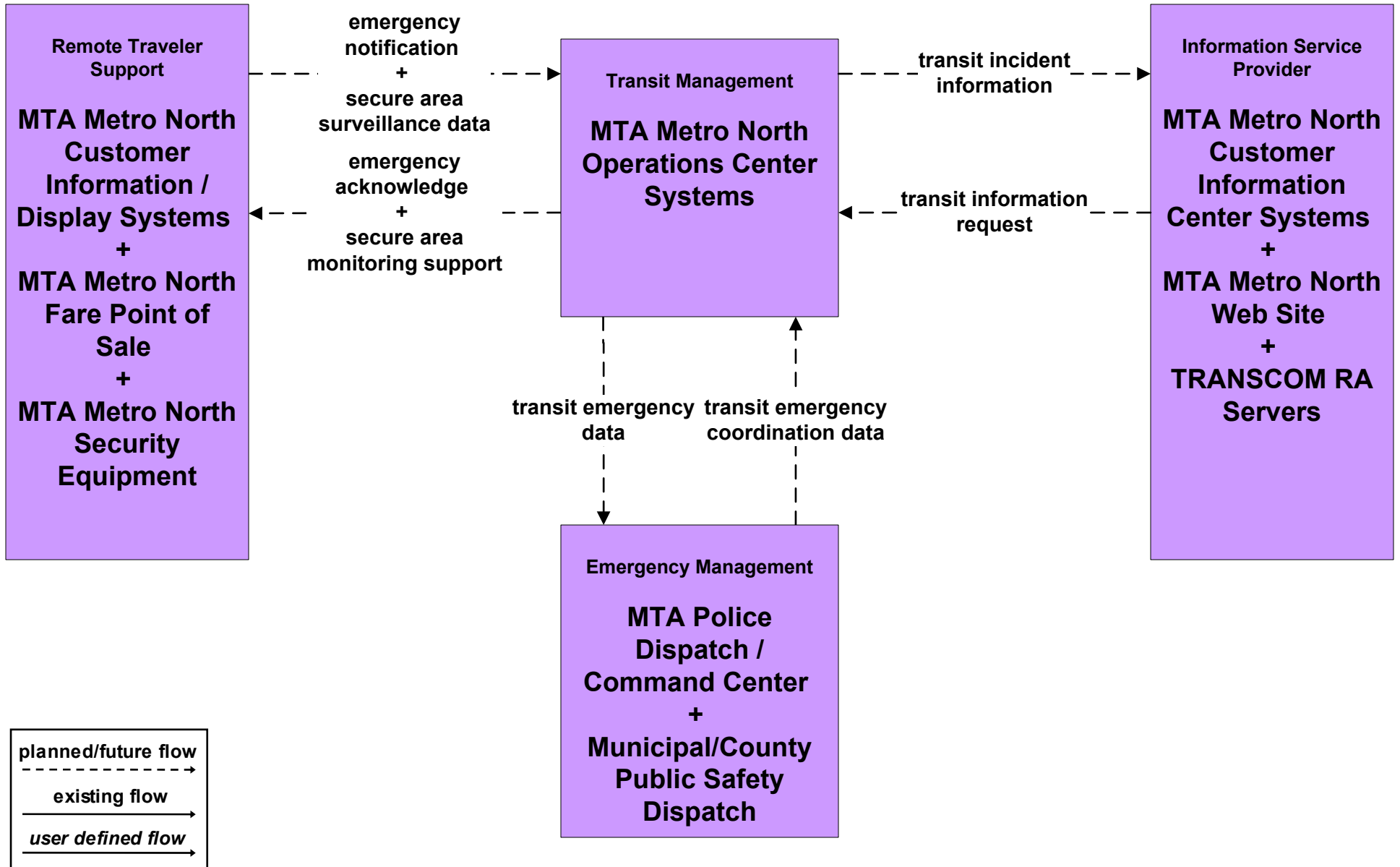


**APTS5 - Transit Security  
MTA Long Island Rail Road**

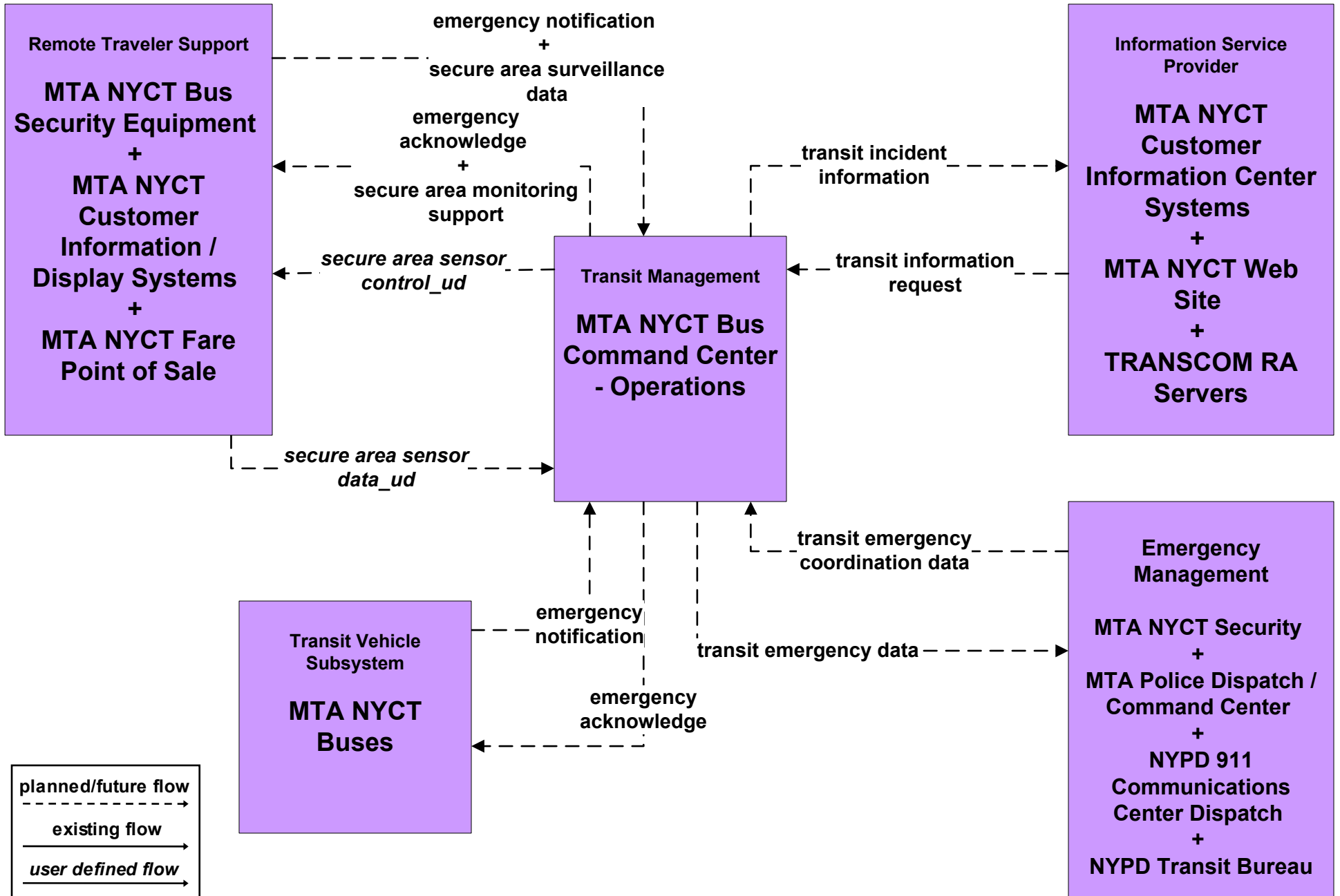




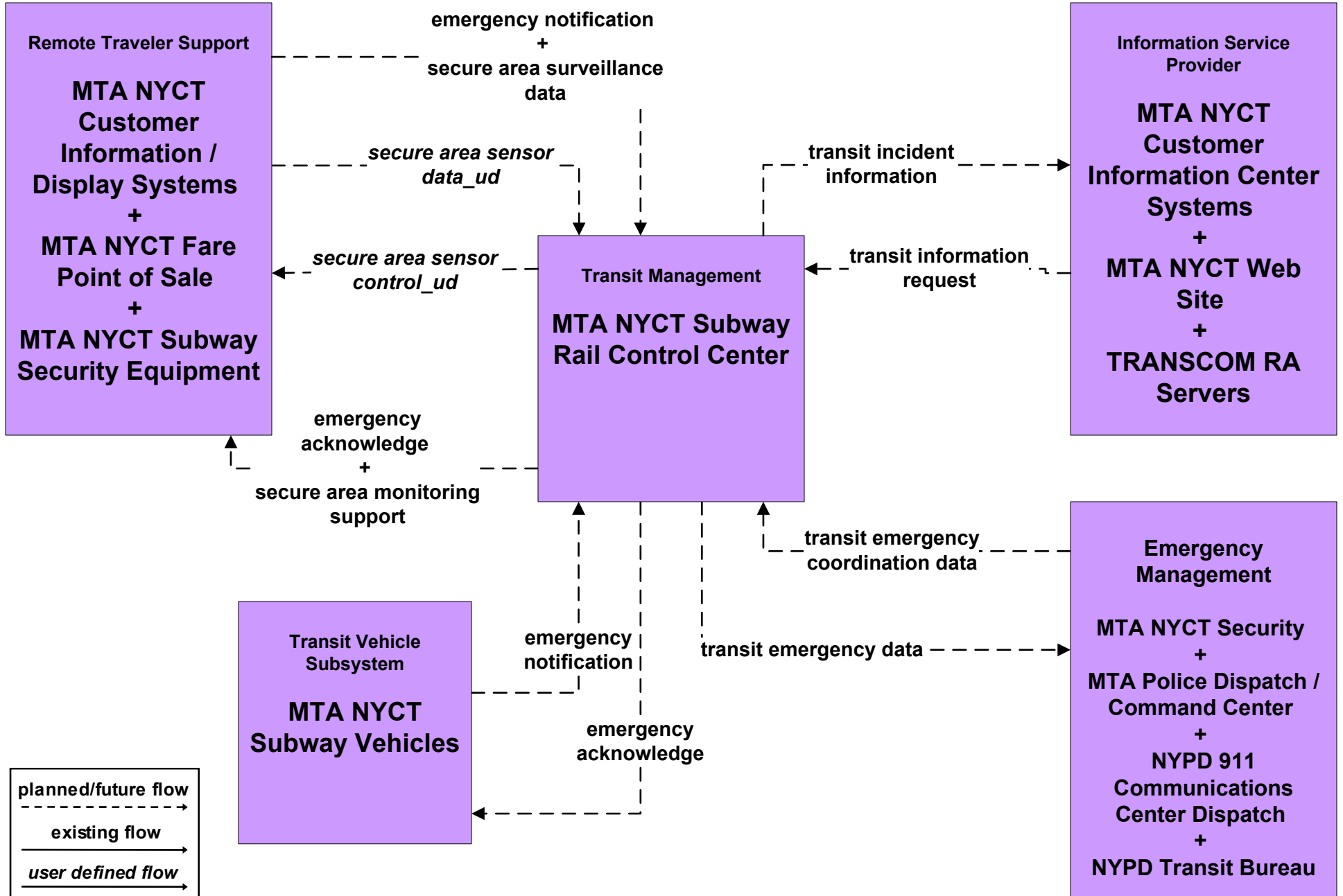
# APTS5 - Transit Security MTA Metro North Railroad



# APTS5 - Transit Security MTA NYC Transit Bus

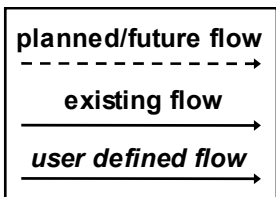
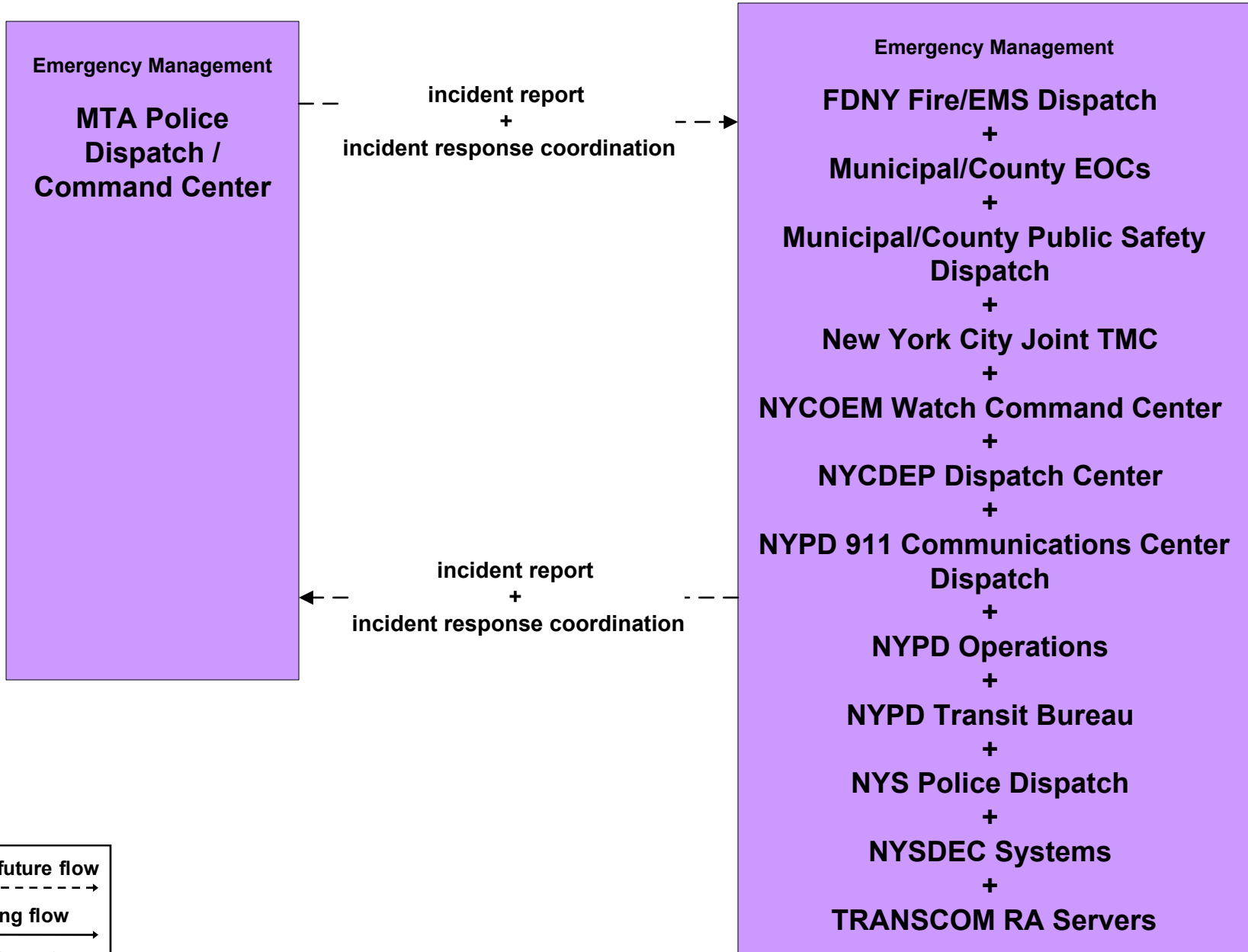


# APTS5 - Transit Security MTA NYC Transit Subway

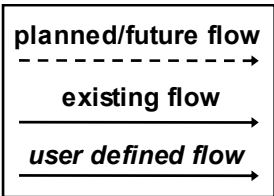
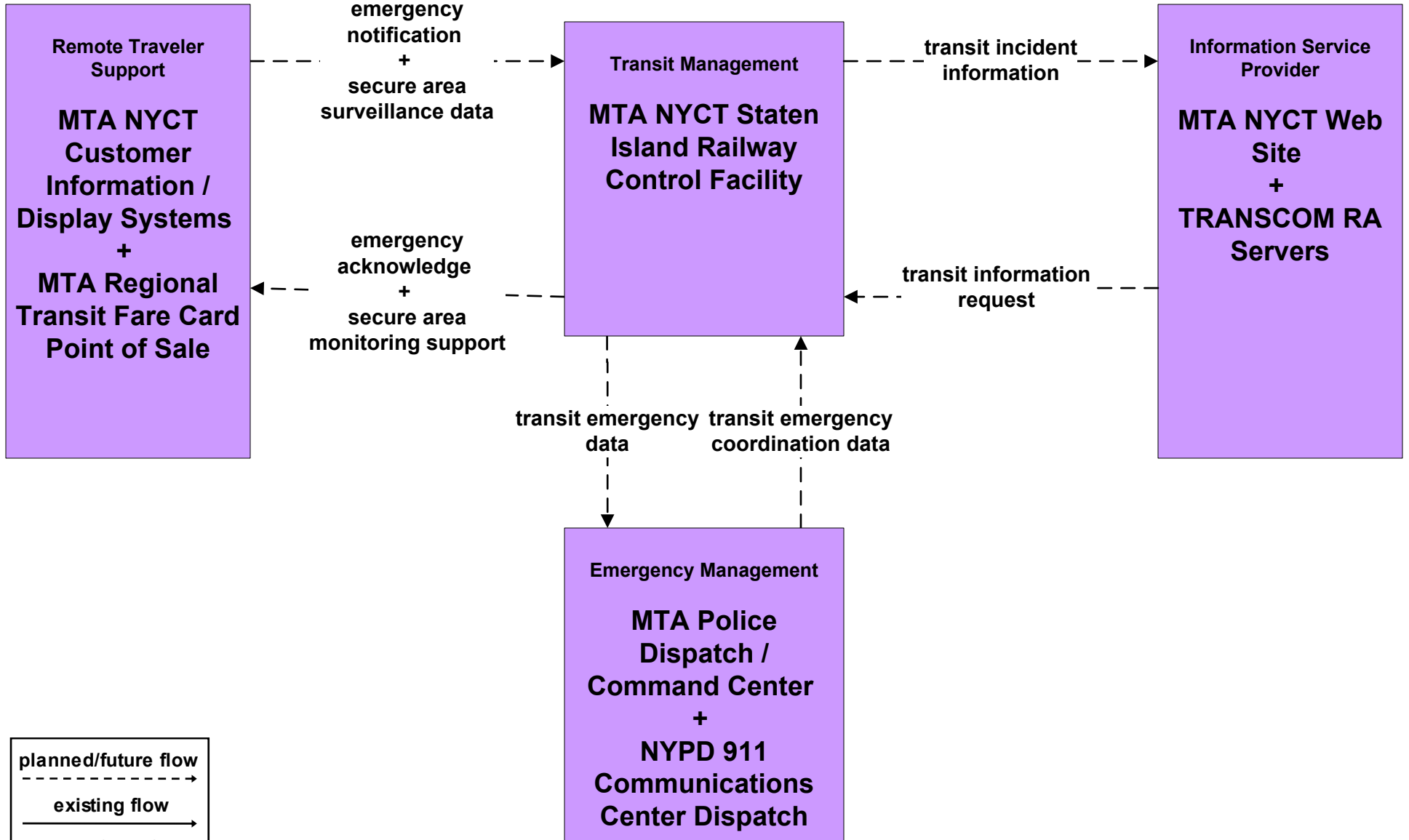


# APTS5 - Transit Security

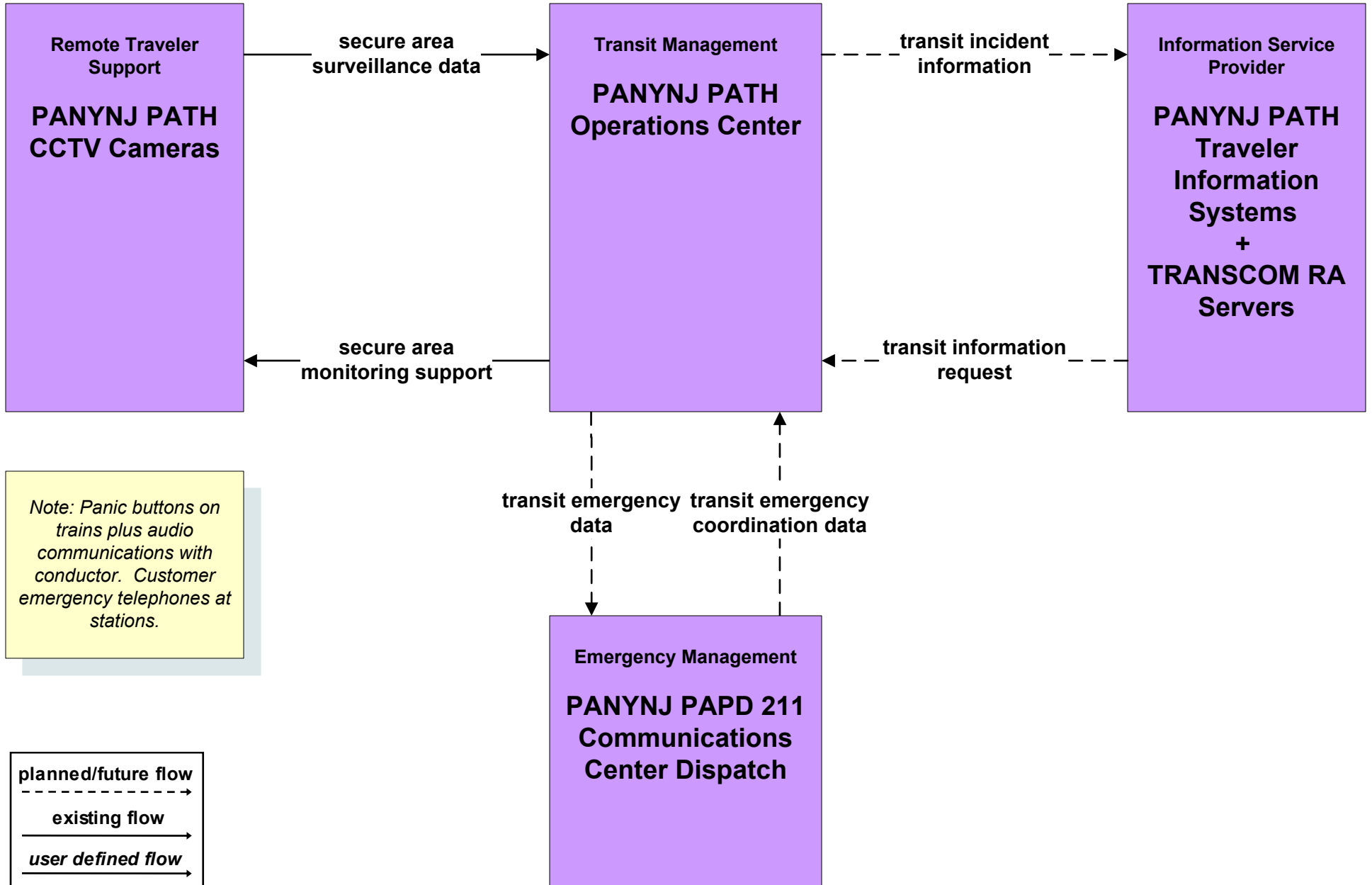
## MTA Police Dispatch / Command Center to Other Emergency Management Centers (3 of 3)



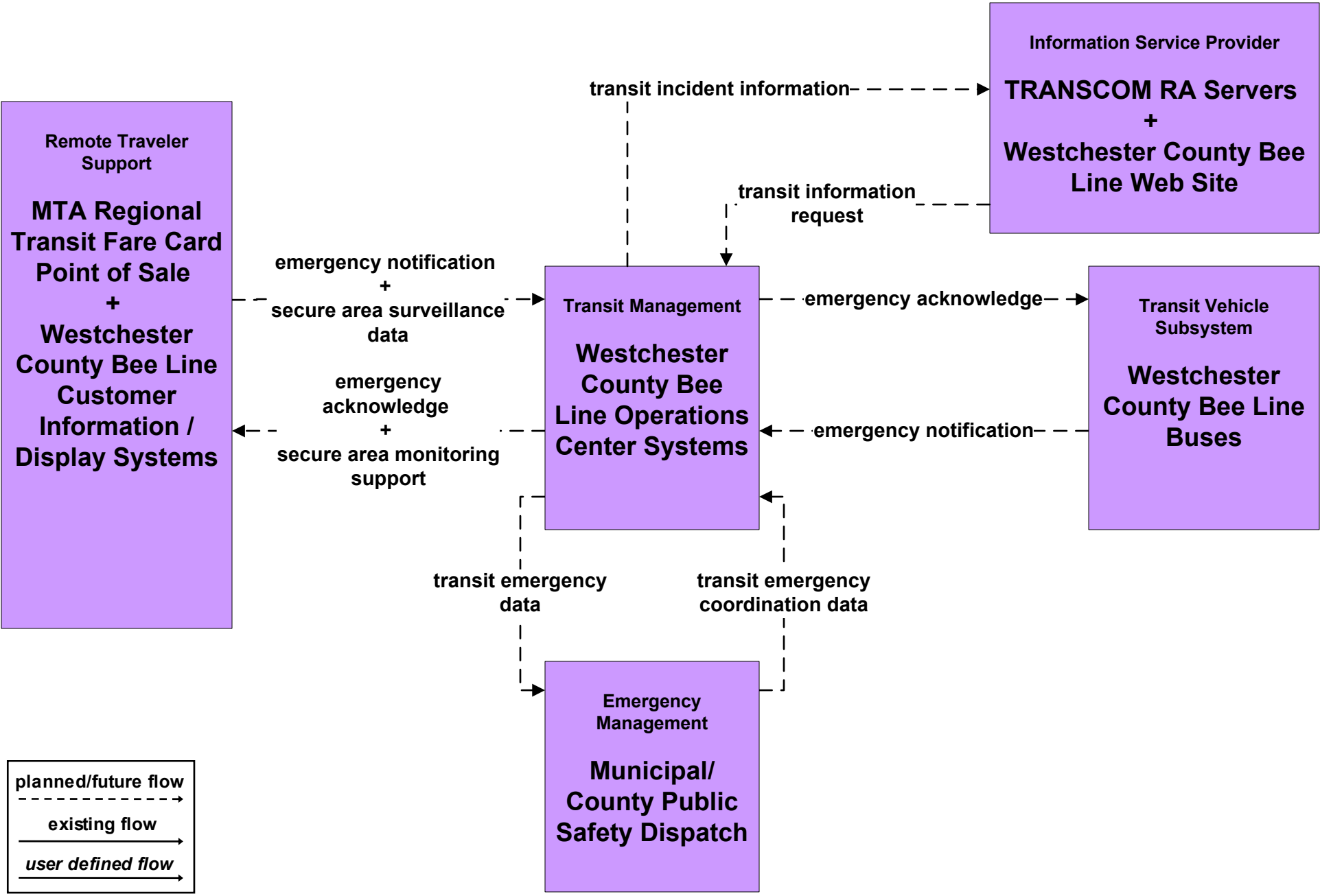
# APTS5 - Transit Security MTA NYCT Staten Island Railway



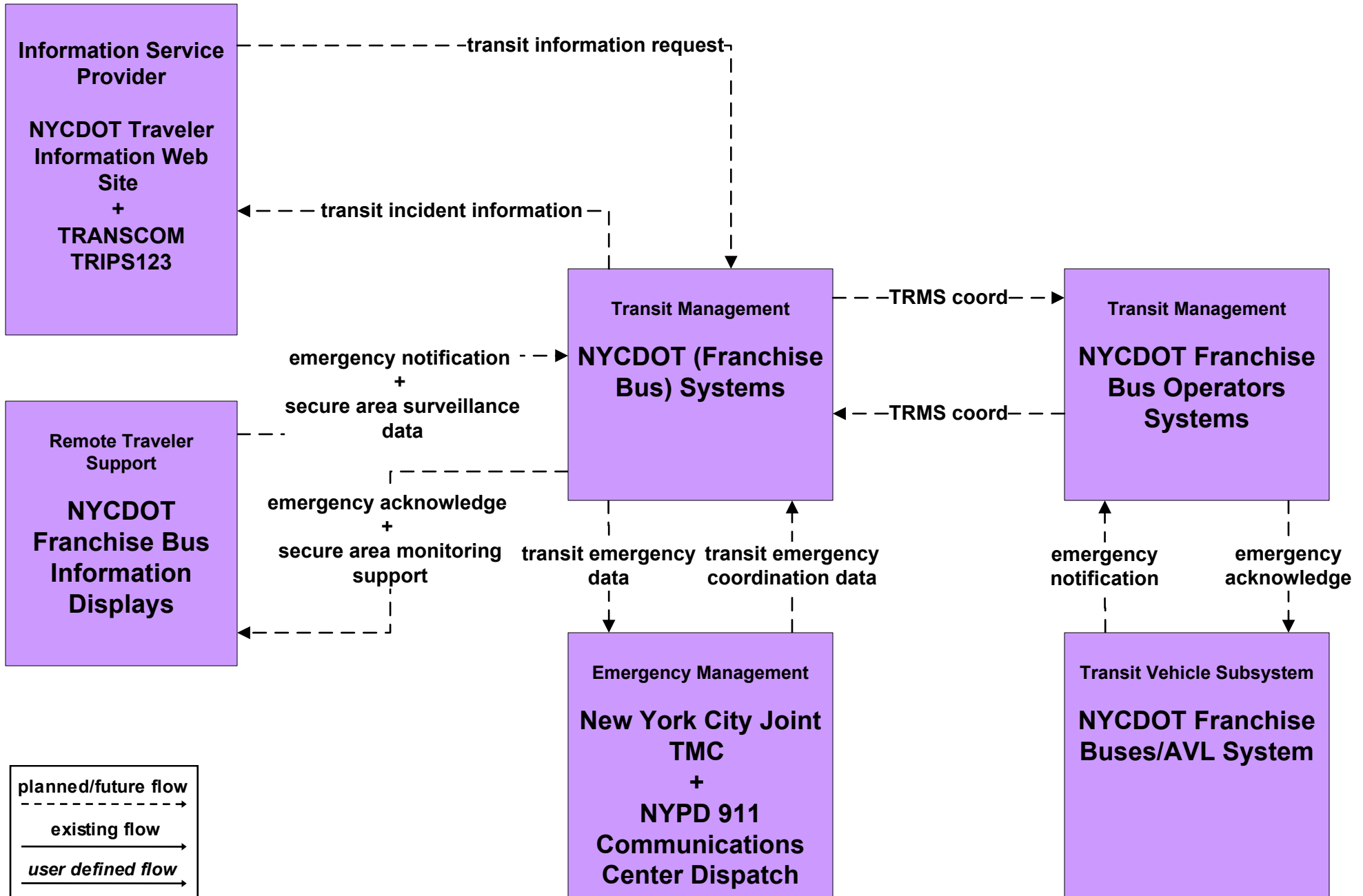
# APTS5 - Transit Security PANYNJ PATH



# APTS5 - Transit Security Westchester County Bee Line

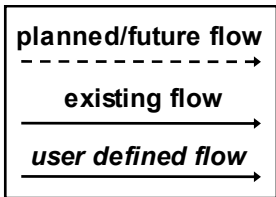
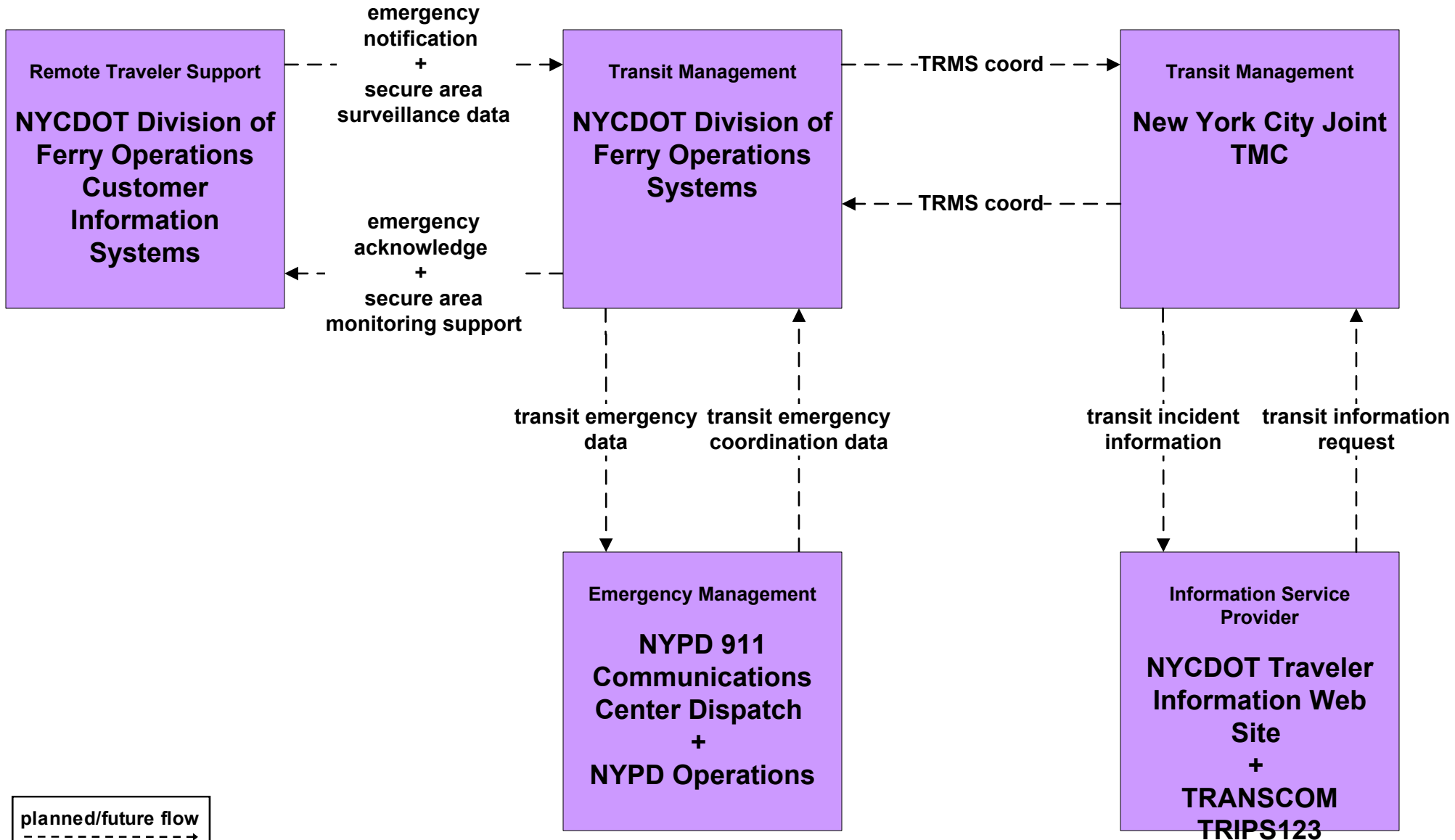


# APTS5 - Transit Security NYCDOT Franchise Buses



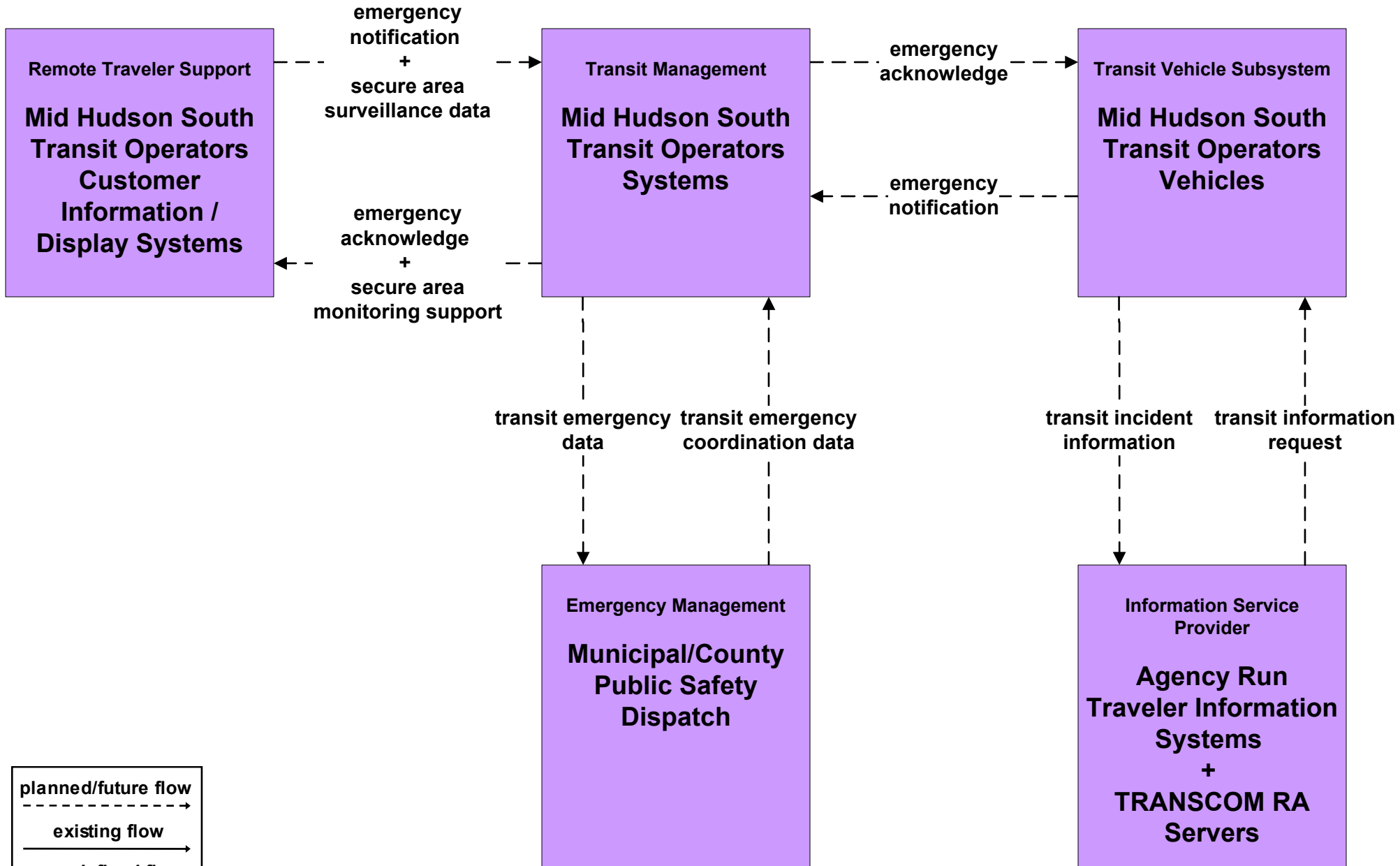


**APTS5 - Transit Security  
NYCDOT Division of Ferry Operations**

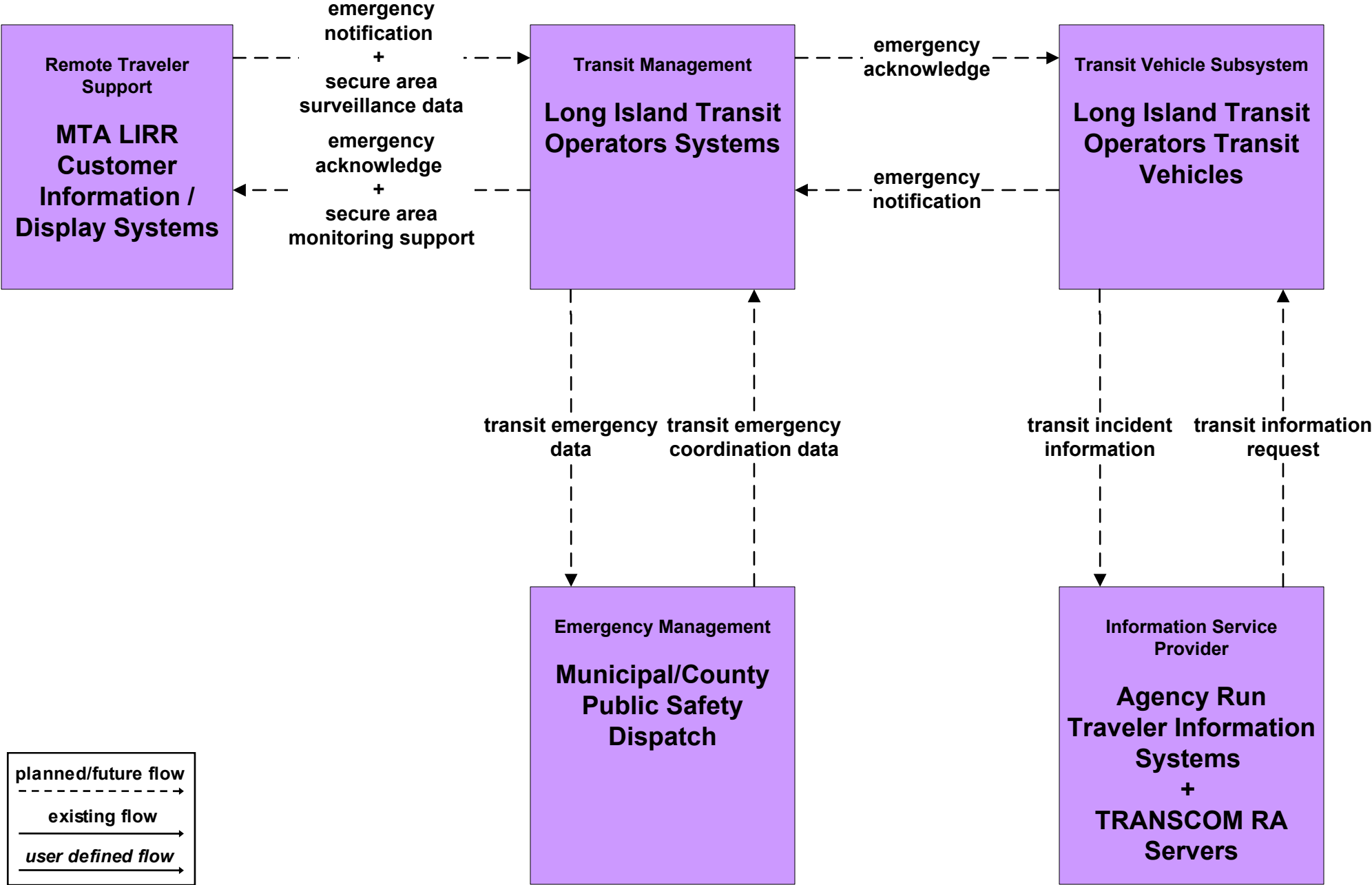


# APTS5 - Transit Security

## Mid Hudson South Transit Operators



# APTS5 - Transit Security Long Island Transit Operators



**APTS7 - Multimodal Coordination  
Regional Transit Information Exchange**

**Transit Management**

- AMTRAK Operations Center**
- +
- Long Island Transit Operators Systems**
- +
- Mid Hudson South Transit Operators Systems**
- +
- MTA LIRR Operations Center Systems**
- +
- MTA Long Island Bus Fixed Route Bus Operations Center**
- +
- MTA Metro North Operations Center Systems**
- +
- MTA NYCT Bus Command Center - Operations**
- +
- MTA NYCT Staten Island Railway Control Facility**
- +
- MTA NYCT Subway Rail Control Center**
- +
- NJT Bus Operations Systems**
- +
- NJT Rail Operations Systems**
- +
- NYCDOT (Franchise Bus) Systems**
- +
- PANYNJ TB/T Bus Terminals/Stations Communications Desk/  
Operations Center**
- +
- PANYNJ PATH Operations Center**
- +
- Private Ferry Operators Systems**
- +
- Private Long-Distance Bus Operators Systems**
- +
- TRANSCOM Other Member / Non-Member Agencies Systems**
- +
- Westchester County Bee Line Operations Center Systems**

Question: Should the PANYNJ Bus Terminal be here?

**Other TRM**

**TRANSCOM TRIPS123**

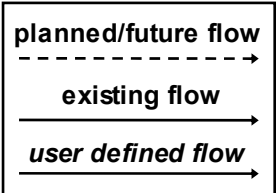
---TRMS coord---

*transit incident information\_ud*  
+  
*transit schedules\_ud*  
+  
*transit traveler information coordination\_ud*

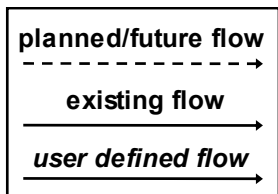
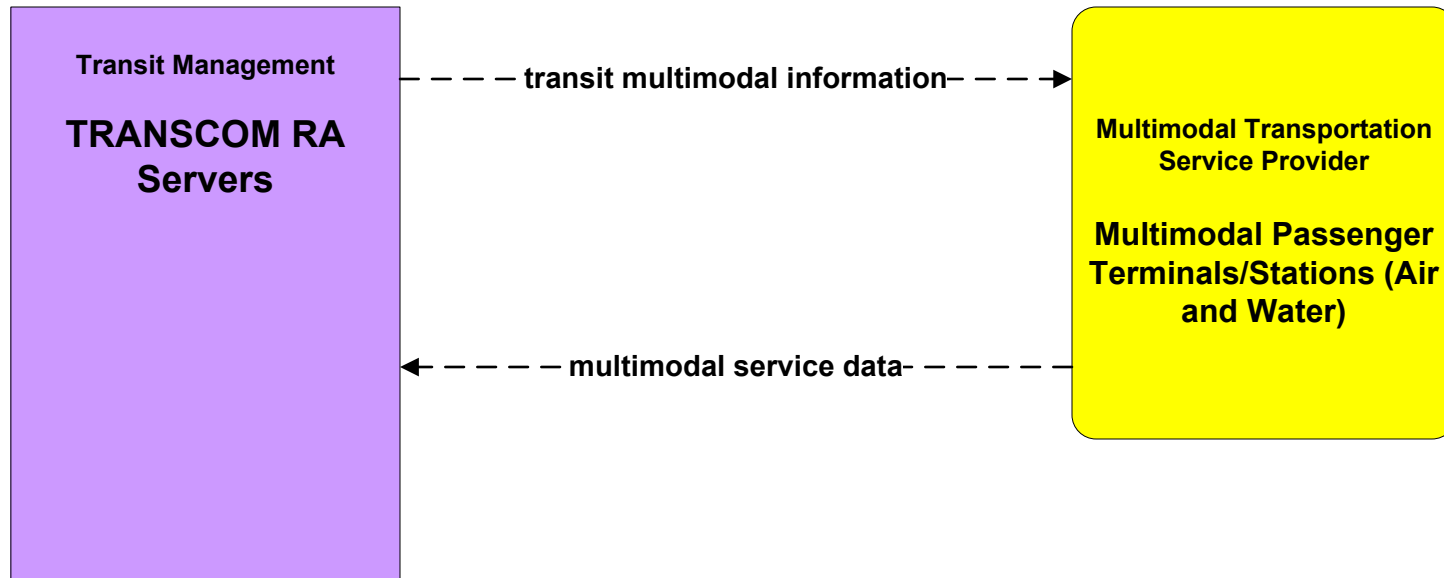
*transit incident information\_ud*  
+  
*transit schedules\_ud*  
+  
*transit traveler information coordination\_ud*

Outside NYC, transit agencies are likely to exchange transit schedules. E.g., MTA MNR & NJ Transit

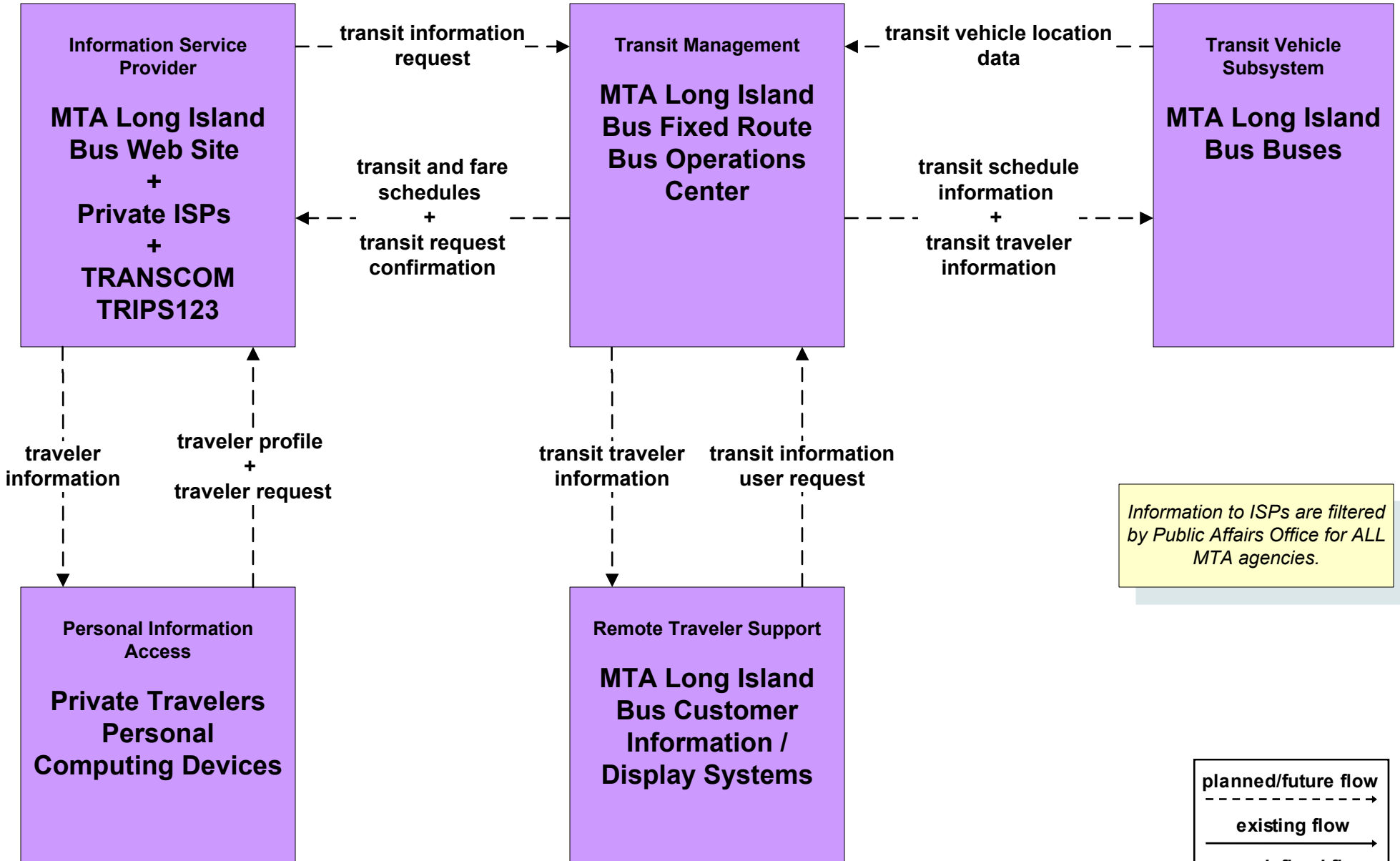
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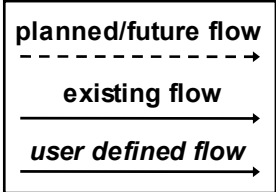
# APTS7 - Multimodal Coordination TRANSCOM



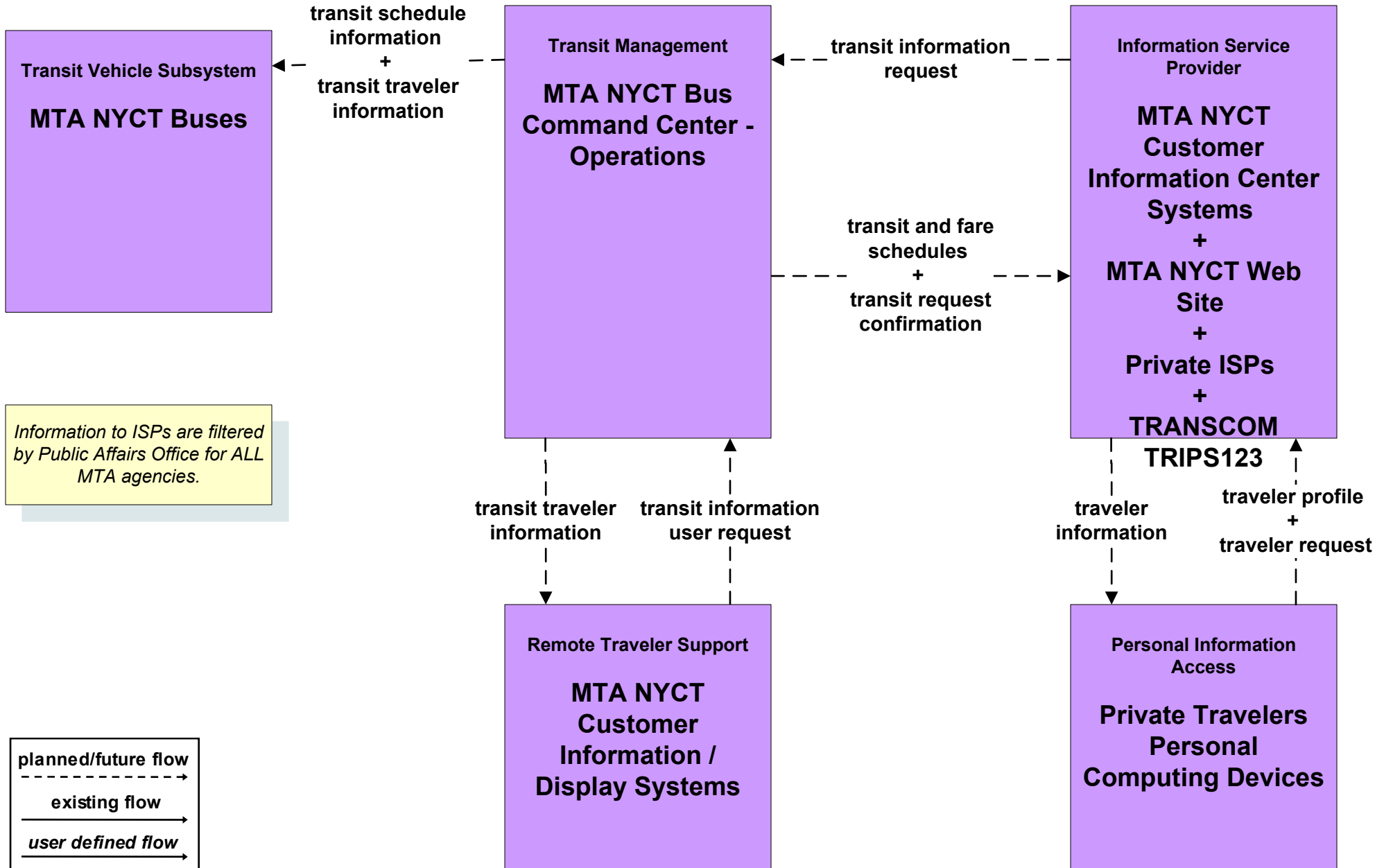
# APTS8 - Transit Traveler Information MTA Long Island Bus



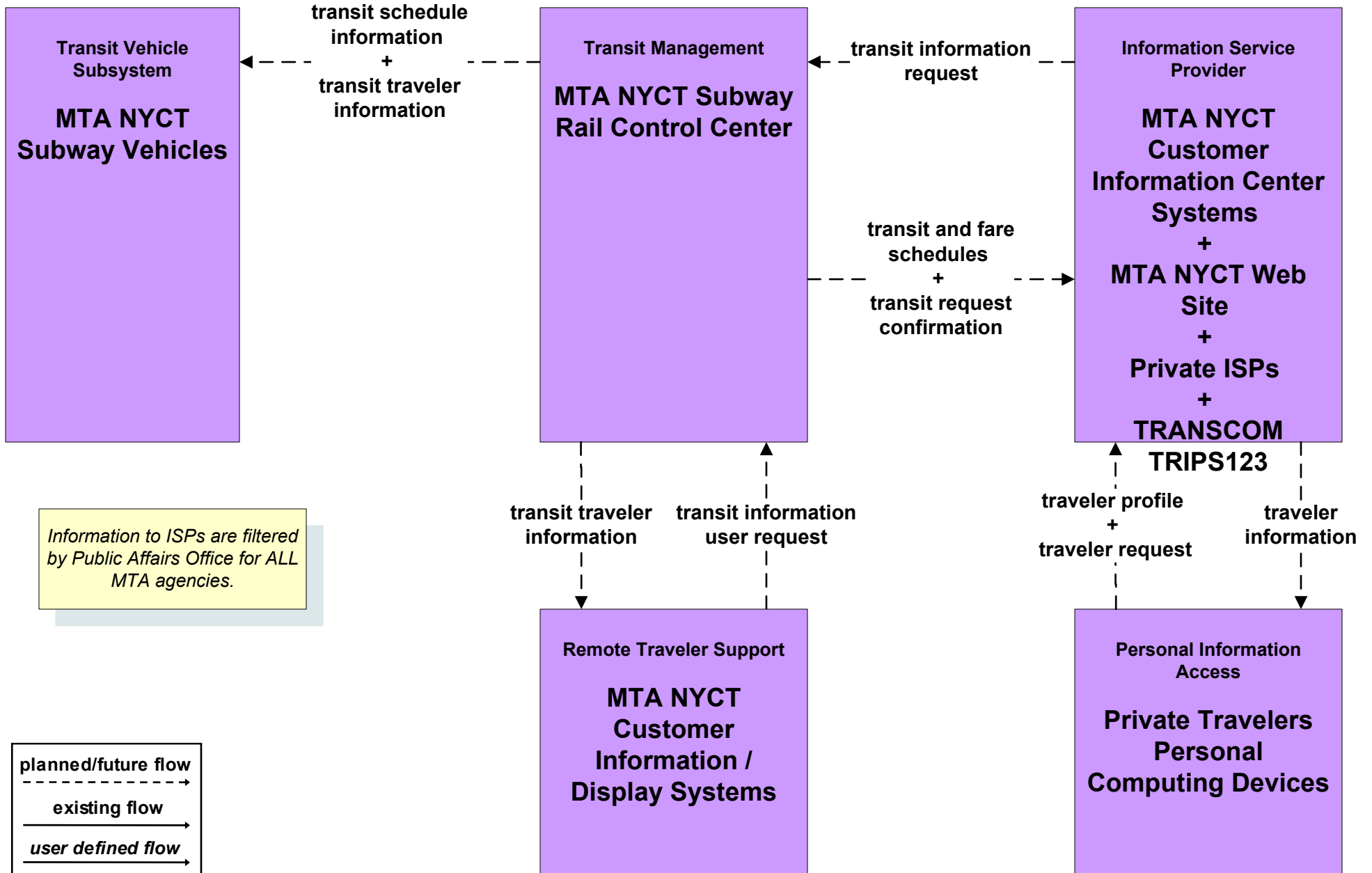
*Information to ISPs are filtered by Public Affairs Office for ALL MTA agencies.*



# APTS8 - Transit Traveler Information MTA NYC Transit Bus (1 of 2)

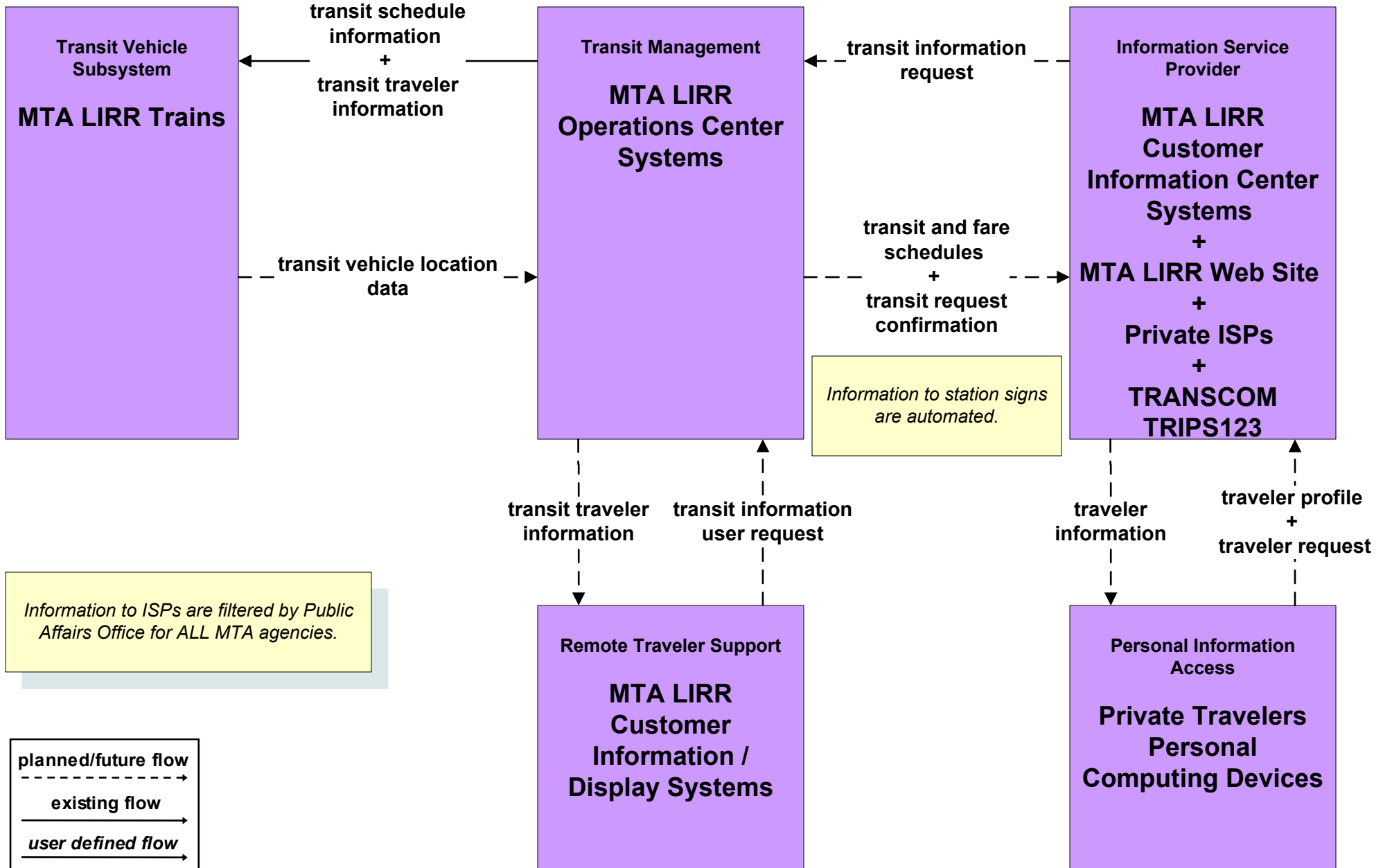


# APTS8 - Transit Traveler Information MTA NYC Transit Subway

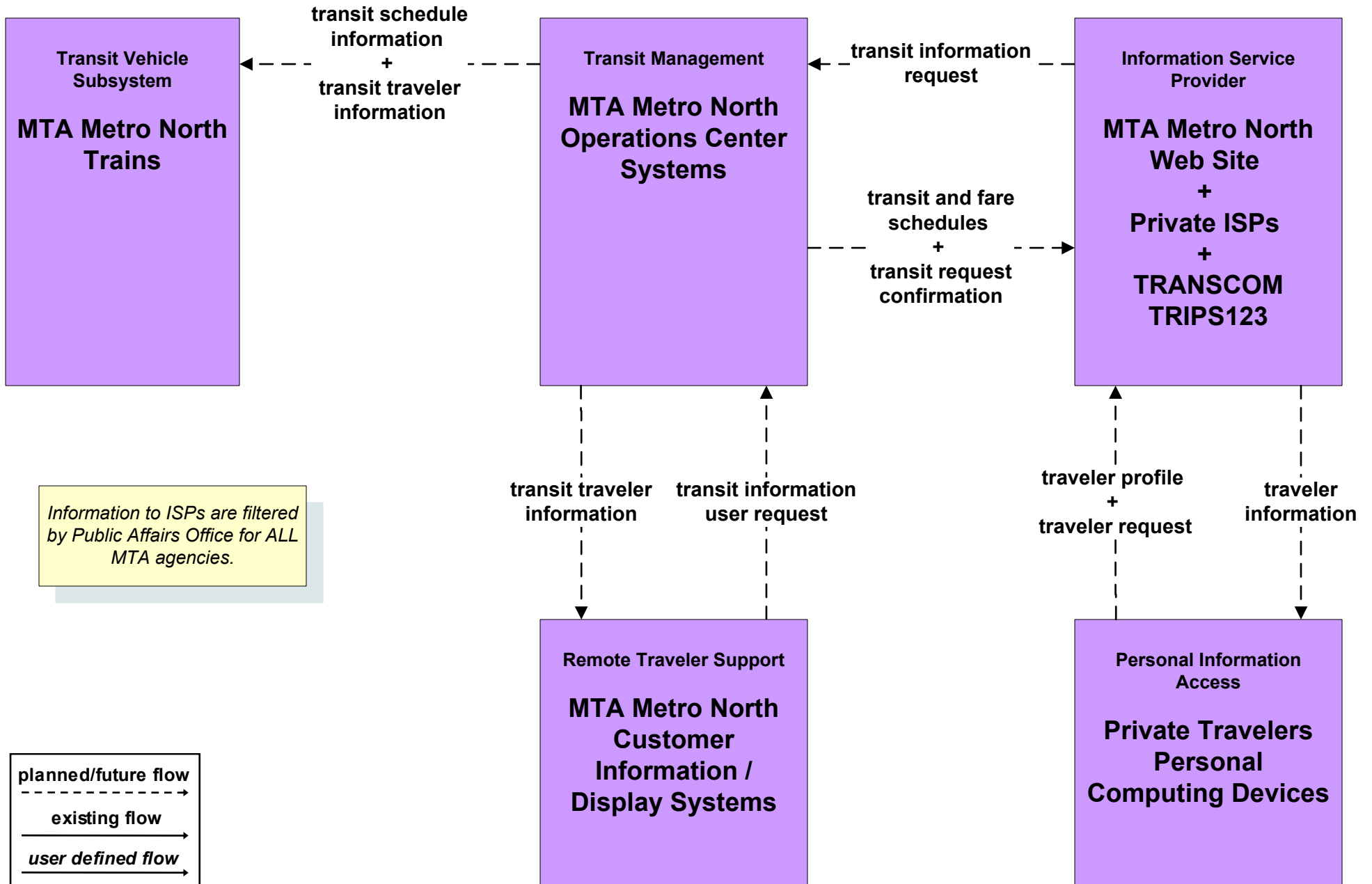




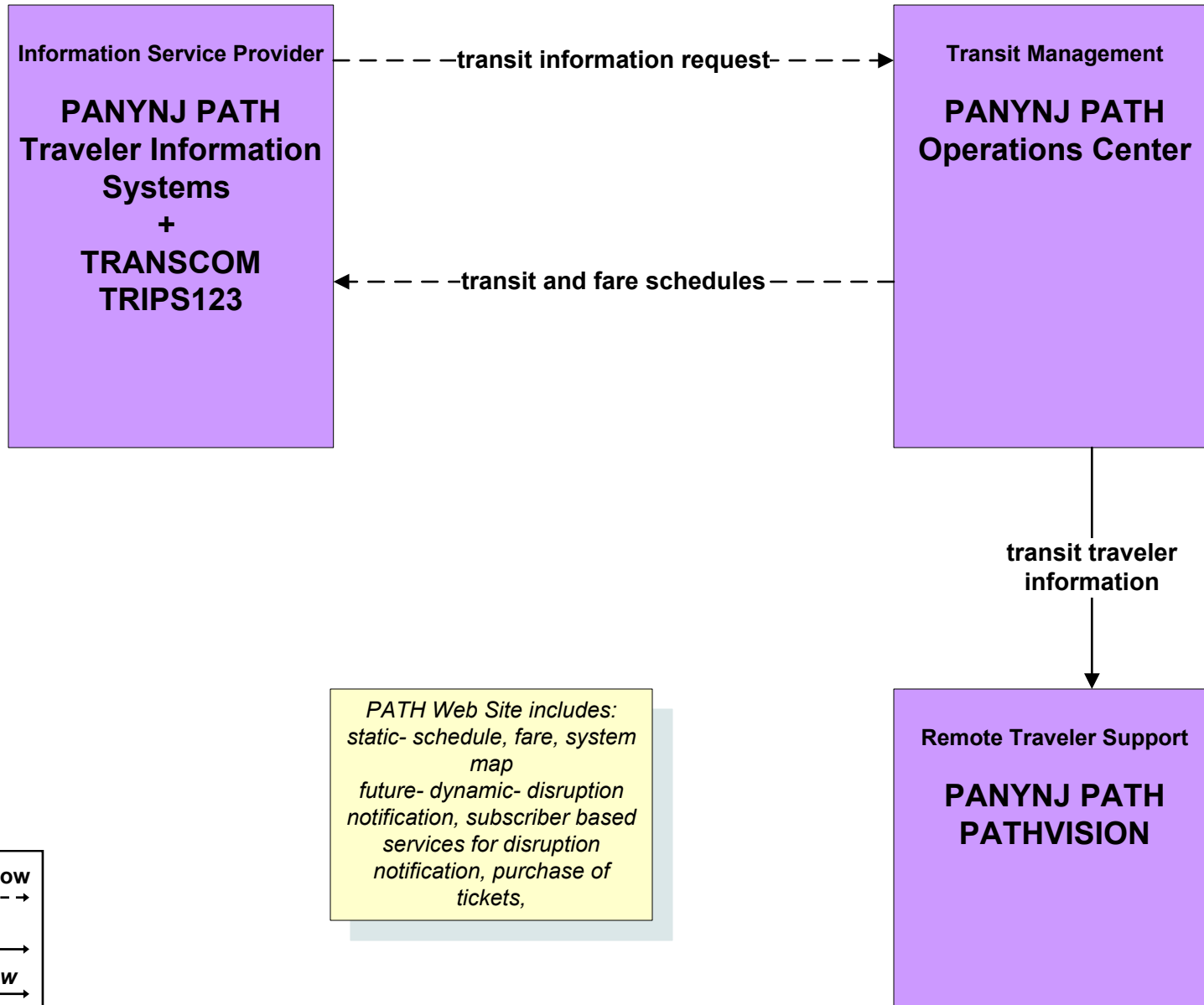
# APTS8 - Transit Traveler Information MTA Long Island Rail Road



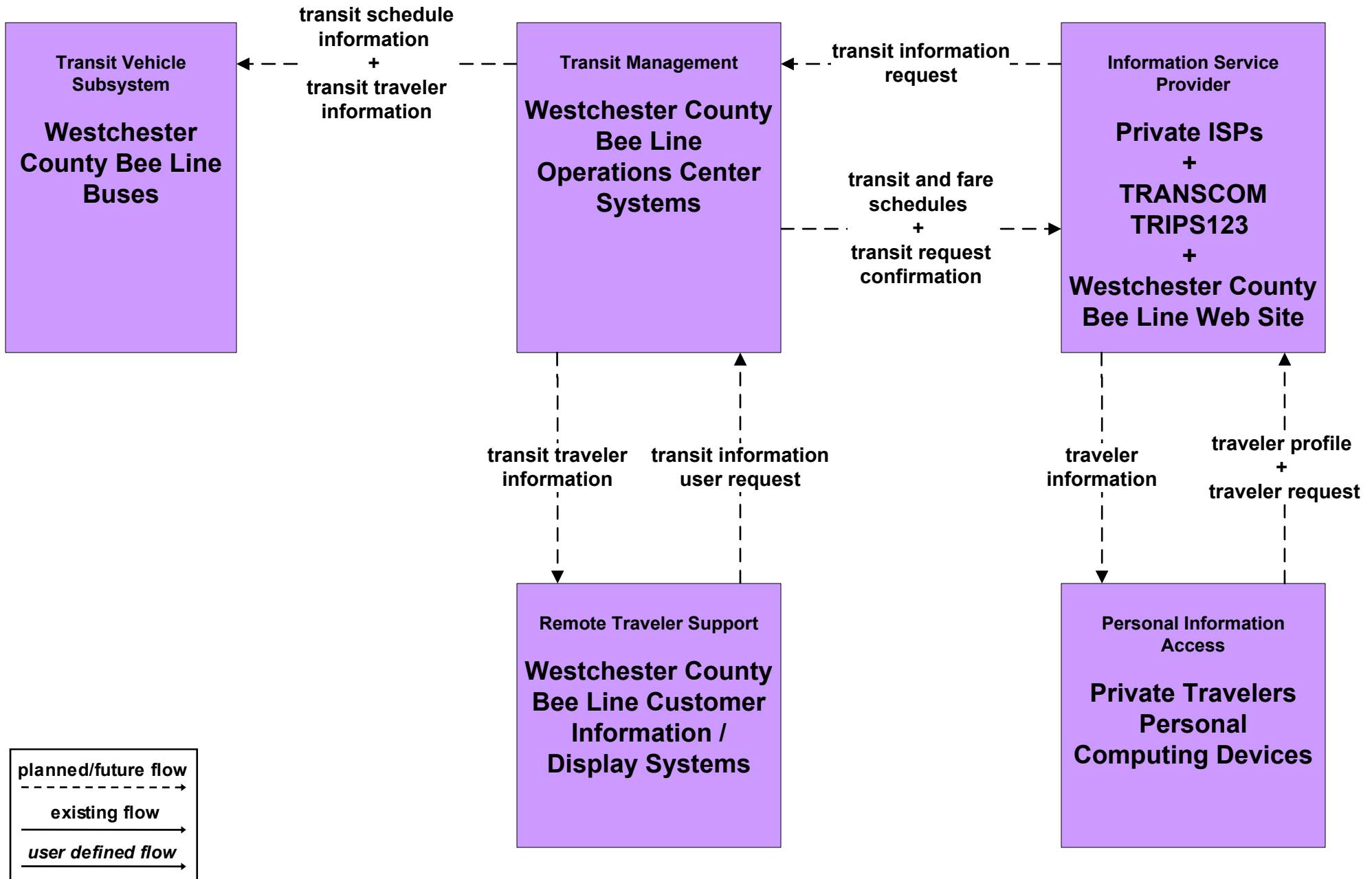
# APTS8 - Transit Traveler Information MTA Metro North Railroad



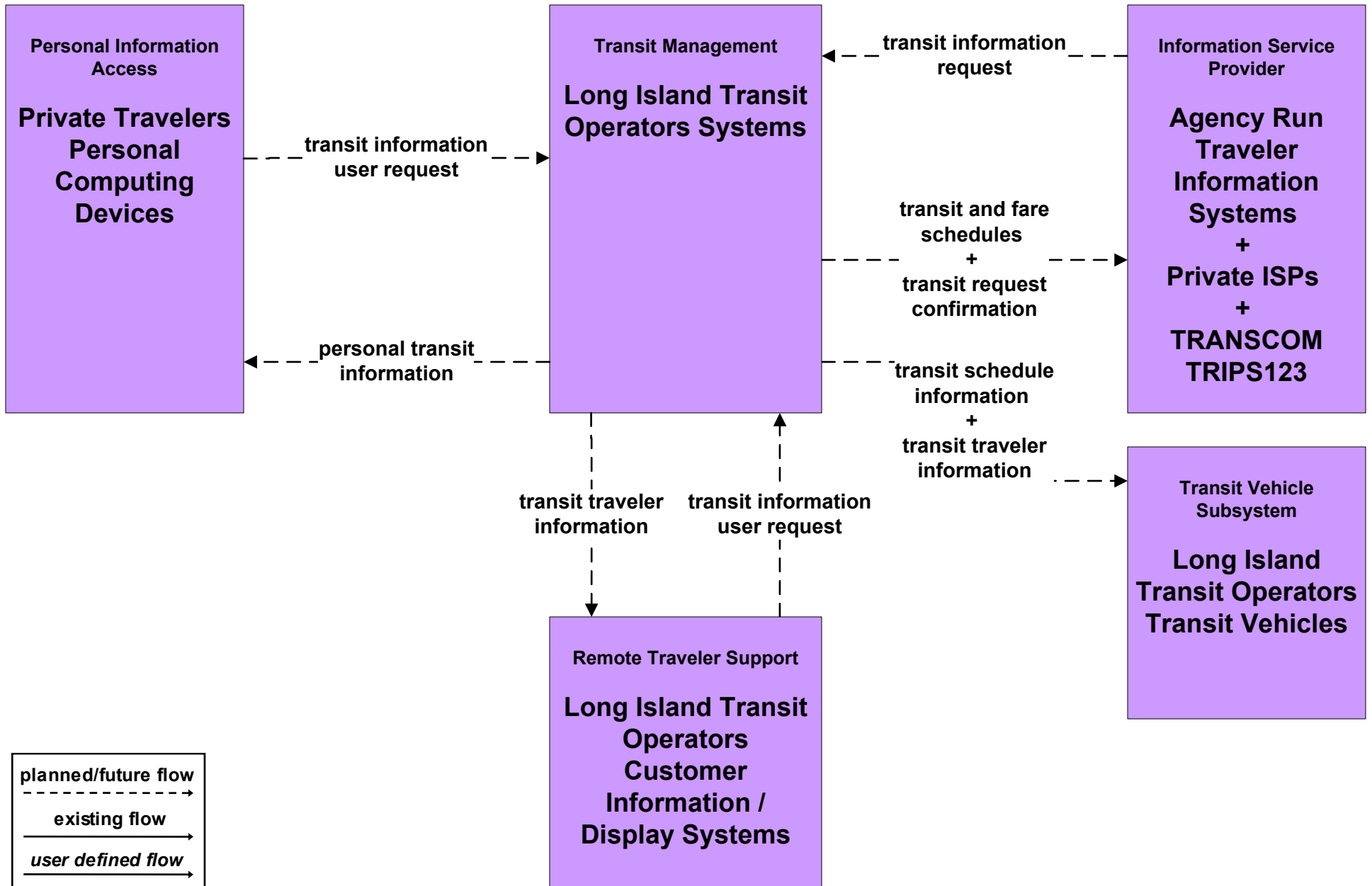
# APTS8 - Transit Traveler Information PANYNJ PATH Terminals/Stations



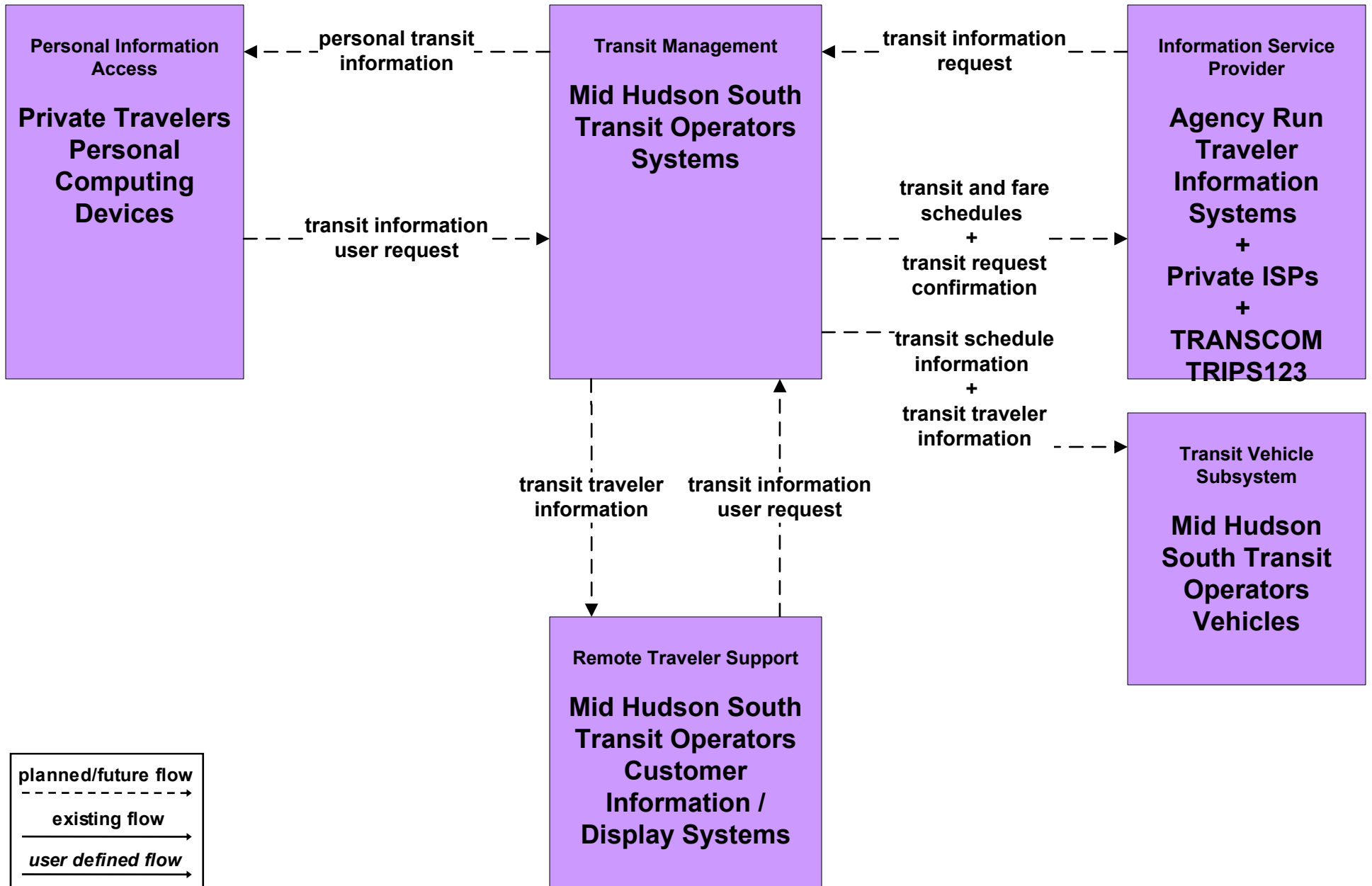
# APTS8 - Transit Traveler Information Westchester County Bee Line



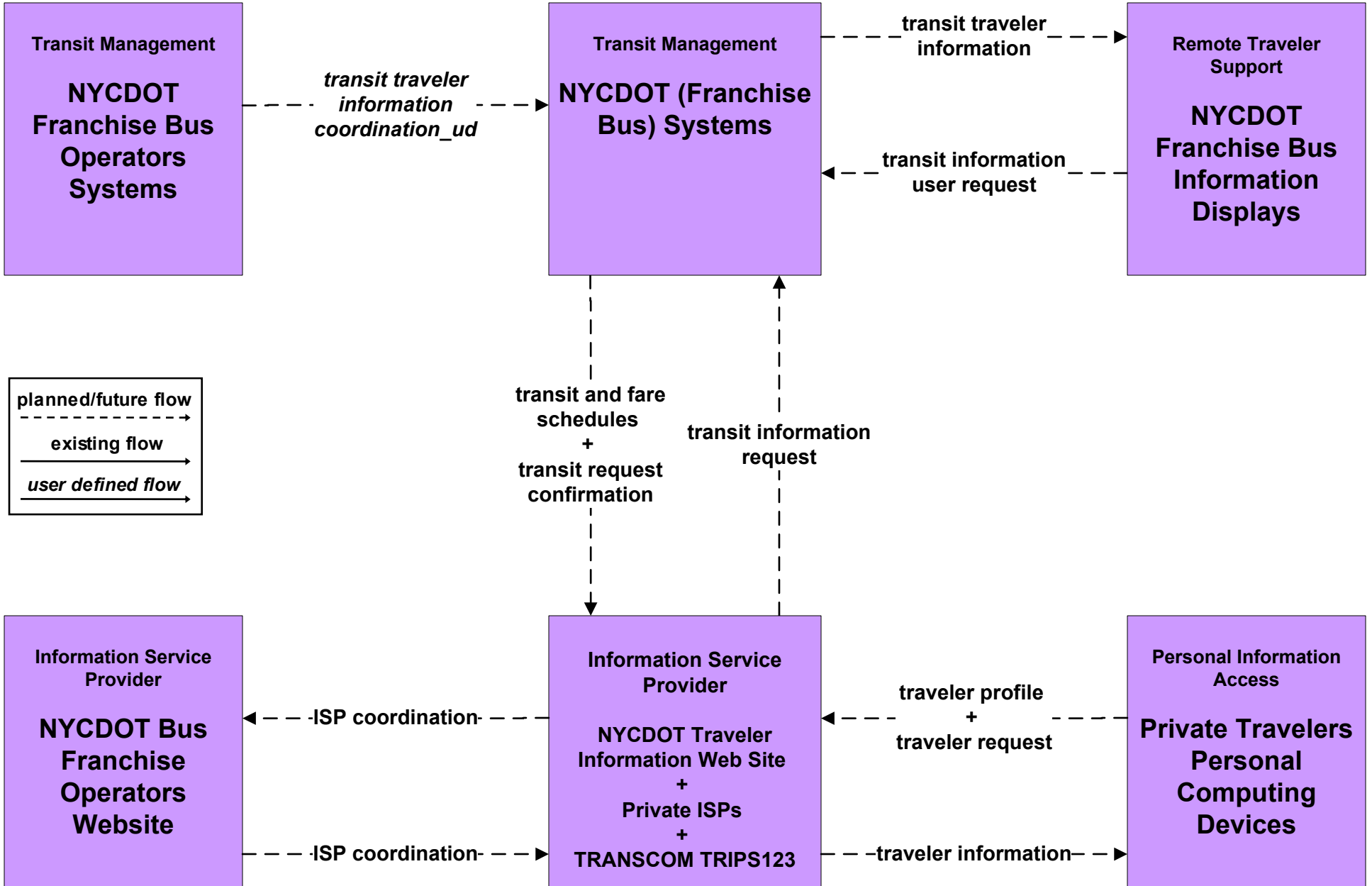
# APTS8 - Transit Traveler Information Long Island Transit Operators



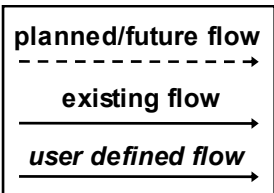
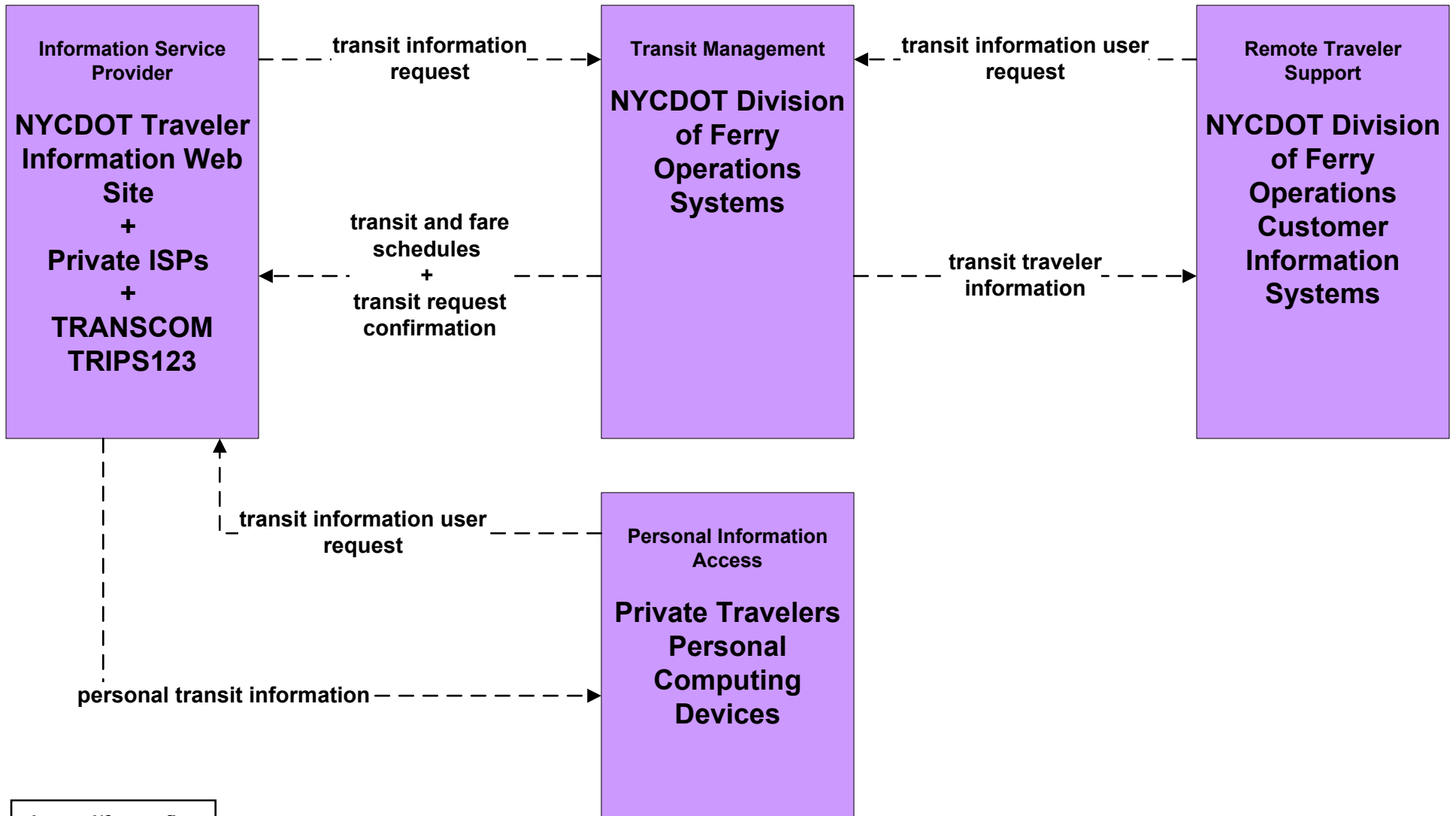
# APTS8 - Transit Traveler Information Mid Hudson South Transit Operators



# APTS8 - Transit Traveler Information NYCDOT Franchise Bus

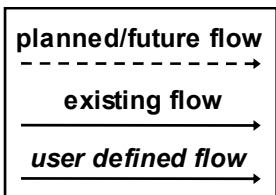
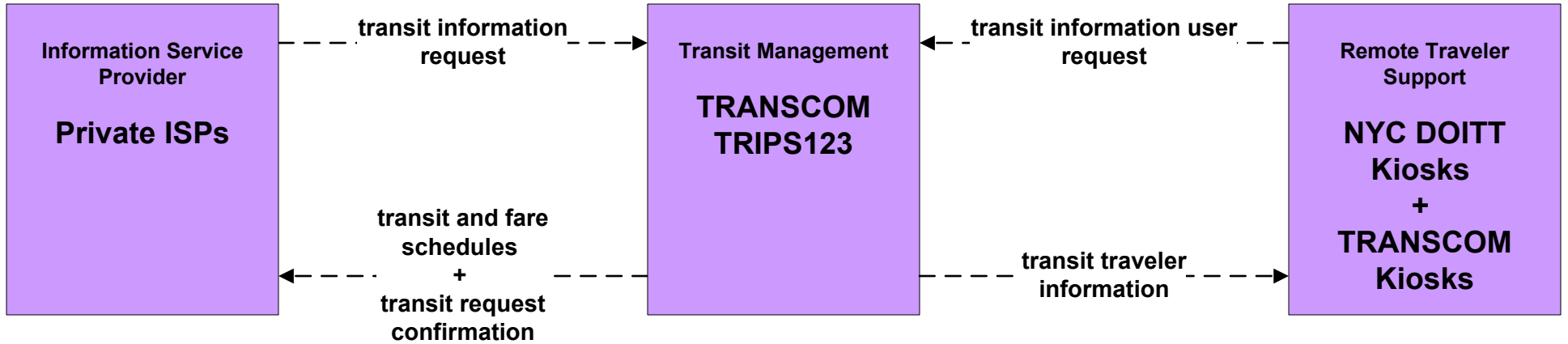


# APTS8 - Transit Traveler Information NYCDOT Ferries and Licensed Ferries

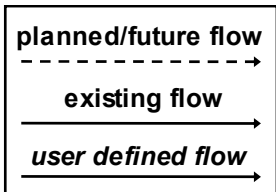
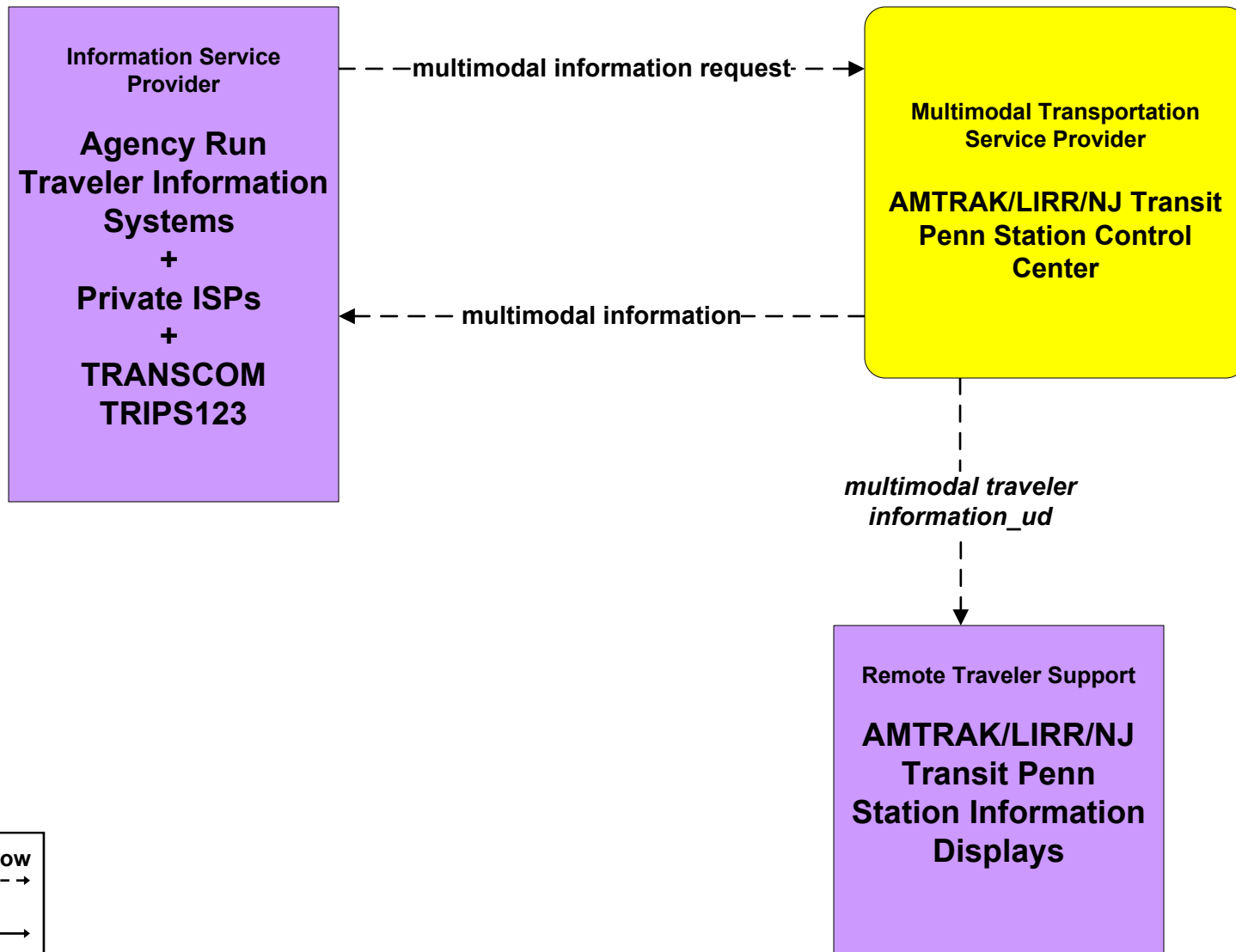




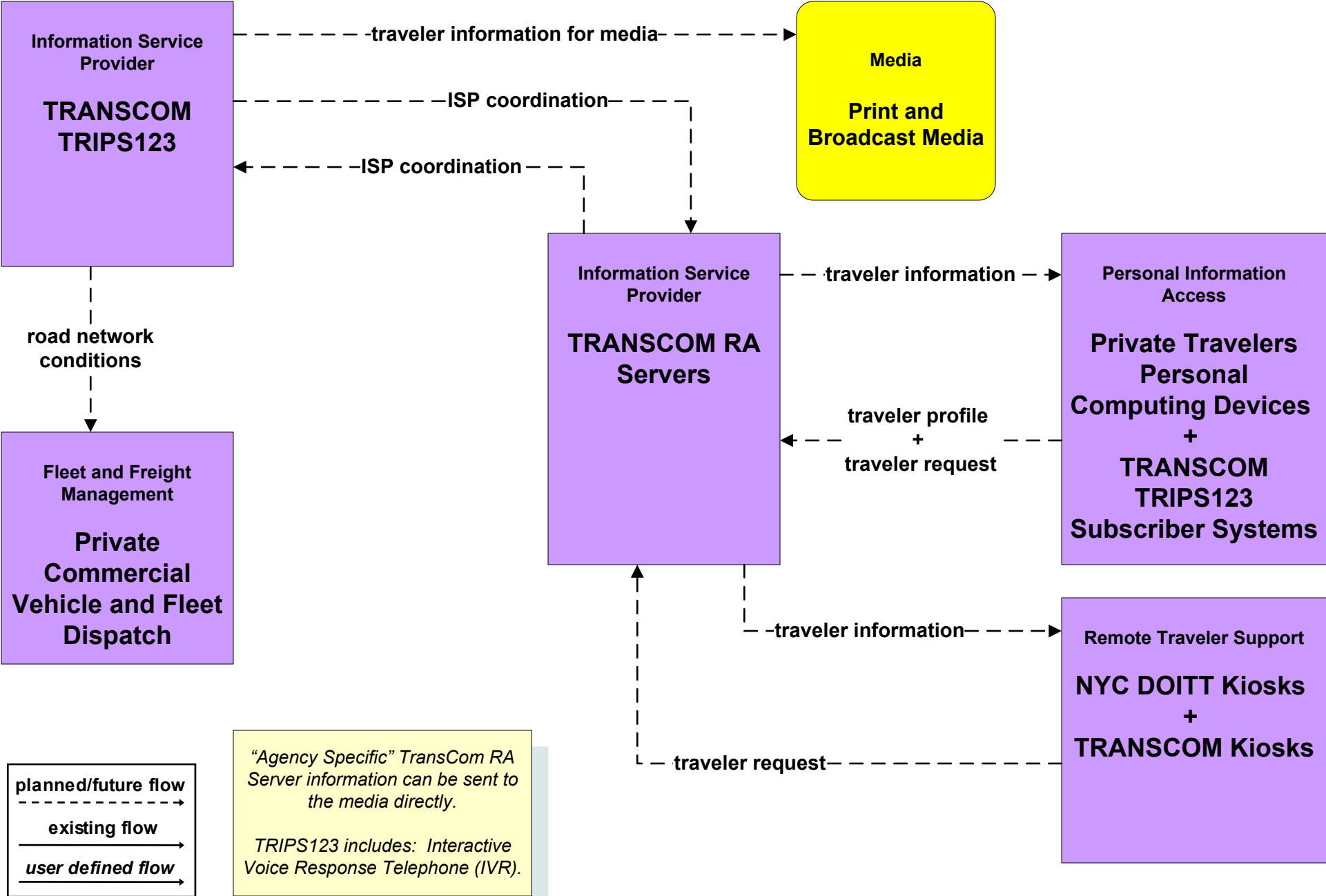
# APTS8 - Transit Traveler Information TRANSCOM



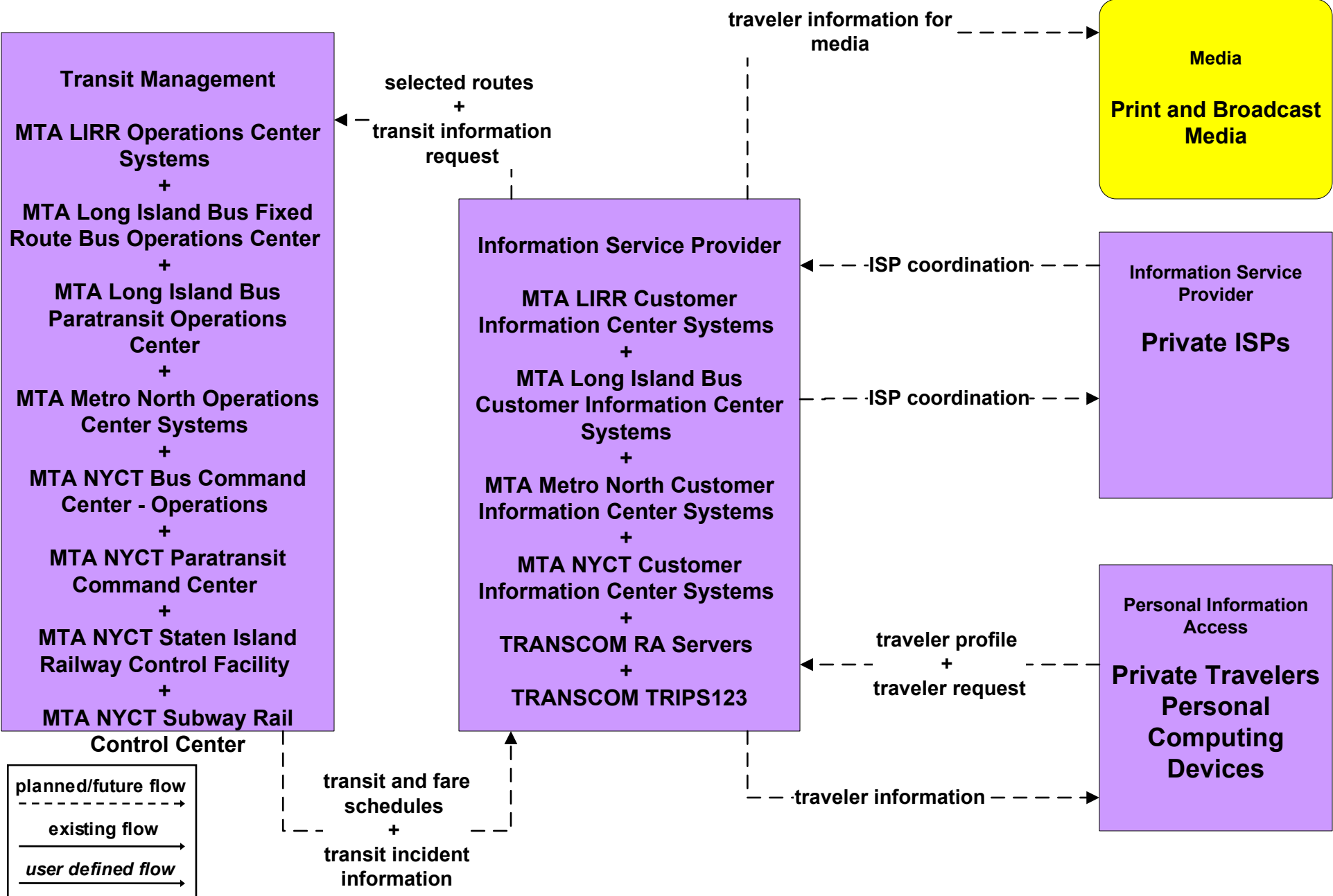
# APTS8 - Transit Traveler Information Pennsylvania Station



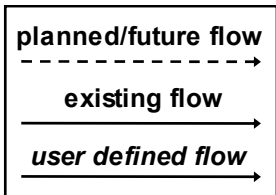
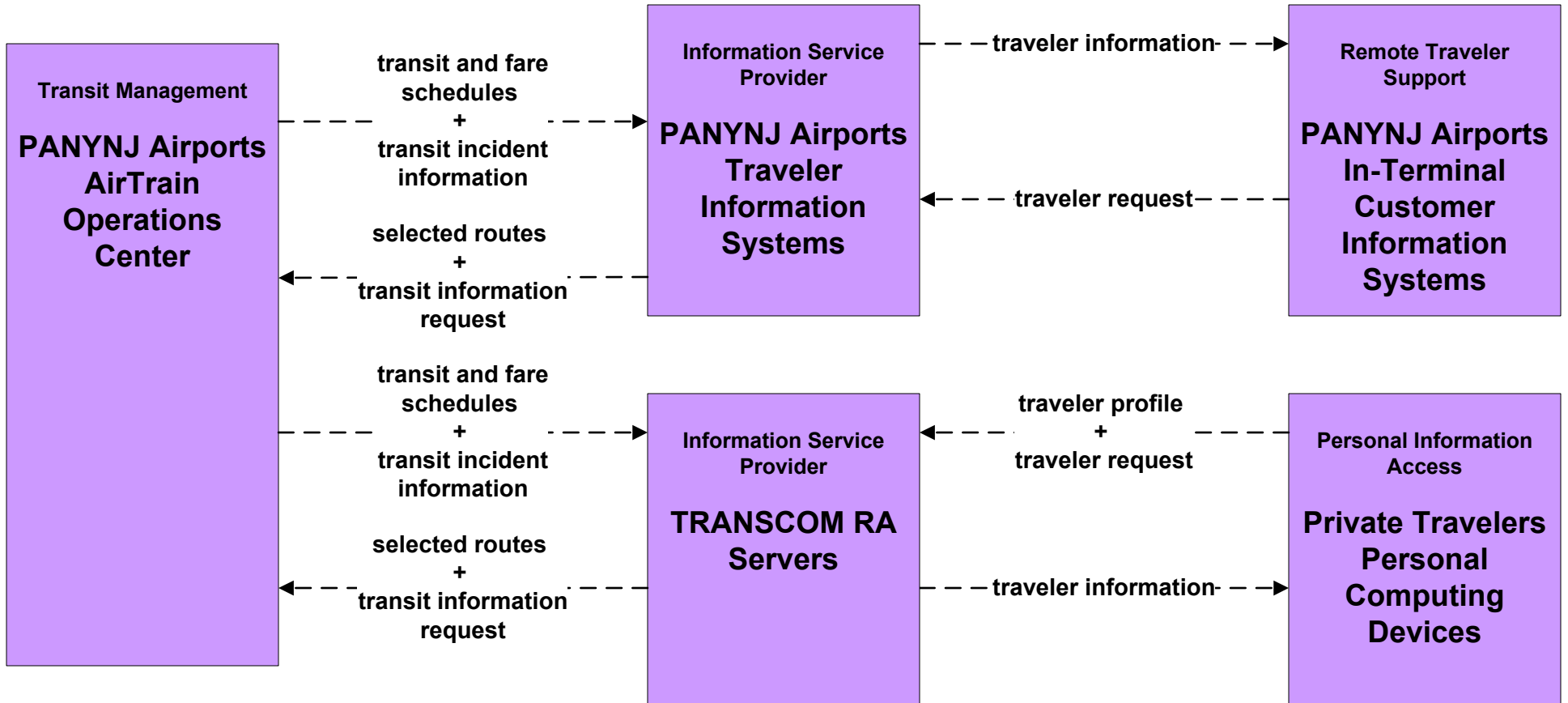
# ATIS2 - Interactive Traveler Information TRIPS123



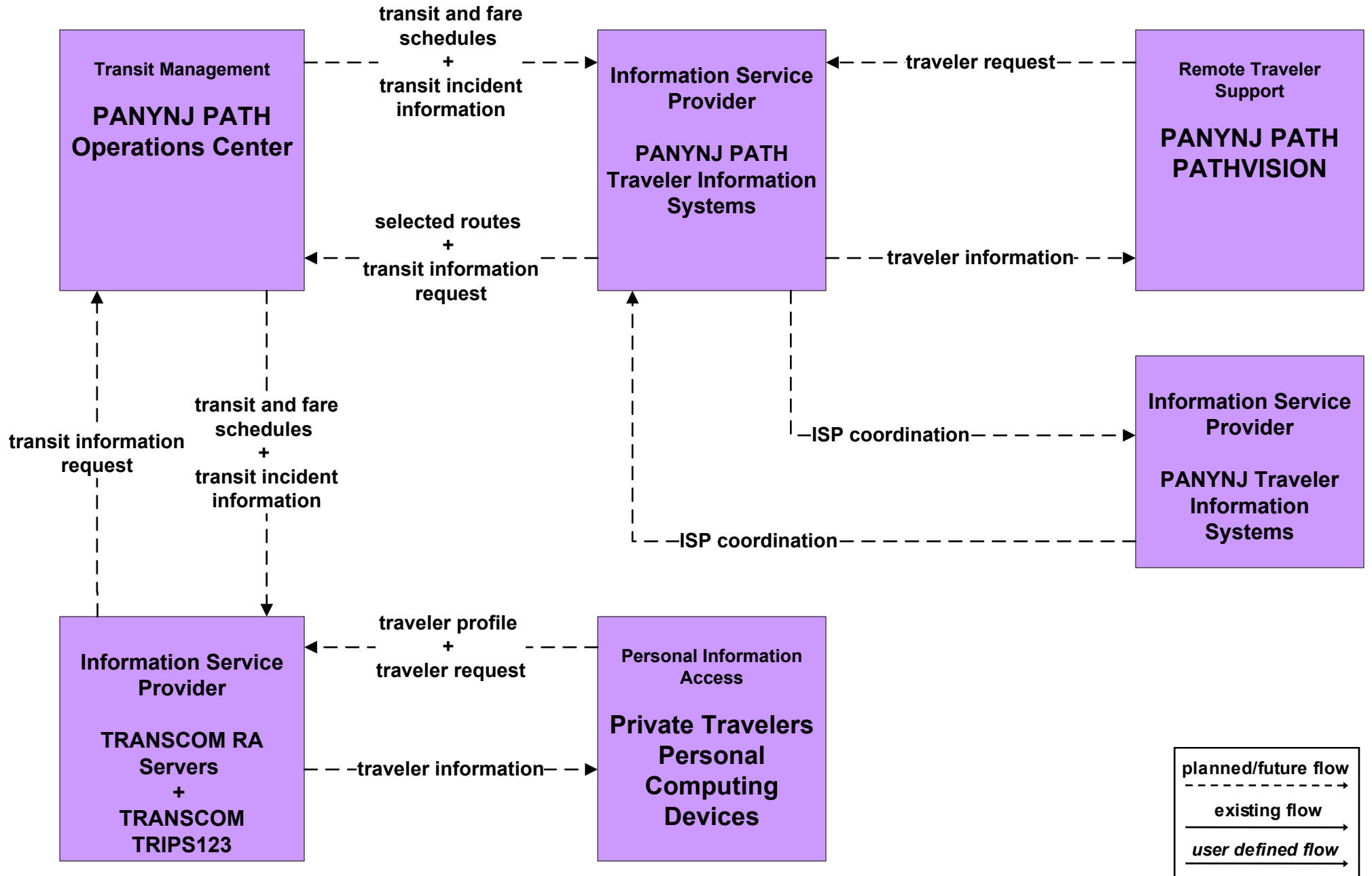
# ATIS2 - Interactive Traveler Information MTA Traveler Information Systems



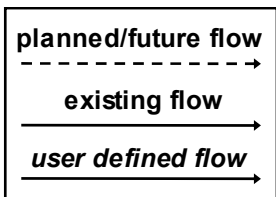
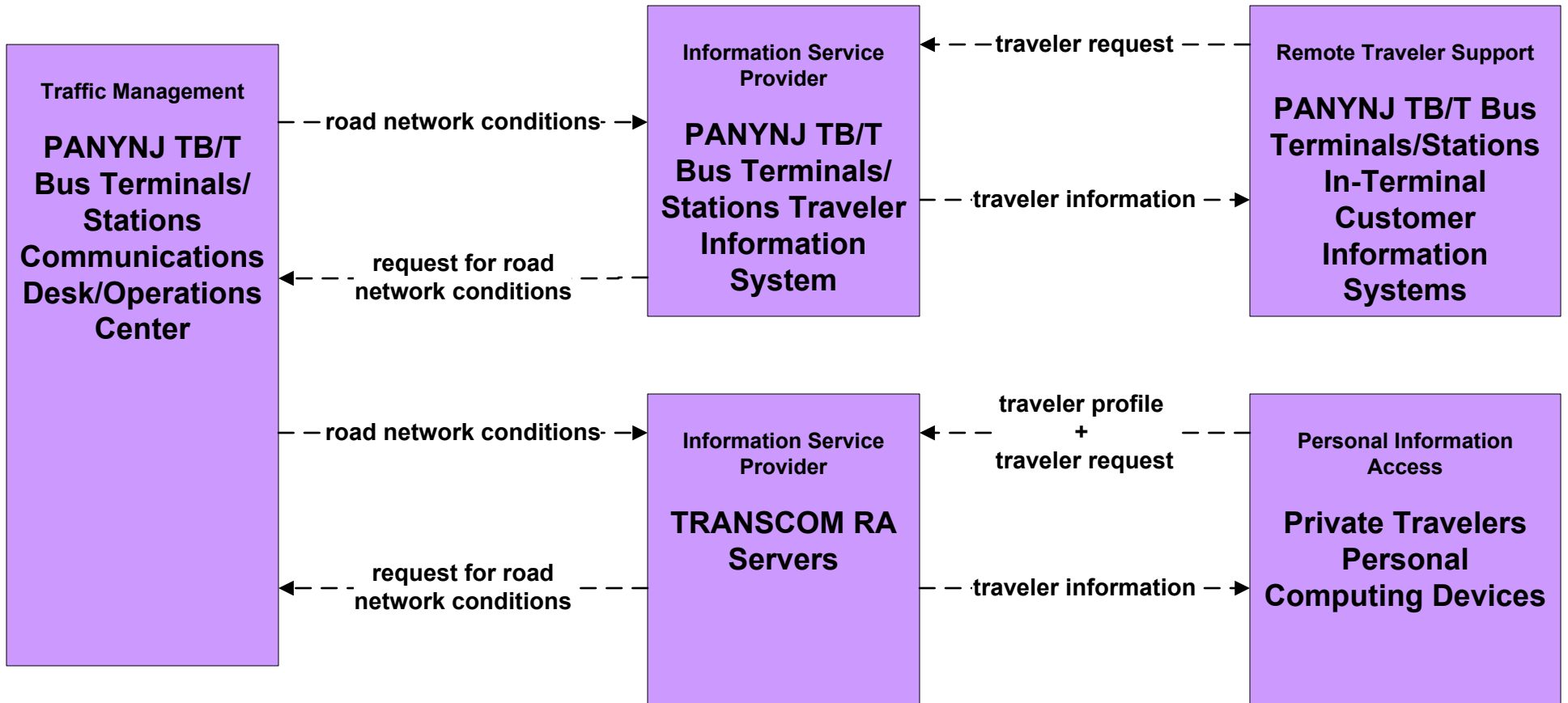
# ATIS2 - Interactive Traveler Information PANYNJ AirTrain Traveler Information Systems



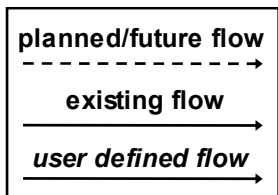
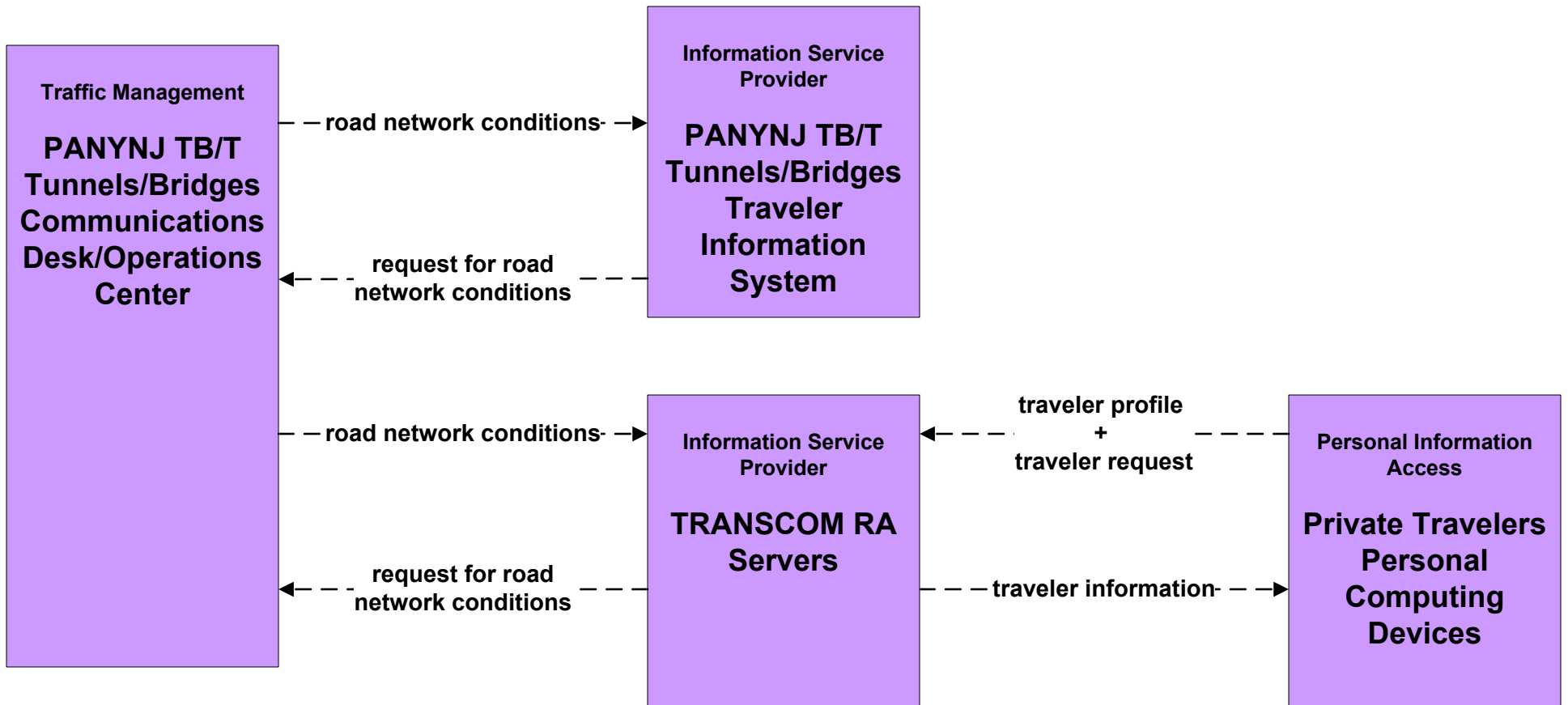
# ATIS2 - Interactive Traveler Information PANYNJ PATH Traveler Information Systems



**ATIS2 - Interactive Traveler Information  
 PANYNJ Bus Terminals/Stations Traveler Information Systems**

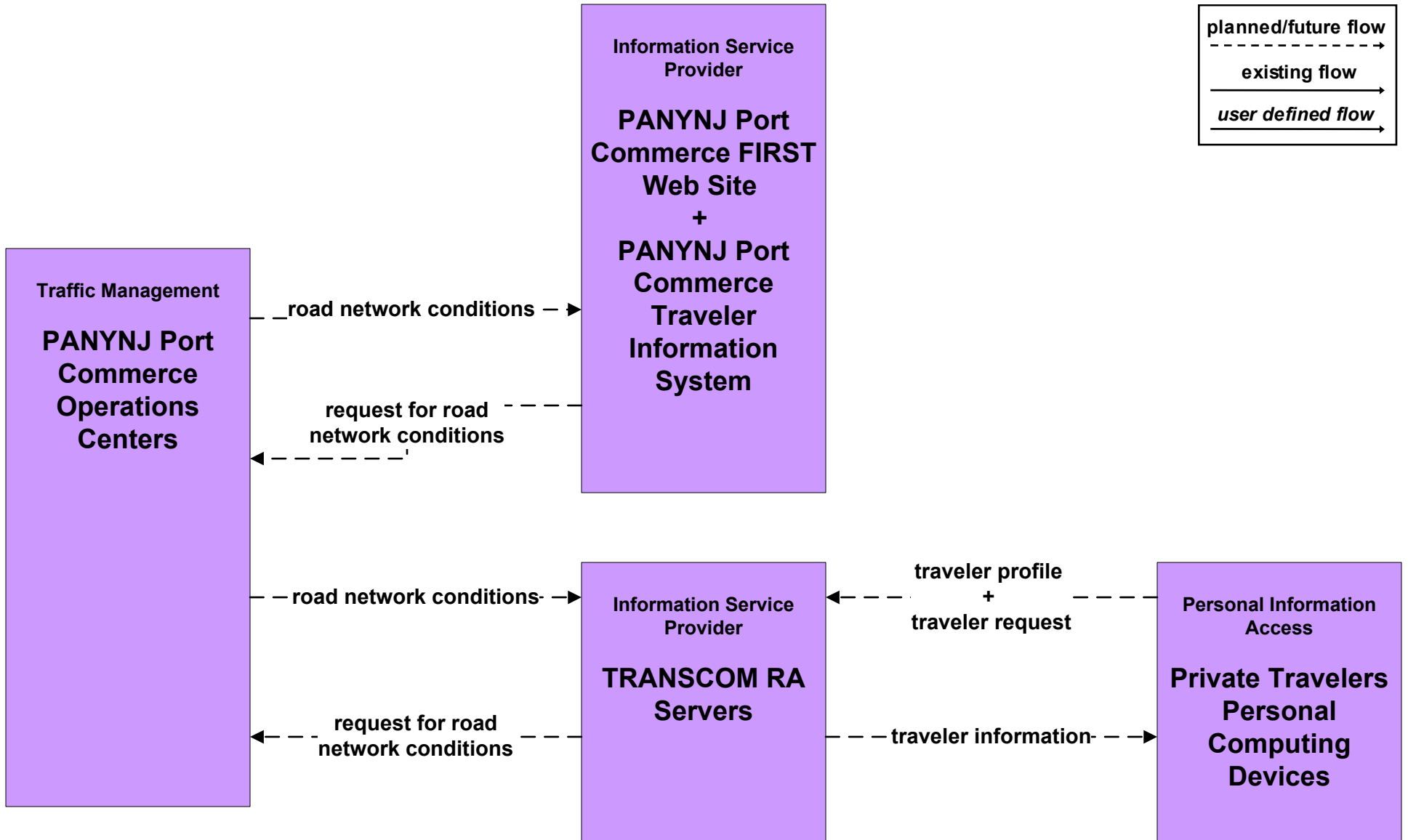


**ATIS2 - Interactive Traveler Information  
 PANYNJ Tunnels/Bridges Traveler Information Systems**

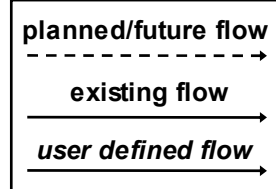
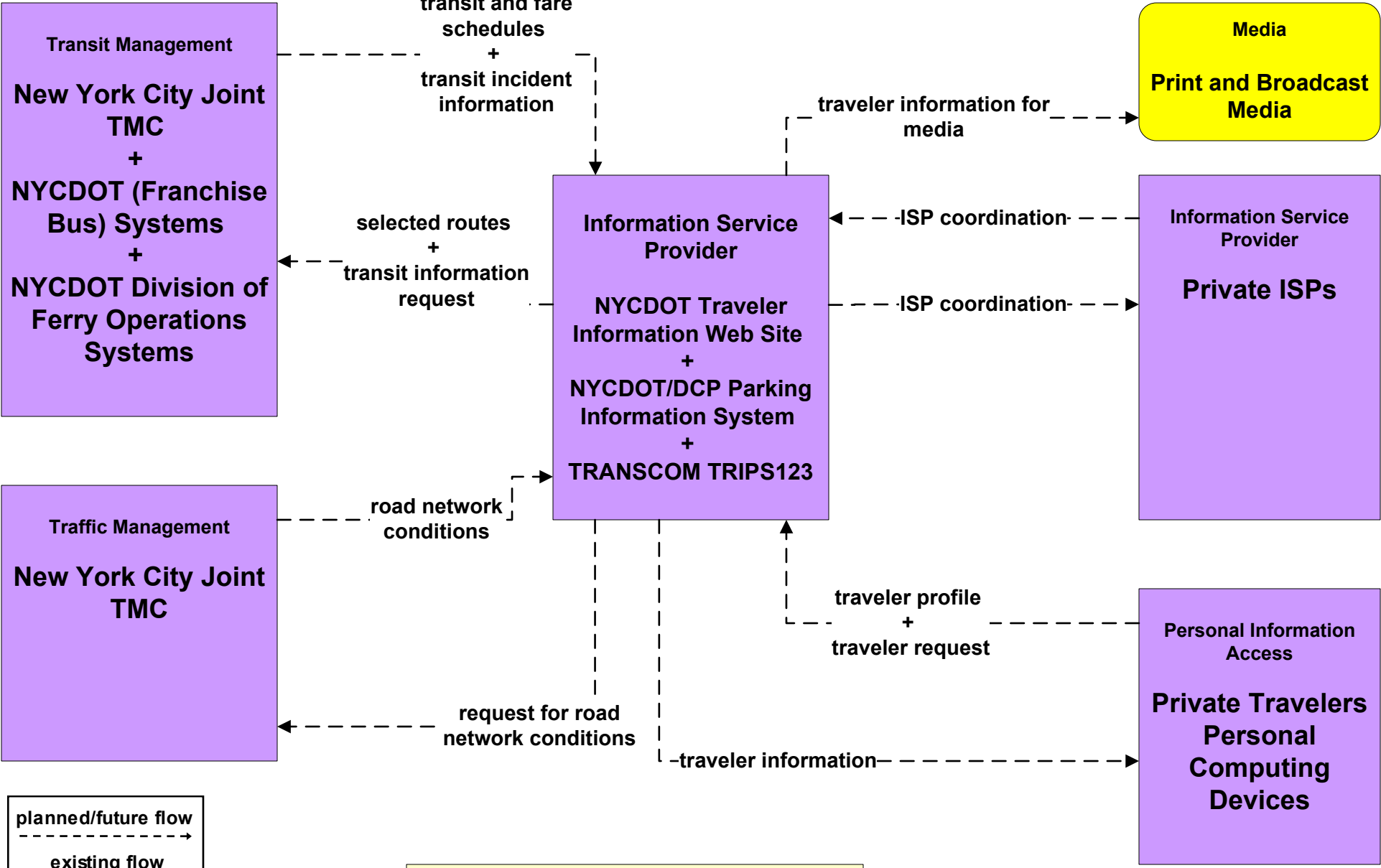




# ATIS2 - Interactive Traveler Information PANYNJ Port Commerce Traveler Information Systems



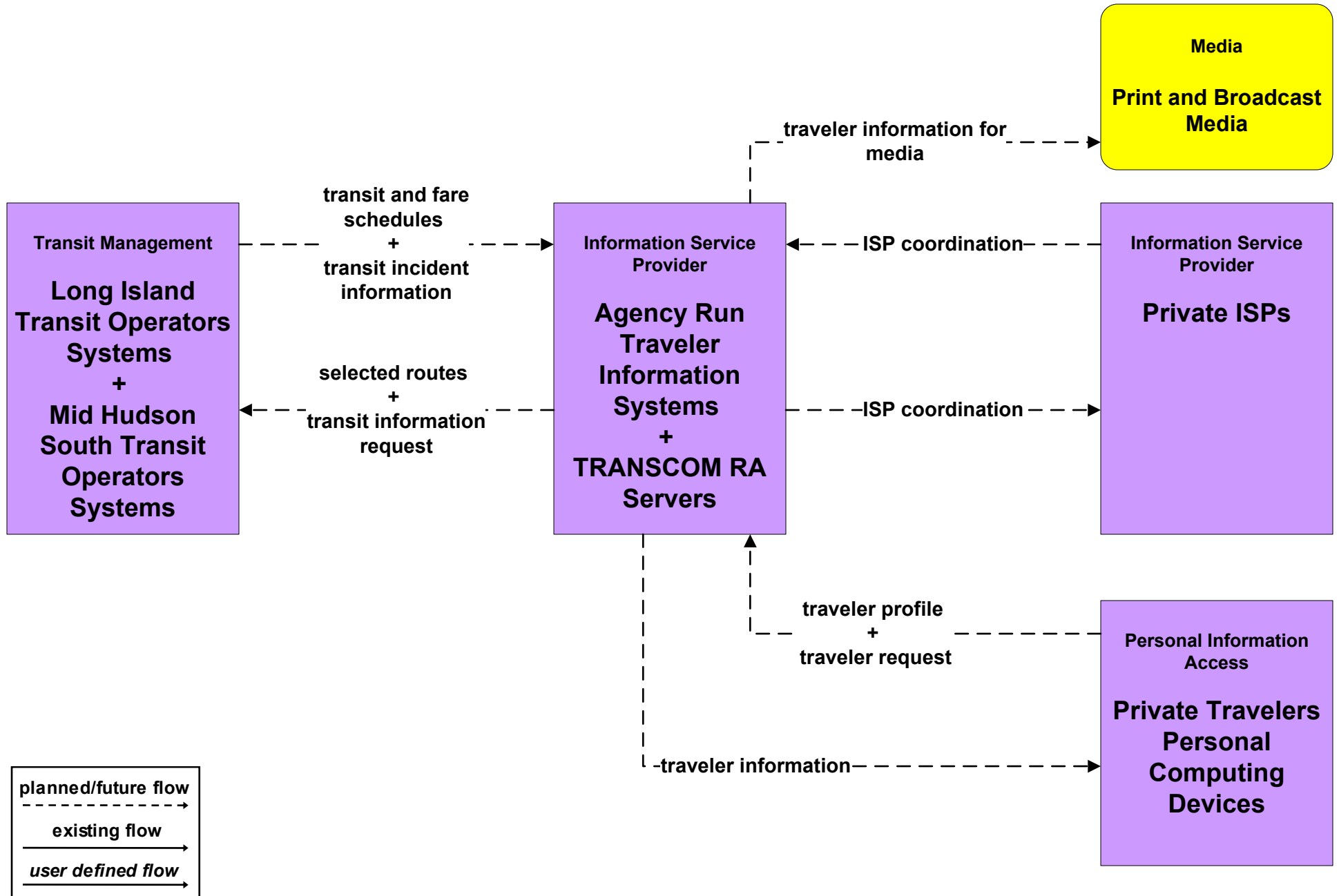
# ATIS2 - Interactive Traveler Information NYCDOT Traveler Information Systems



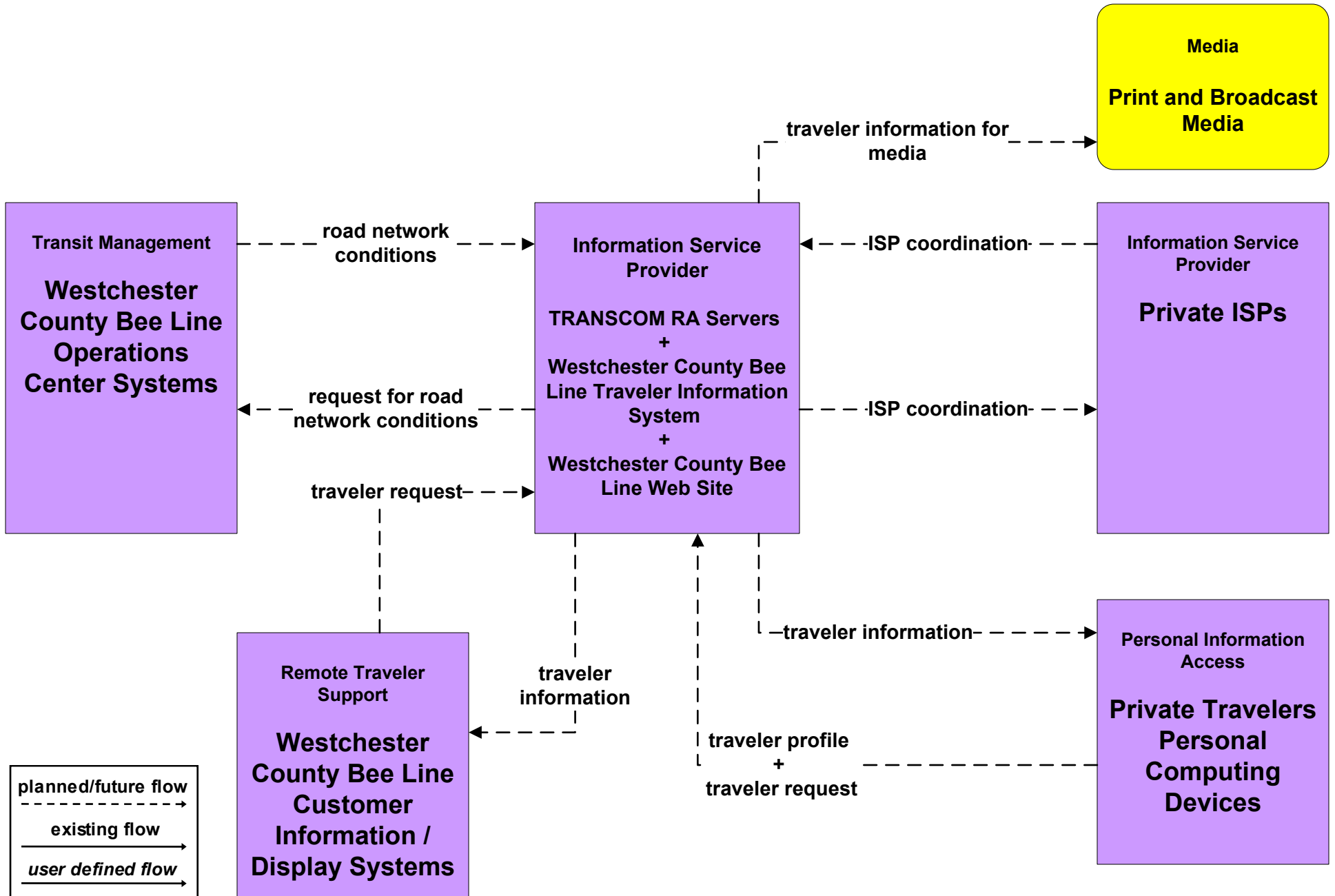
*Agency Run Traveler Information Systems include  
Interactive Voice Response Telephone*

# ATIS2 - Interactive Traveler Information

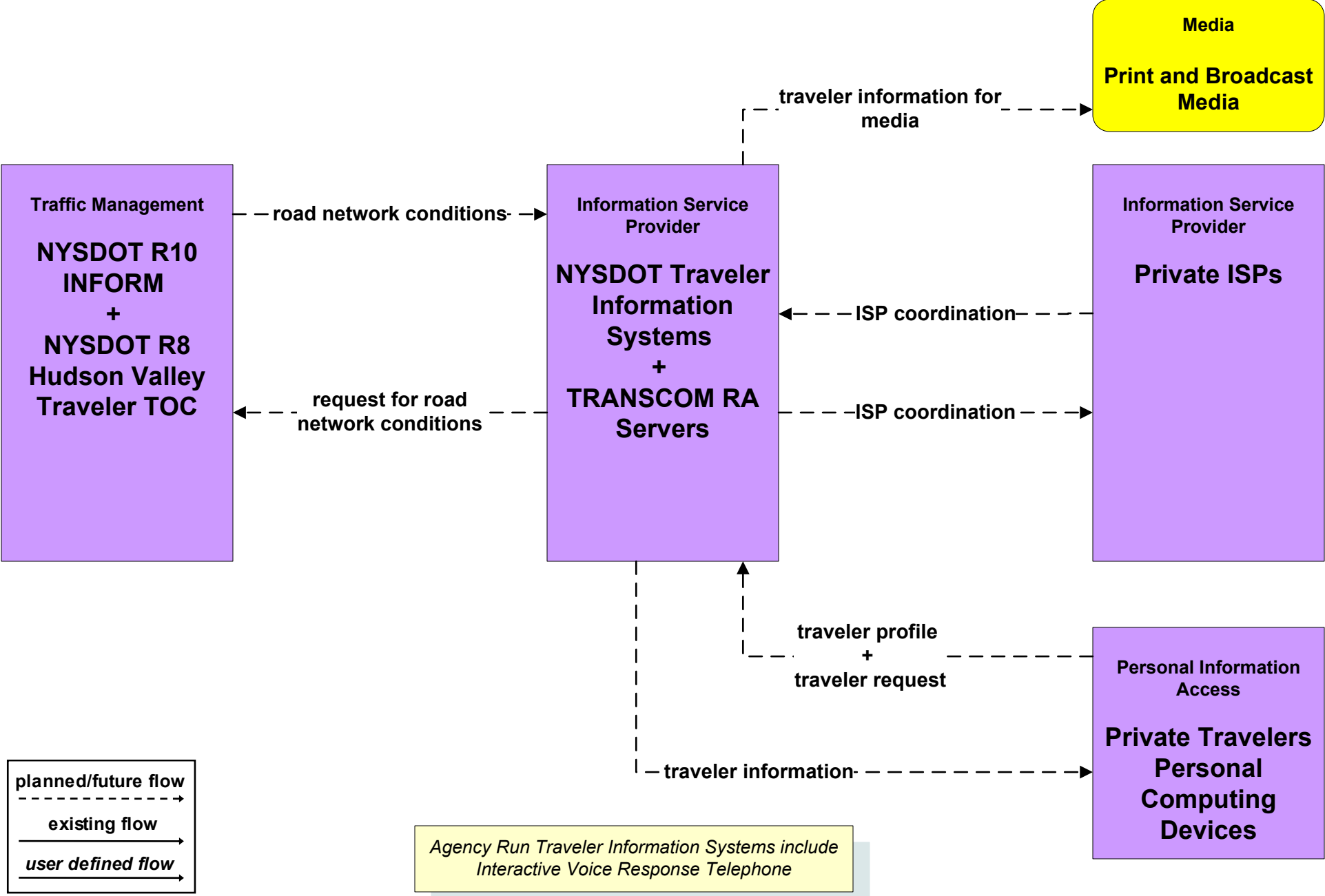
## Long Island / Mid Hudson South Transit Operators Traveler Information Systems



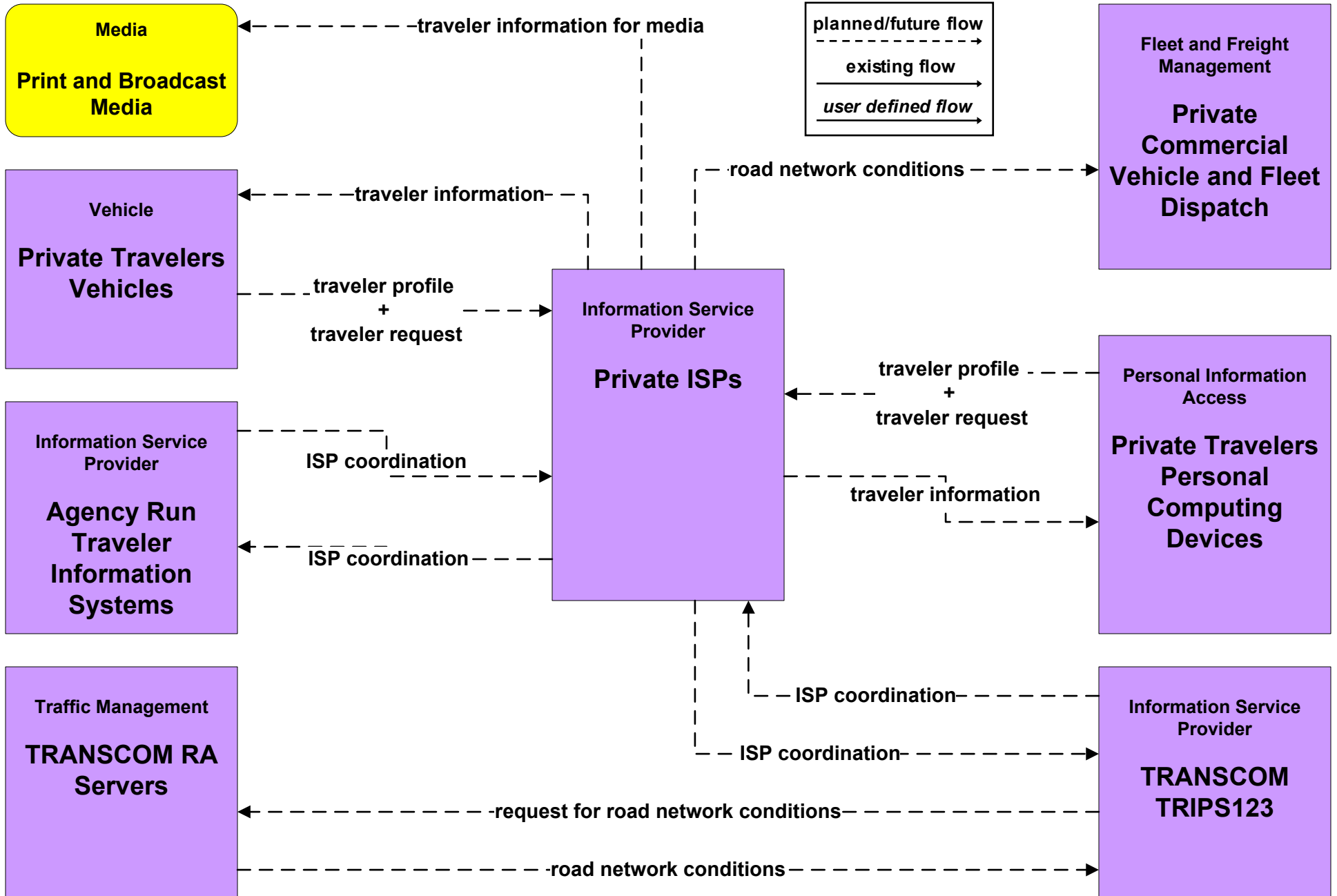
# ATIS2 - Interactive Traveler Information Westchester County Bee Line Traveler Information Systems



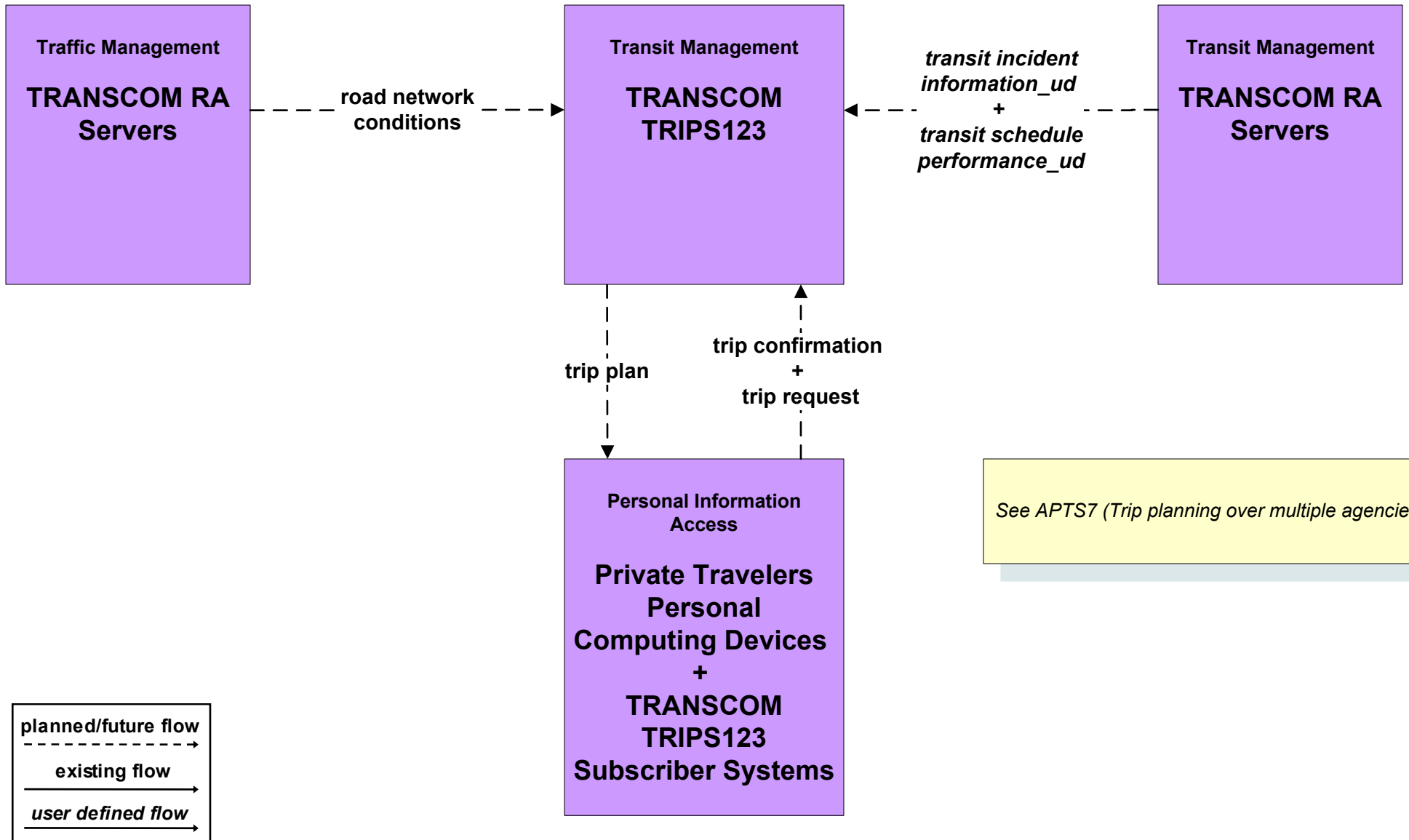
**ATIS2 - Interactive Traveler Information  
 NYSDOT Traveler Information Systems**



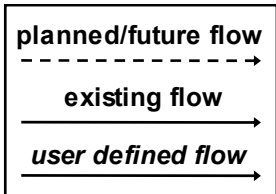
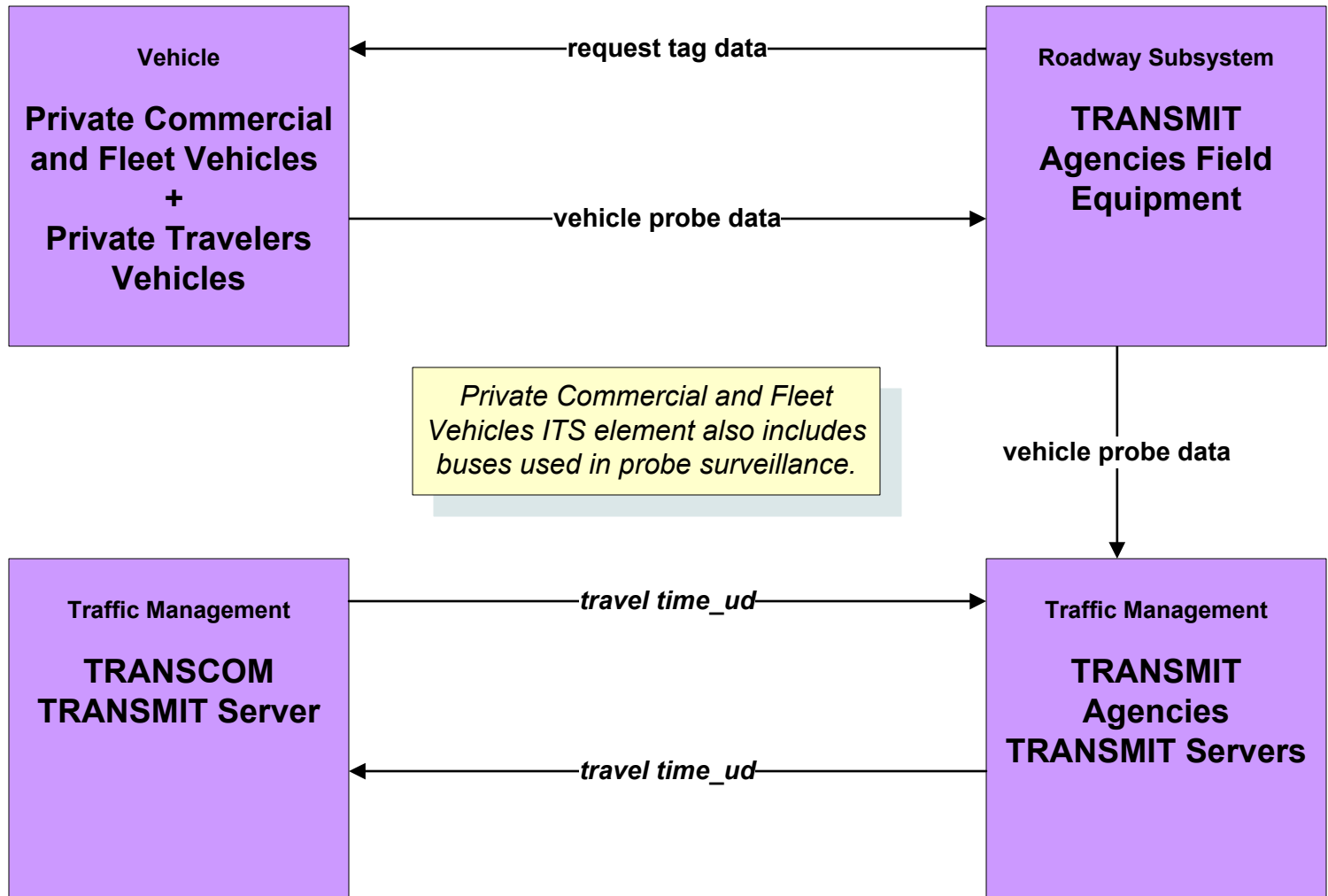
# ATIS2 - Broadcast Traveler Information Private ISPs



**ATIS5 - ISP Based Route Guidance  
TRIPS123 - Transit Advisor**

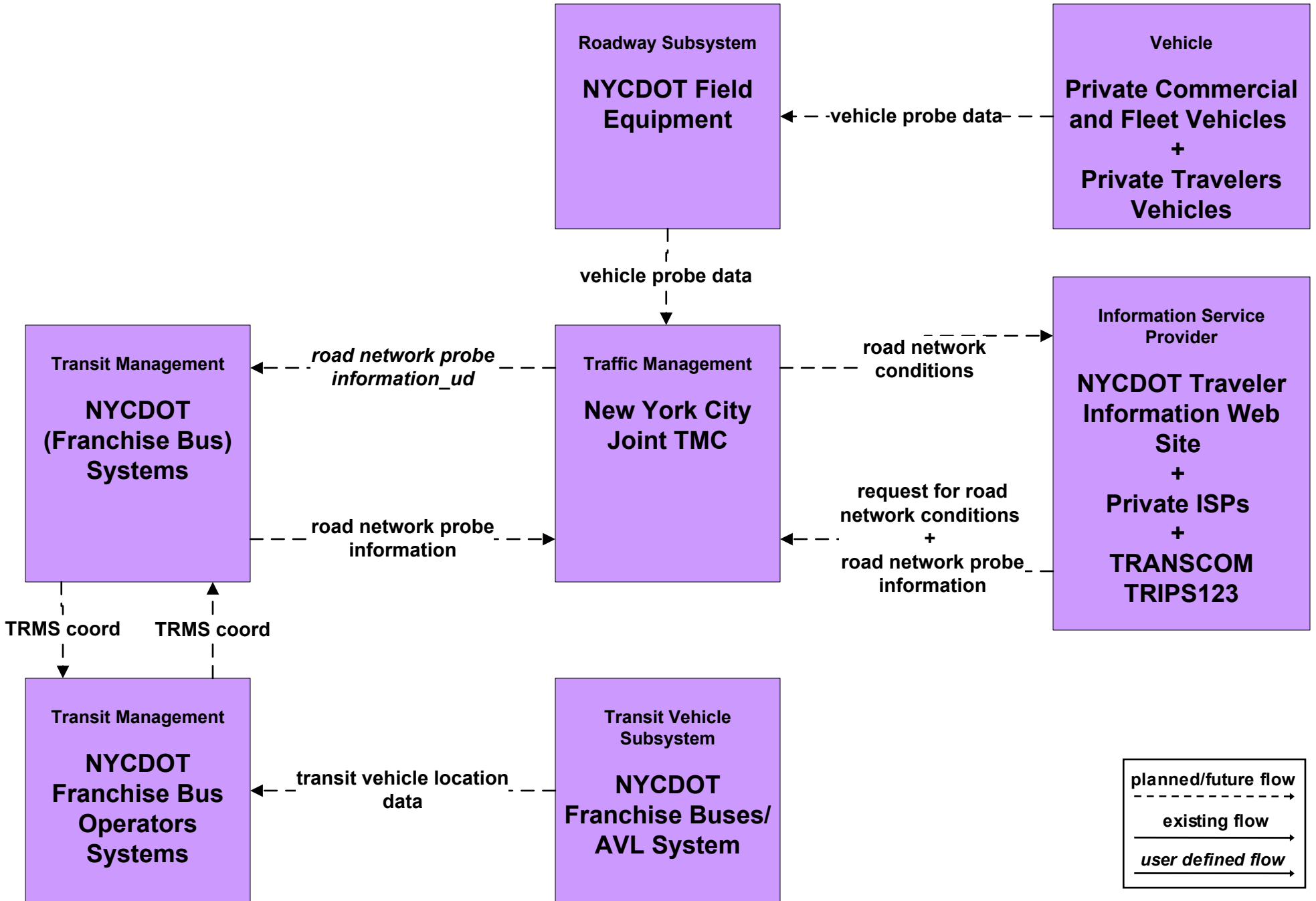


**ATMS02 - Probe Surveillance  
TRANSMIT**

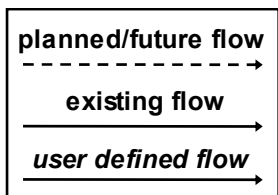
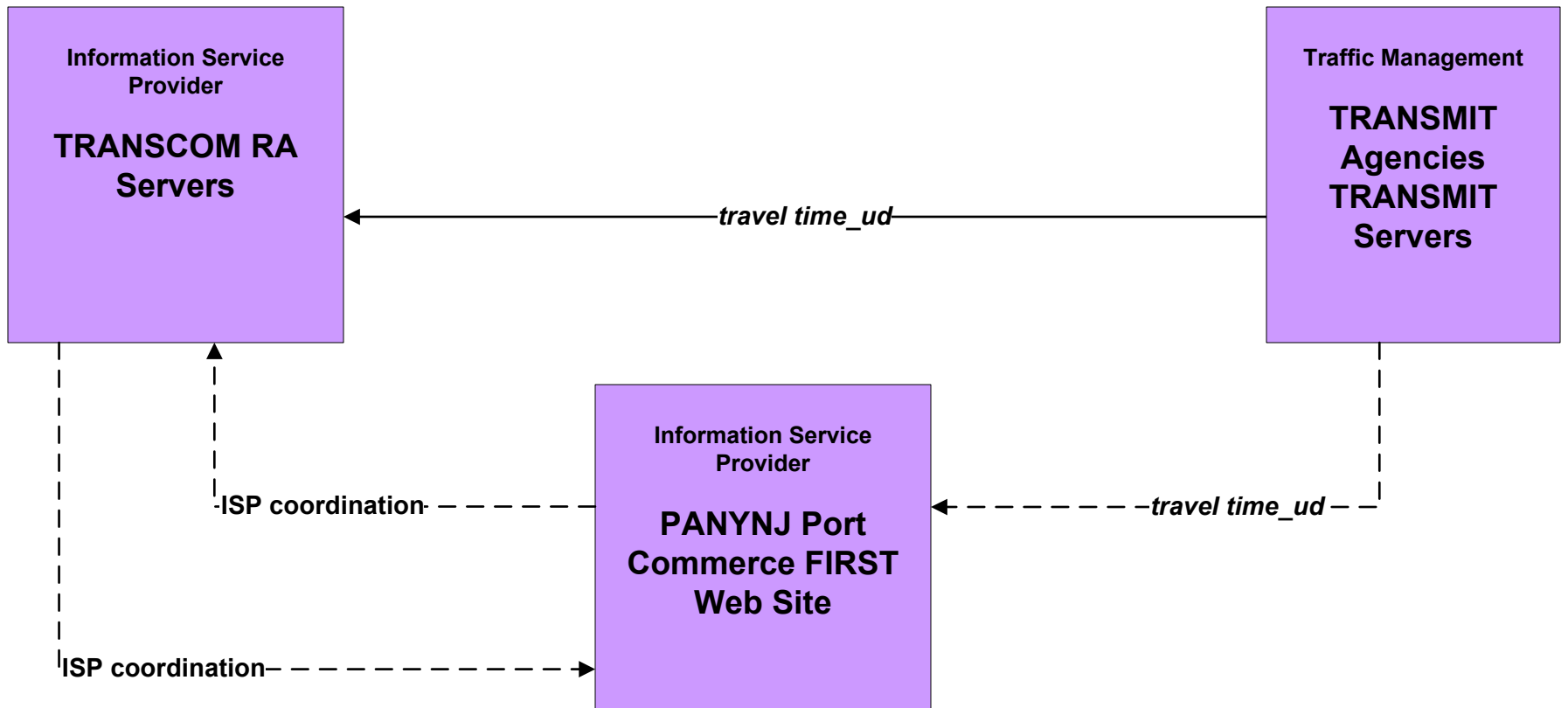




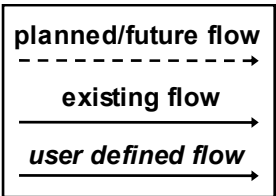
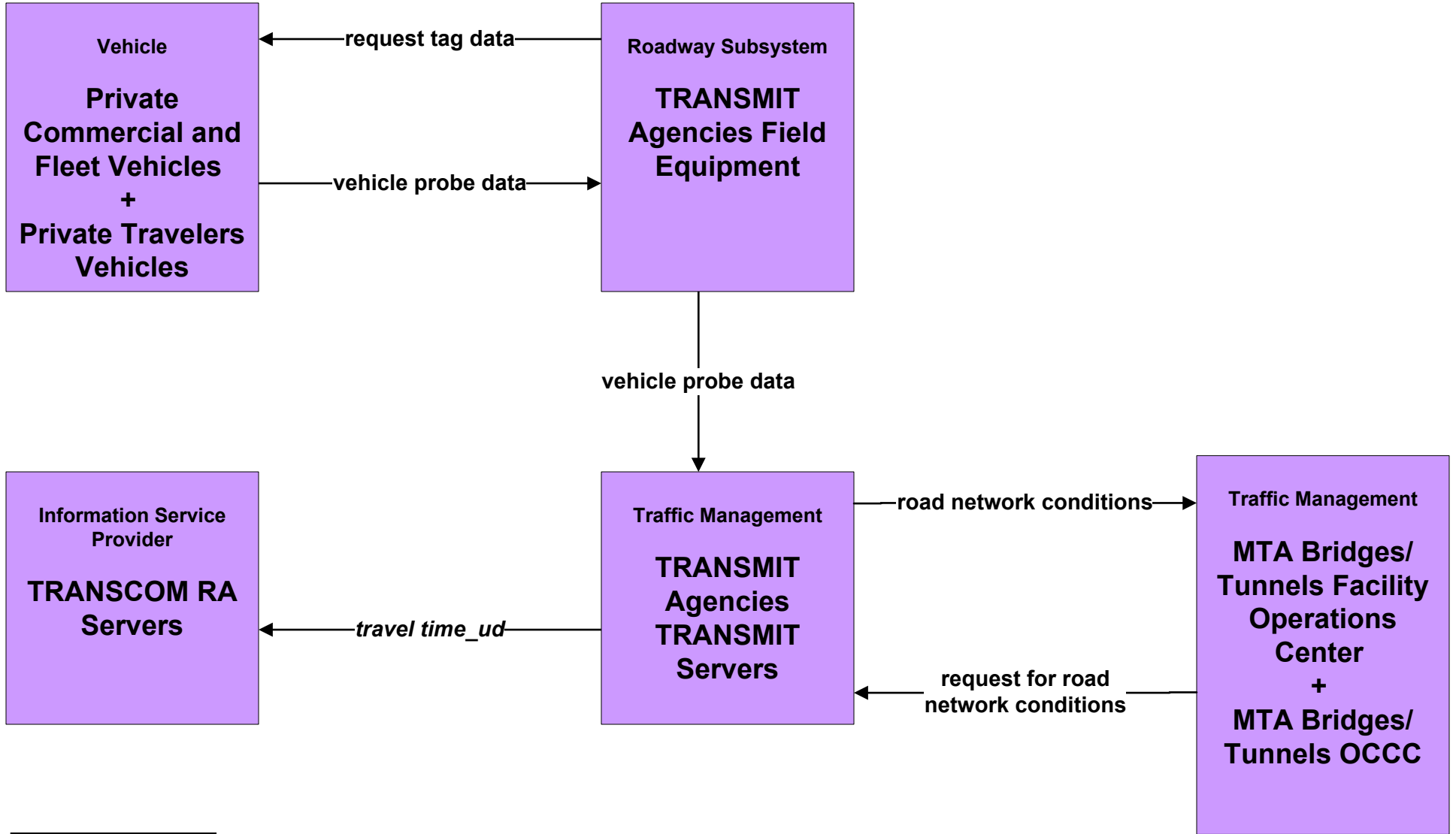
**ATMS02 - Probe Surveillance  
New York City Joint TMC**



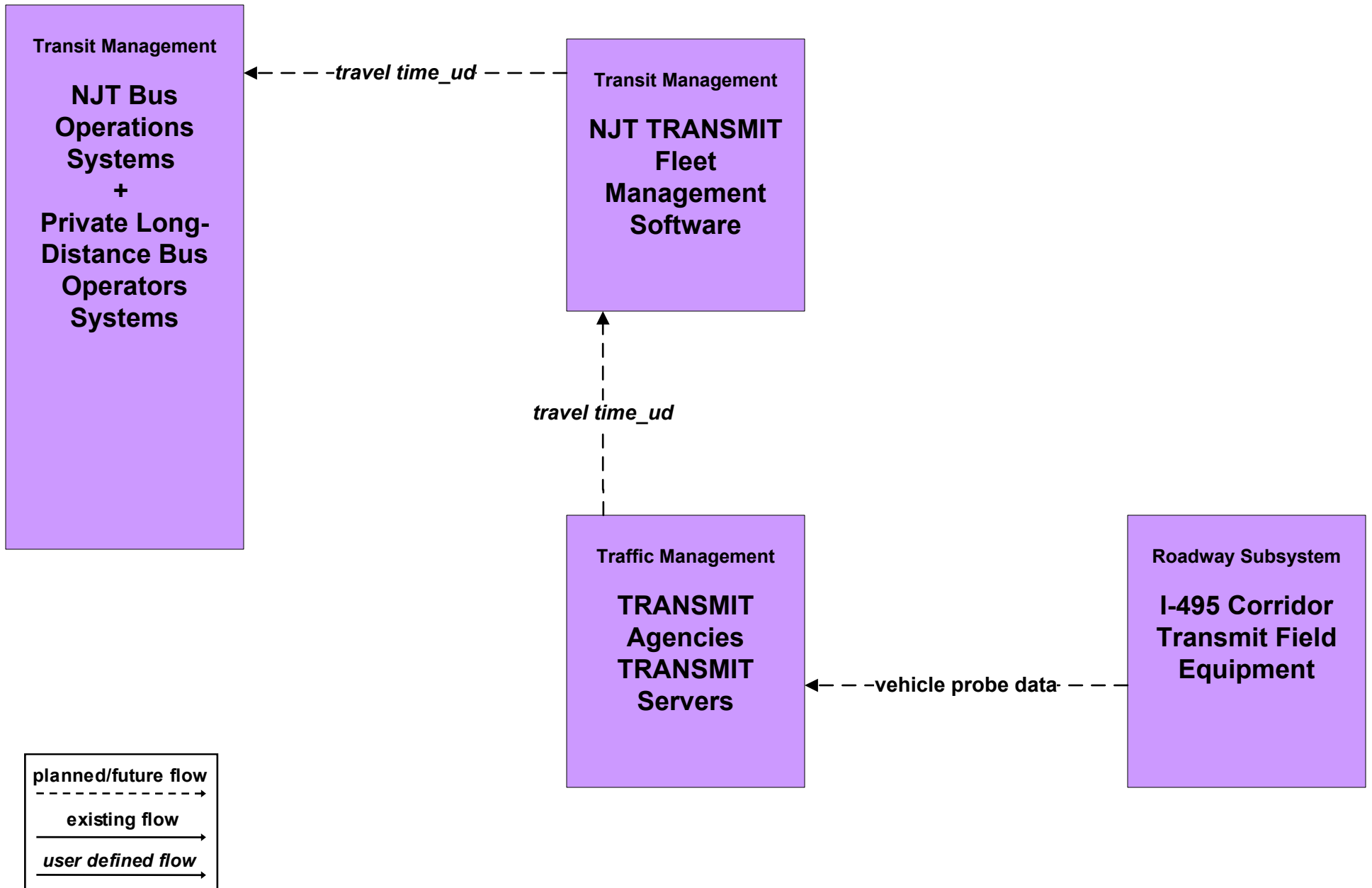
**ATMS02 - Probe Surveillance**  
**PANYNJ Port Commerce FIRST (Freight Information for Real-Time System for Transport)**



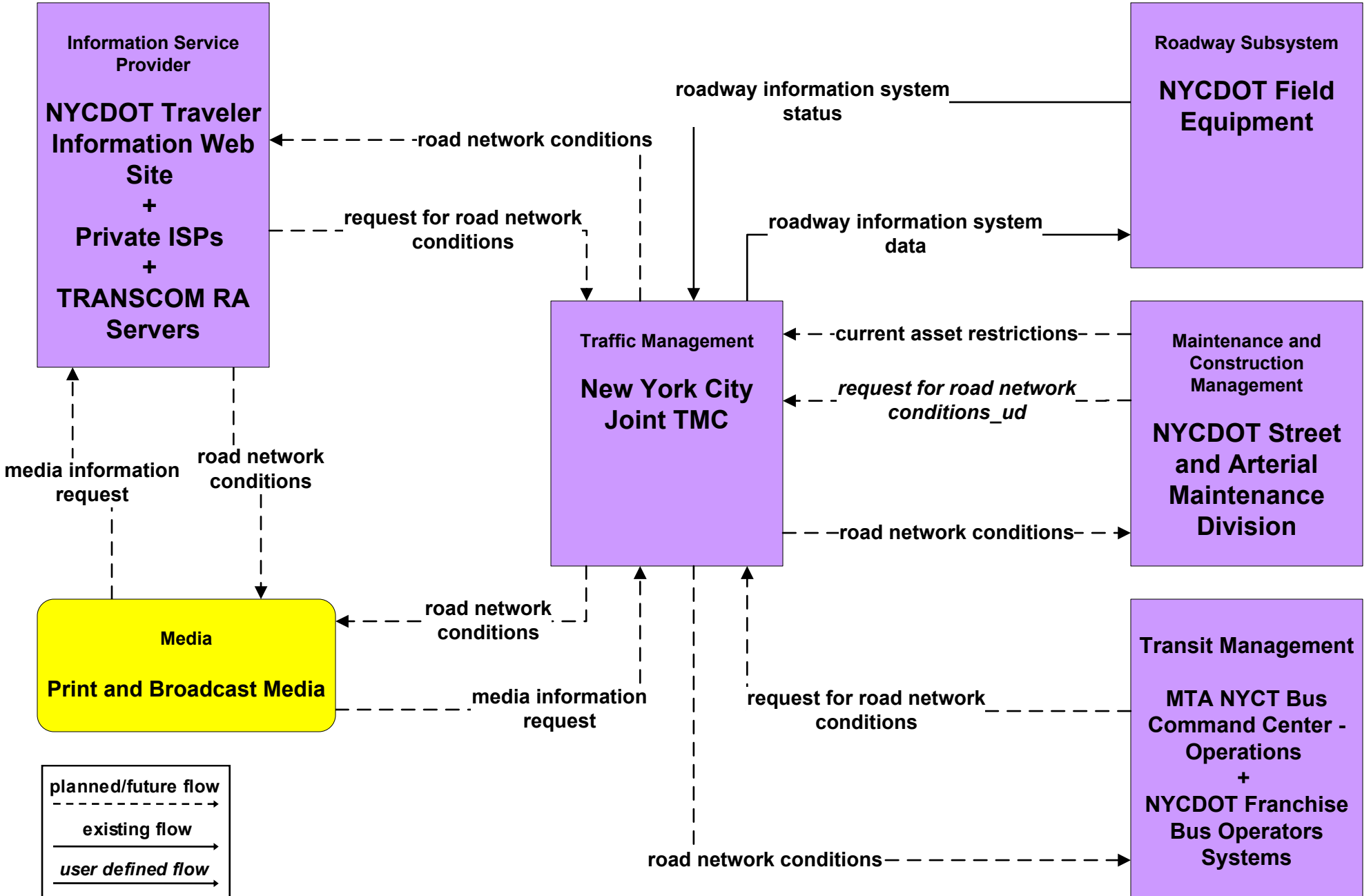
**ATMS02 - Probe Surveillance  
MTA Bridges and Tunnels**



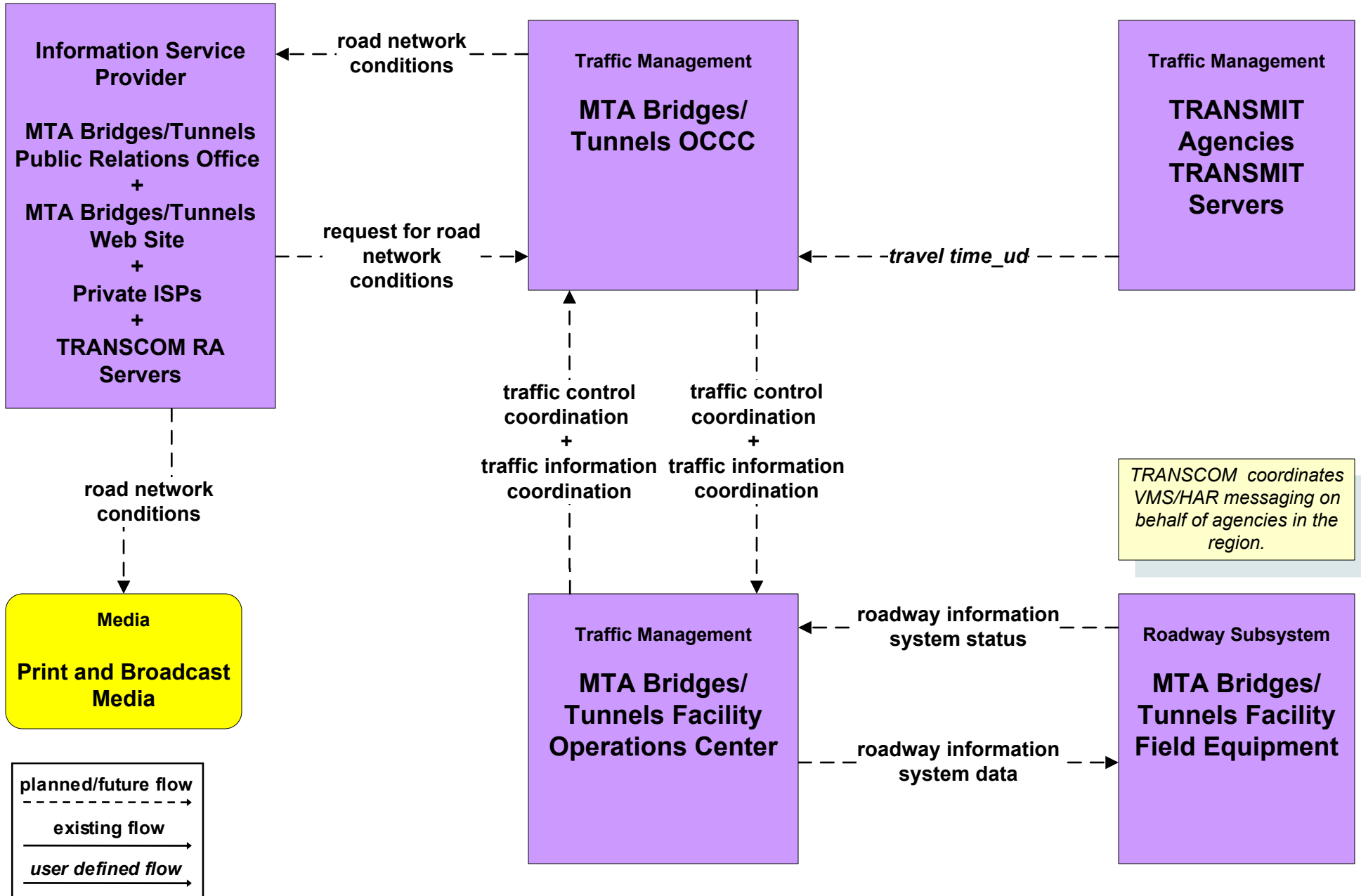
**ATMS02 - Probe Surveillance**  
**PANYNJ Tunnels/Bridges, PANYNJ Bus Terminal**



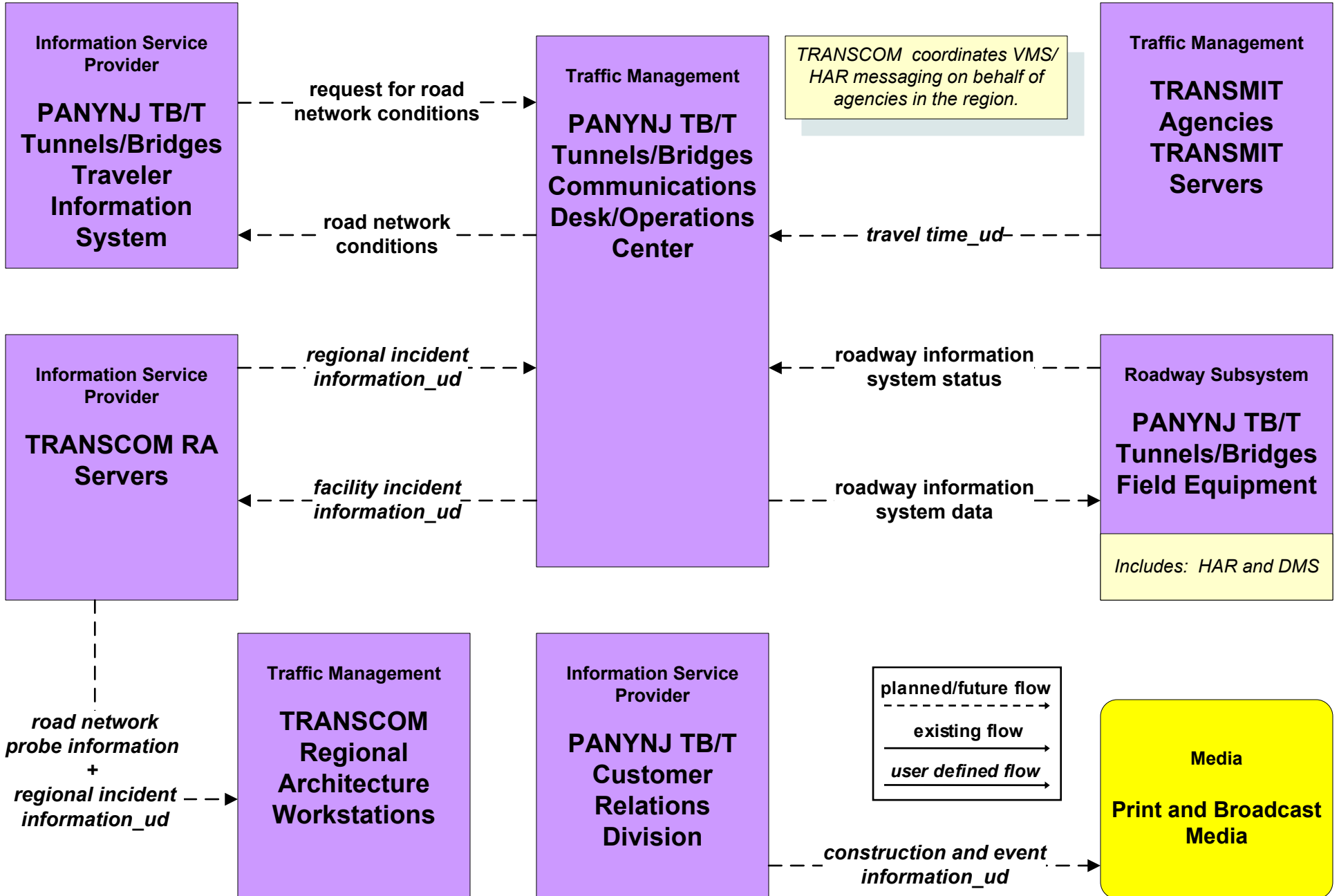
# ATMS06 - Traffic Information Dissemination New York City Joint TMC



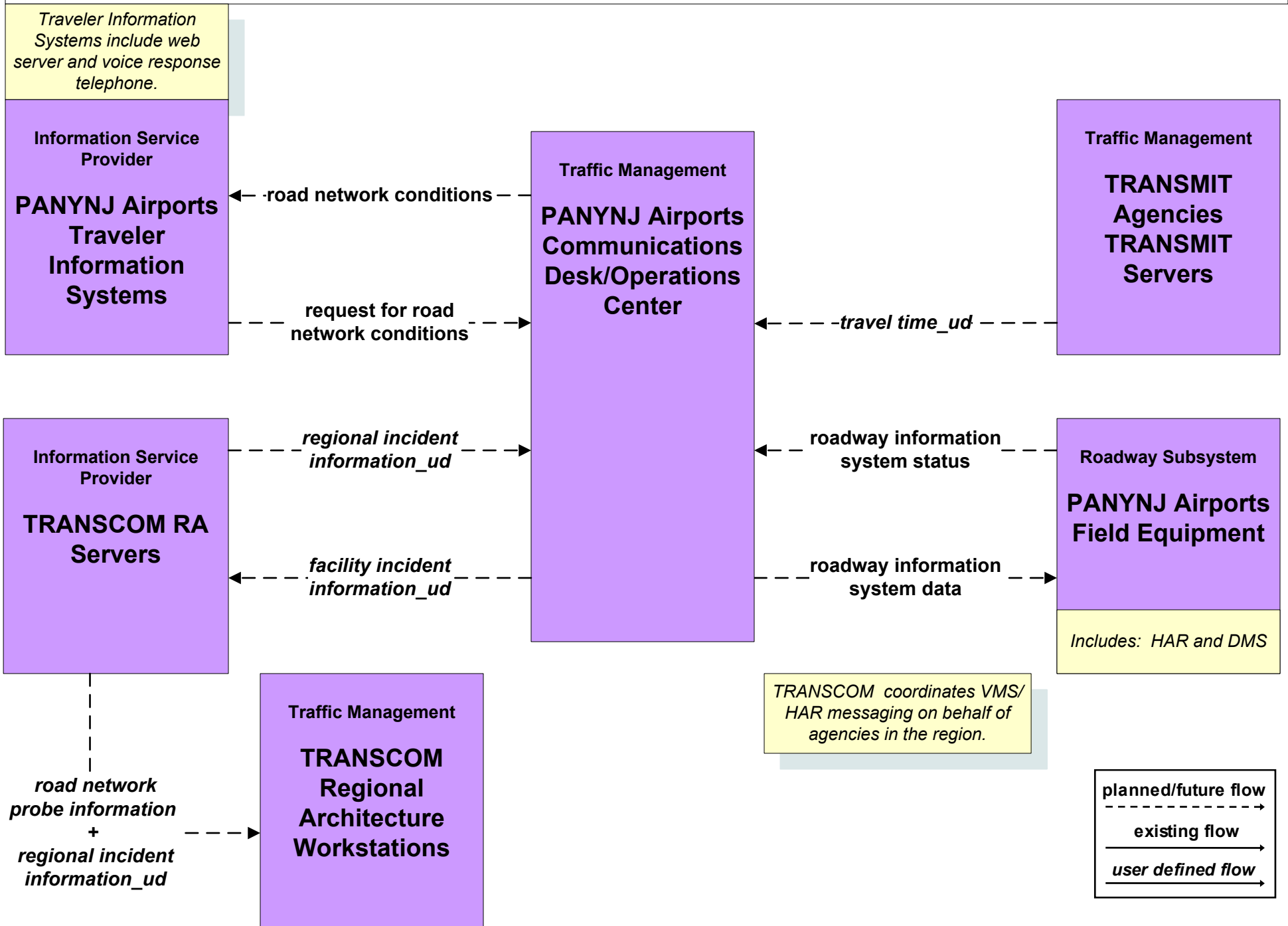
# ATMS06 - Traffic Information Dissemination MTA Bridges and Tunnels



# ATMS06 - Traffic Information Dissemination PANYNJ Tunnels/Bridges

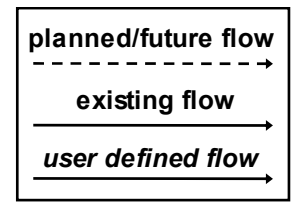
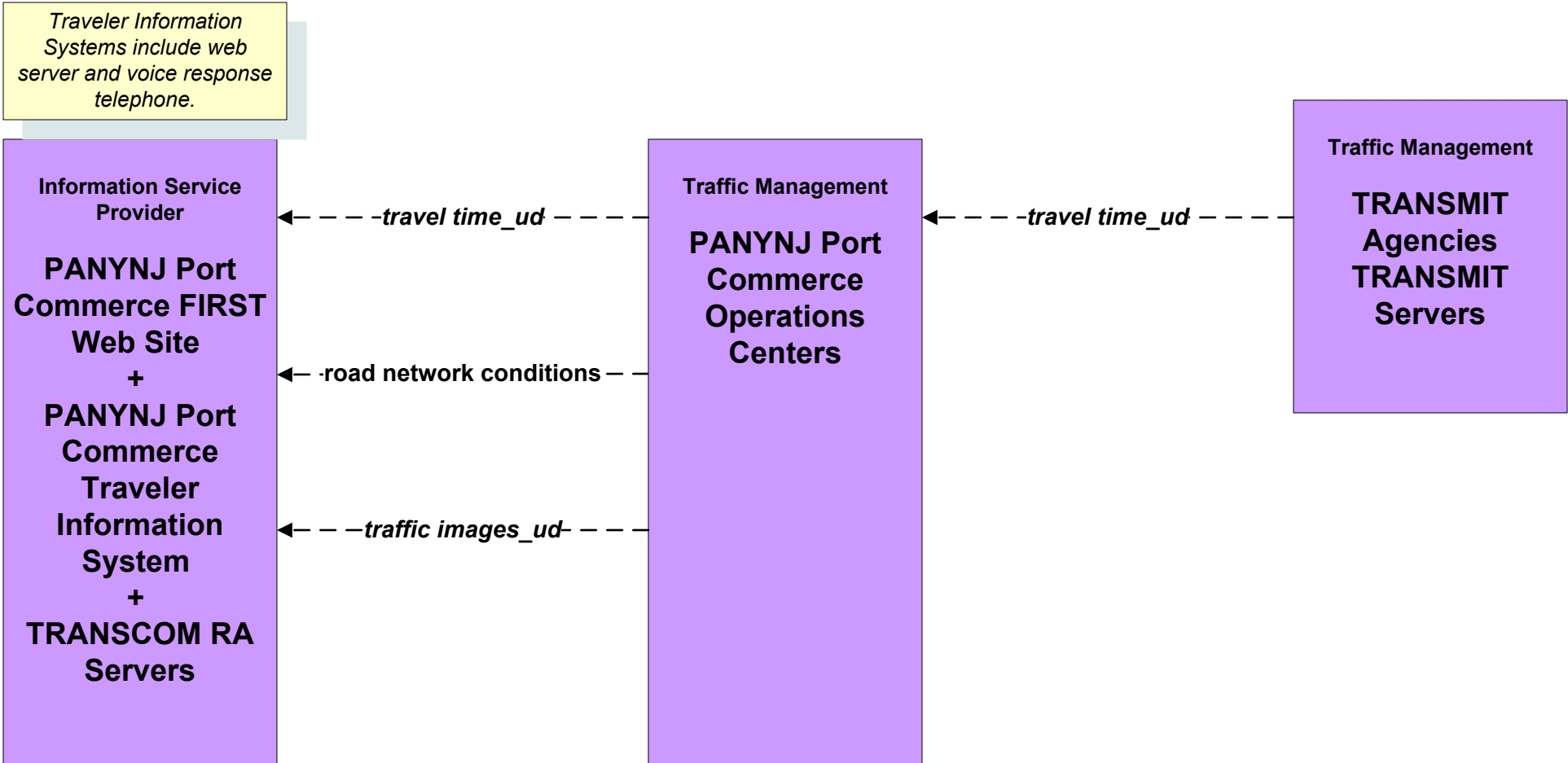


# ATMS06 - Traffic Information Dissemination PANYNJ Airports

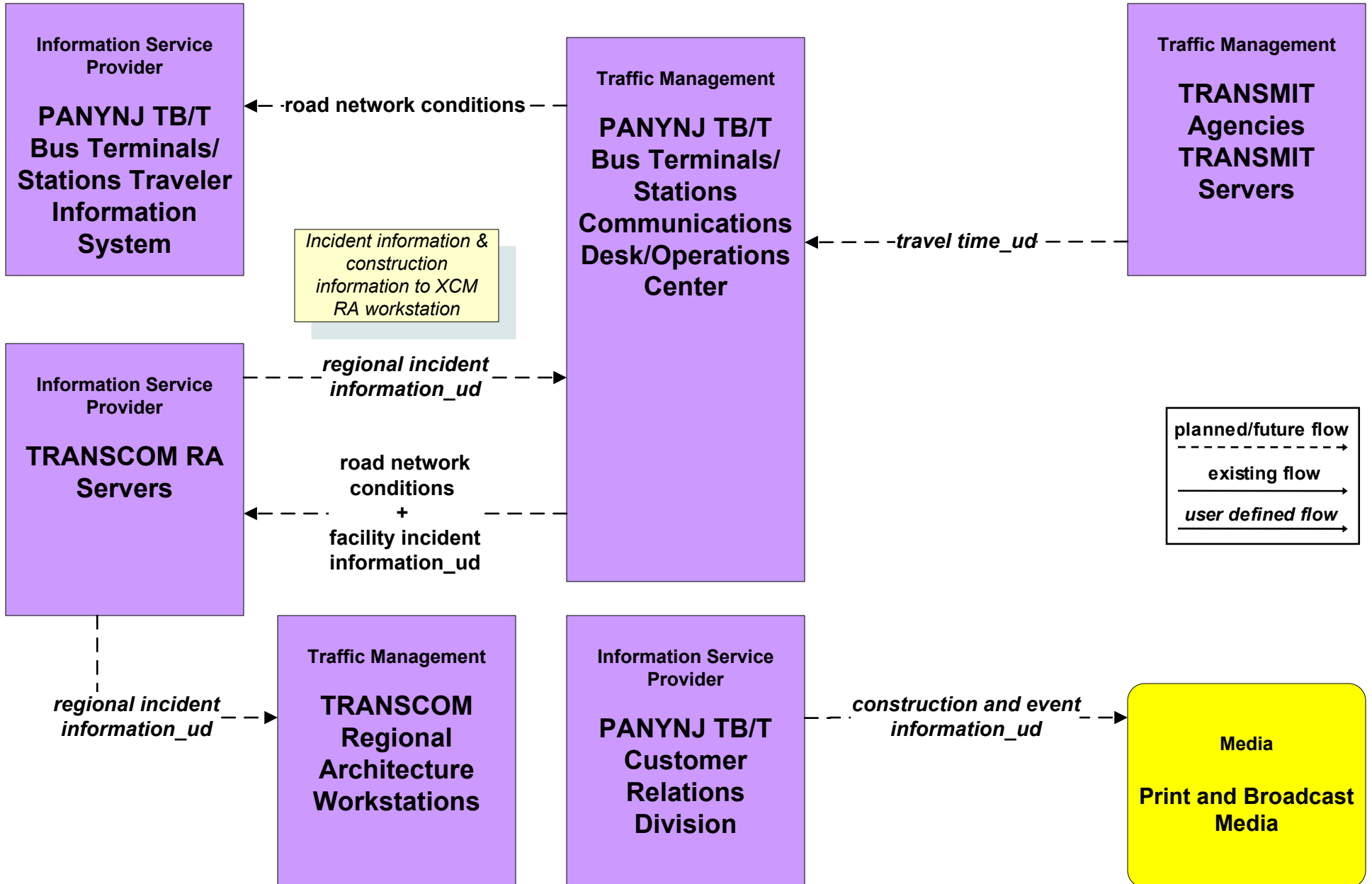




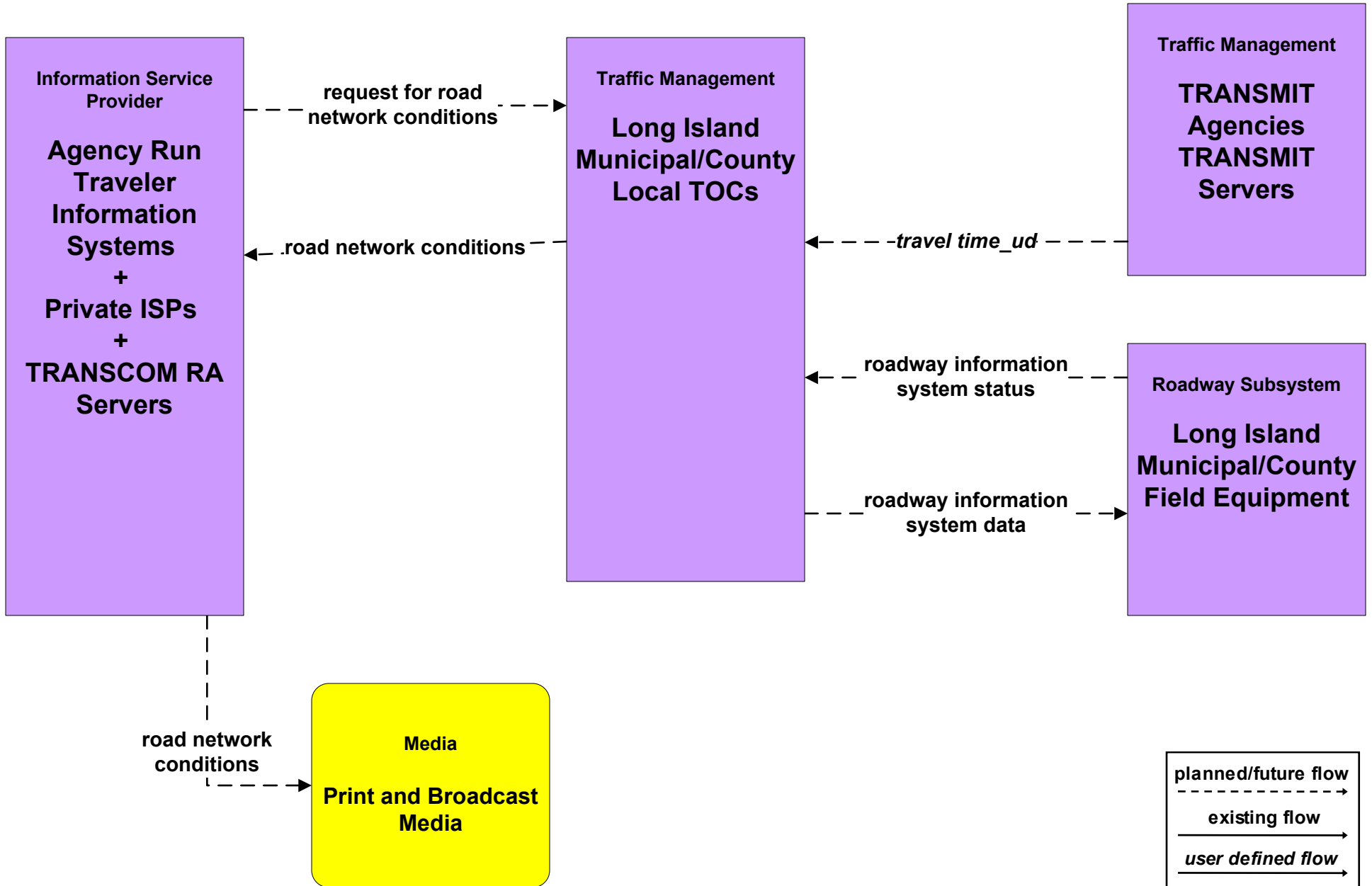
# ATMS06 - Traffic Information Dissemination PANYNJ Port Commerce



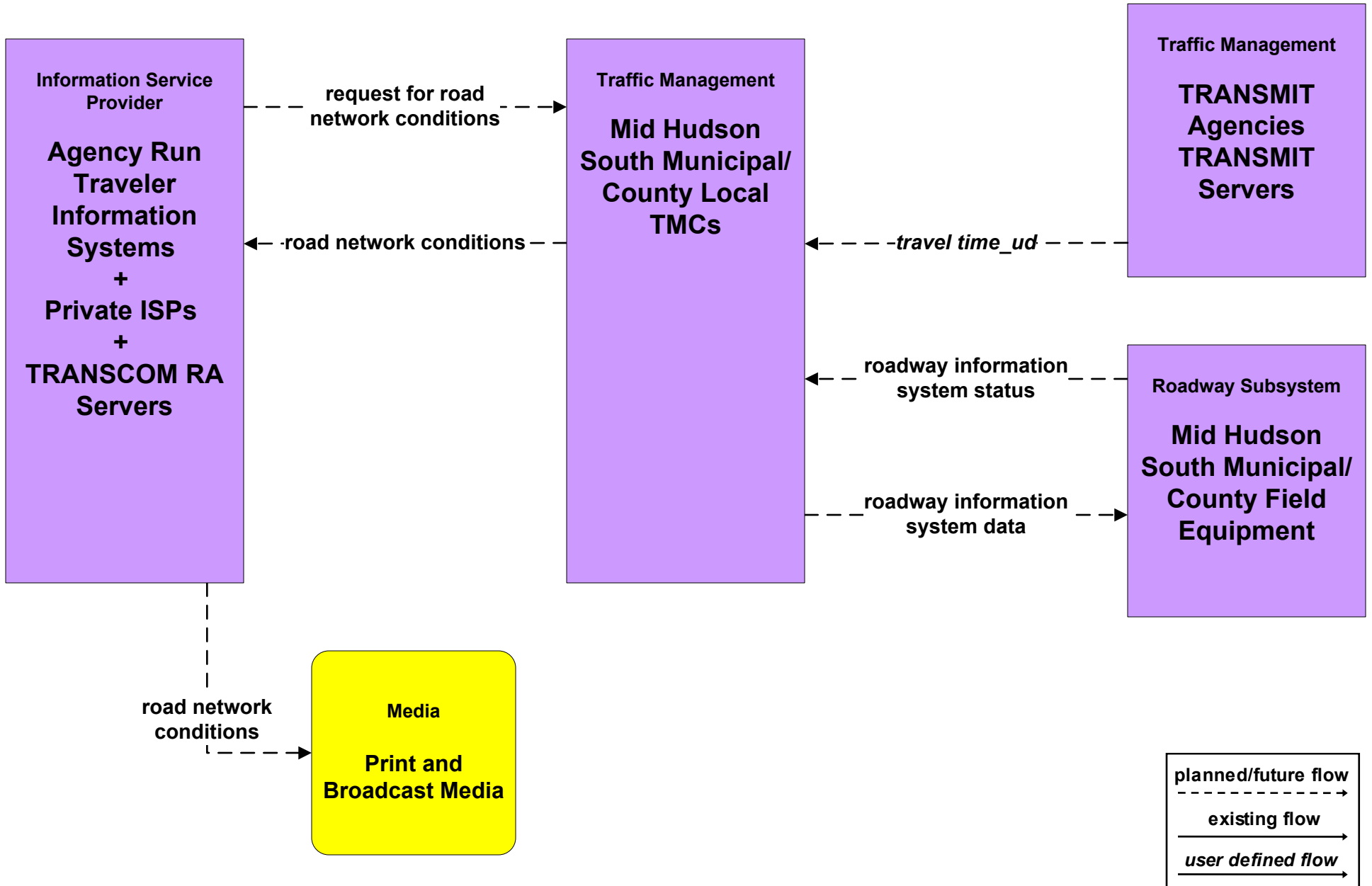
# ATMS06 - Traffic Information Dissemination PANYNJ Bus Terminals/Stations



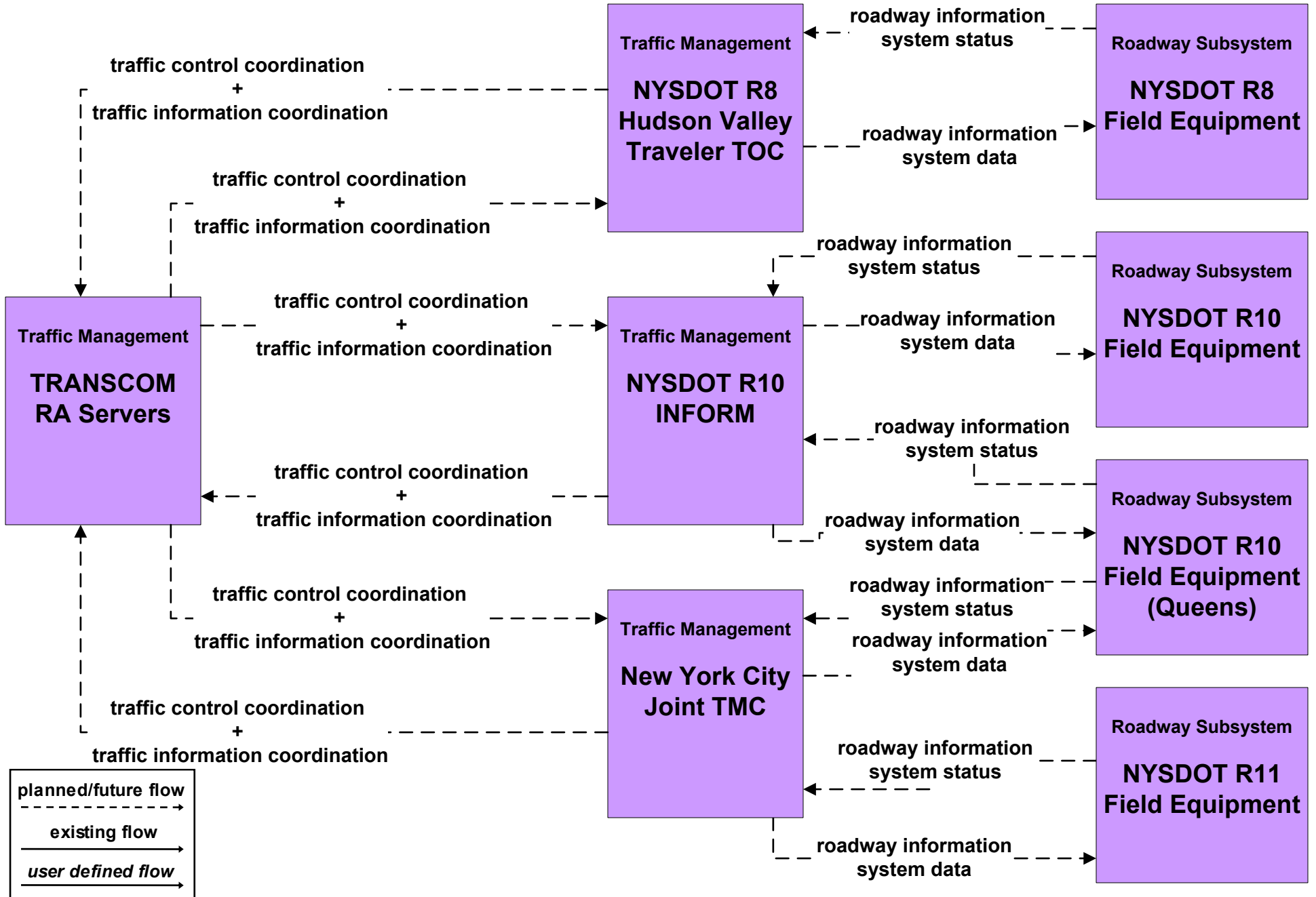
# ATMS06 - Traffic Information Dissemination Long Island Municipal/County TMCs



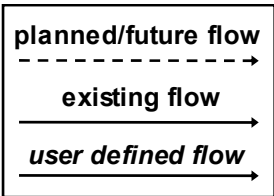
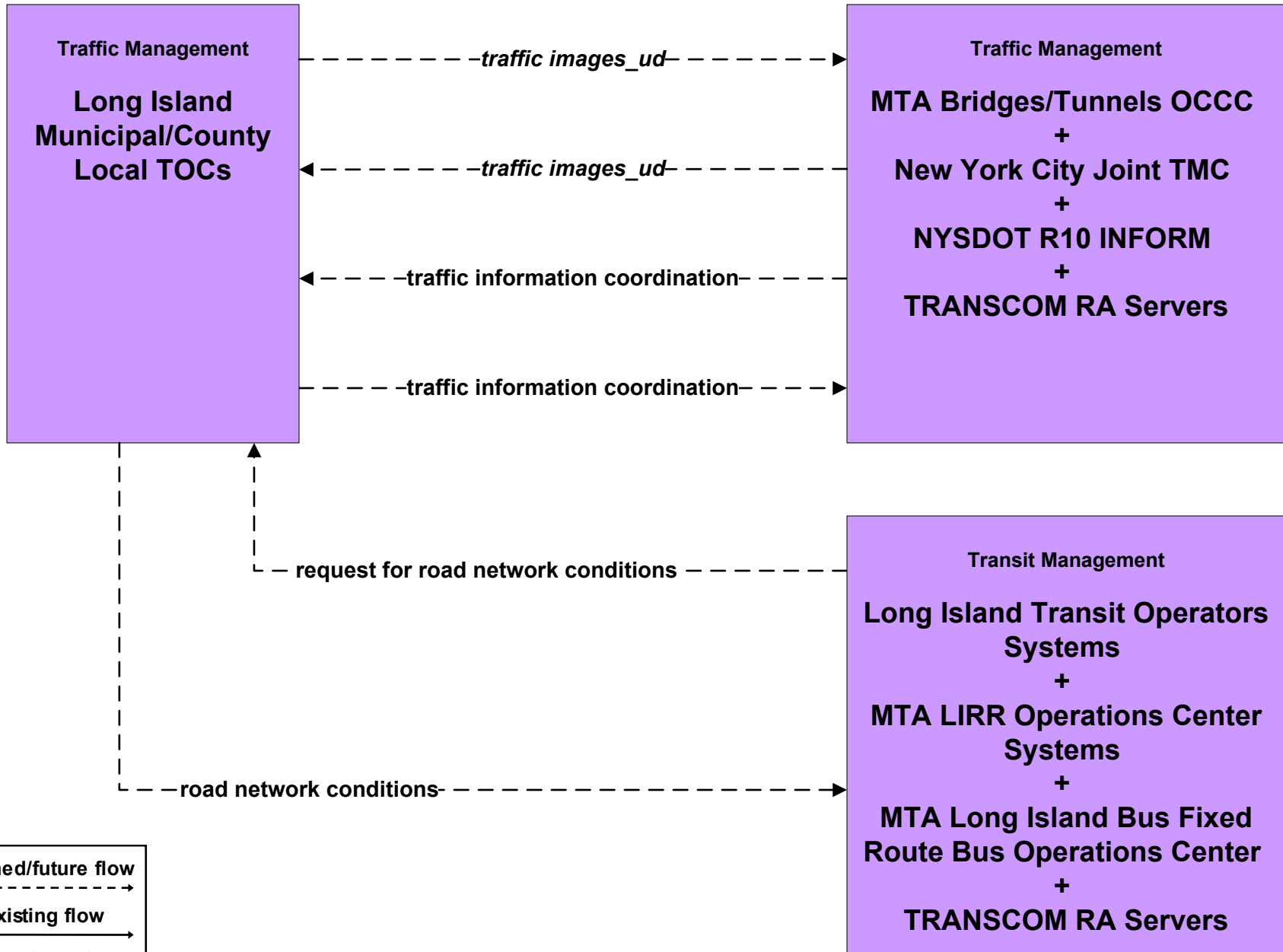
**ATMS06 - Traffic Information Dissemination  
Mid Hudson South Municipal/County TMCs**



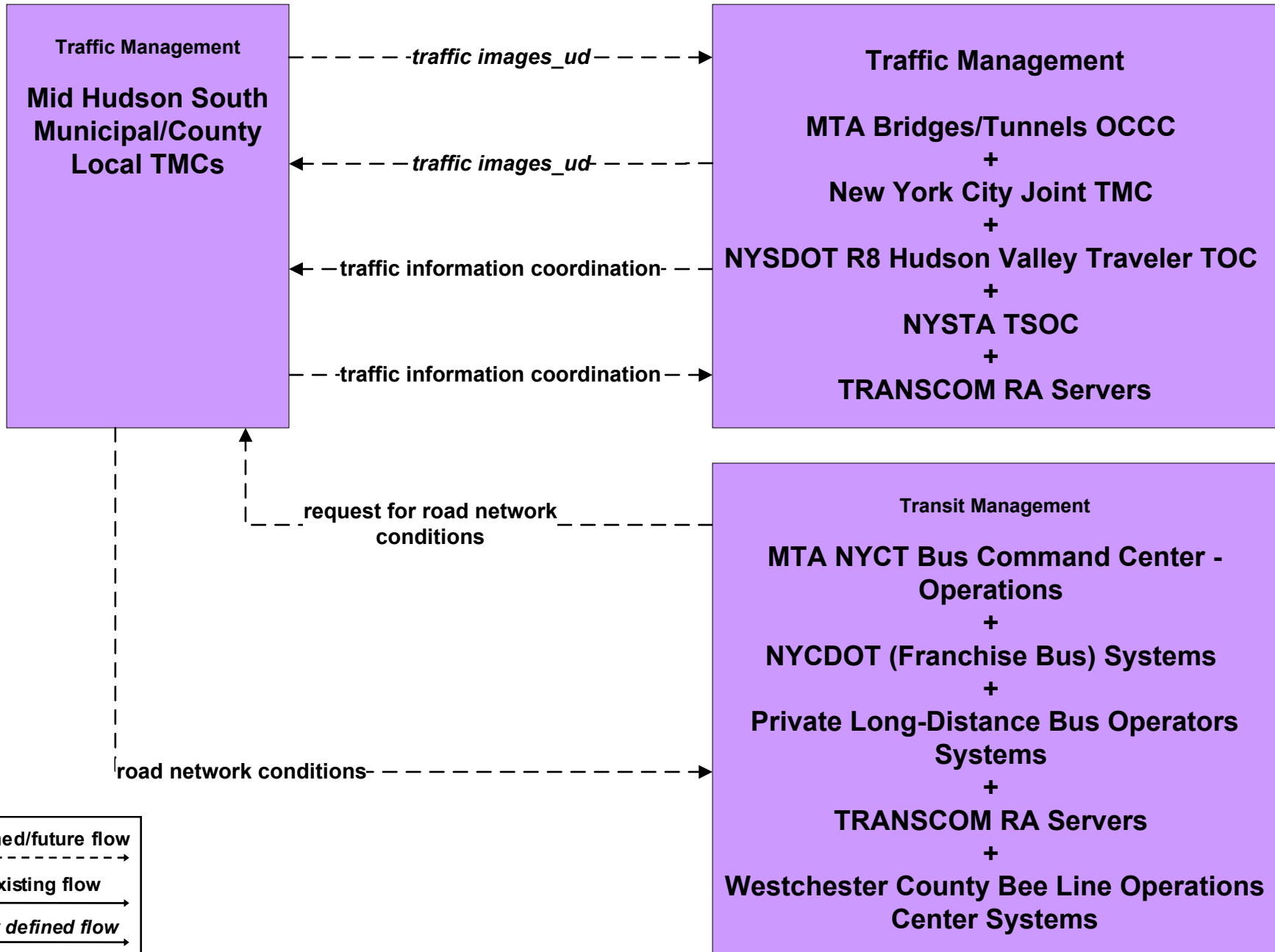
# ATMS06 - Traffic Information Dissemination NYSDOT Regions



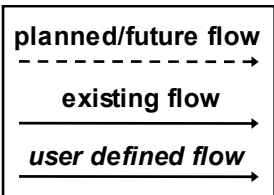
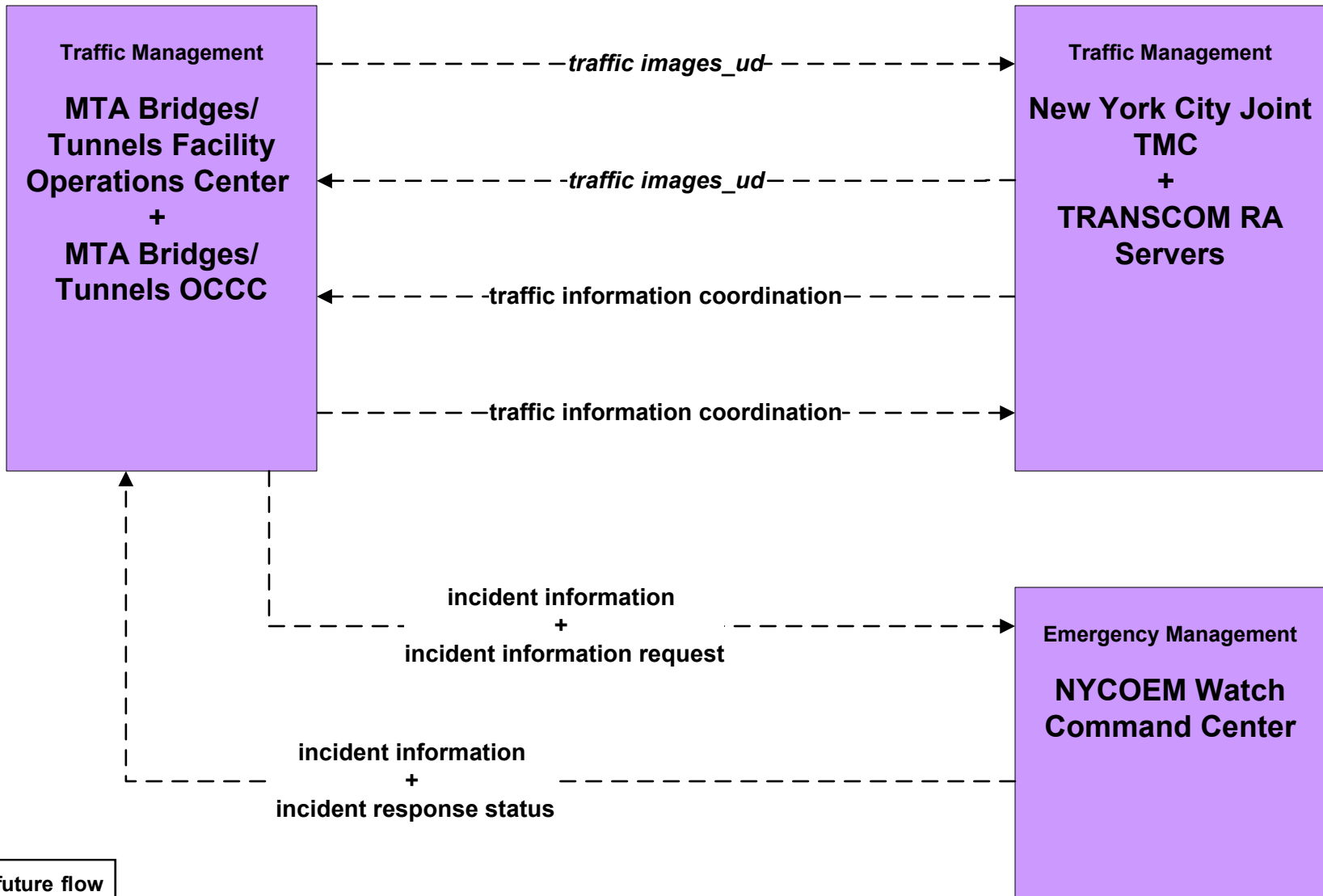
**ATMS07 - Regional Traffic Control  
Long Island Municipal/County TMCs**



**ATMS07 - Regional Traffic Control  
Mid Hudson South Municipal/County TMCs**

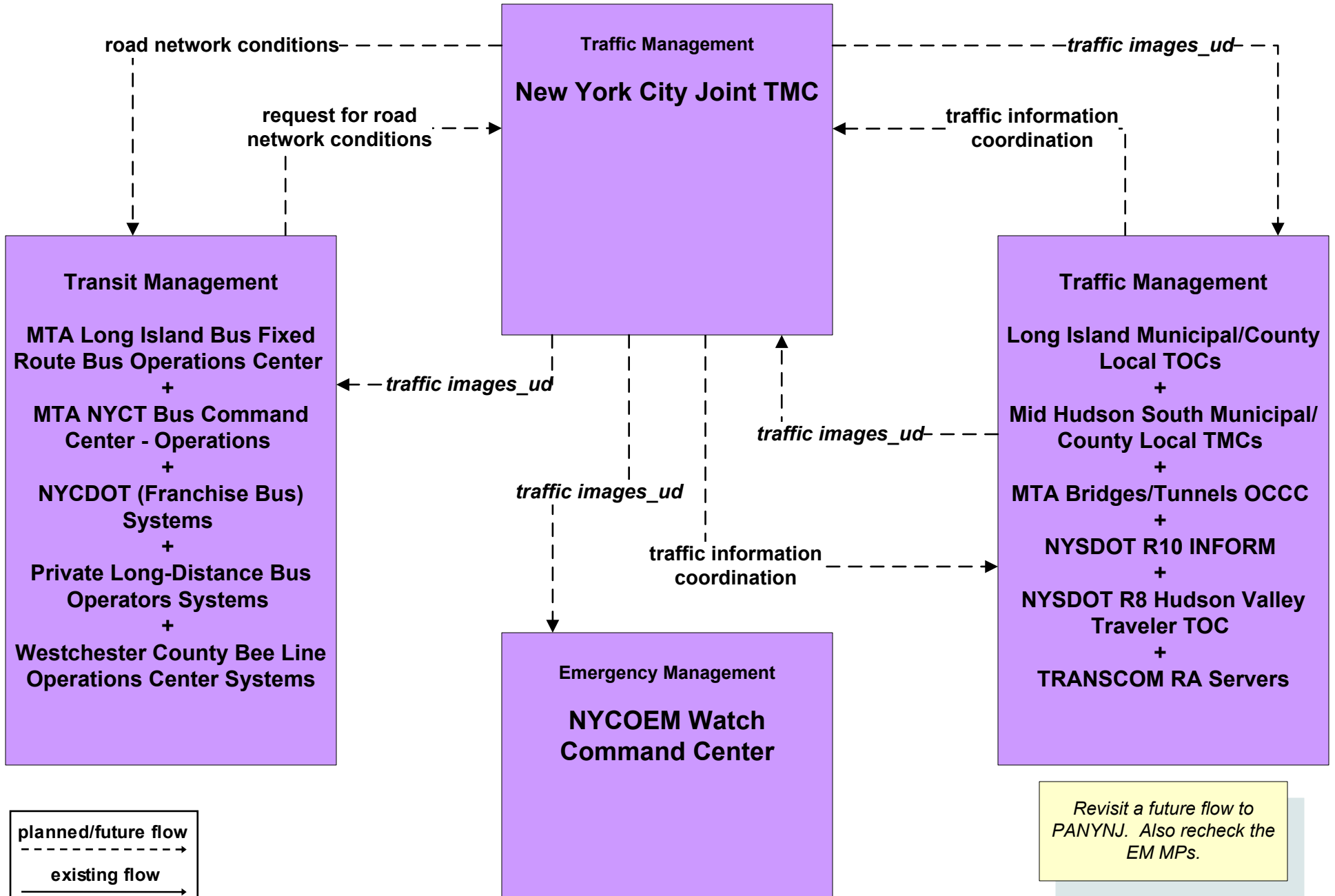


# ATMS07 - Regional Traffic Control MTA Bridges and Tunnels

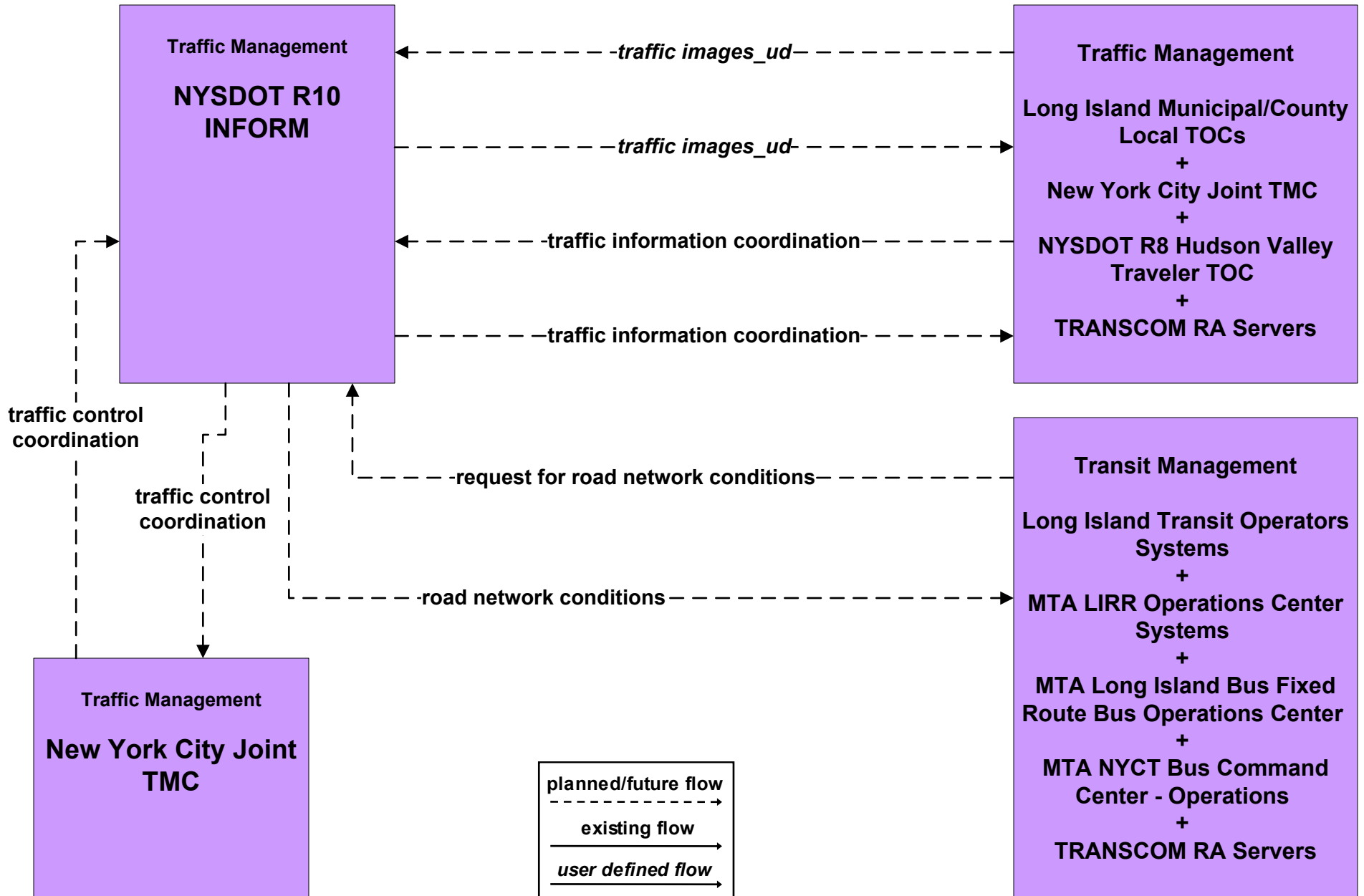




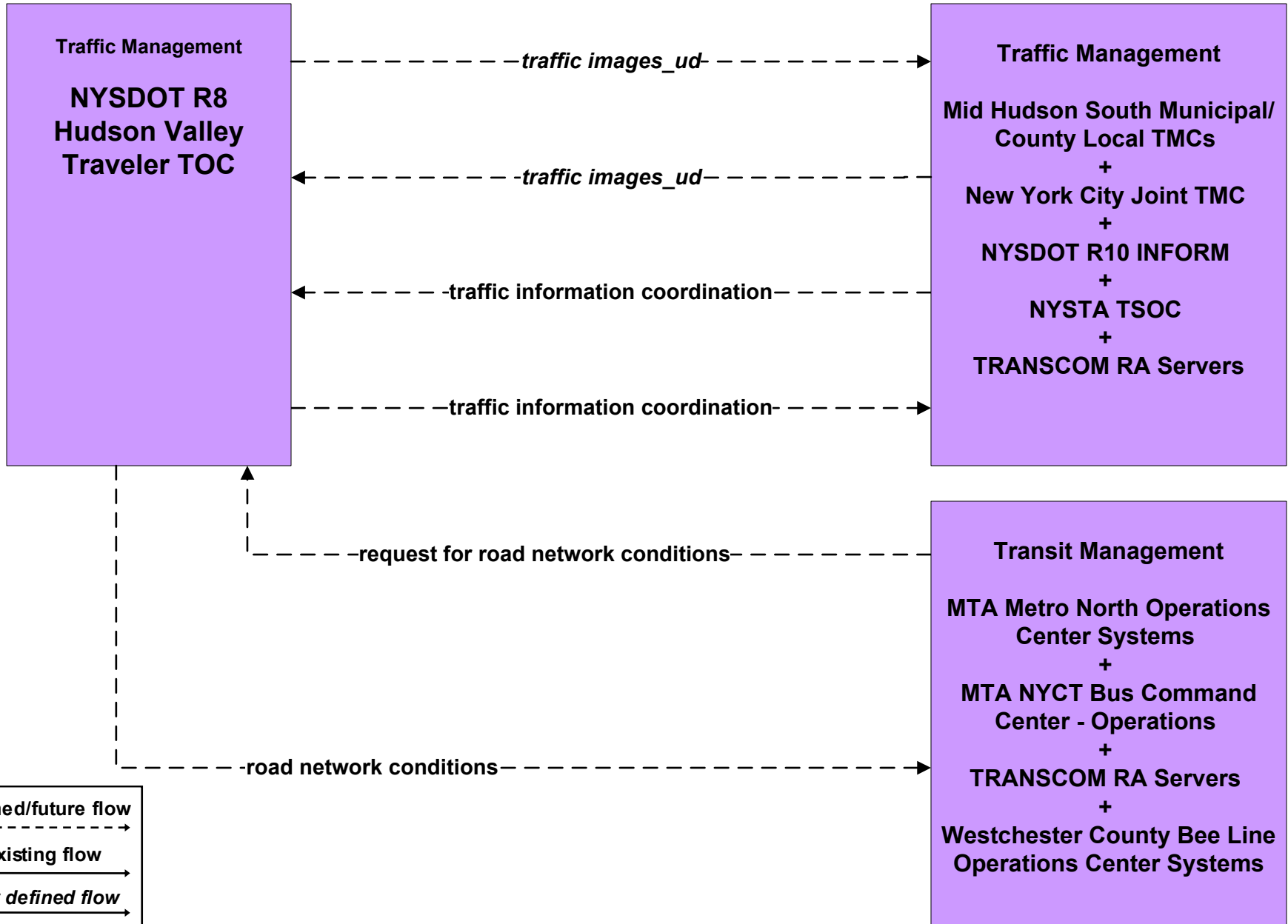
# ATMS07 - Regional Traffic Control New York City Joint TMC (2 of 2)



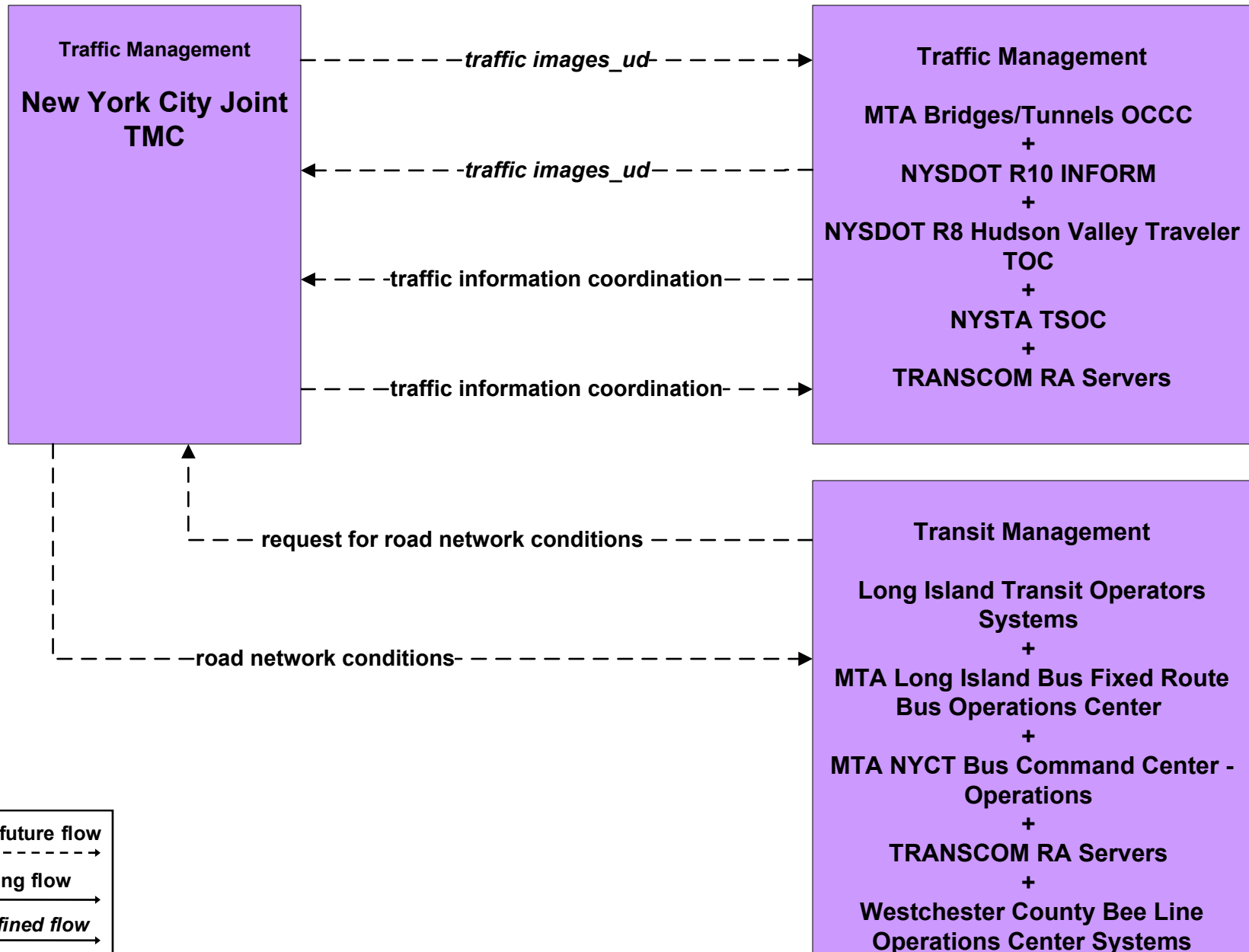
**ATMS07 - Regional Traffic Control  
NYSDOT R10 INFORM**



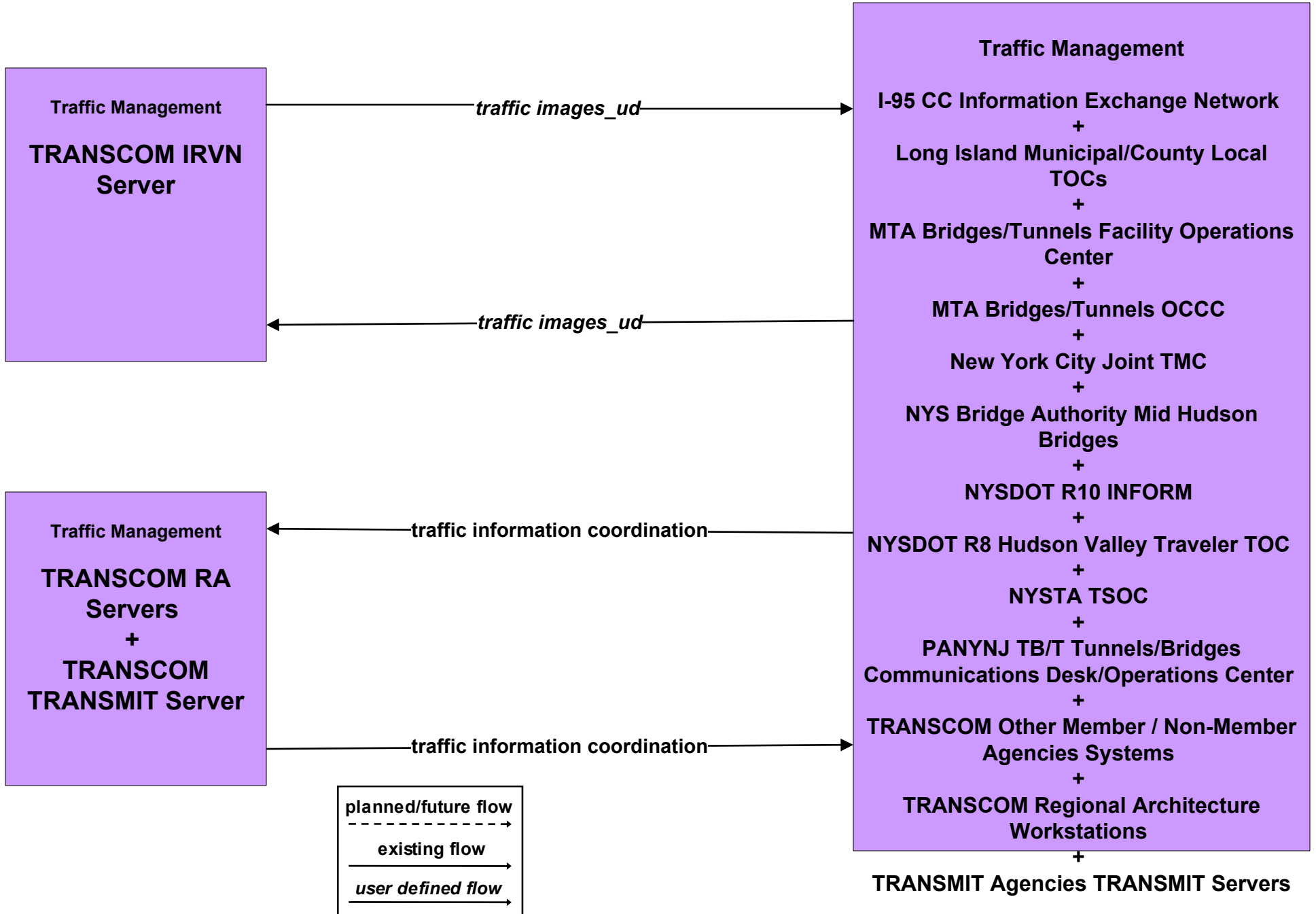
**ATMS07 - Regional Traffic Control  
NYSDOT R8 Hudson Valley TMC**



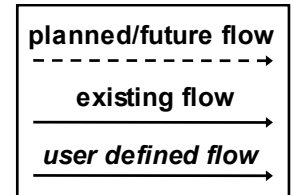
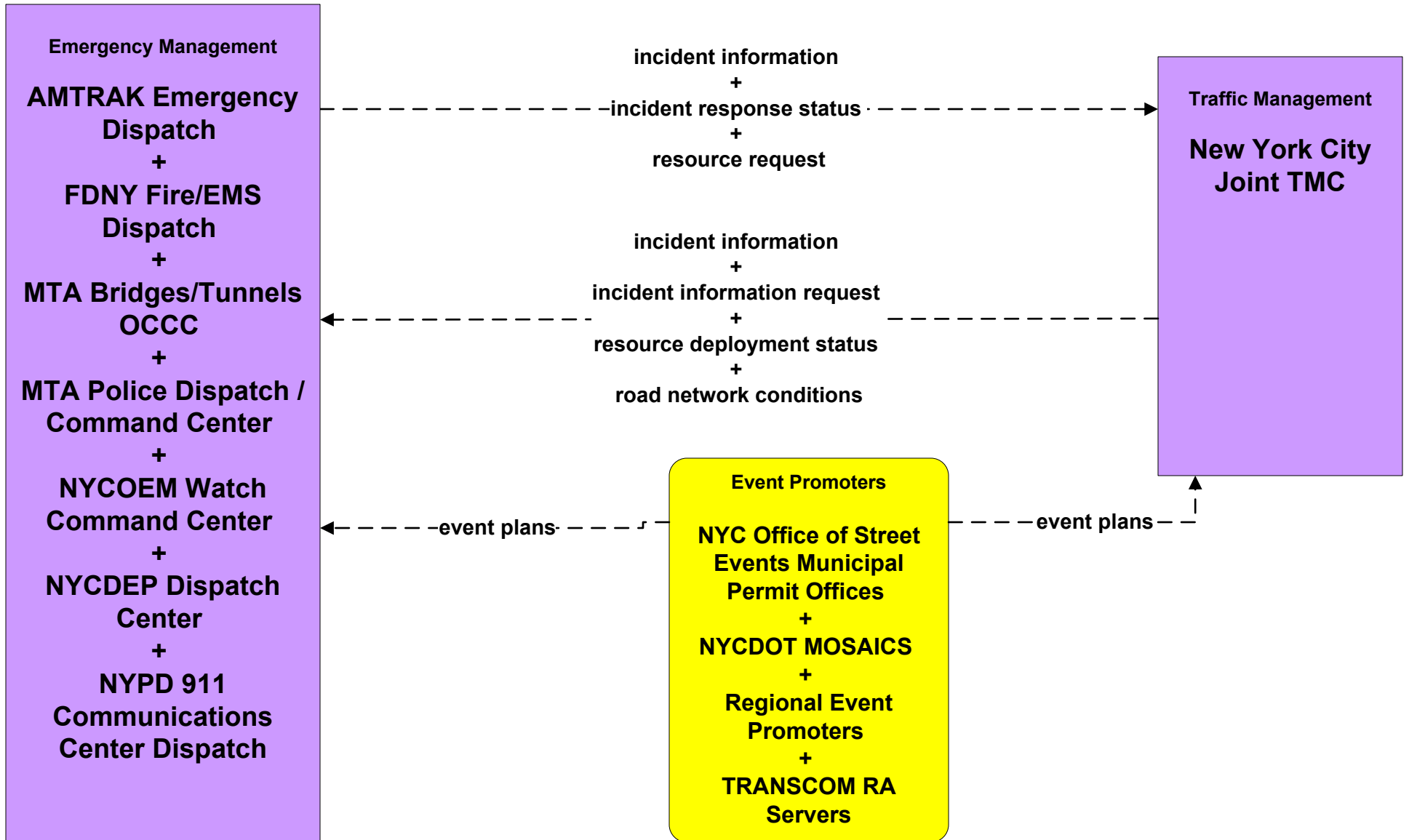
**ATMS07 - Regional Traffic Control  
 NYSDOT R11 New York City ATMS**



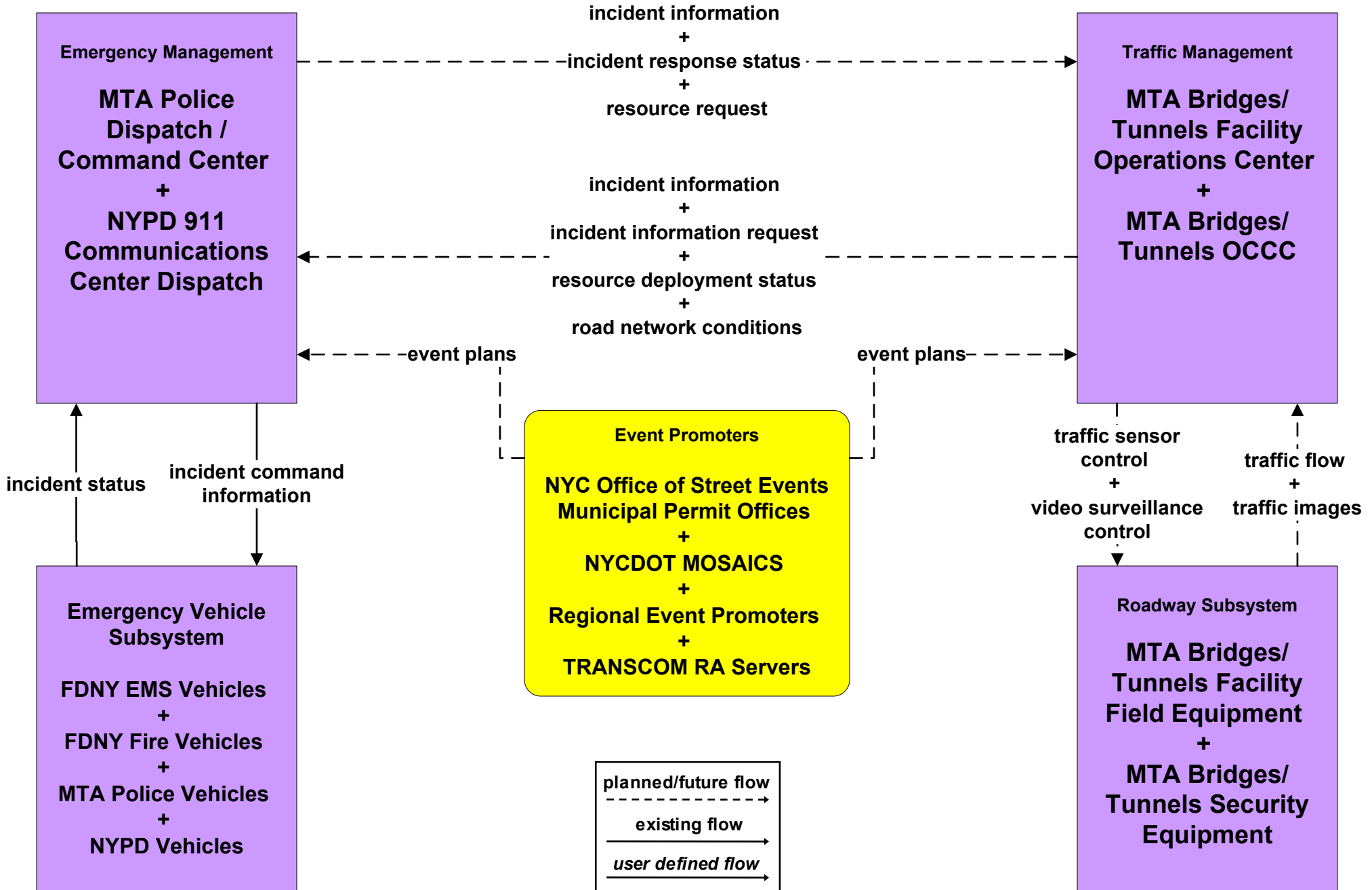
**ATMS07 - Regional Traffic Control  
TRANSCOM Operations Information Center**



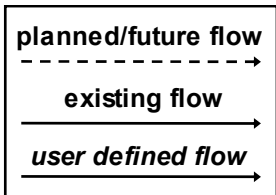
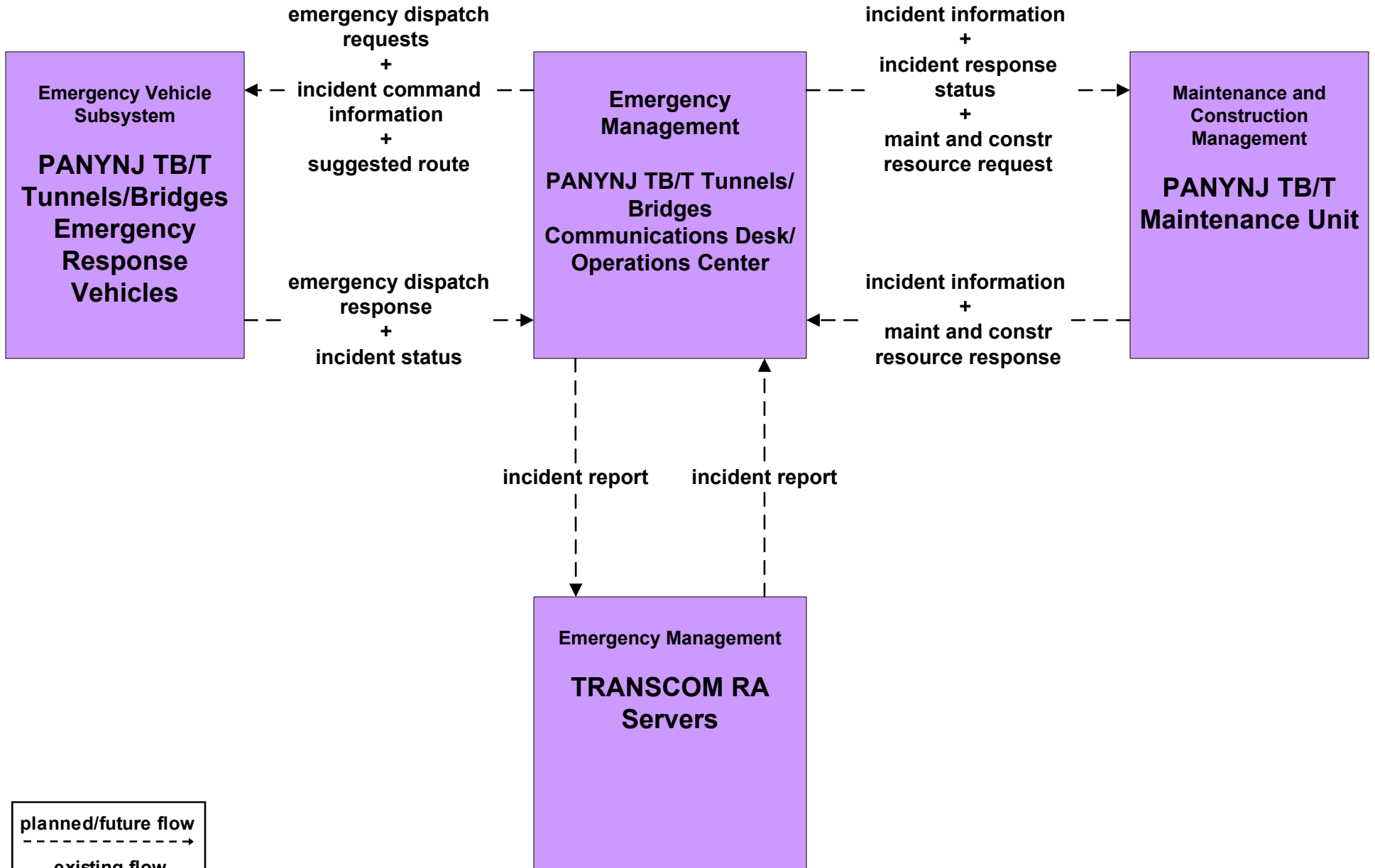
# ATMS08 - Incident Management New York City Joint TMC (1 of 2)



# ATMS08 - Incident Management MTA Bridges and Tunnels

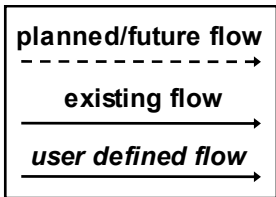
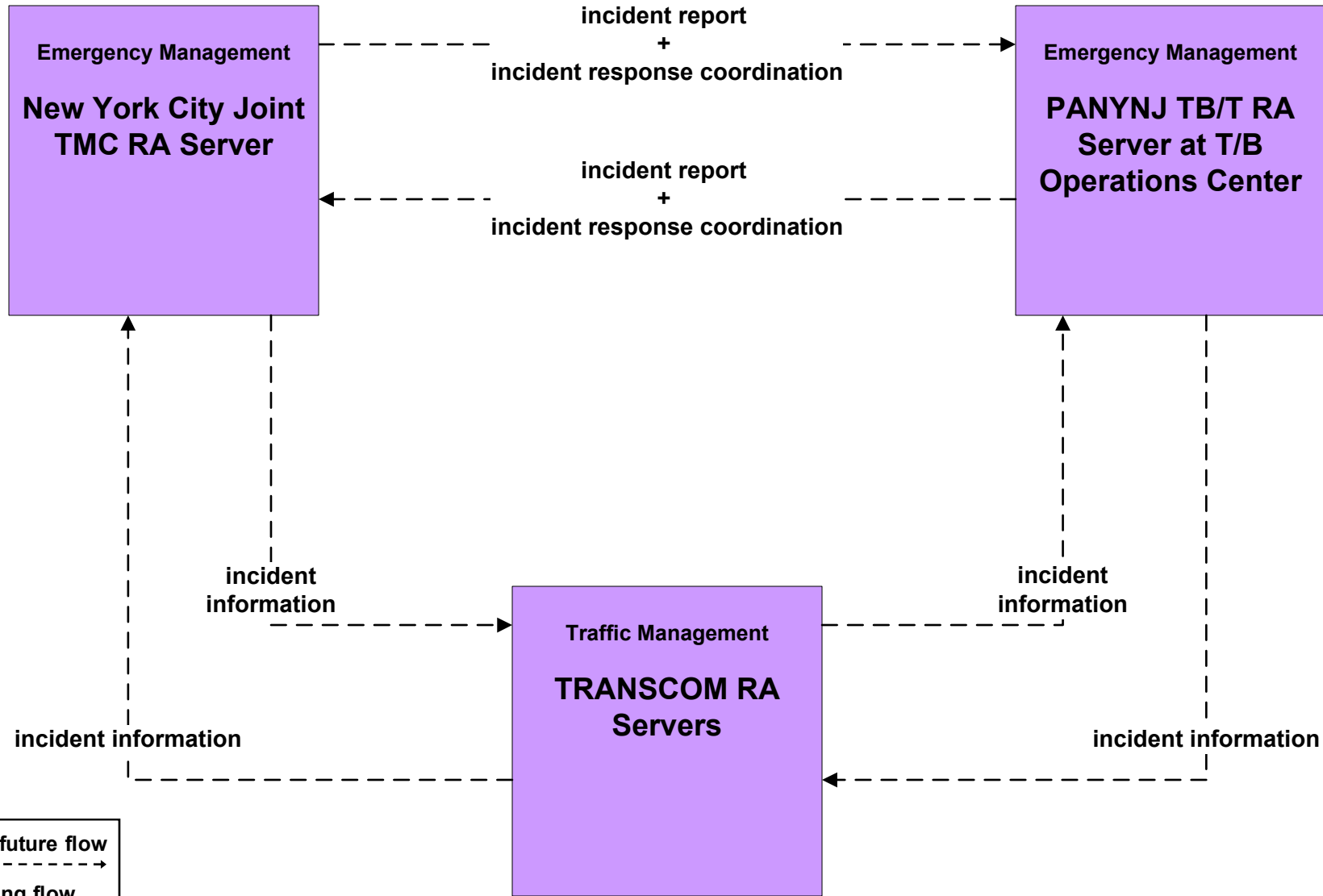


# ATMS08 - Incident Management PANYNJ Tunnels/Bridges

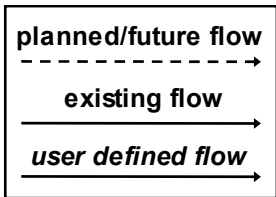
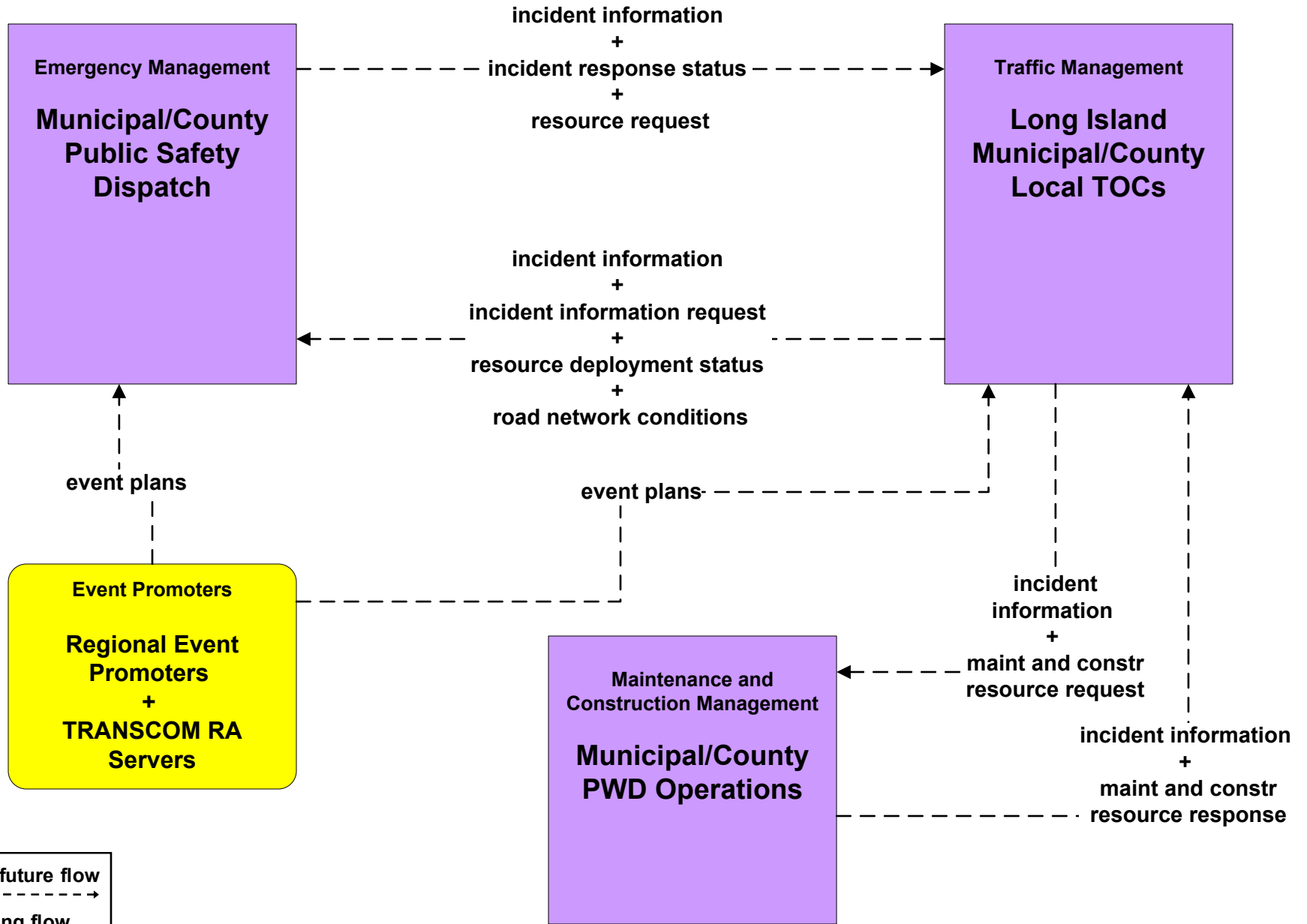




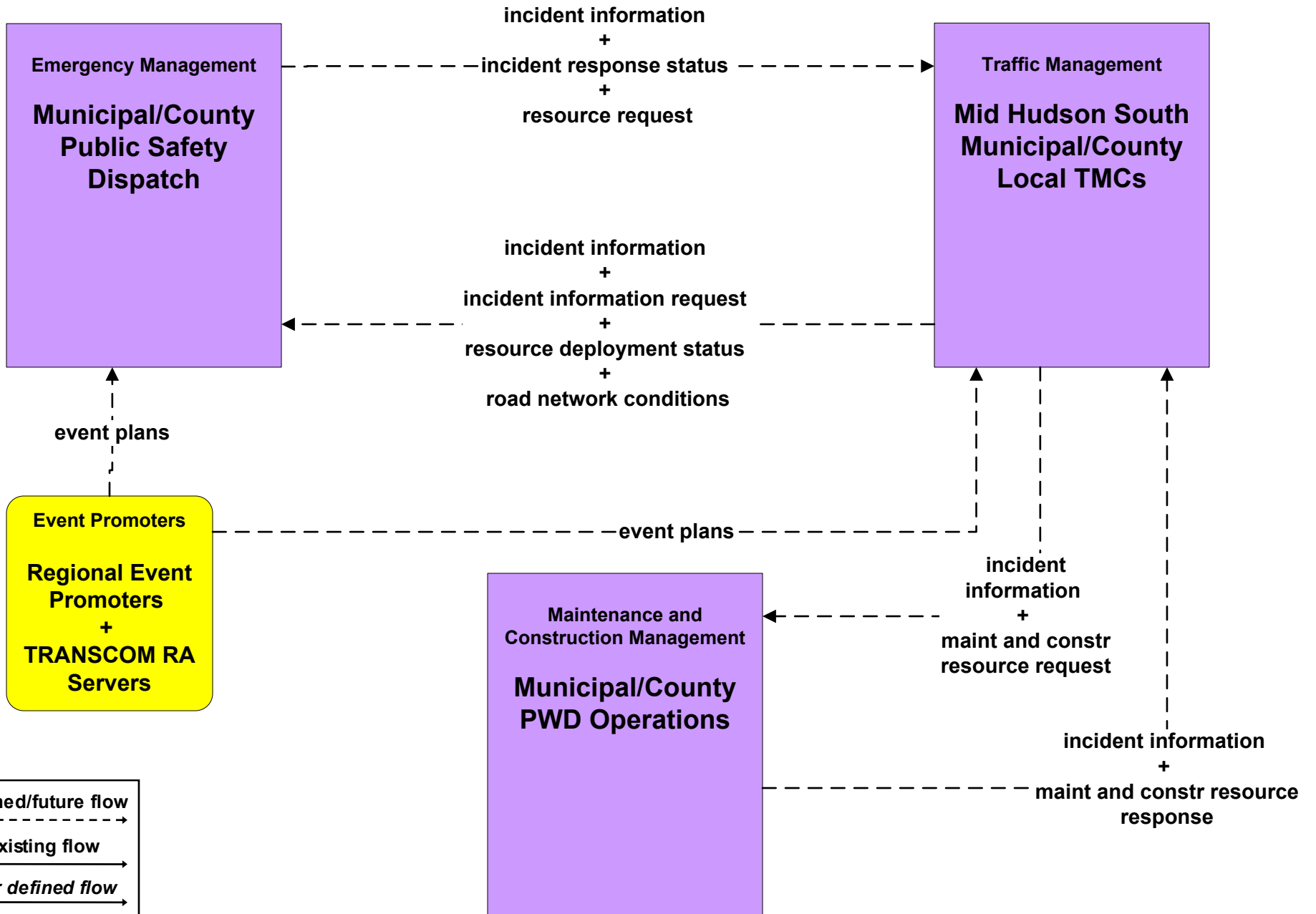
**ATMS08 - Incident Management**  
**New York City Joint TMC to PANYNJ TB&T Tunnels/Bridges**



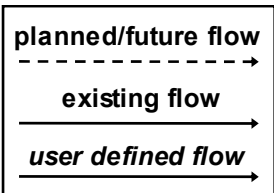
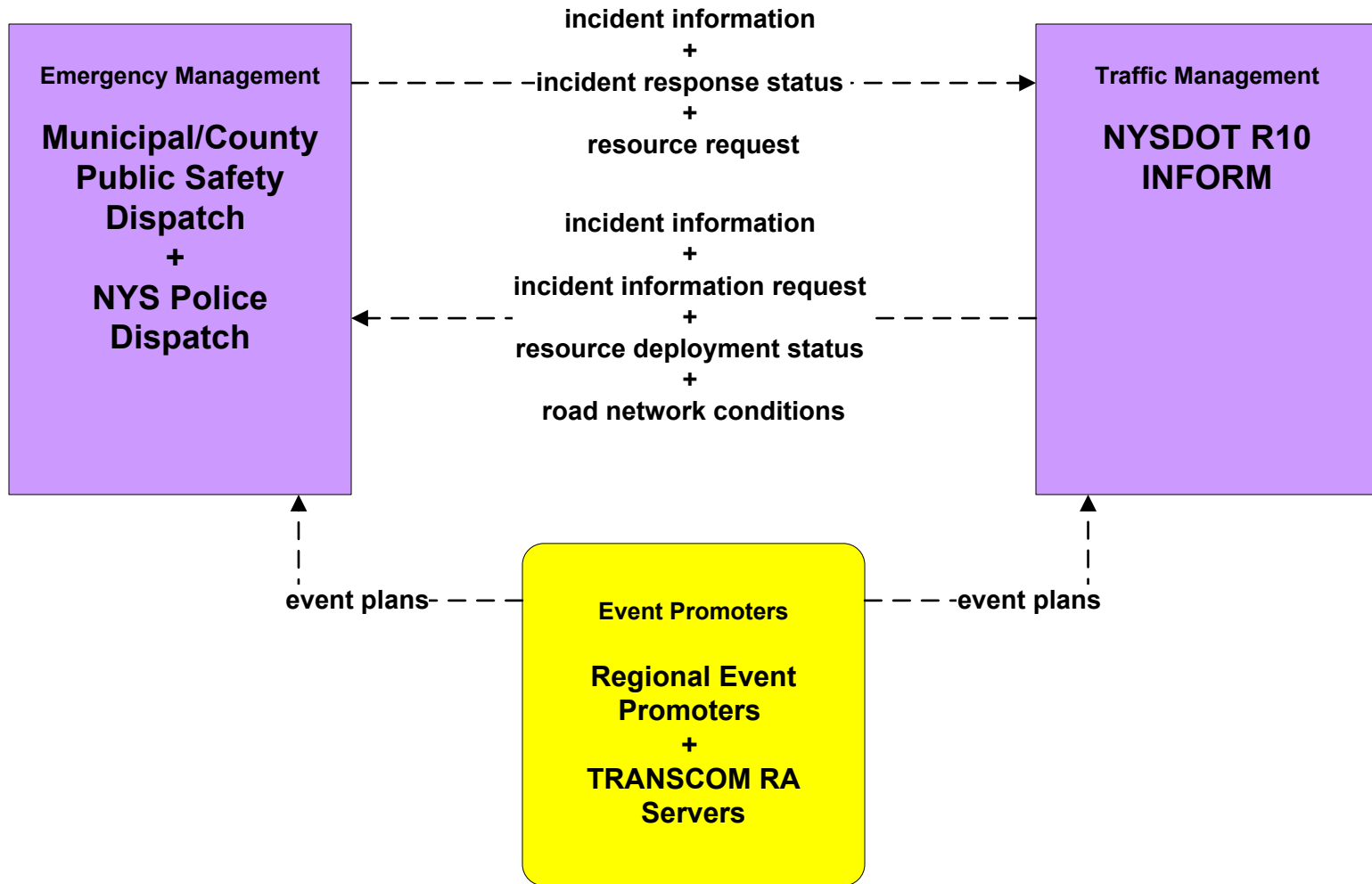
# ATMS08 - Incident Management Long Island Municipal/County TMCs



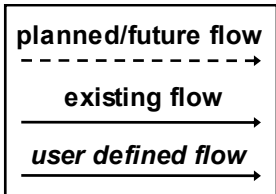
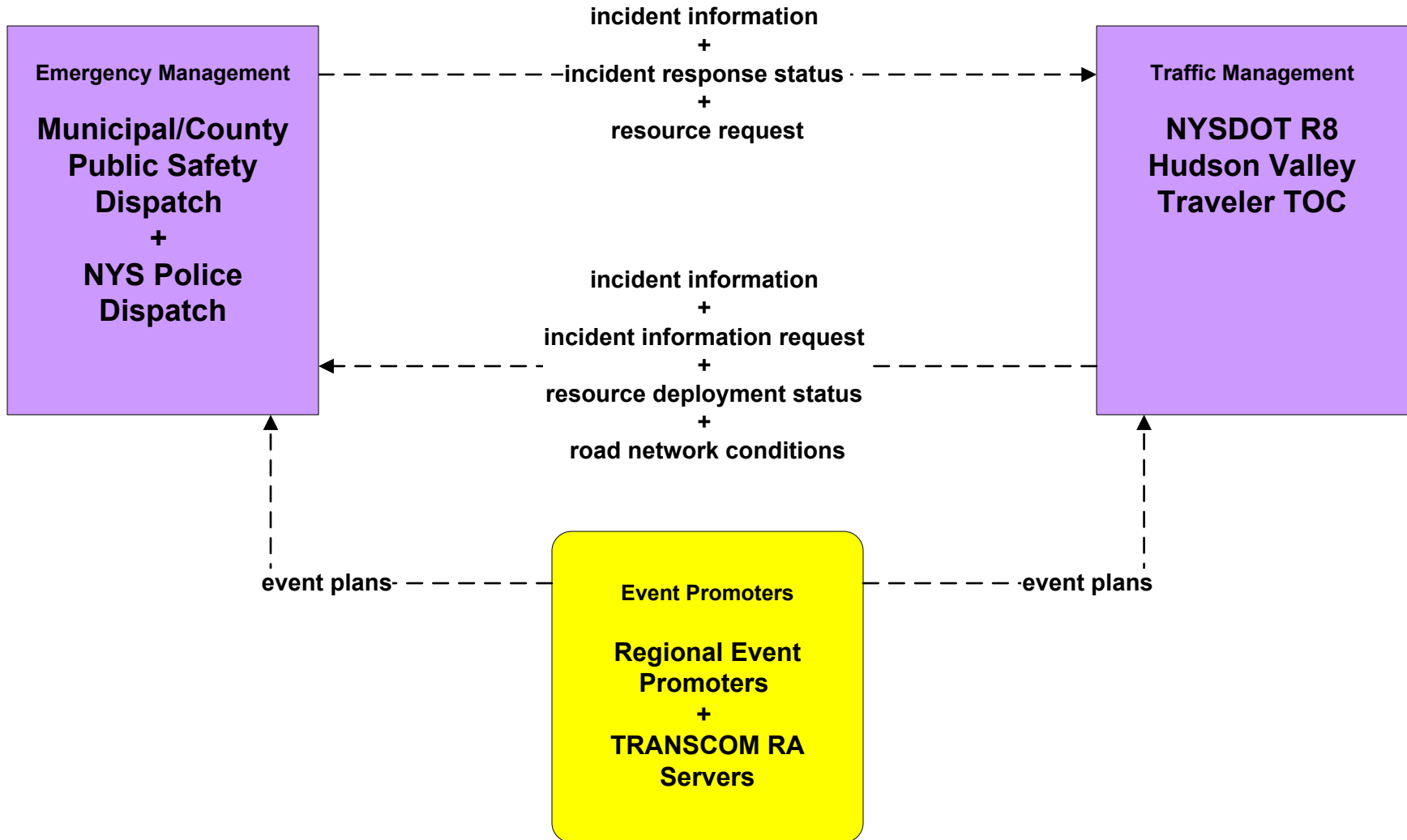
# ATMS08 - Incident Management Mid Hudson Municipal/County TMCs



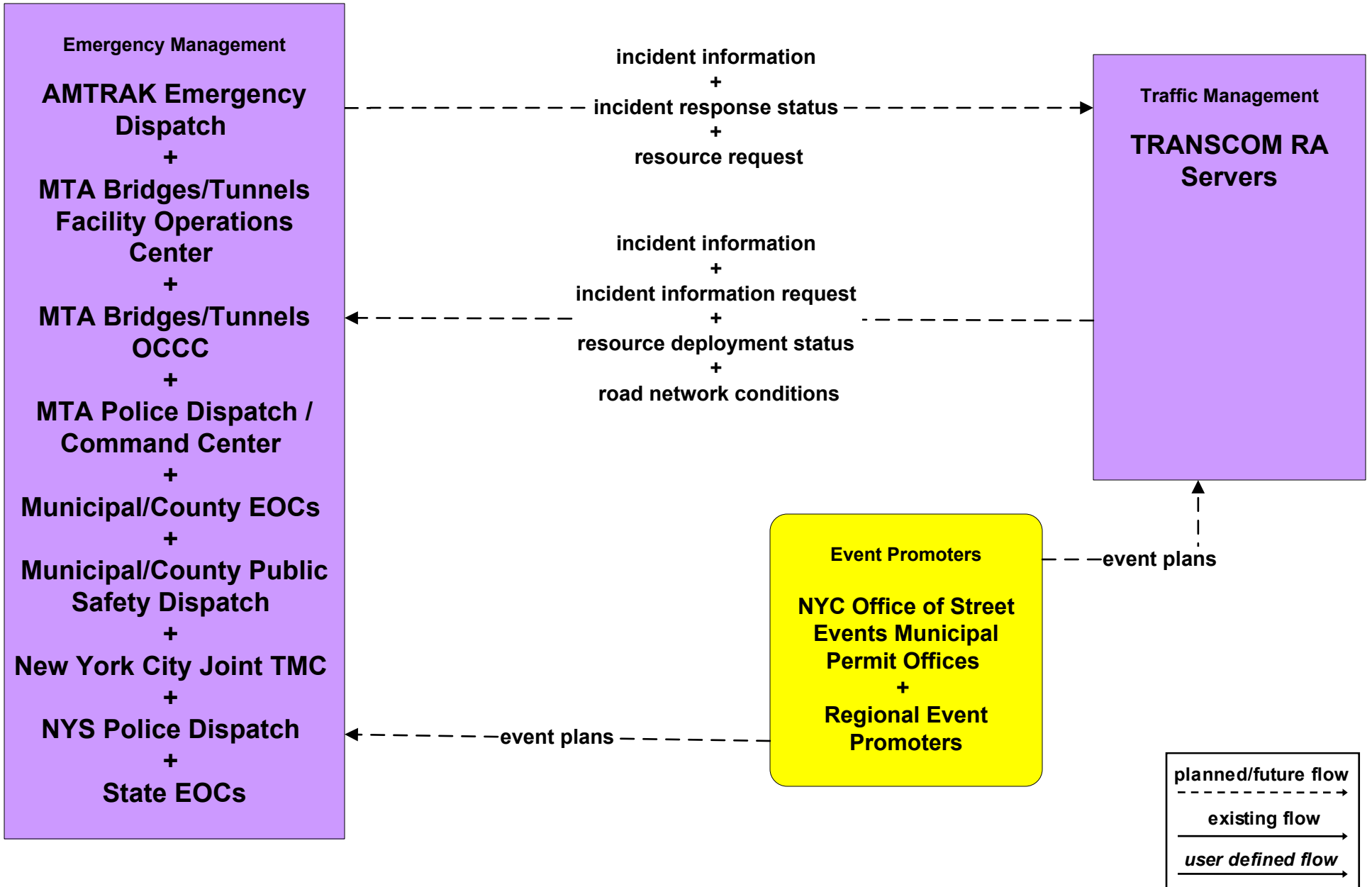
# ATMS08 - Incident Management NYSDOT R10 INFORM



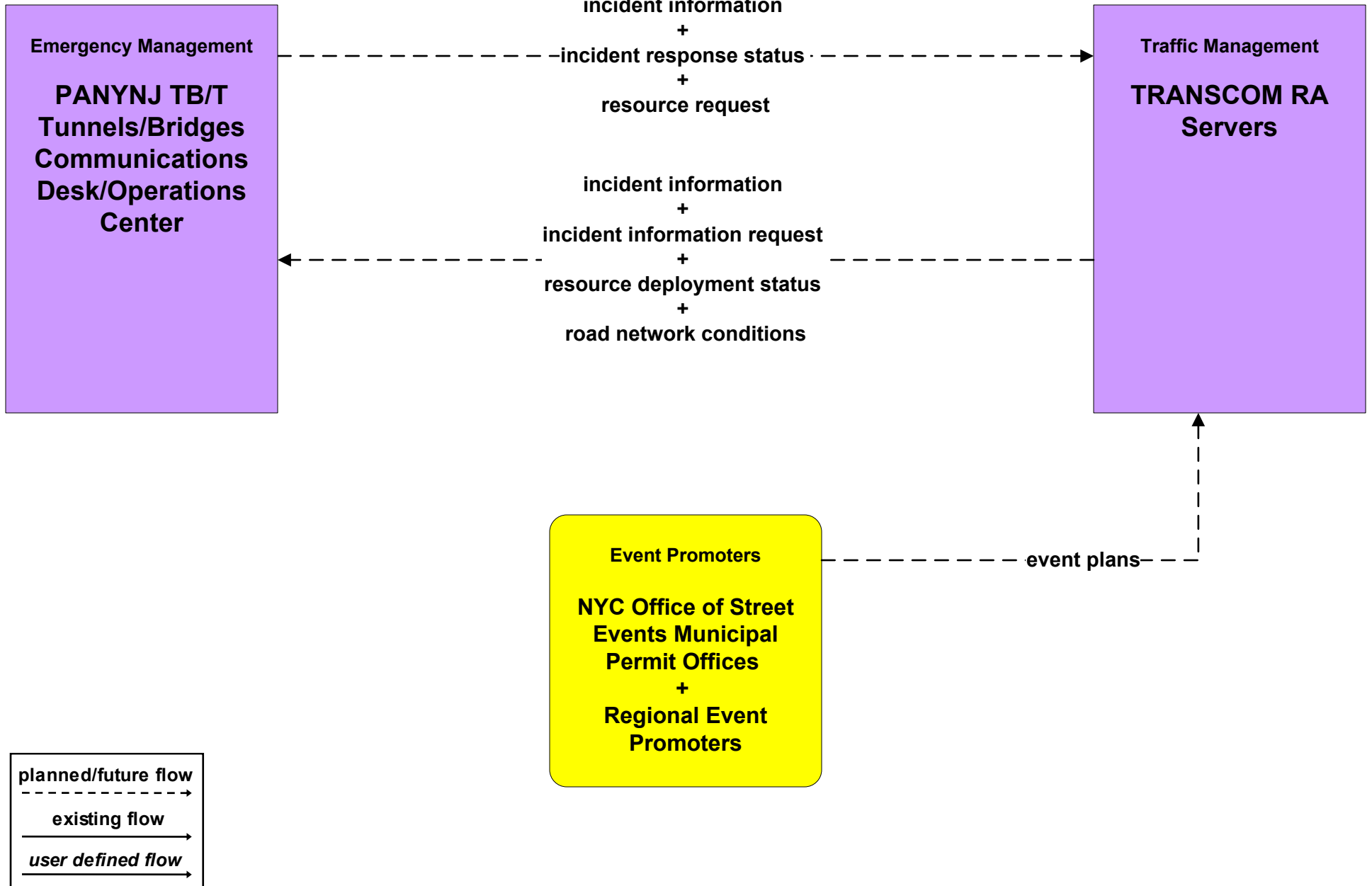
**ATMS08 - Incident Management  
NYSDOT R8 Hudson Valley Traveler TOC**



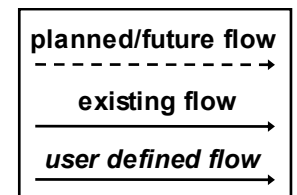
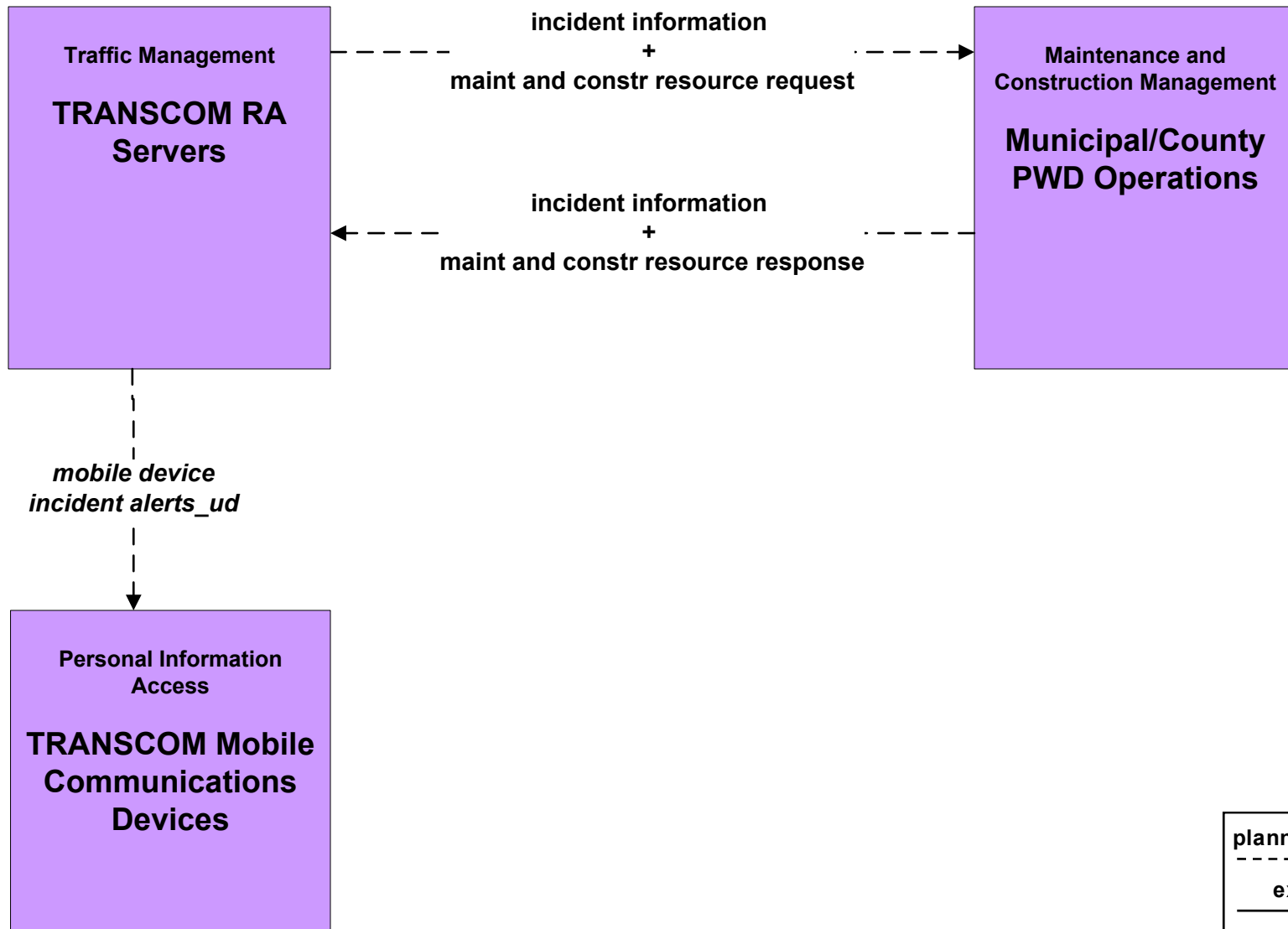
**ATMS08 - Incident Management  
TRANSCOM OIC (1 of 3)**



**ATMS08 - Incident Management  
TRANSCOM OIC (2 of 3)**

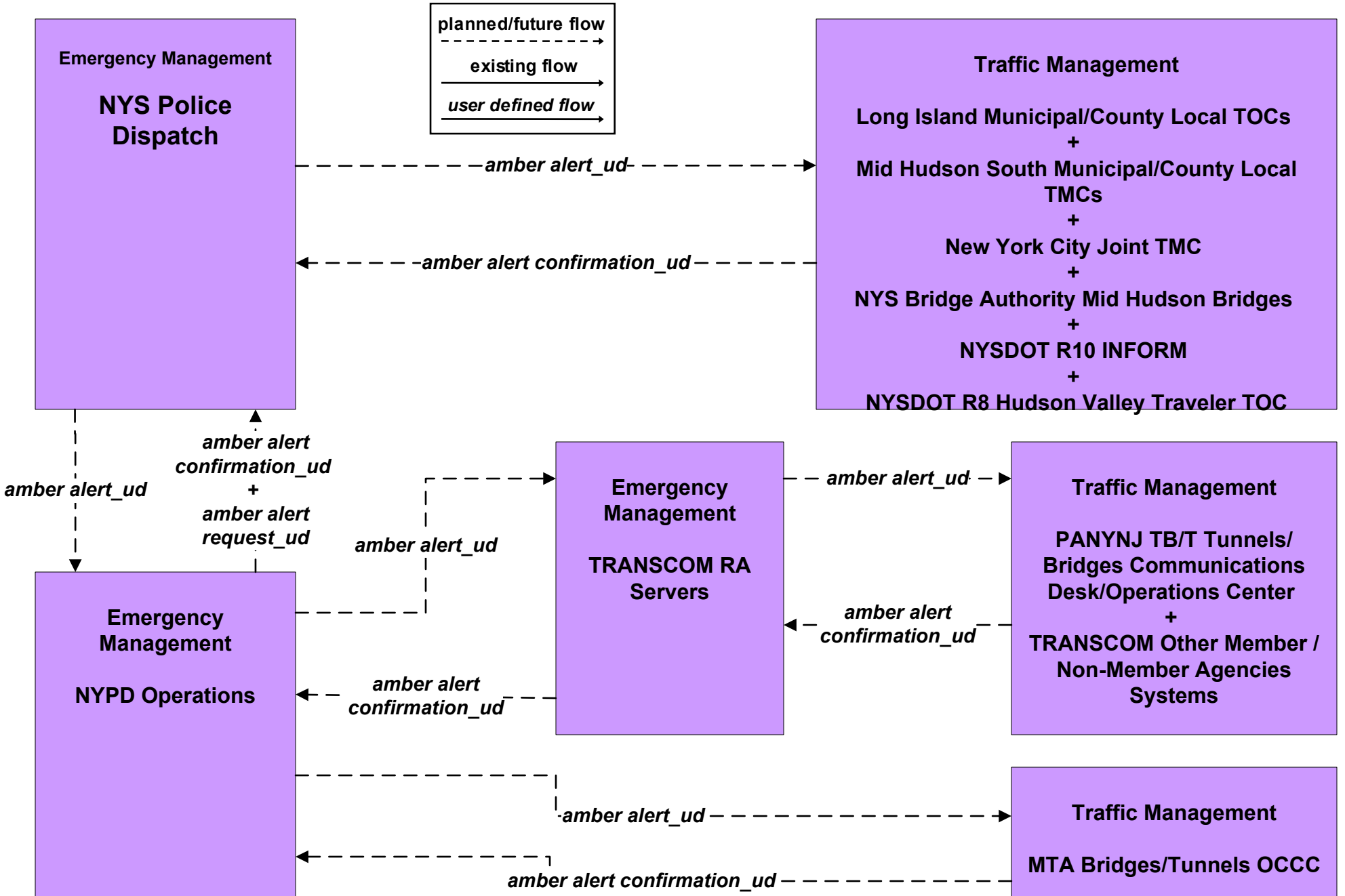


**ATMS08 - Incident Management  
TRANSCOM OIC (3 of 3)**

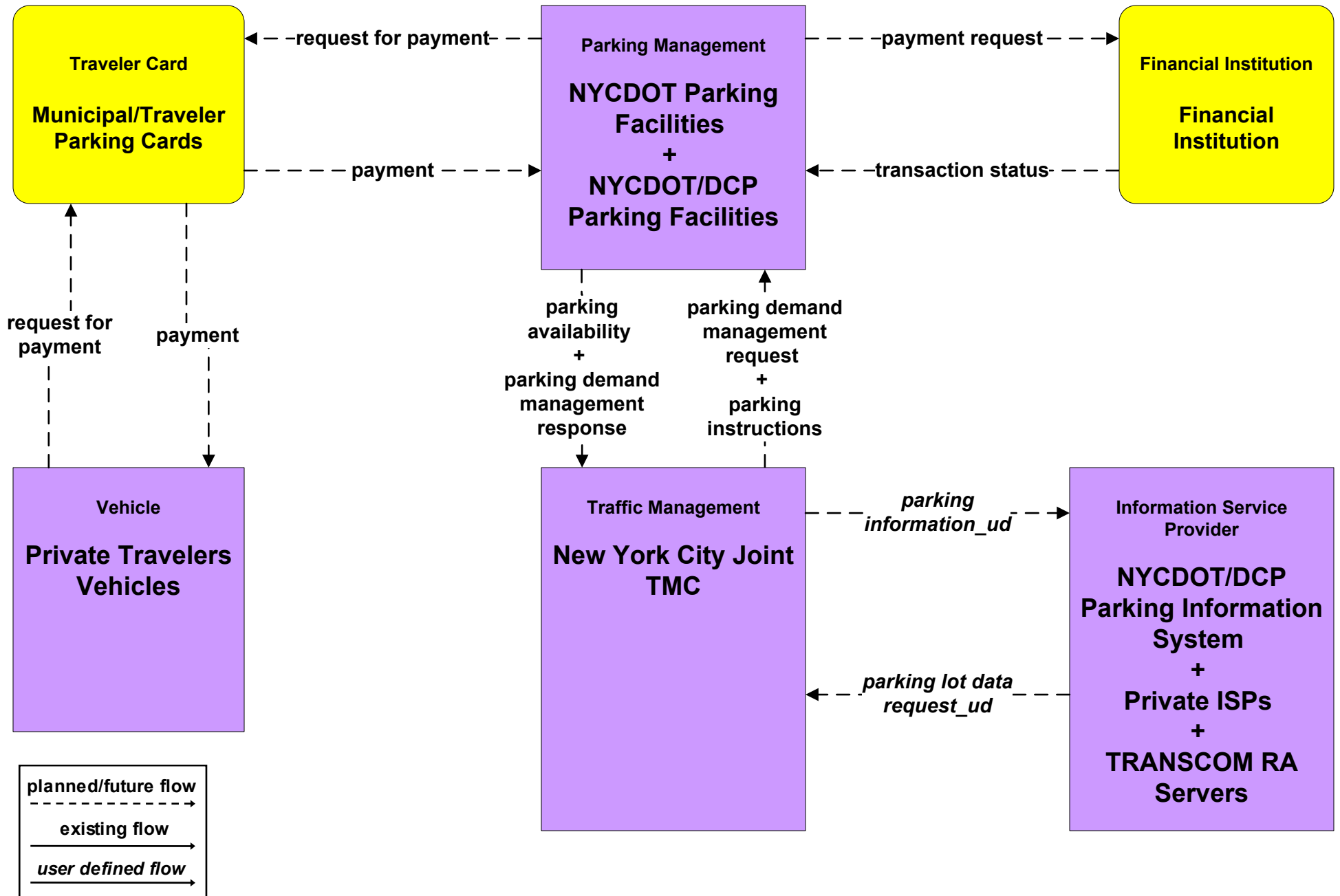




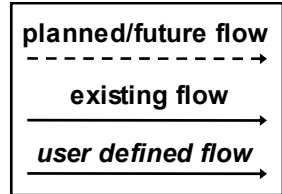
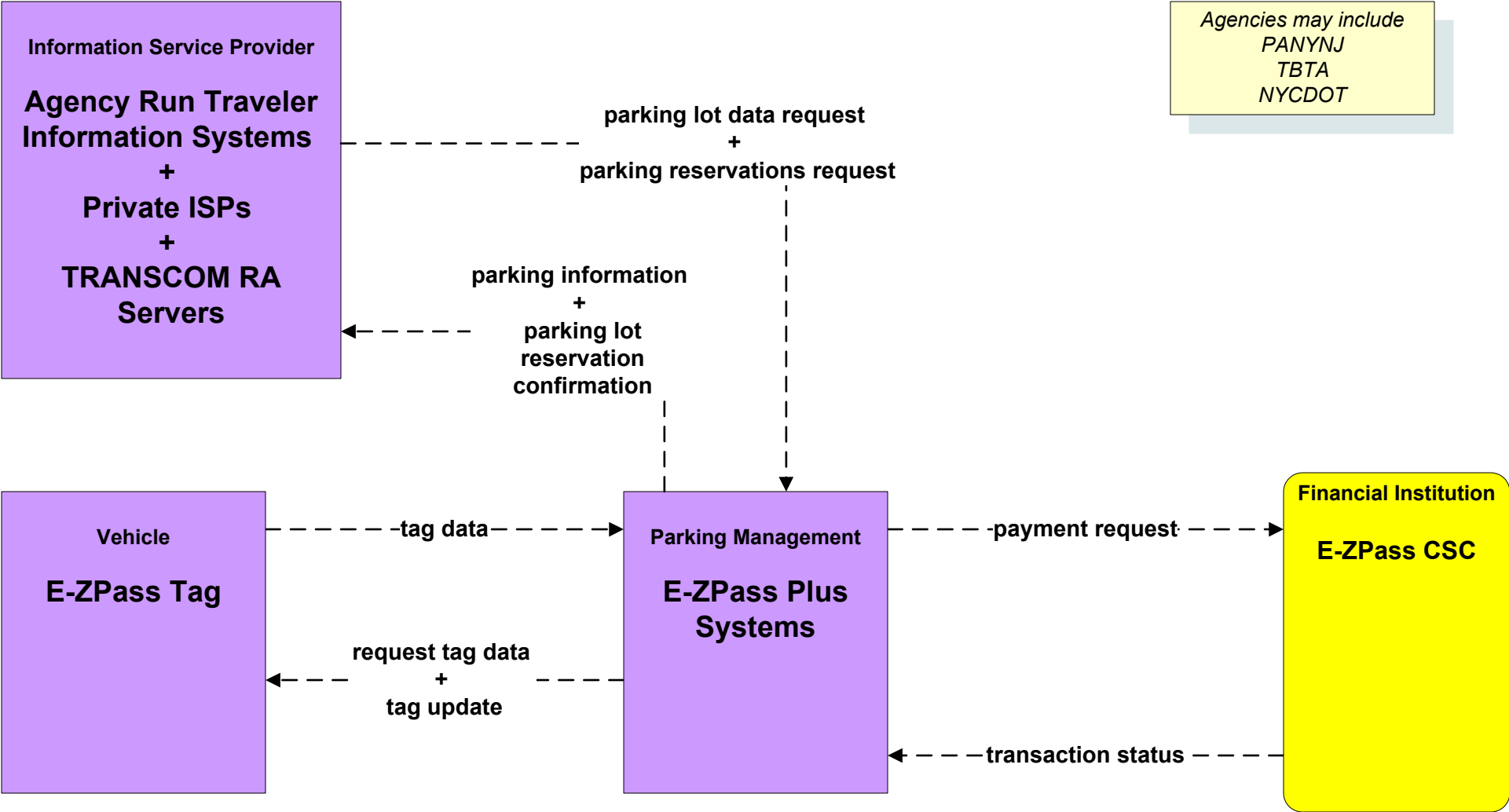
# ATMS08 - Incident Management Amber Alert



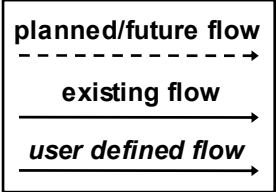
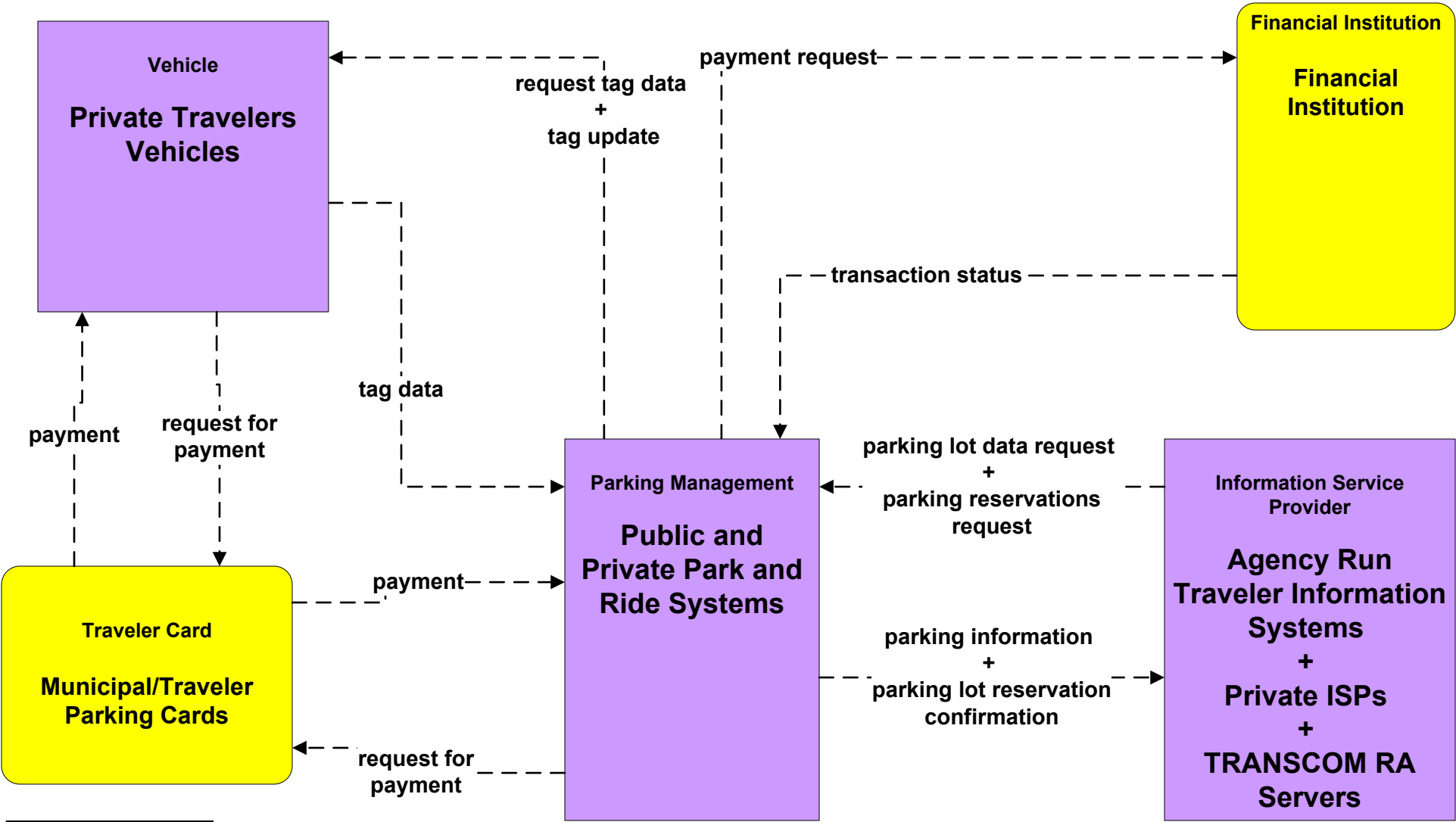
# ATMS16 - Parking Facility Management NYCDOT DOT/DCP



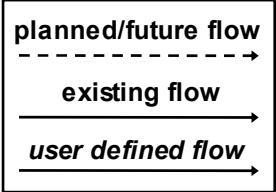
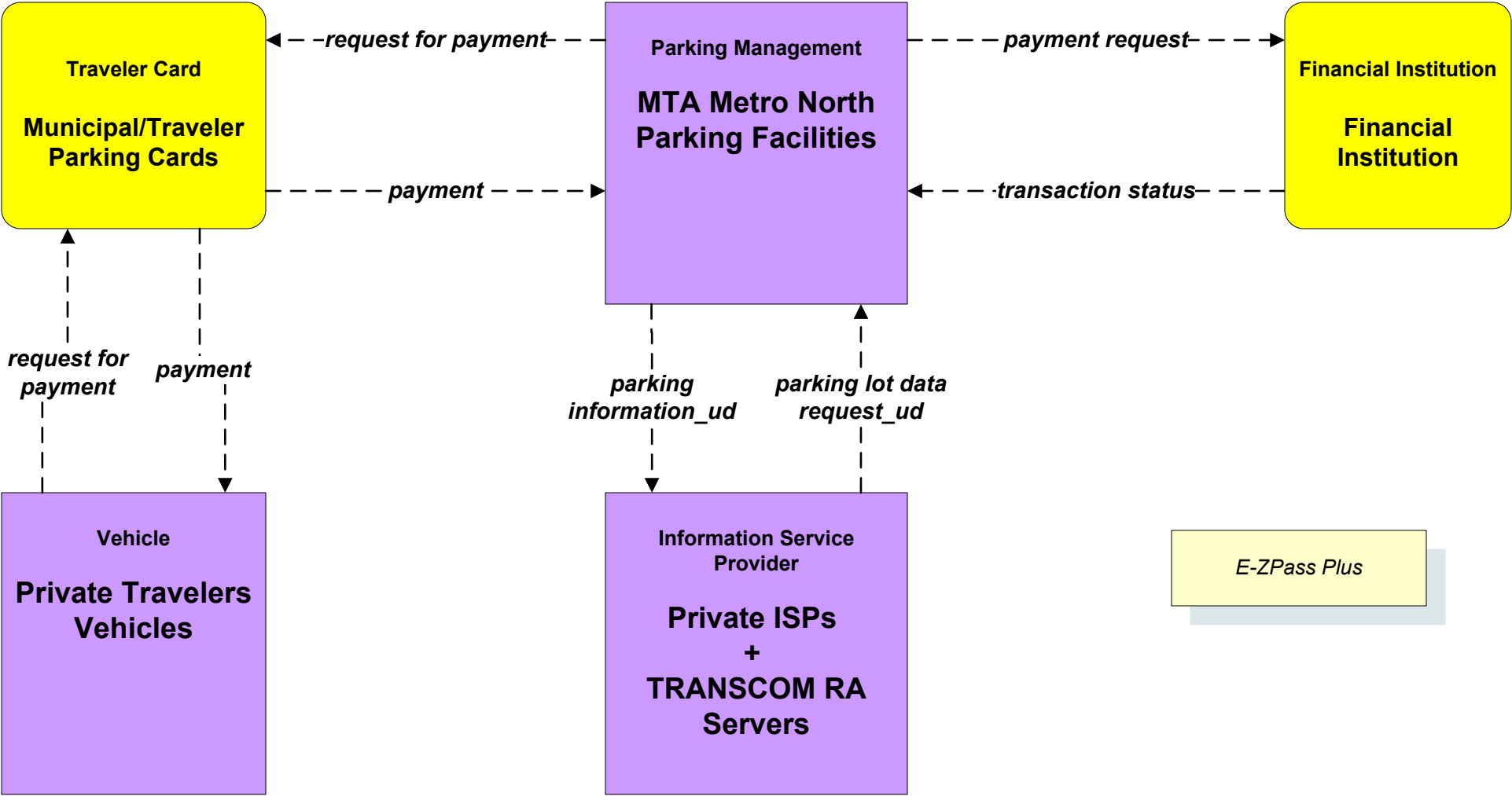
# ATMS16 - Parking Facility Management E-ZPass Plus Parking Systems



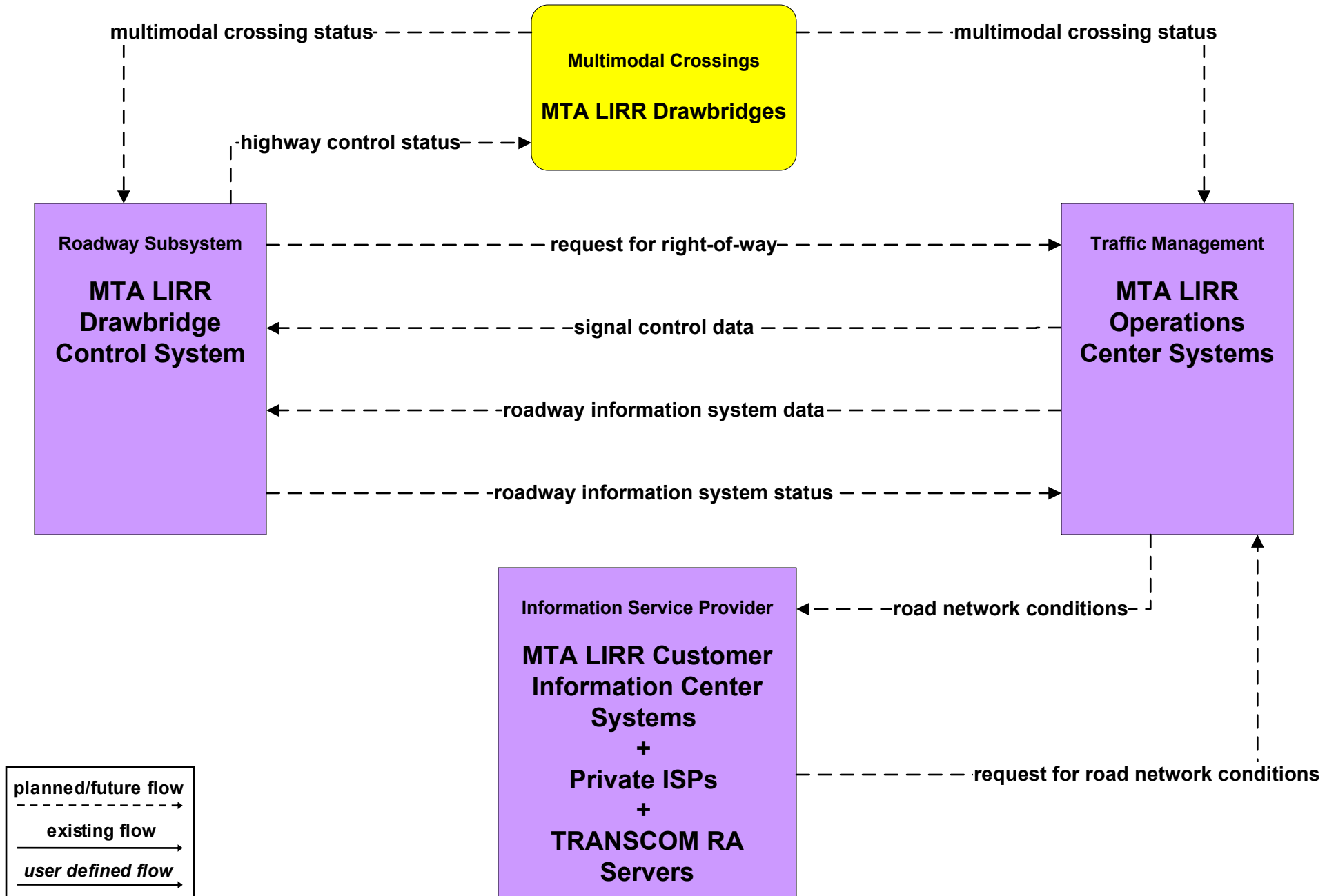
# ATMS16 - Parking Facility Management Public and Private Park and Ride



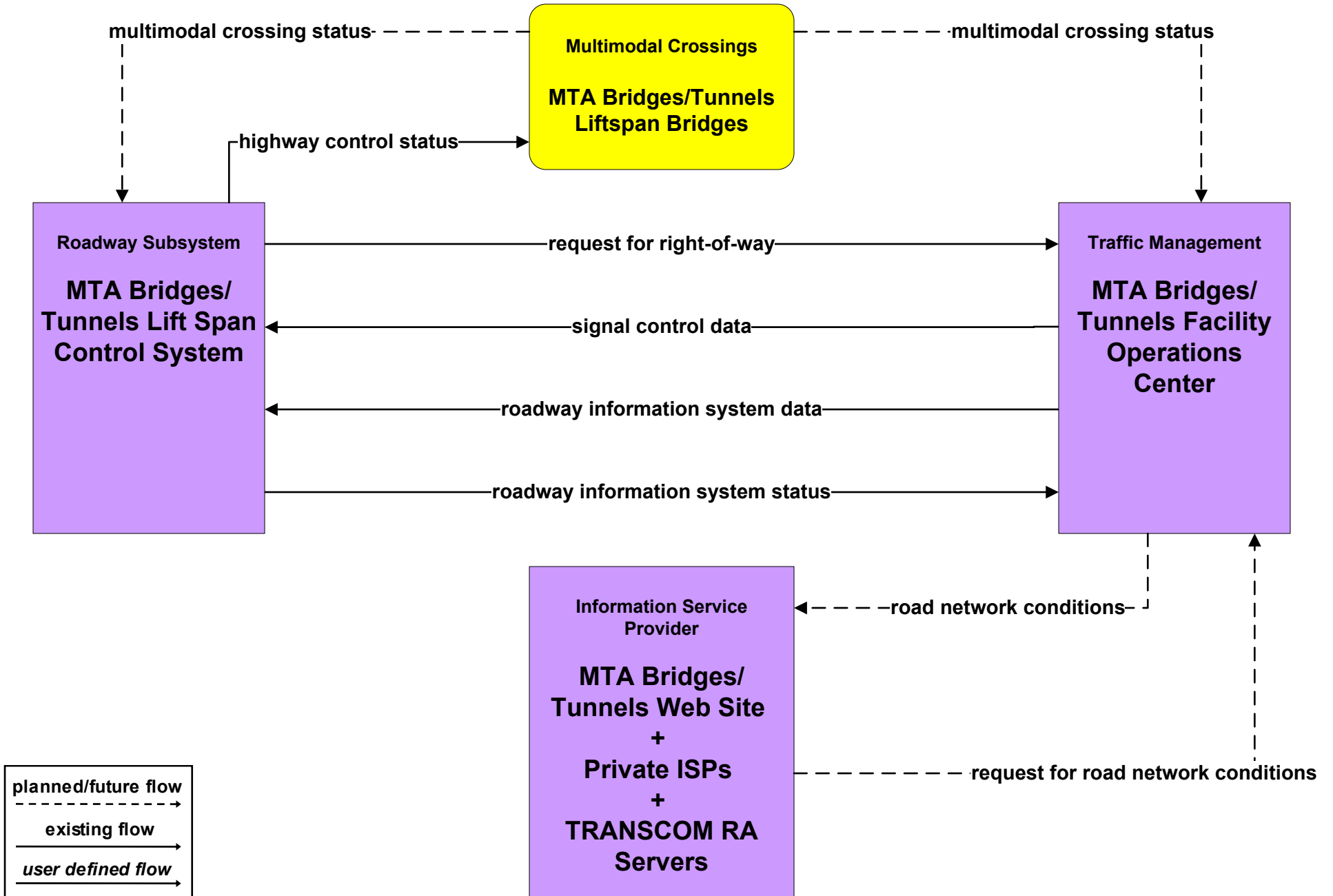
**ATMS16 - Parking Facility Management  
MTA Metro North Parking Facilities**



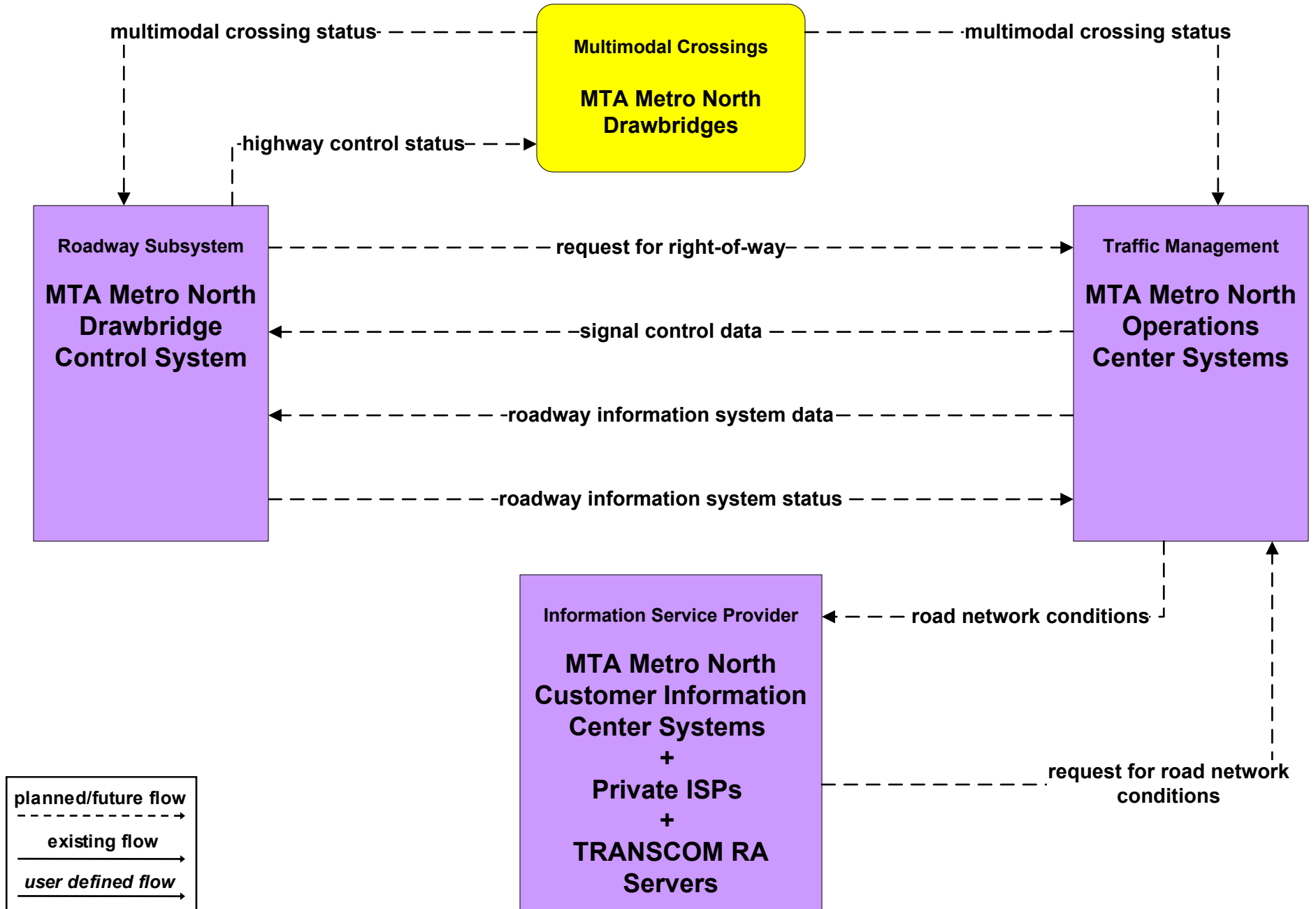
# ATMS20 - Drawbridge Management MTA Long Island Railroad



# ATMS20 - Drawbridge Management MTA Bridges and Tunnels

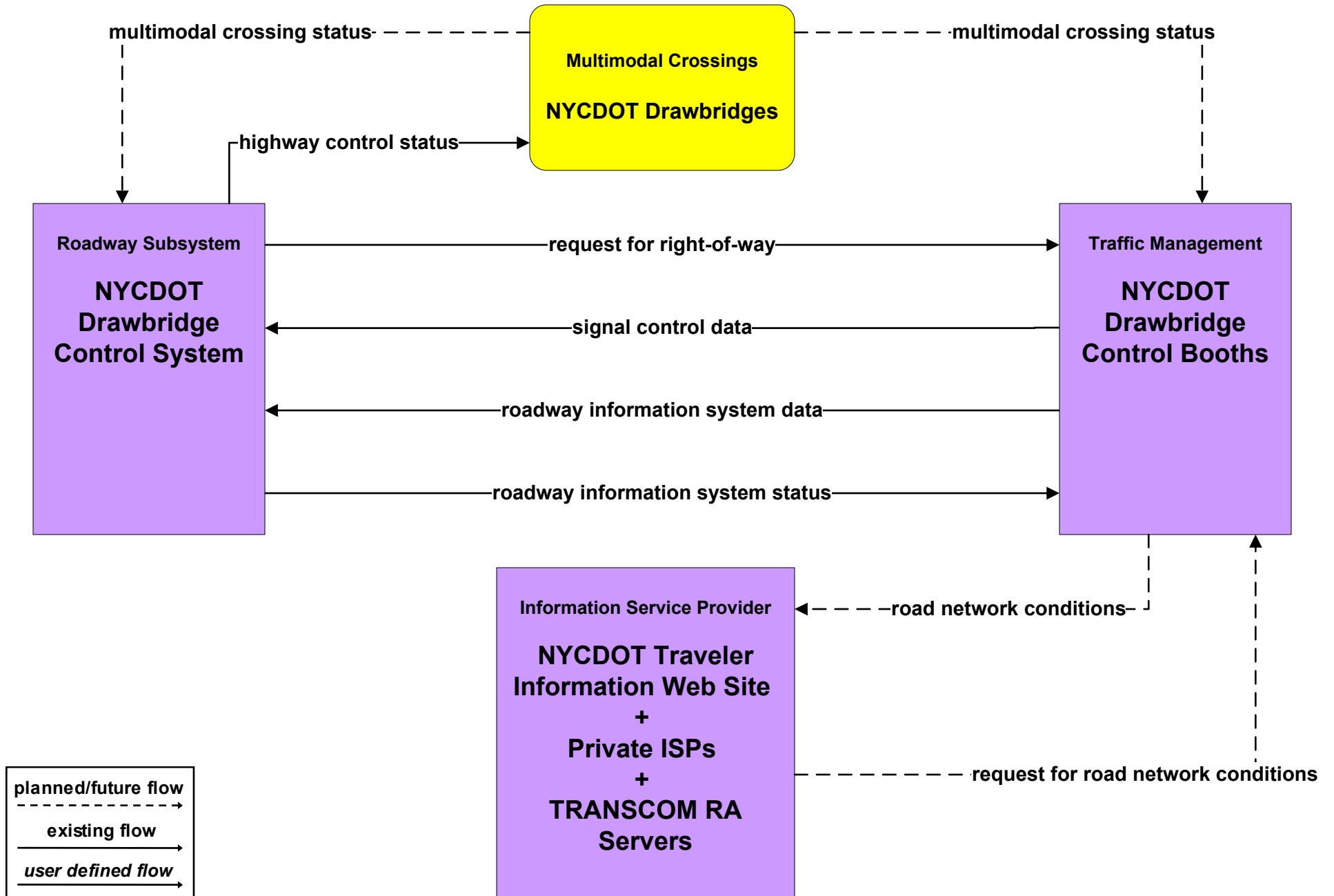


# ATMS20 - Drawbridge Management MTA Metro North Railroad

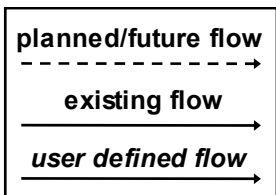
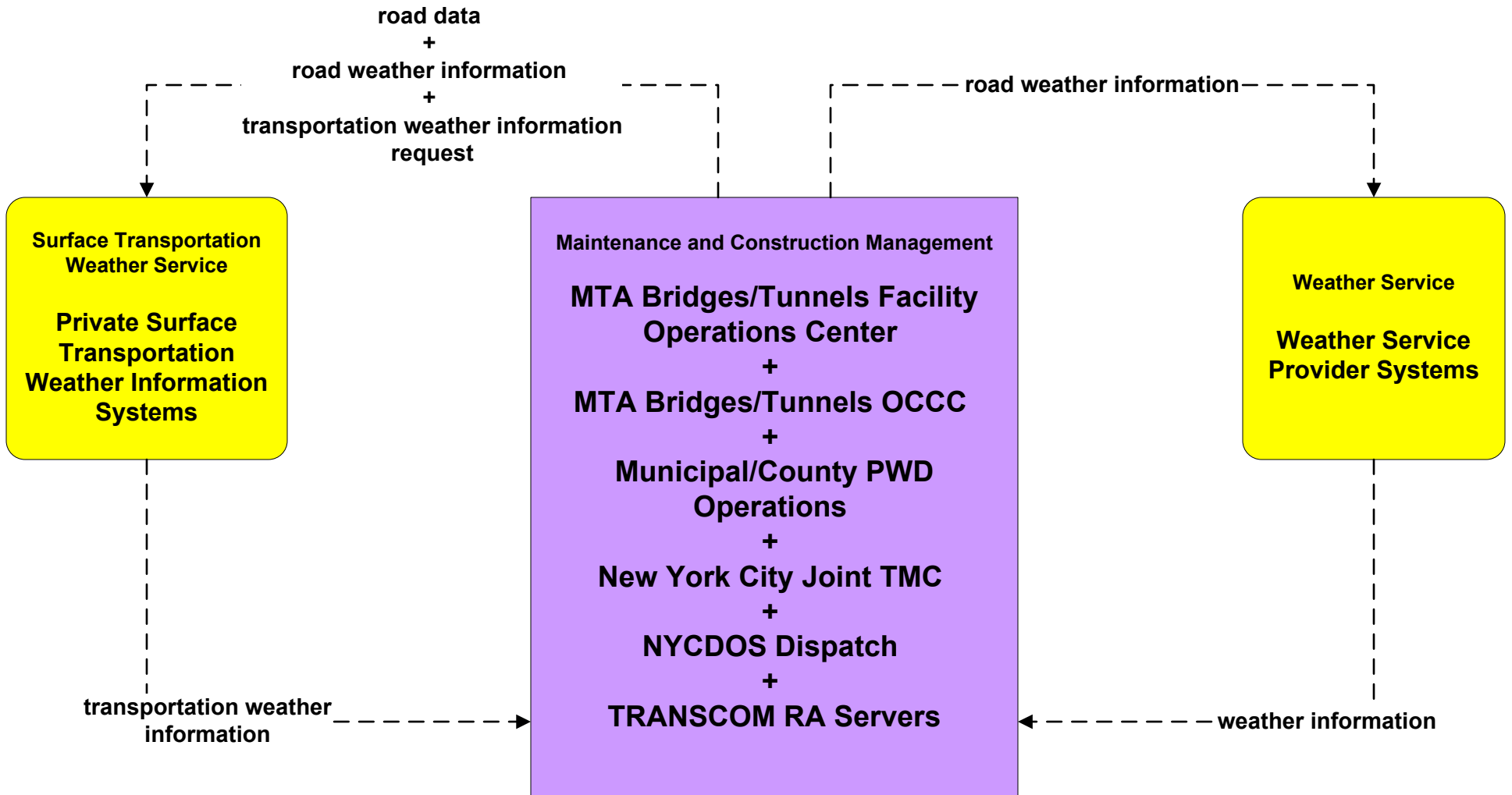


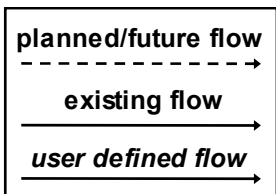
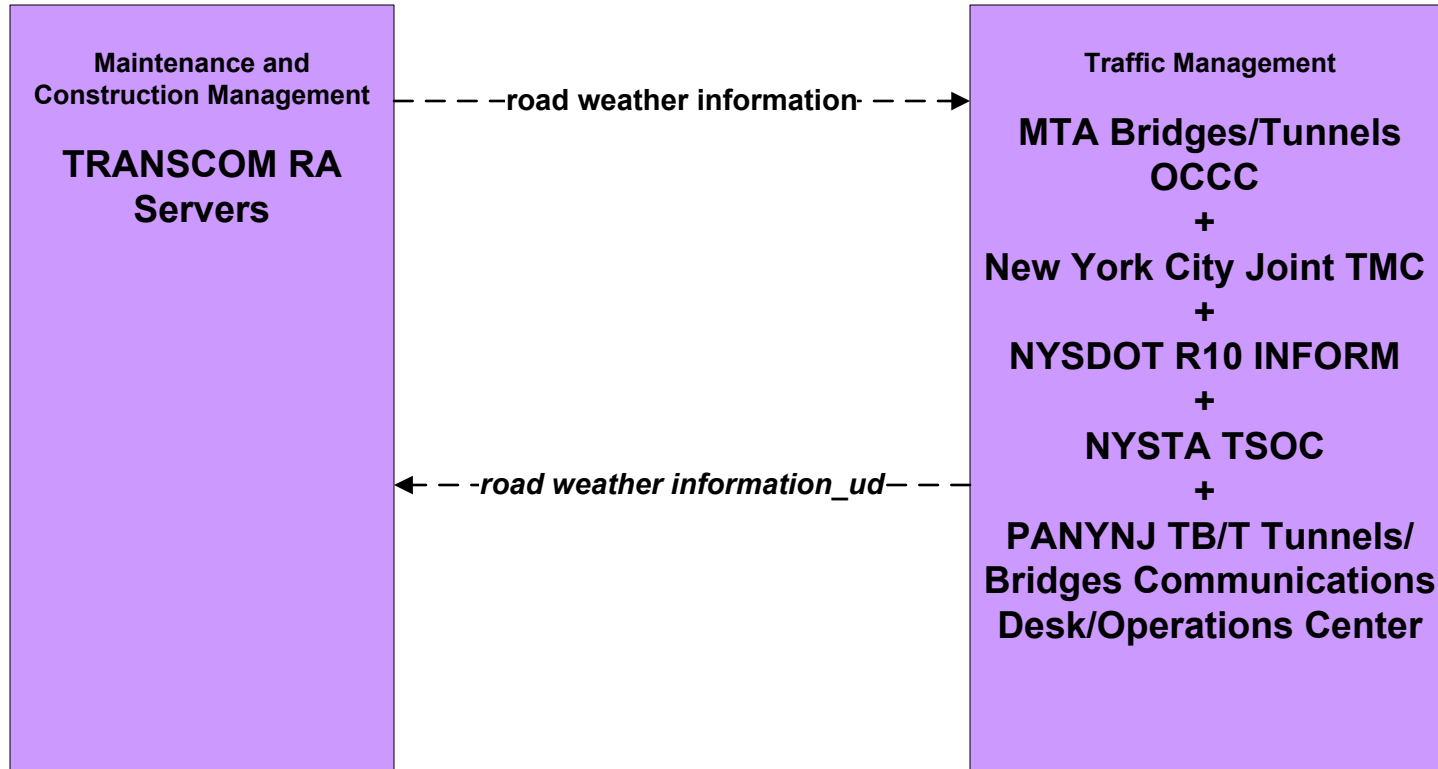


# ATMS20 - Drawbridge Management NYC DOT



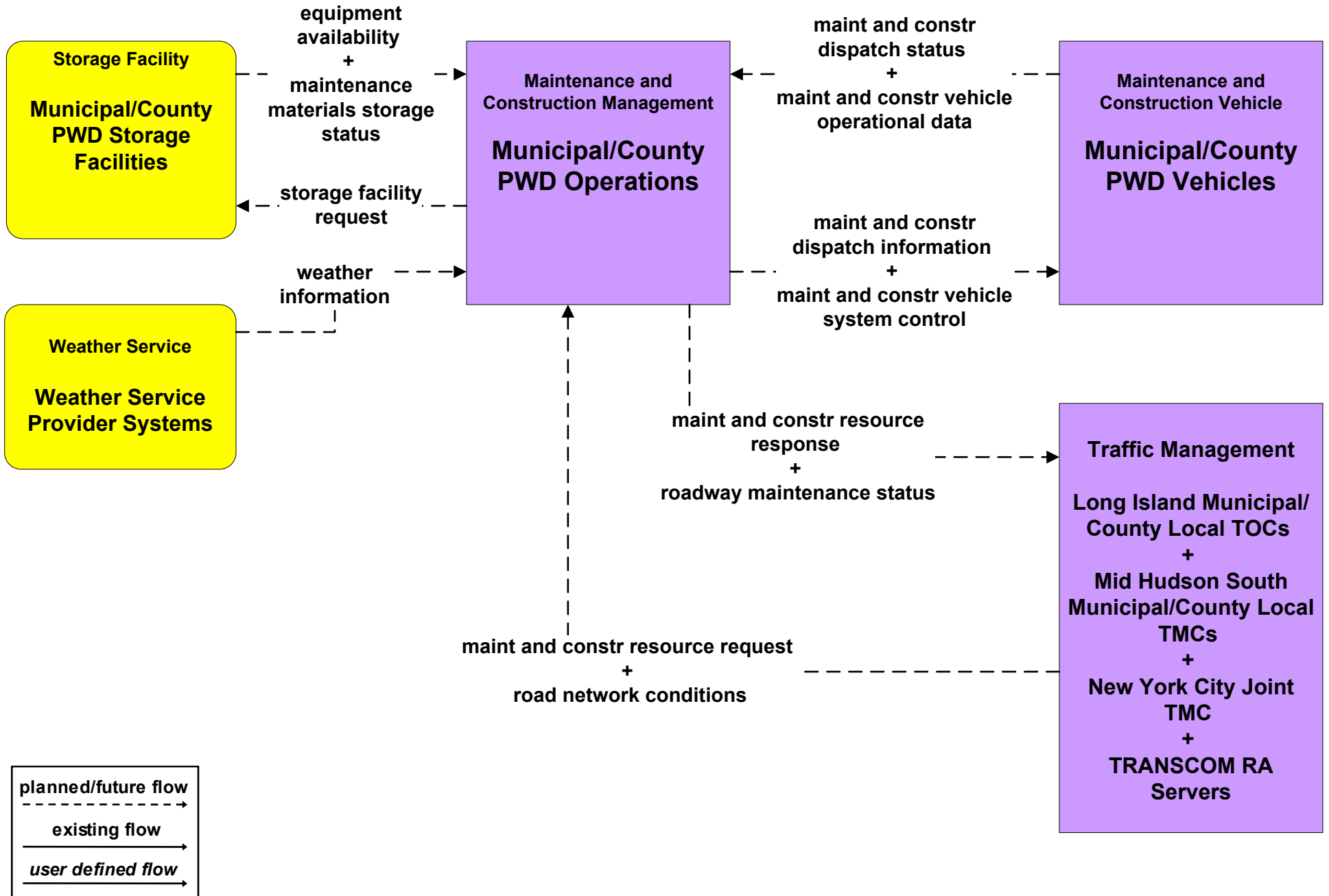
**MC04 - Weather Information Processing and Distribution  
Private Surface Transportation and National Weather Service**



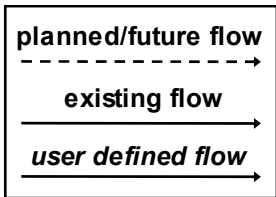
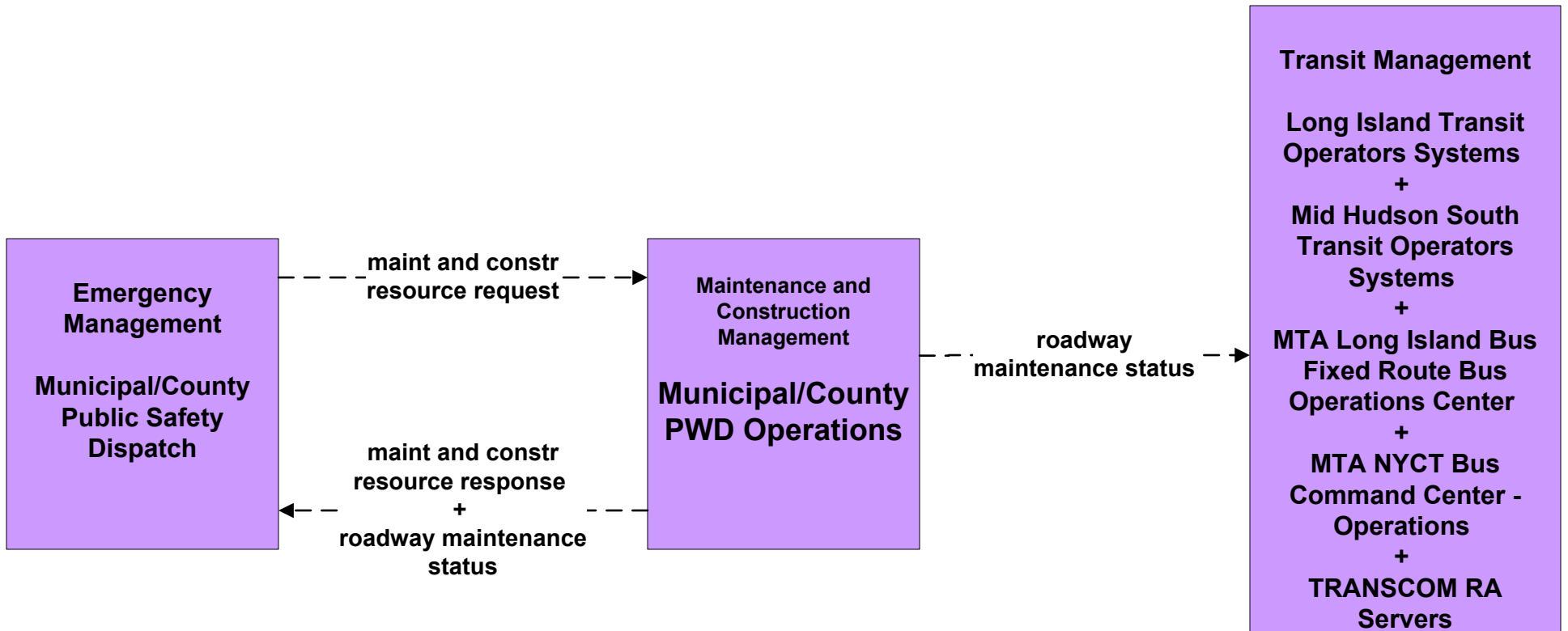


# MC06 - Winter Maintenance

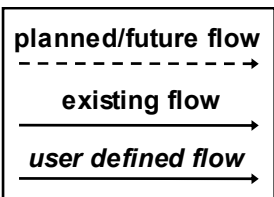
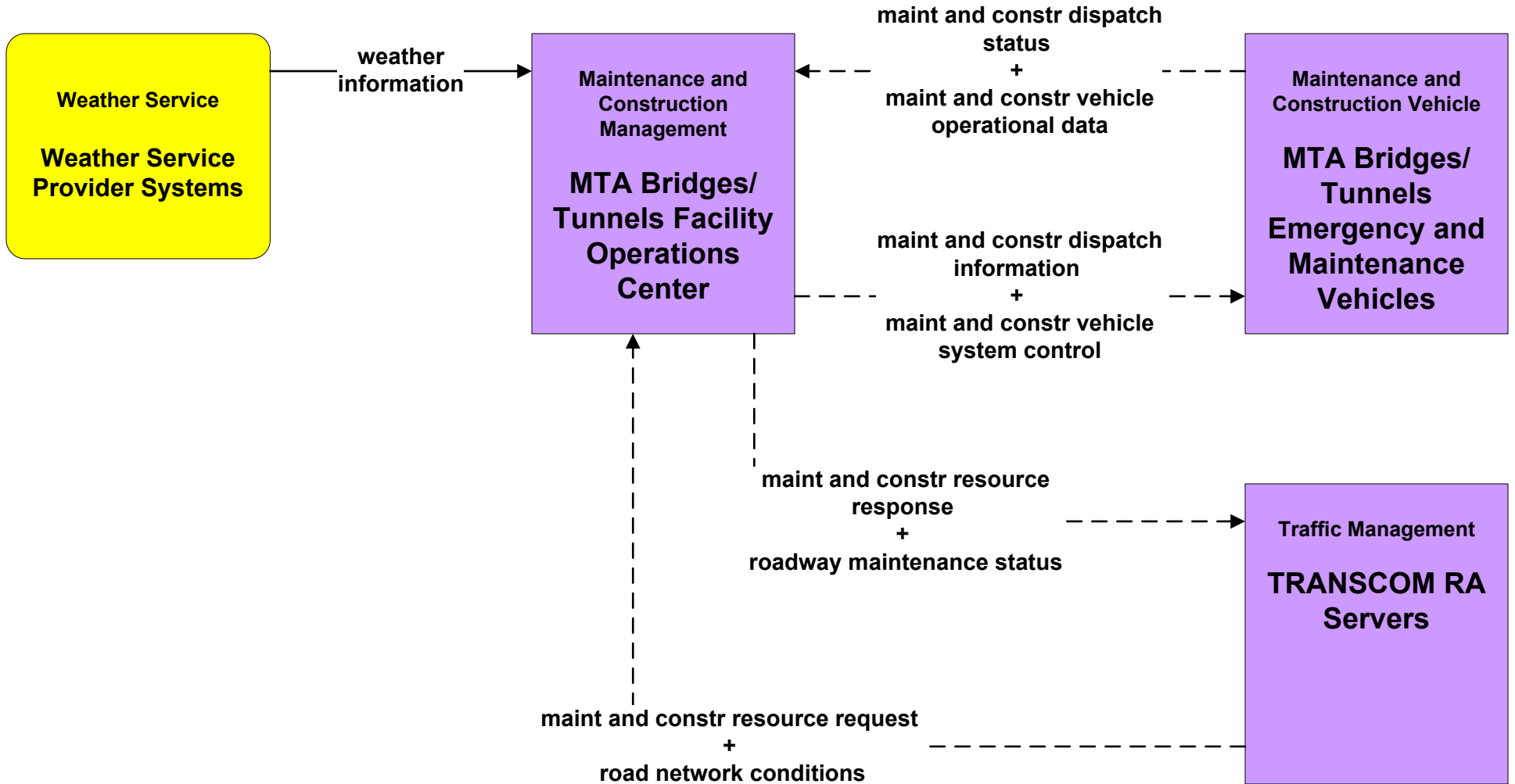
## Municipal/County PWD Operations (1 of 2)



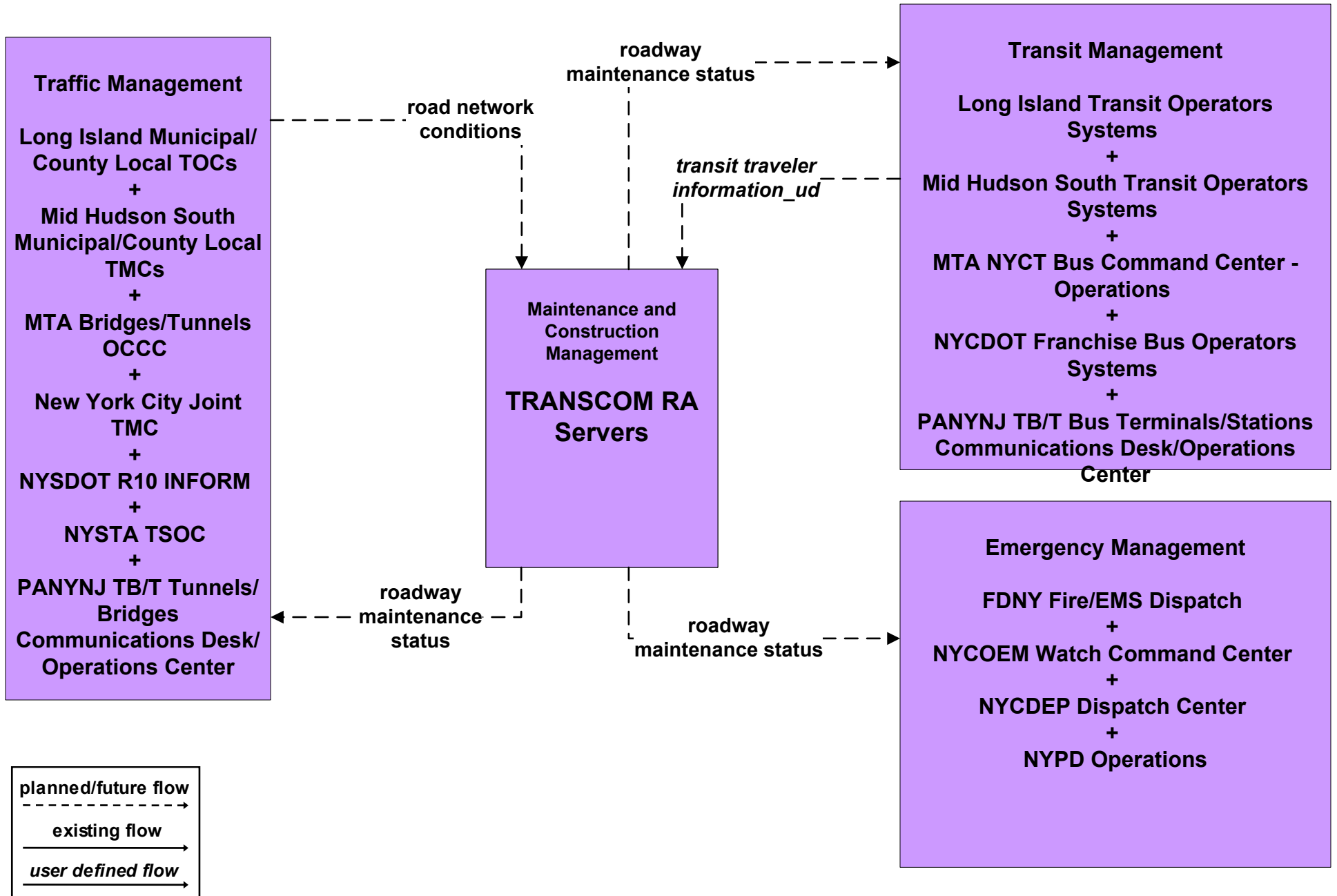
**MC06 - Winter Maintenance  
Municipal/County PWD Operations (2 of 2)**



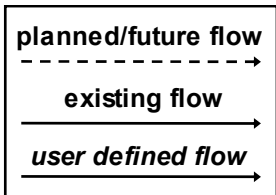
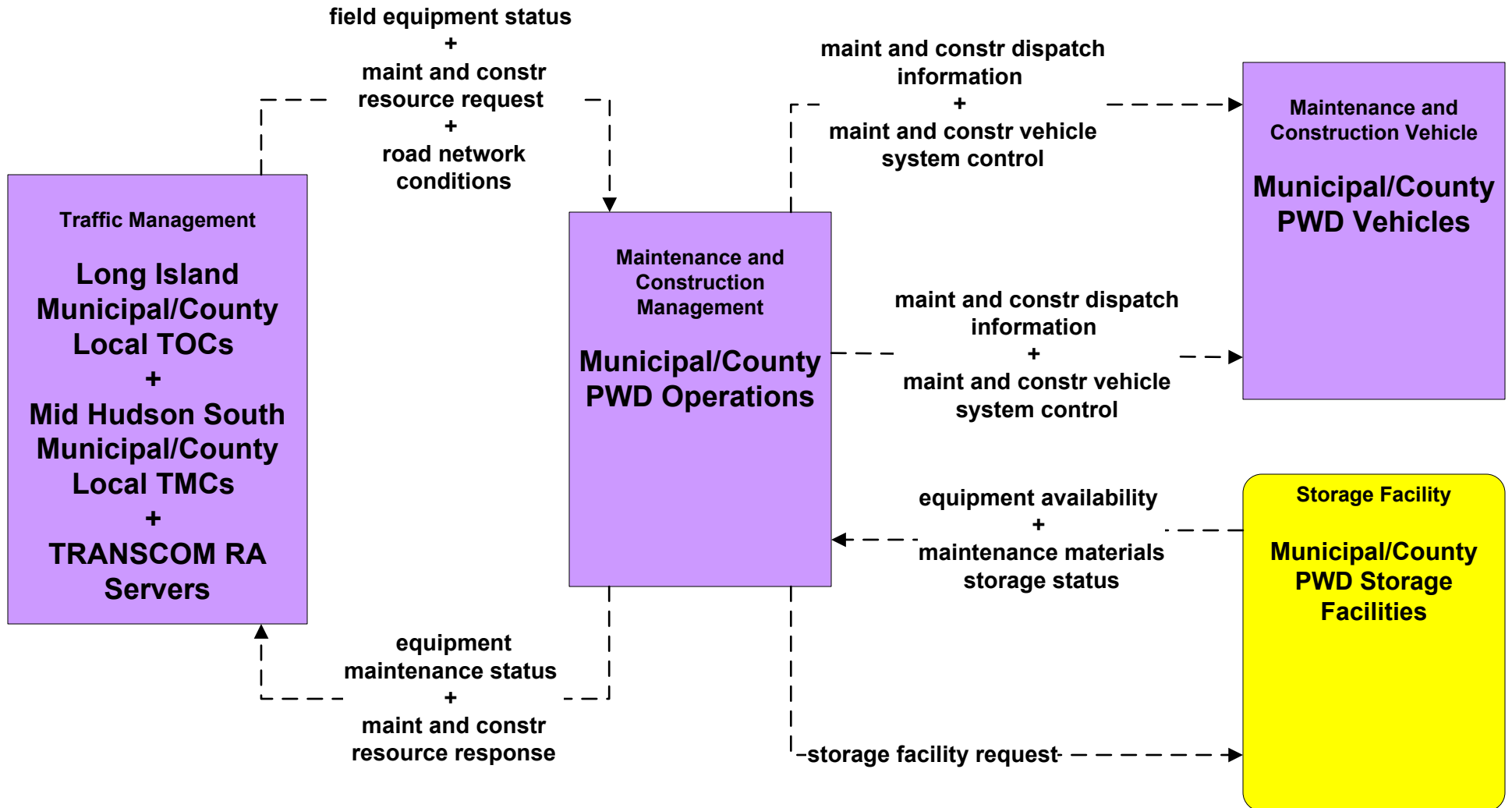
# MC06 - Winter Maintenance MTA Bridges and Tunnels



# MC06 - Winter Maintenance TRANSCOM

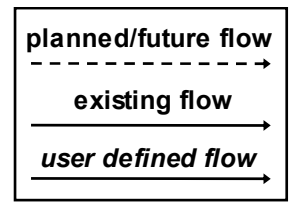
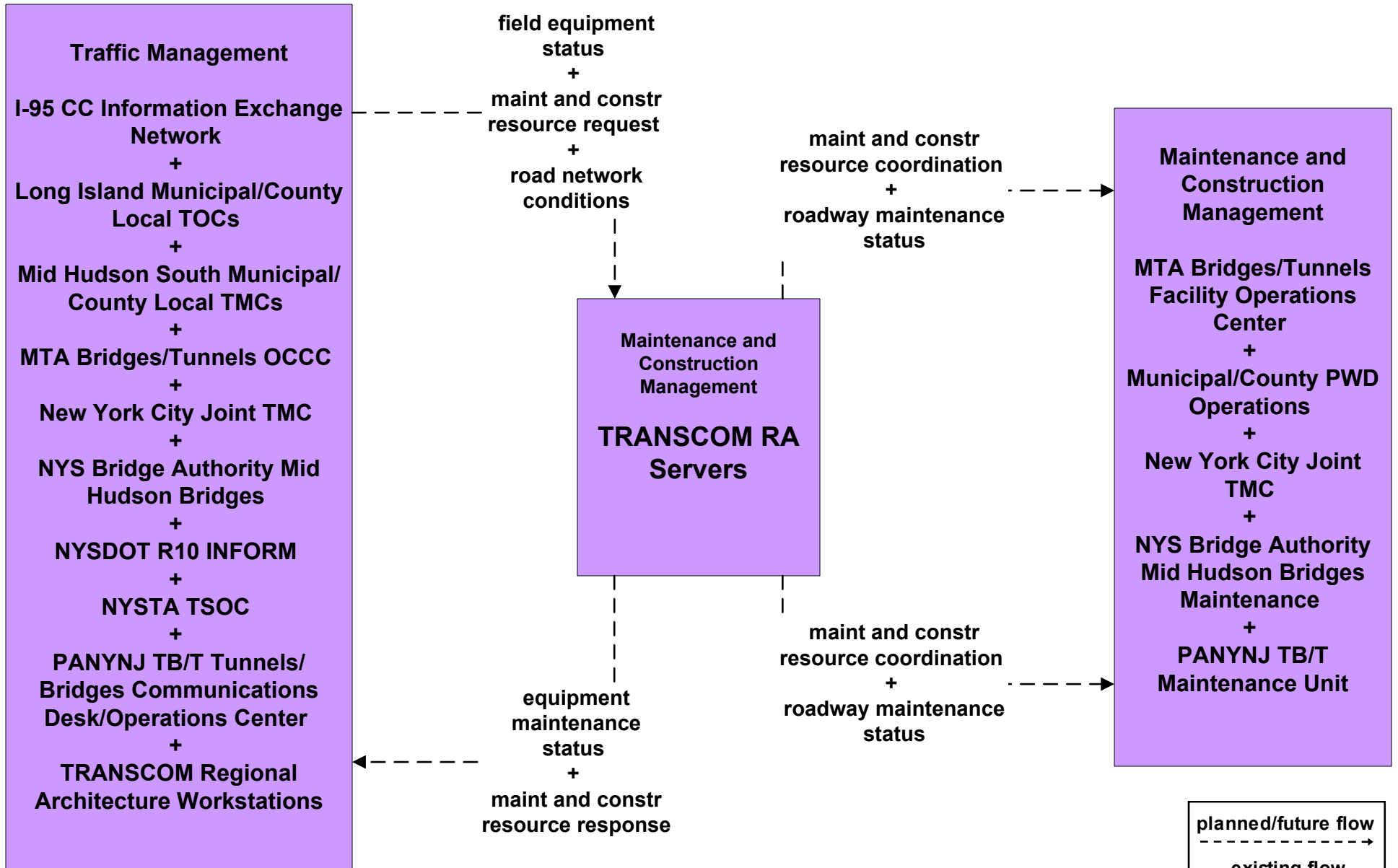


# MC07 - Roadway Maintenance and Construction Municipal/County PWD Operations

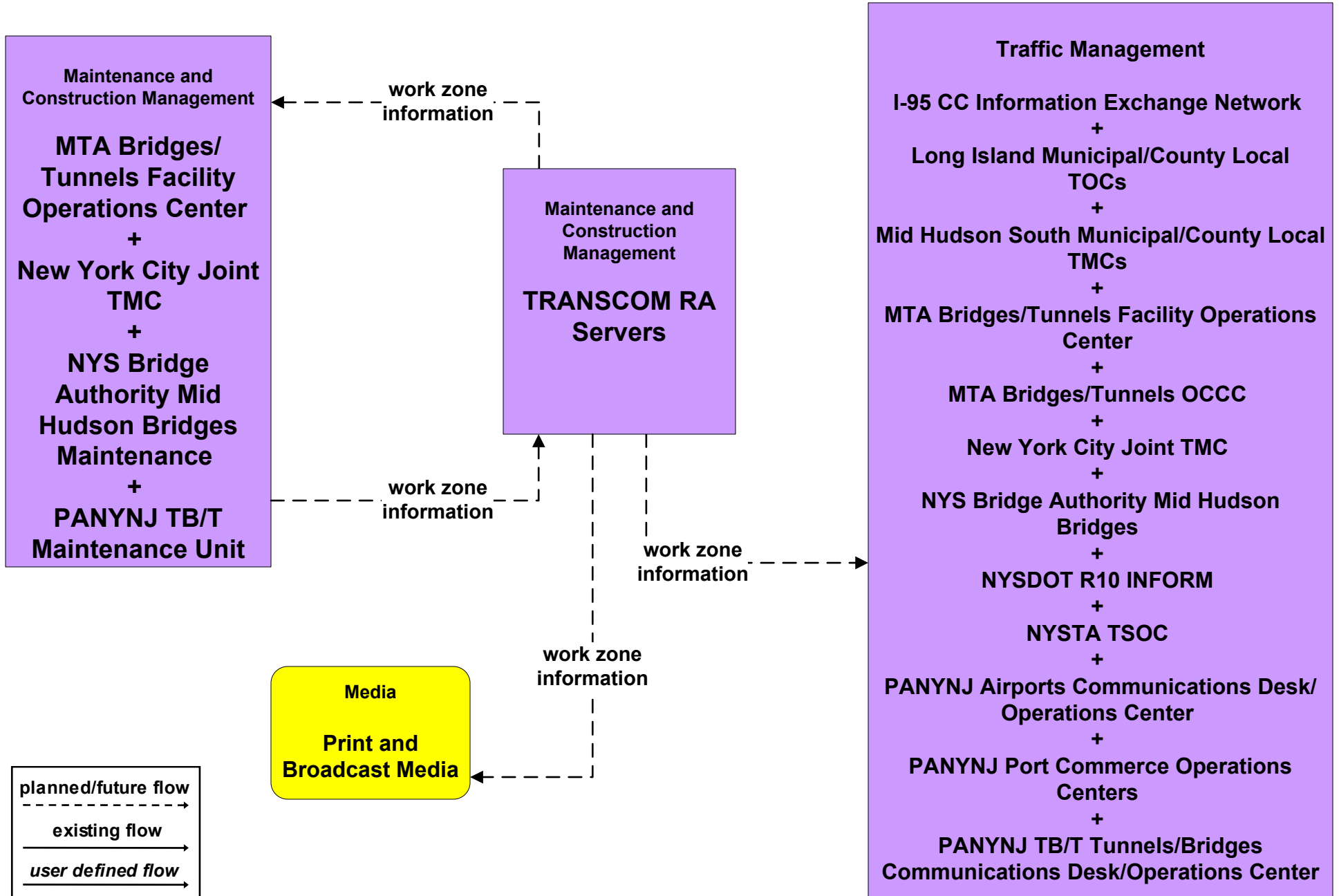




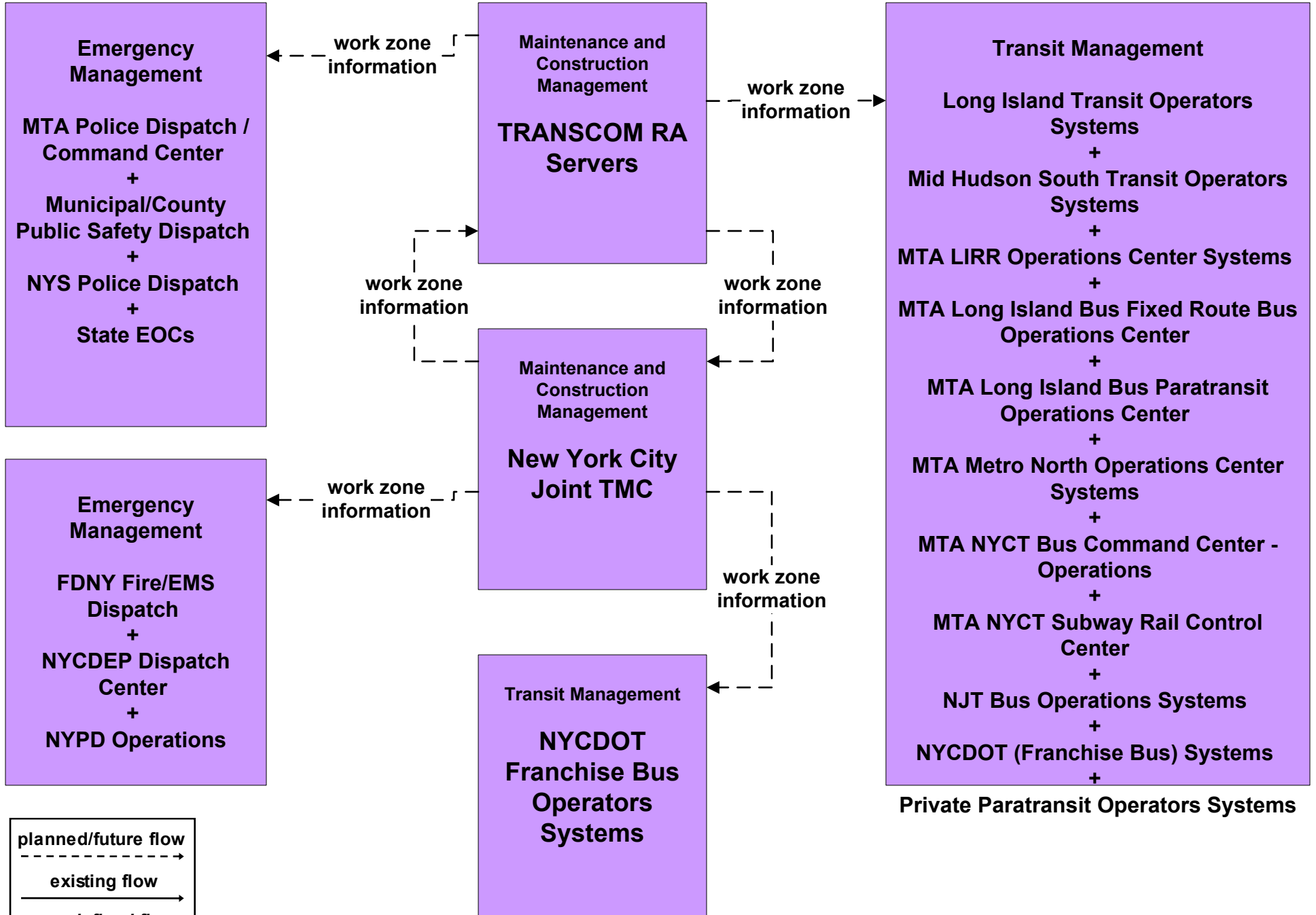
# MC07 - Roadway Maintenance and Construction TRANSCOM



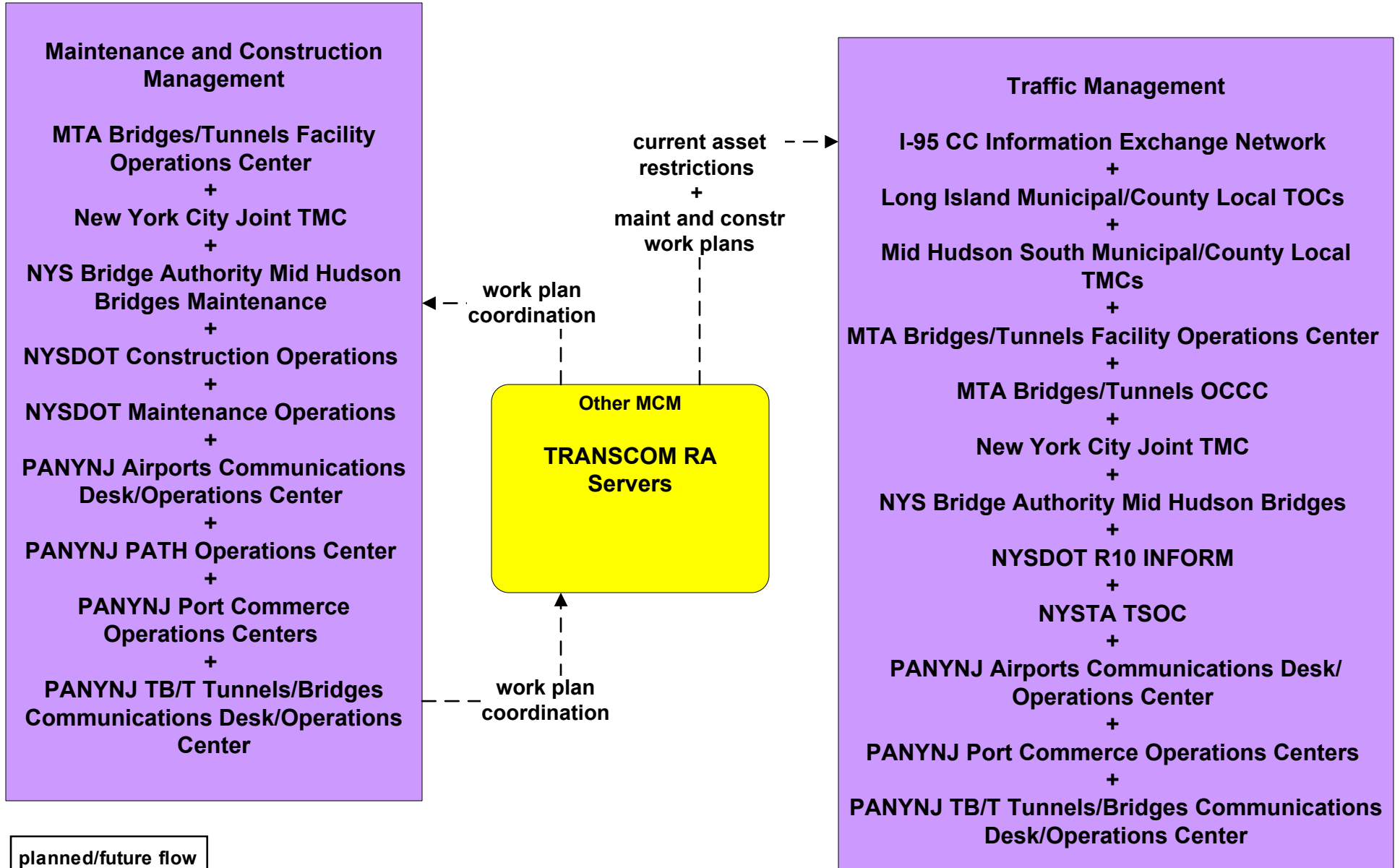
# MC08 - Workzone Management TRANSCOM



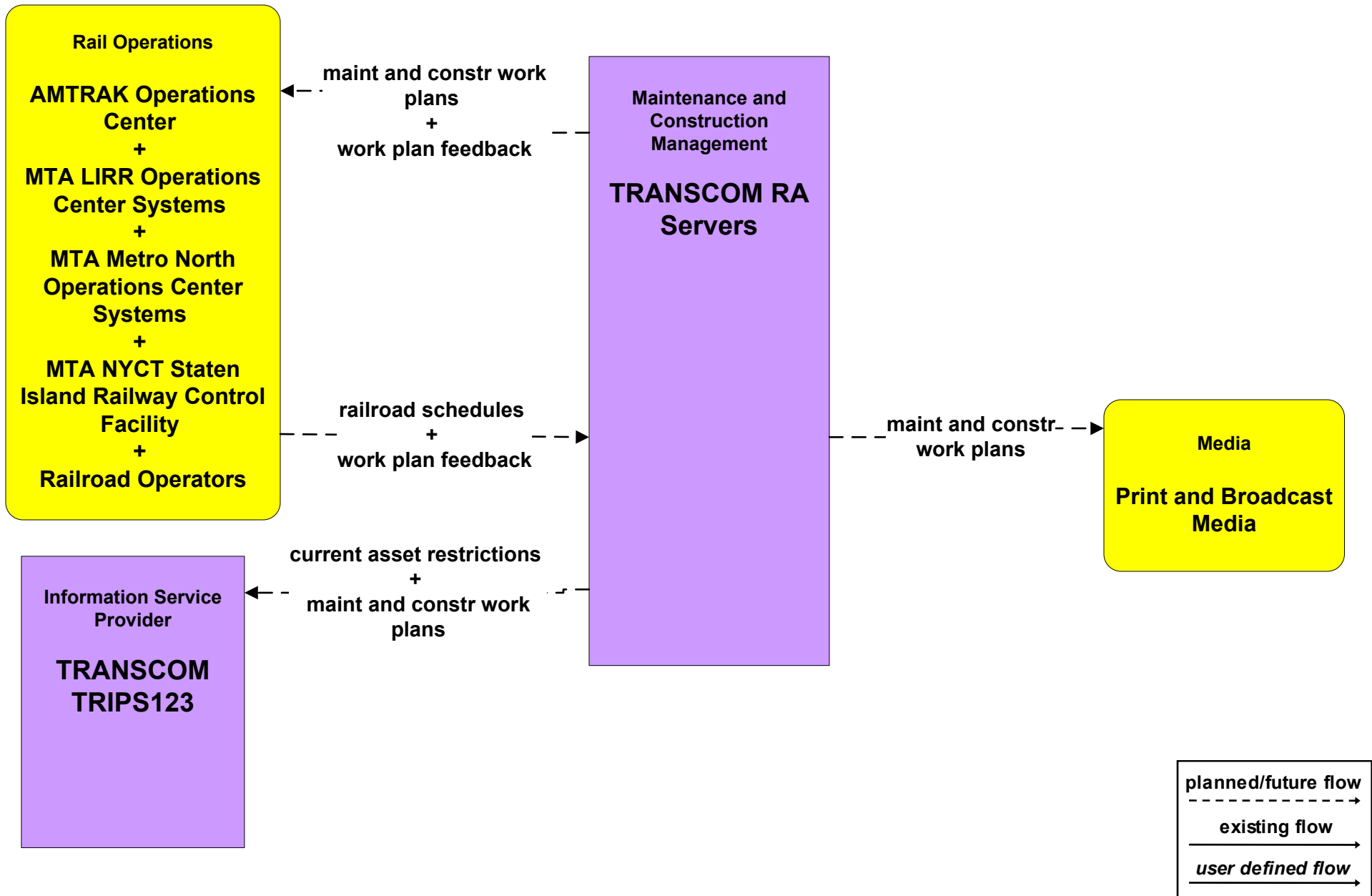
# MC08 - Workzone Management (NYCDOT and TRANSCOM)



# MC10 - Maintenance and Construction Activity Coordination TRANSCOM



# MC10 - Maintenance and Construction Activity Coordination TRANSCOM



**MC10 - Maintenance and Construction Activity Coordination  
(NYCDOT and TRANSCOM)**

**Emergency Management**

MTA Police Dispatch / Command Center  
+  
Municipal/County Public Safety Dispatch  
+  
New York City Joint TMC  
+  
NYS Police Dispatch  
+  
State EOCs

**Emergency Management**

FDNY Fire/EMS Dispatch  
+  
NYCDEP Dispatch Center  
+  
NYPD Operations

Maintenance and Construction Management  
**TRANSCOM RA Servers**

Maintenance and Construction Management  
**New York City Joint TMC**

Transit Management  
**NYCDOT Franchise Bus Operators Systems**

**Transit Management**

Long Island Transit Operators Systems  
+  
Mid Hudson South Transit Operators Systems  
+  
MTA LIRR Operations Center Systems  
+  
MTA Long Island Bus Fixed Route Bus Operations Center  
+  
MTA Long Island Bus Paratransit Operations Center  
+  
MTA Metro North Operations Center Systems  
+  
MTA NYCT Bus Command Center - Operations  
+  
Private Paratransit Operators Systems  
+  
MTA NYCT Staten Island Railway Control Facility  
+  
MTA NYCT Subway Rail Control Center  
+  
NJT Bus Operations Systems  
+  
NYCDOT (Franchise Bus) Systems  
+  
PANYNJ TB/T Bus Terminals/Stations Communications Desk/Operations Center  
+  
PANYNJ PATH Operations Center

