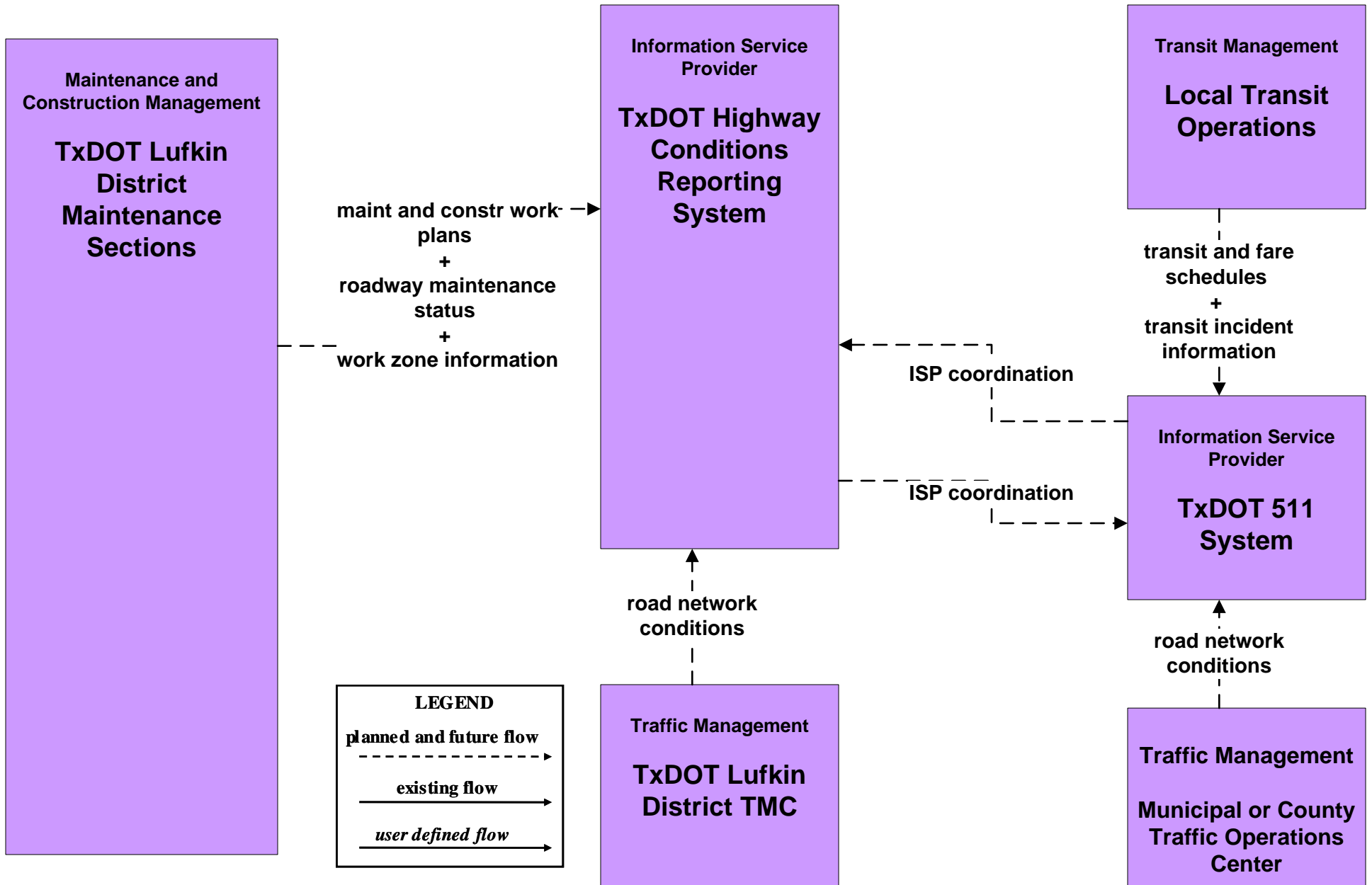# Lufkin Regional ITS Architecture
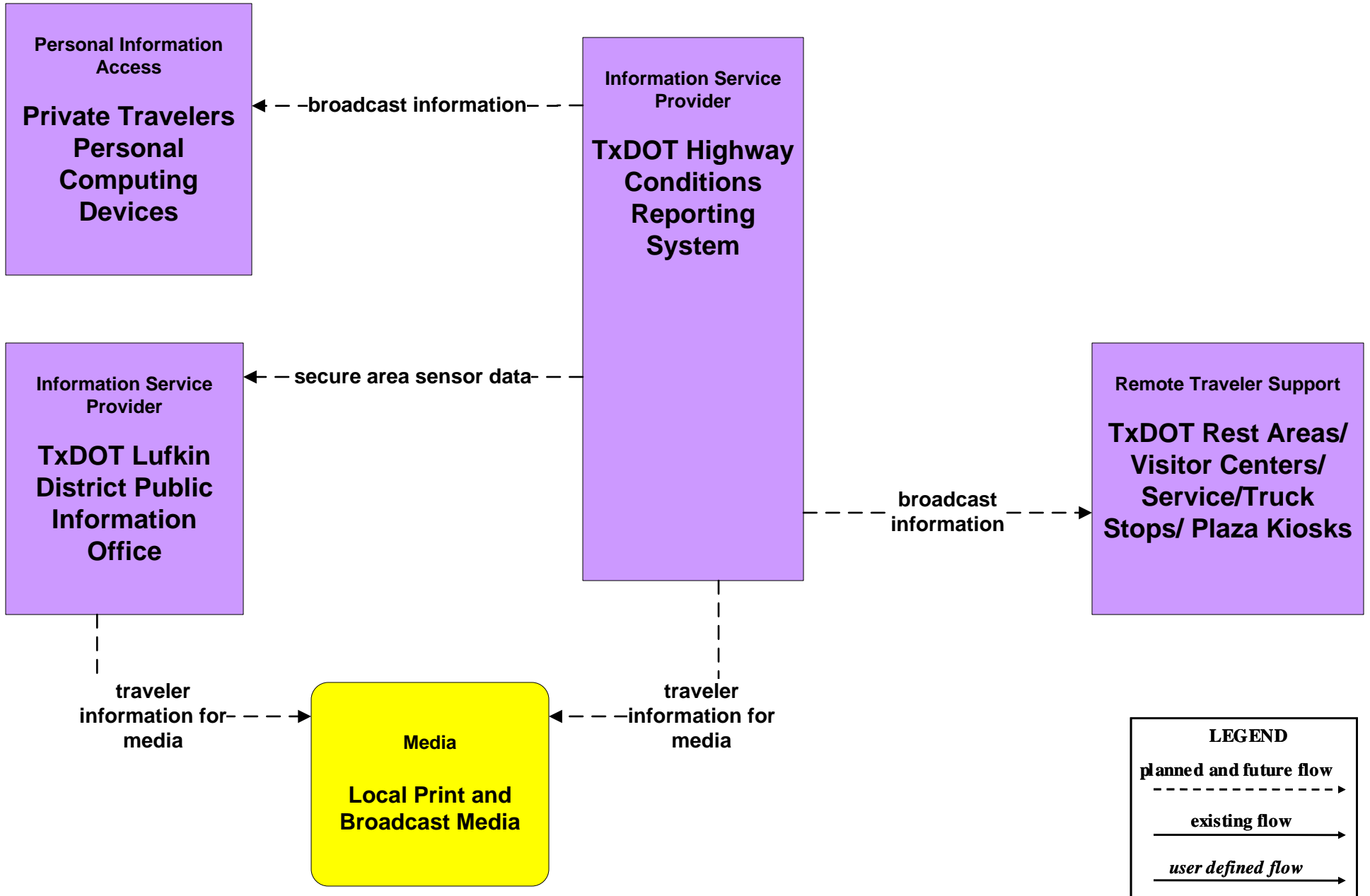
Customized Market Package Diagrams

Advanced Traveler Information Systems (ATIS)

ATIS1 - Broadcast Traveler Information
TxDOT HCRS (Inputs)

Maintenance and Construction Management

TxDOT Lufkin District Maintenance Sections

Information Service Provider

TxDOT Highway Conditions Reporting System

Transit Management

Local Transit Operations

maint and constr work plans
+
roadway maintenance status
+
work zone information

transit and fare schedules
+
transit incident information

ISP coordination

Information Service Provider

TxDOT 511 System

ISP coordination

road network conditions

road network conditions

LEGEND

planned and future flow

existing flow

user defined flow

Traffic Management

TxDOT Lufkin District TMC

Traffic Management

Municipal or County Traffic Operations Center

ATIS1 - Broadcast Traveler Information
TxDOT 511 System or TxDOT HCRS (Outputs)

Personal Information Access

Private Travelers Personal Computing Devices

← – –broadcast information– – –

Information Service Provider

TxDOT Highway Conditions Reporting System

Information Service Provider

TxDOT Lufkin District Public Information Office

← – secure area sensor data– – –

Remote Traveler Support

TxDOT Rest Areas/ Visitor Centers/ Service/Truck Stops/ Plaza Kiosks

– – broadcast information – – →

traveler information for media – – →

Media

Local Print and Broadcast Media

← – –traveler information for media

traveler information for media

LEGEND

planned and future flow – – – – – – →

existing flow ————→

user defined flow ————→

ATIS5 - ISP Based Route Guidance
TxDOT Motor Carrier Routing Information

Traffic Management

TxDOT Statewide Highway Conditions Reporting System

Information Service Provider

TxDOT Motor Carrier Routing Information

Fleet and Freight Management

Private Fleet Management Systems

Remote Traveler Support

TxDOT Rest Areas/Visitor Centers/Service/ Truck Stops/ Plaza Kiosks

road network conditions

route request

route plan

trip request

trip plan

LEGEND

planned and future flow

existing flow

user defined flow