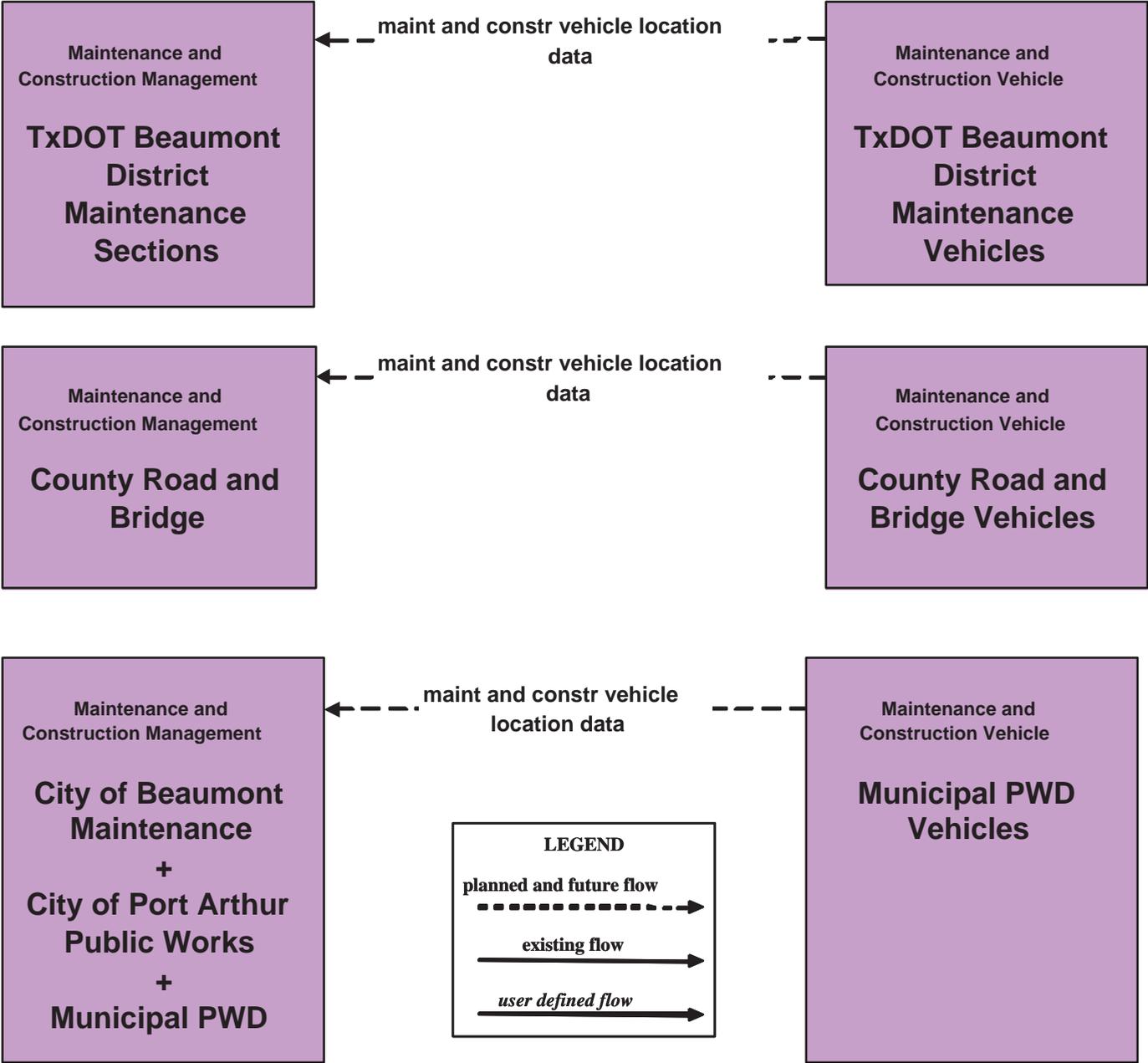


Beaumont Regional ITS Architecture

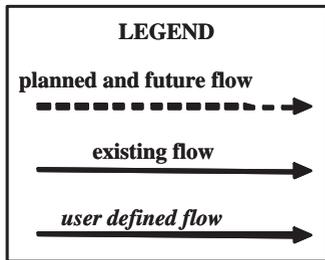
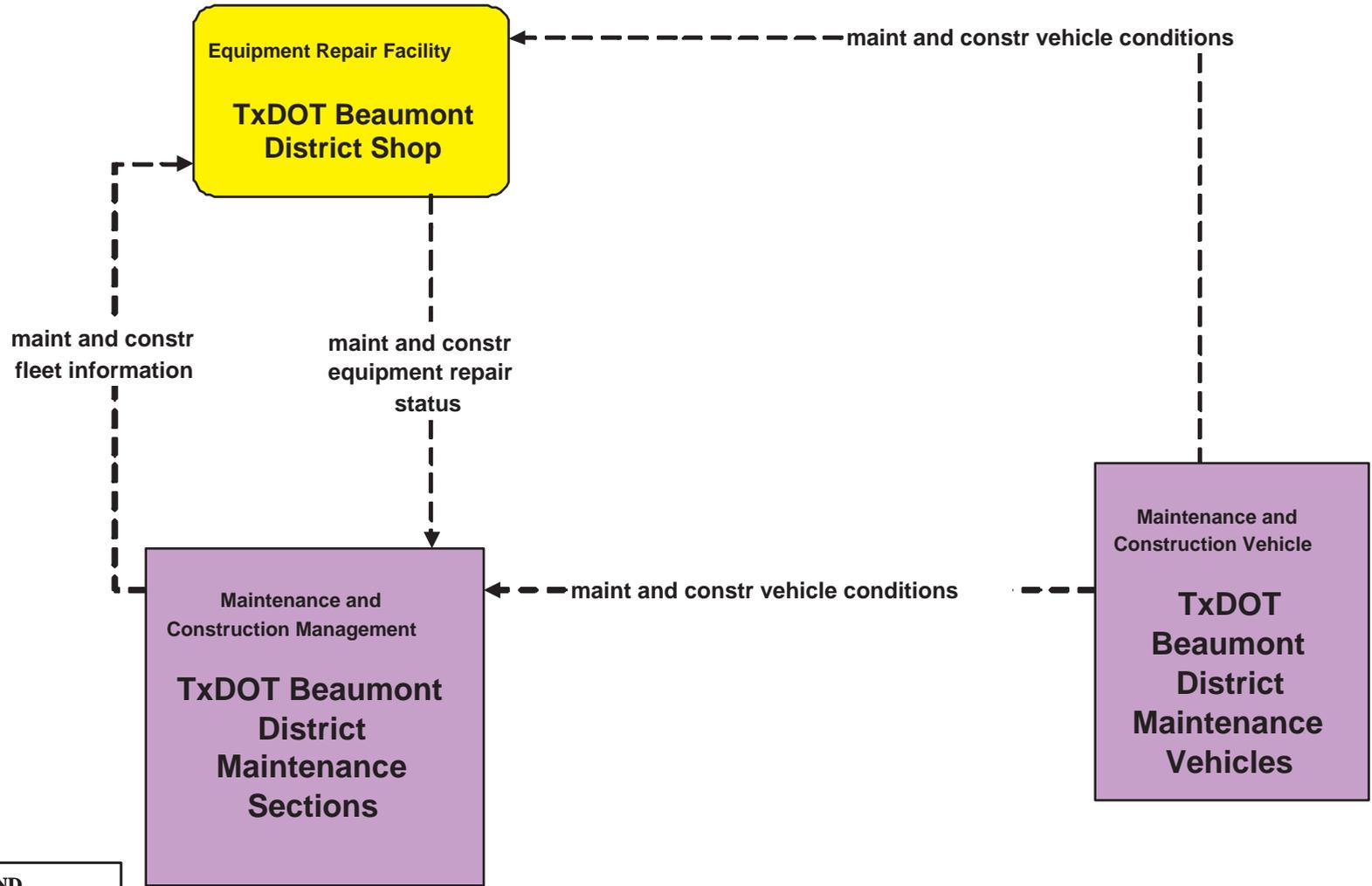
Customized Market Package Diagrams

Maintenance and Construction (MC)

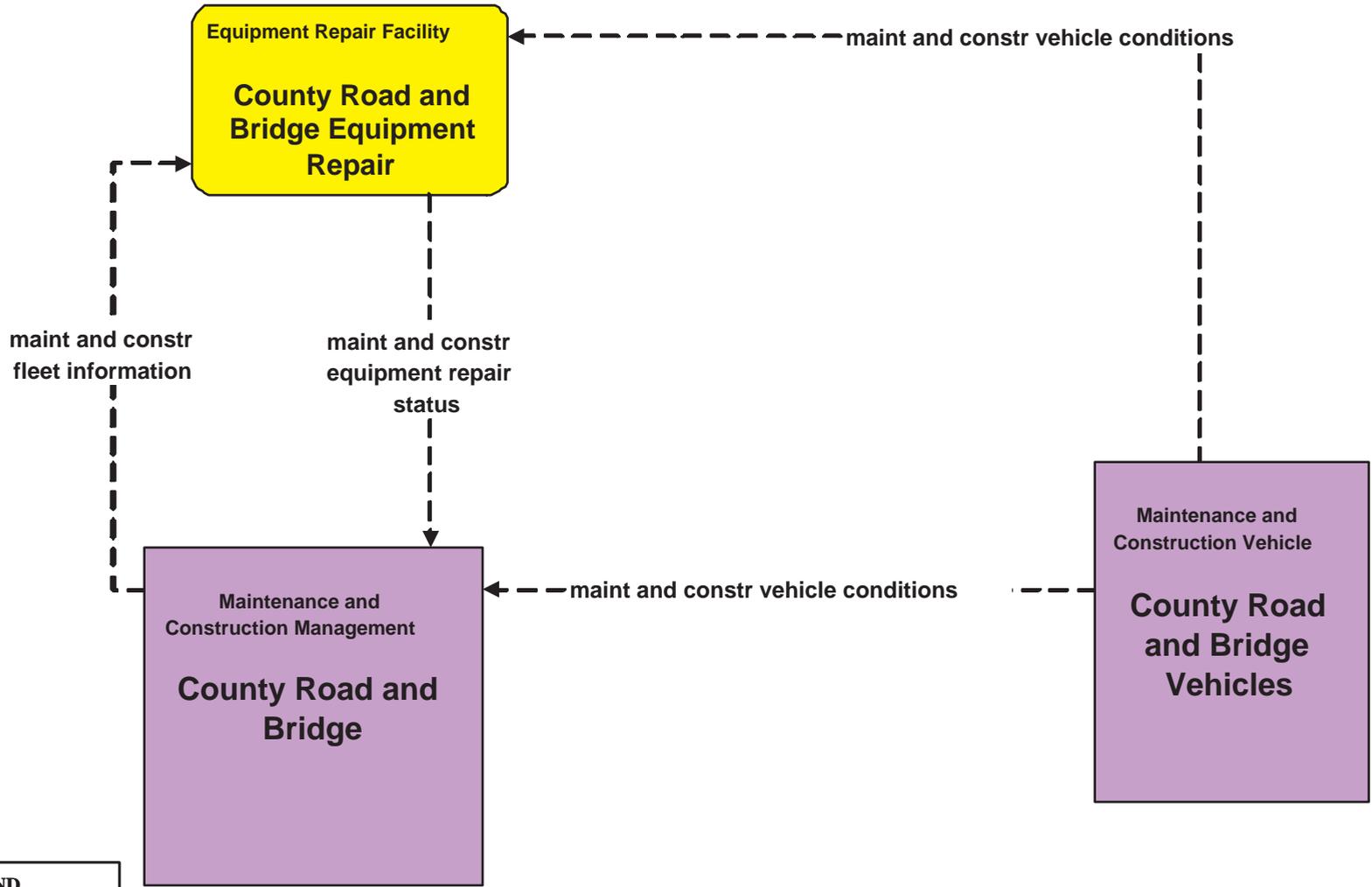
MC01 - Maintenance and Construction Vehicle Tracking



**MC02 - Maintenance and Construction Vehicle Maintenance
TxDOT Beaumont Maintenance Sections**



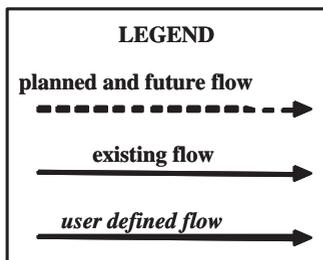
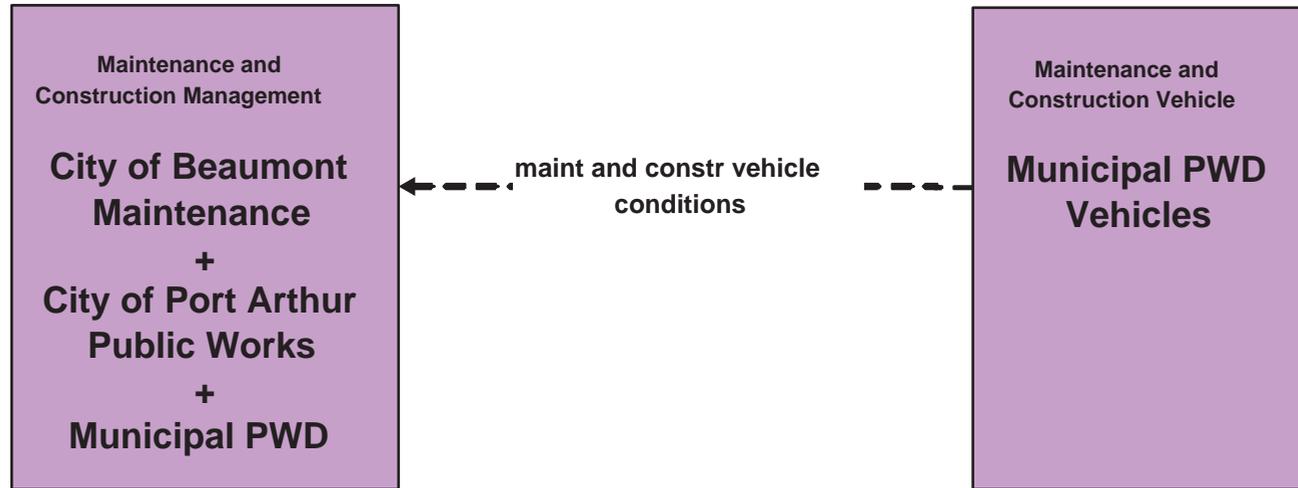
**MC02 - Maintenance and Construction Vehicle Maintenance
County Road and Bridge**



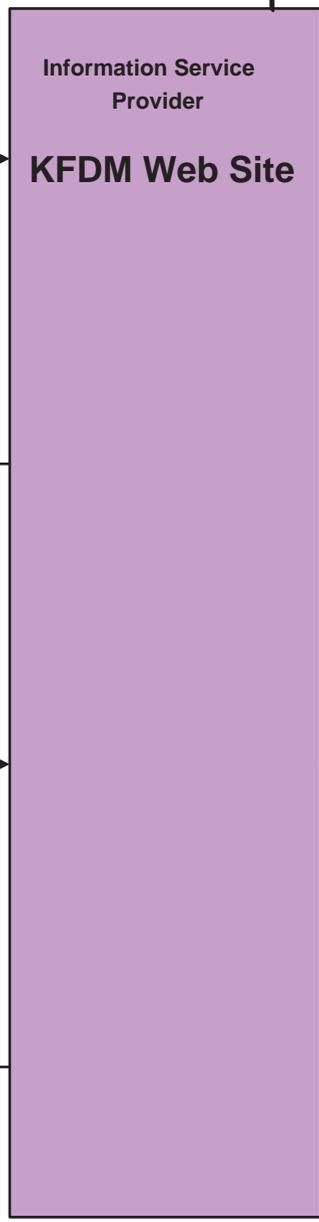
LEGEND

- planned and future flow* (dashed arrow)
- existing flow* (solid arrow)
- user defined flow* (solid arrow)

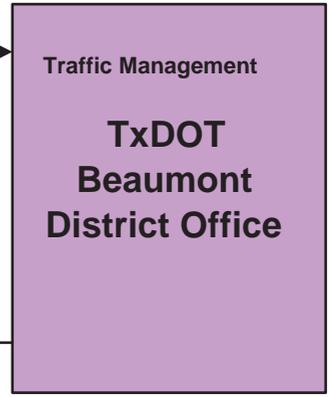
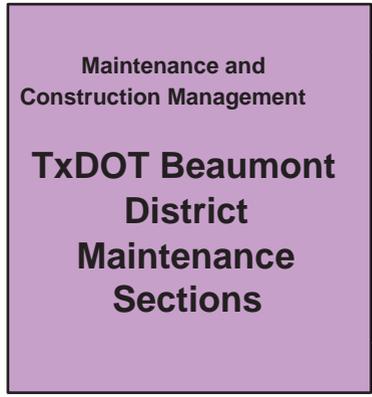
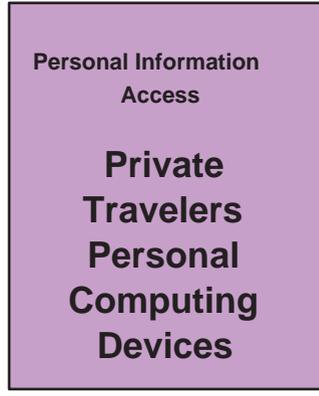
**MC02 - Maintenance and Construction Vehicle Maintenance
City and Municipal Maintenance**



MC04 - Weather Information Processing and Distribution
KFDM Web Site



*KFDM Web Site:
Software can be downloaded called
"Weather Bug" which provides
Weather Information, Flood Levels and
Warnings*



request for weather information_ud

weather information_ud

request for weather information_ud

weather information_ud

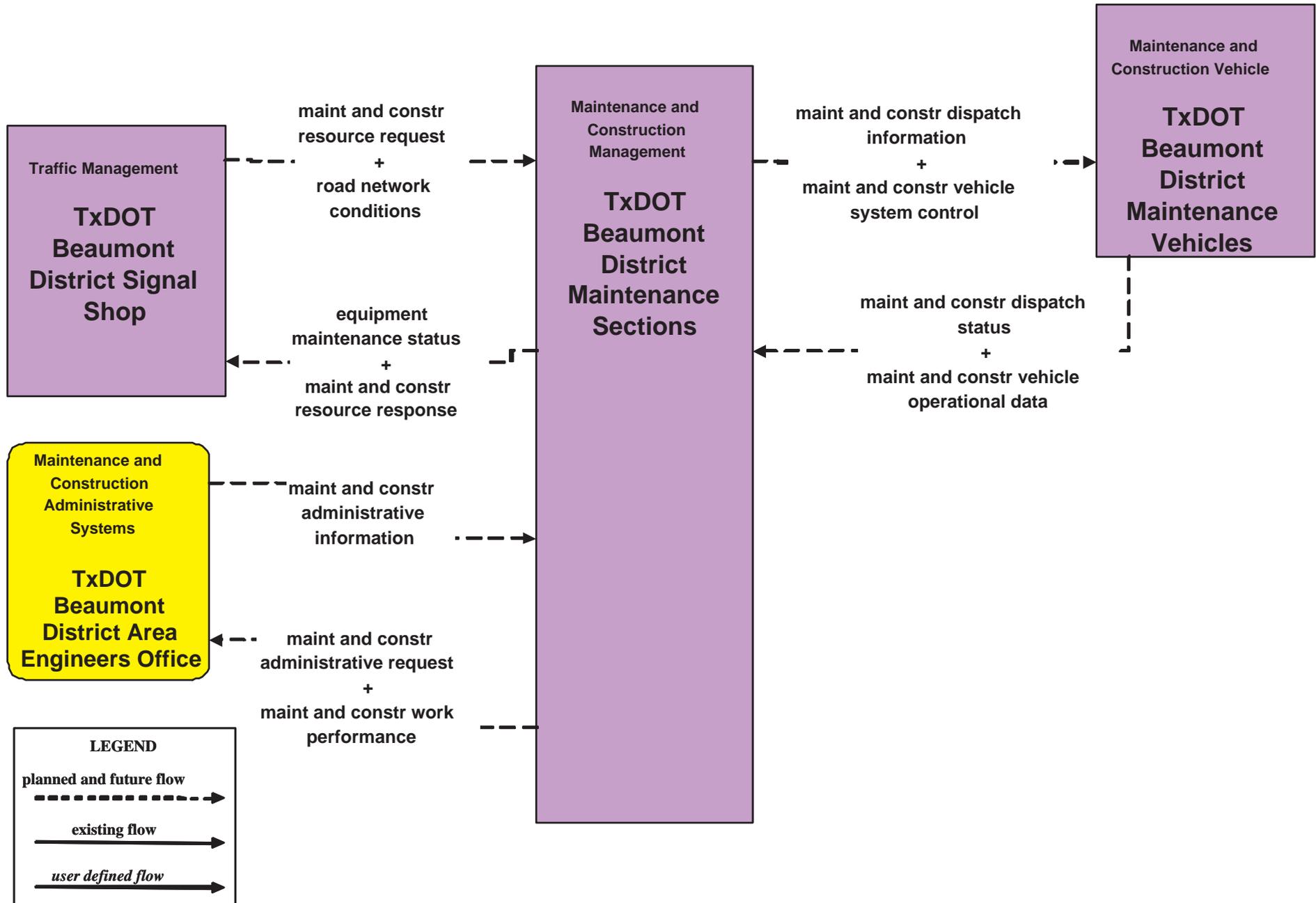
weather information_ud

request for weather information_ud

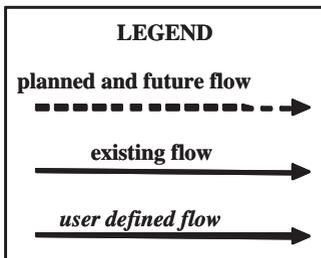
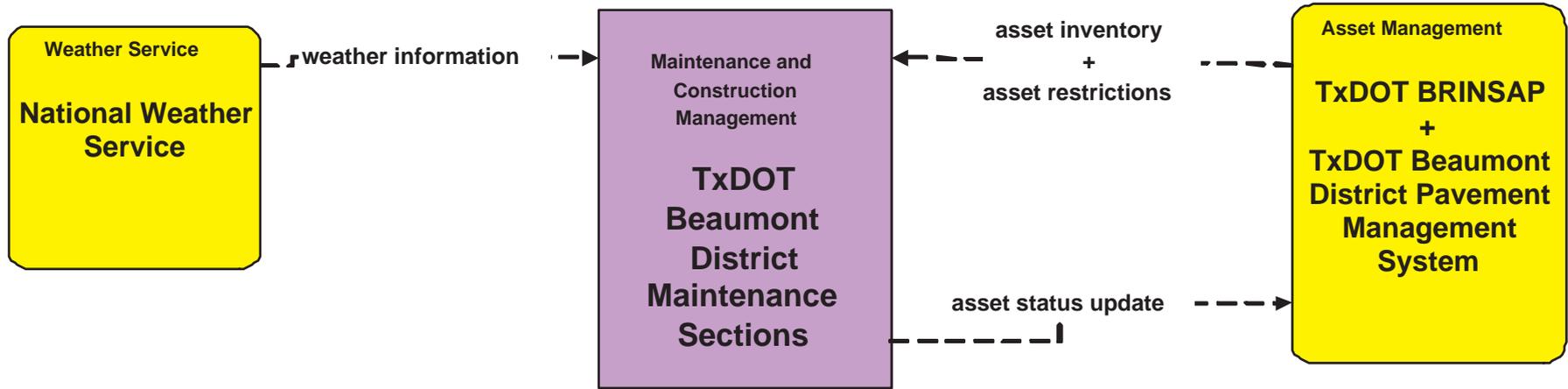
road weather information

weather information

**MC07 - Roadway Maintenance and Construction
TxDOT Beaumont District Maintenance Sections (1 of 2)**

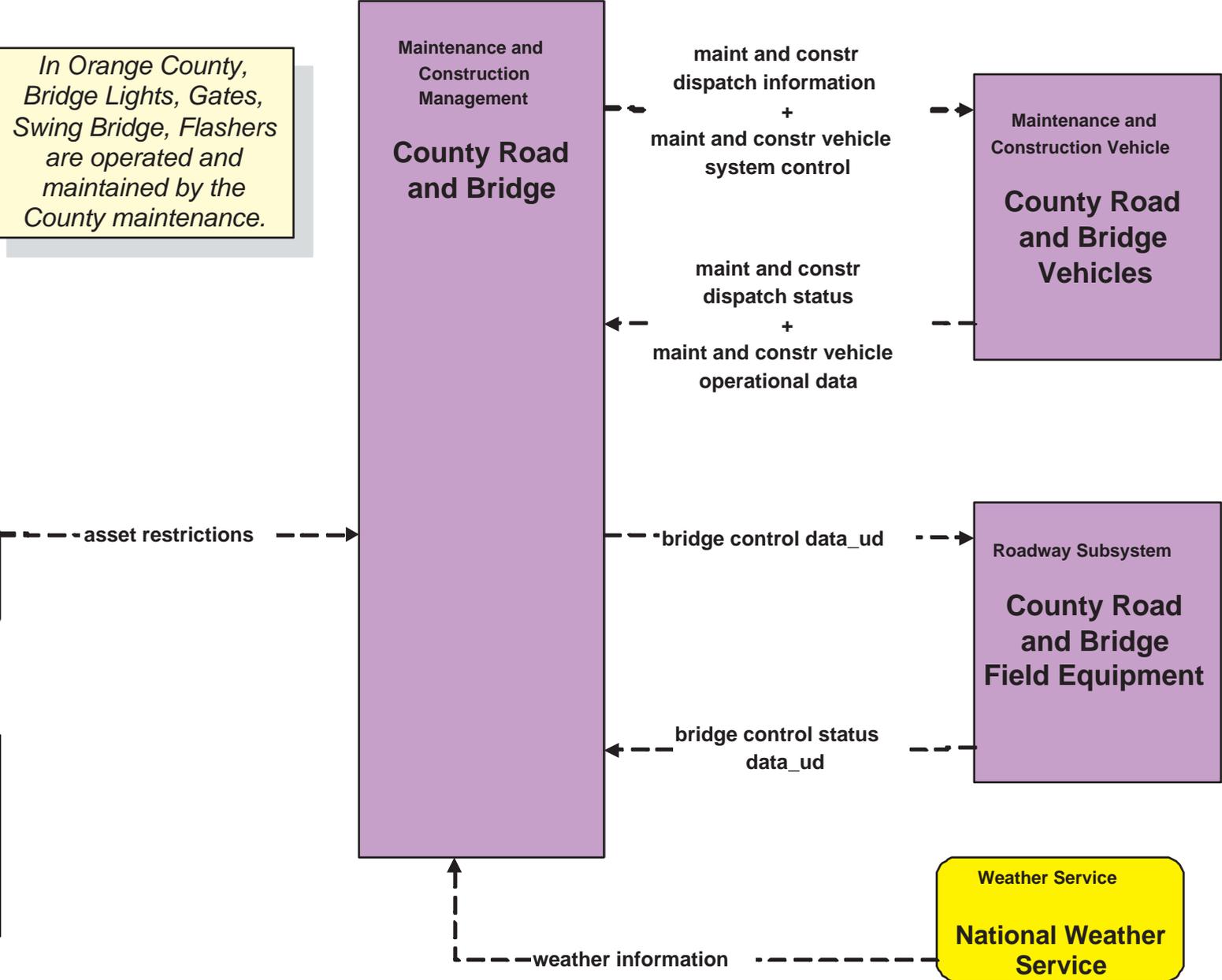
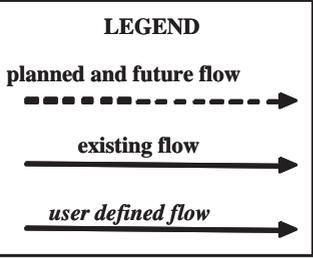
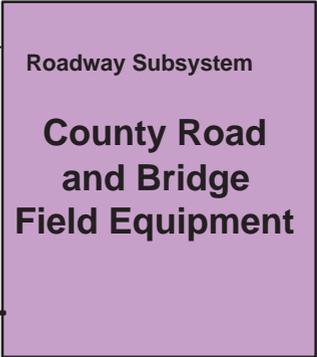
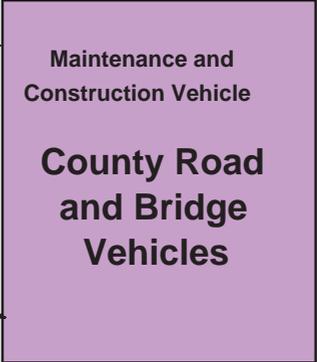
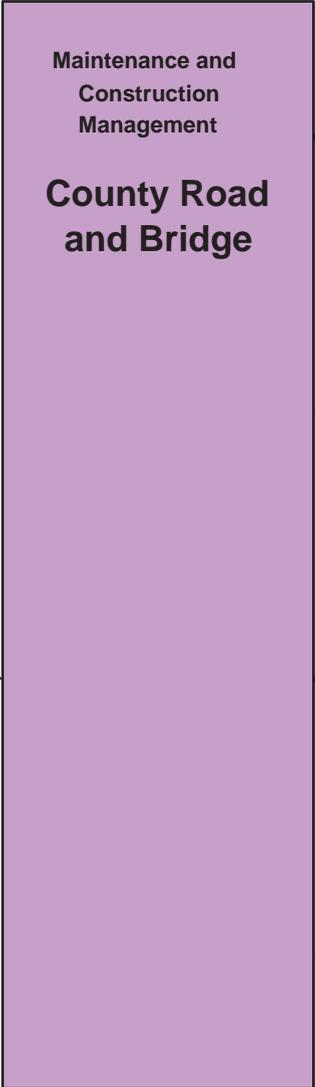


**MC07 - Roadway Maintenance and Construction
TxDOT Beaumont District Maintenance Sections (2 of 2)**

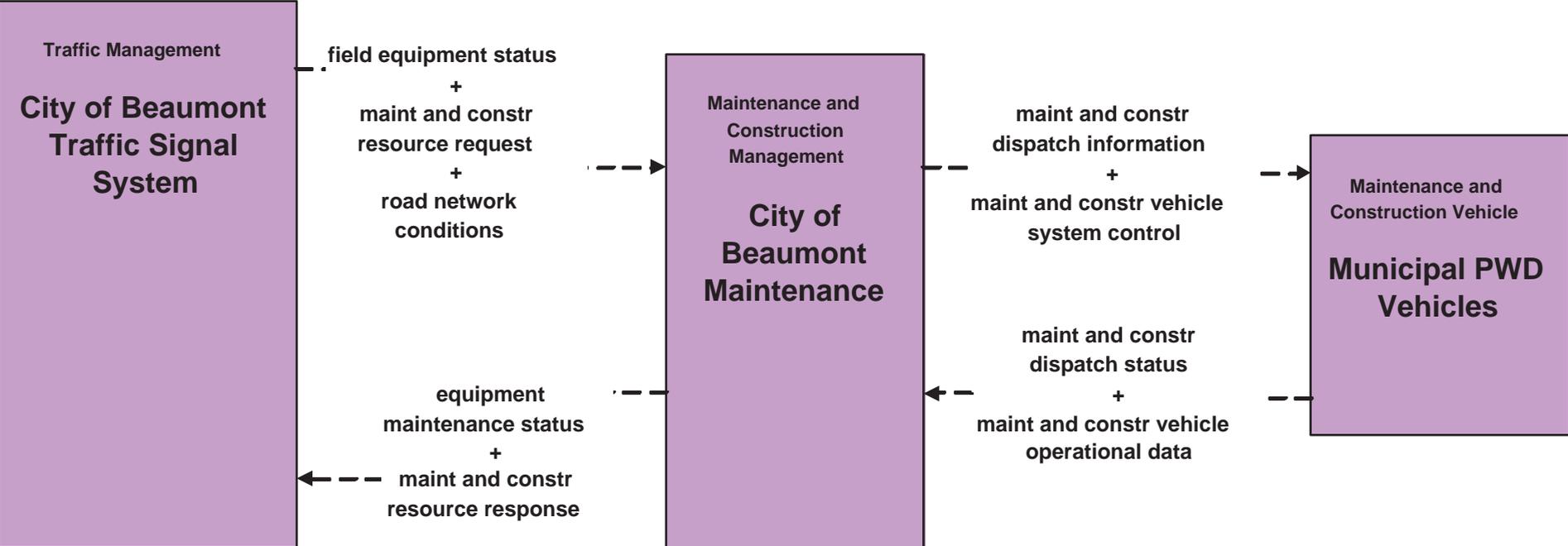


MC07 - Roadway Maintenance and Construction County Road and Bridge

In Orange County, Bridge Lights, Gates, Swing Bridge, Flashers are operated and maintained by the County maintenance.



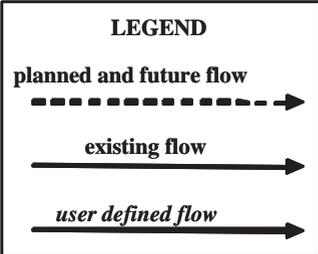
**MC07 - Roadway Maintenance and Construction
City of Beaumont Maintenance**



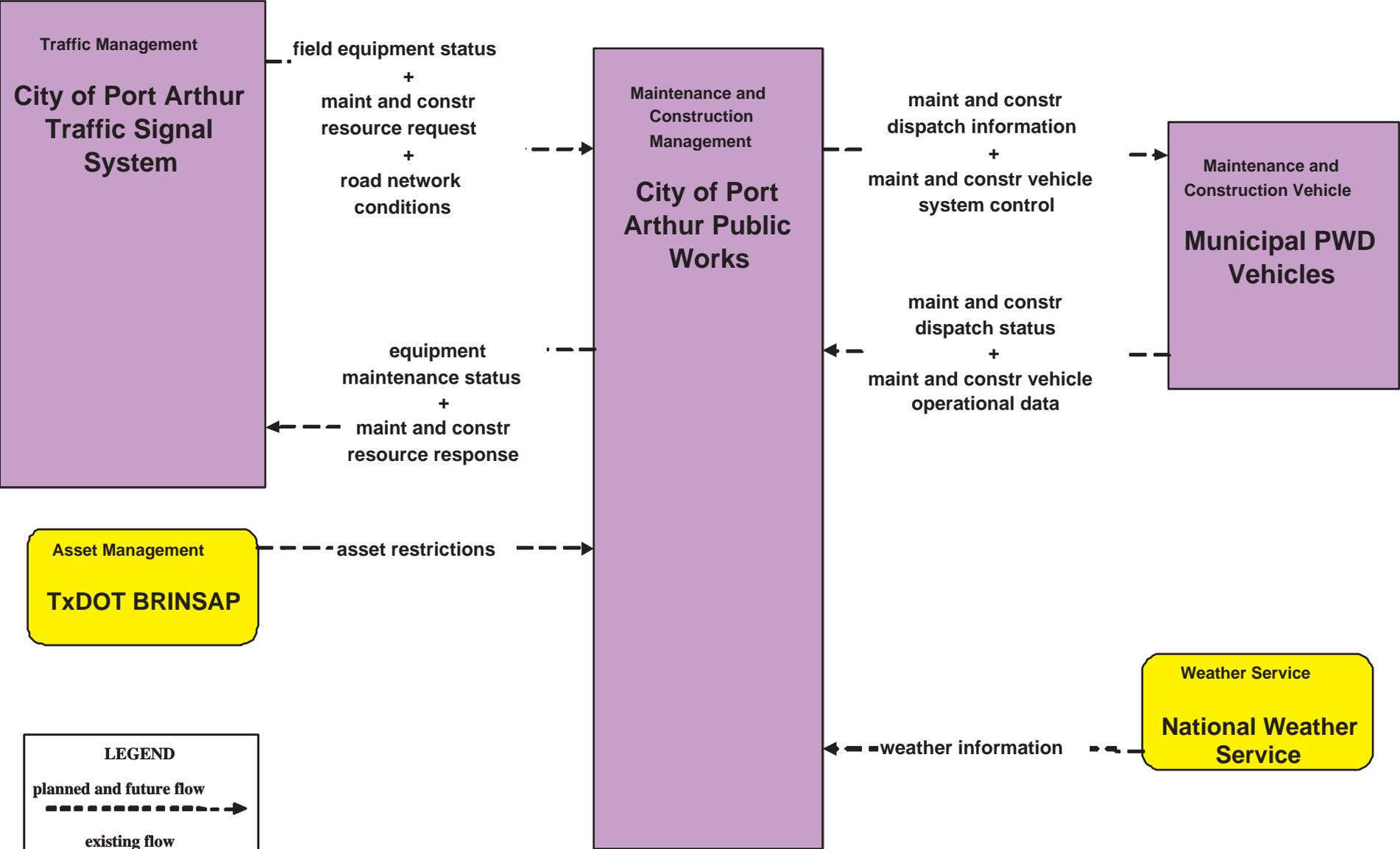
---asset restrictions---



---weather information---



**MC07 - Roadway Maintenance and Construction
City of Port Arthur Maintenance**



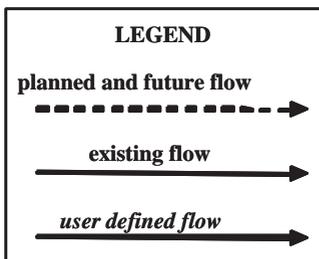
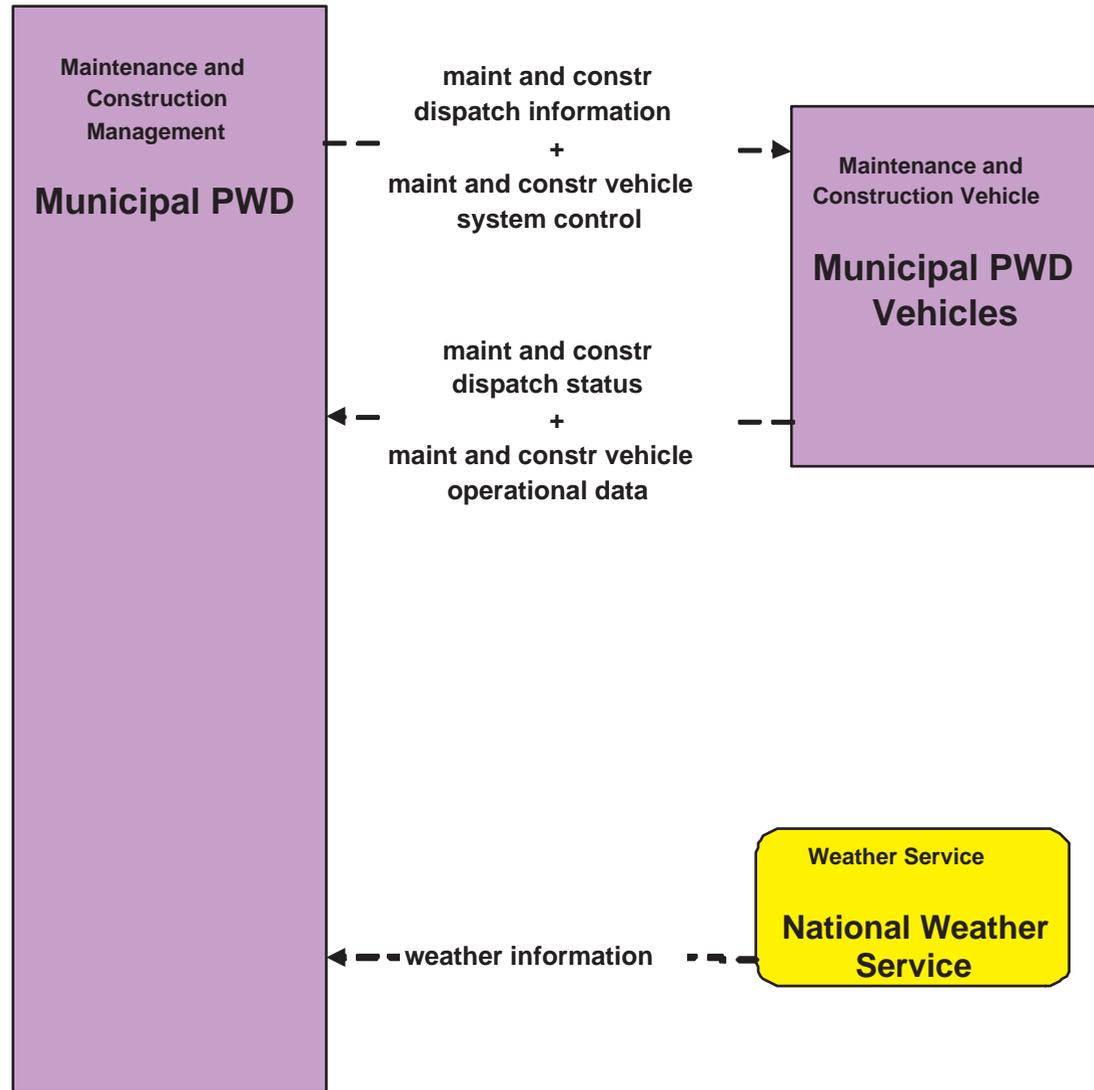
LEGEND

planned and future flow
----->

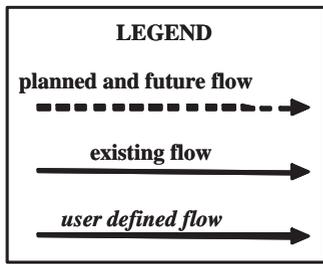
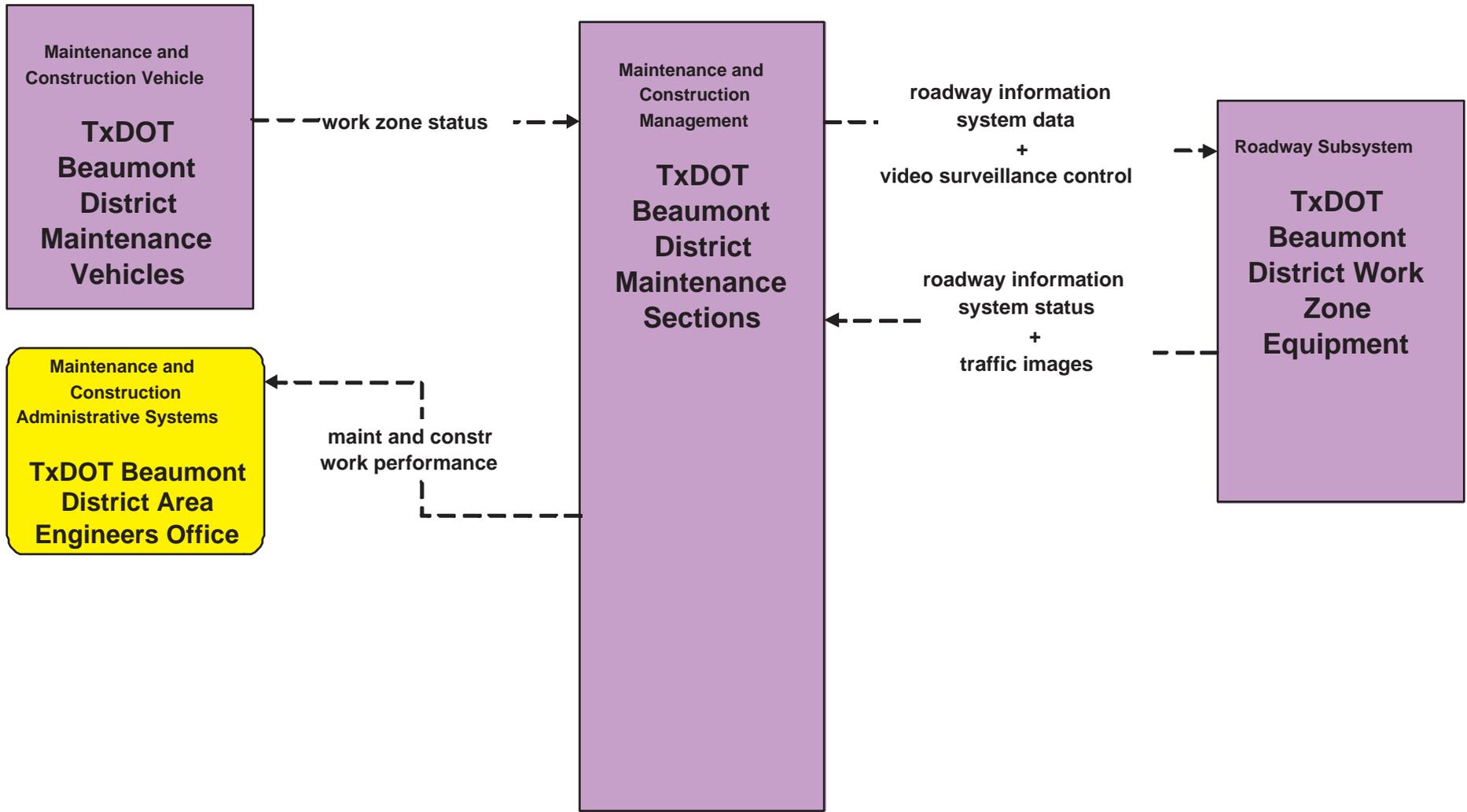
existing flow
————>

user defined flow
————>

MC07 - Roadway Maintenance and Construction Municipal PWD



MC08 - Workzone Management
TxDOT Beaumont District Maintenance Sections



MC08 - Workzone Management
TxDOT Workzone Information Dissemination (1)

Traffic Management
TxDOT Beaumont District Office

Information Service Provider
TxDOT Highway Conditions Reporting System
 +
TxDOT Beaumont District Web Page

Maintenance and Construction Management
TxDOT Beaumont District Maintenance Sections

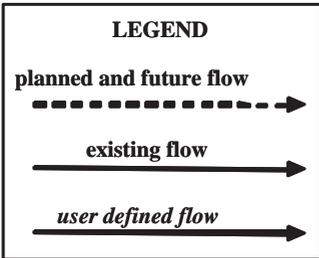
Maintenance and Construction Management
City of Beaumont Maintenance
 +
City of Port Arthur Public Works
 +
County Road and Bridge
 +
Municipal PWD
 +
Other TxDOT District Maintenance Sections

work zone information

work zone information

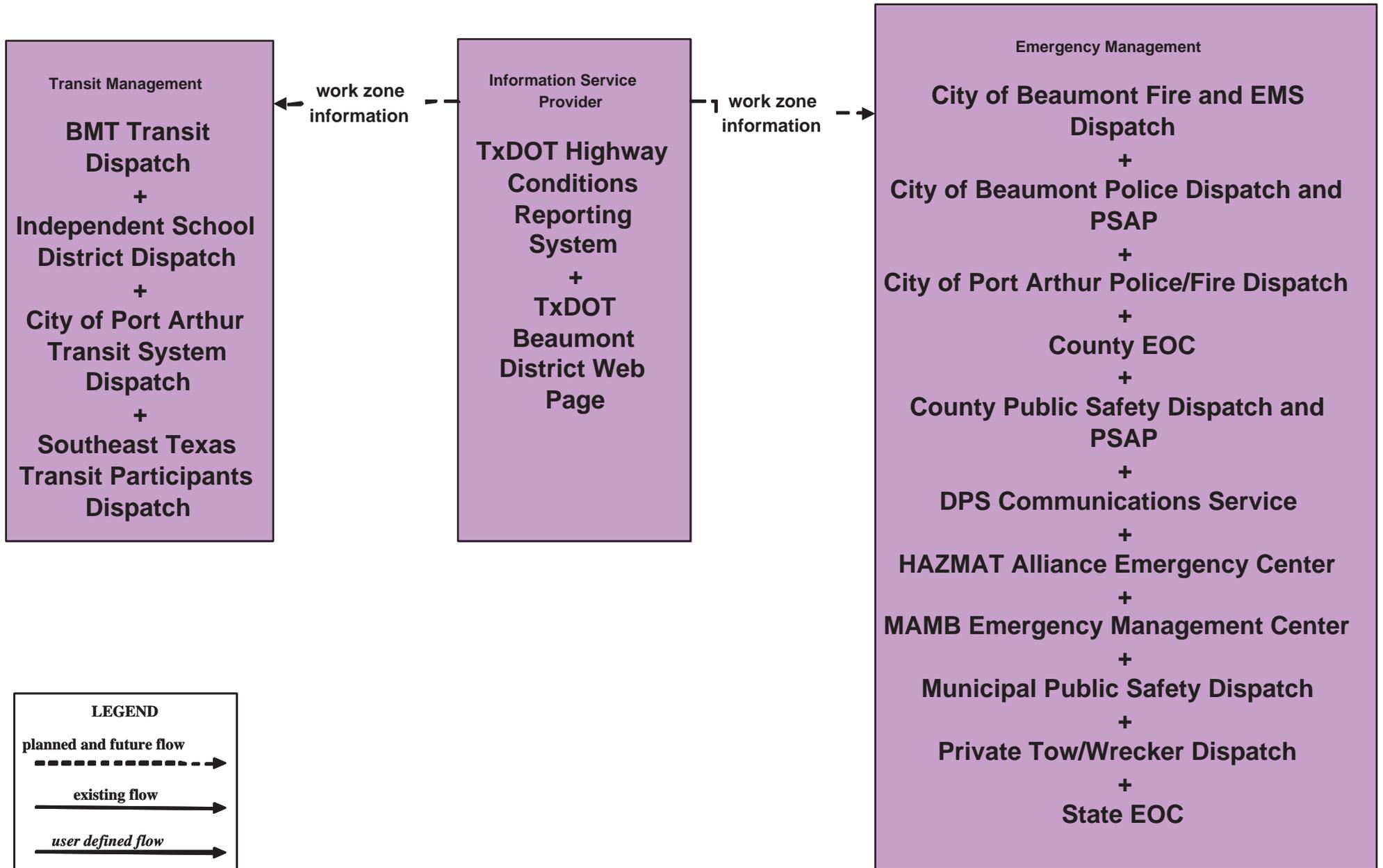
work zone information

work zone information

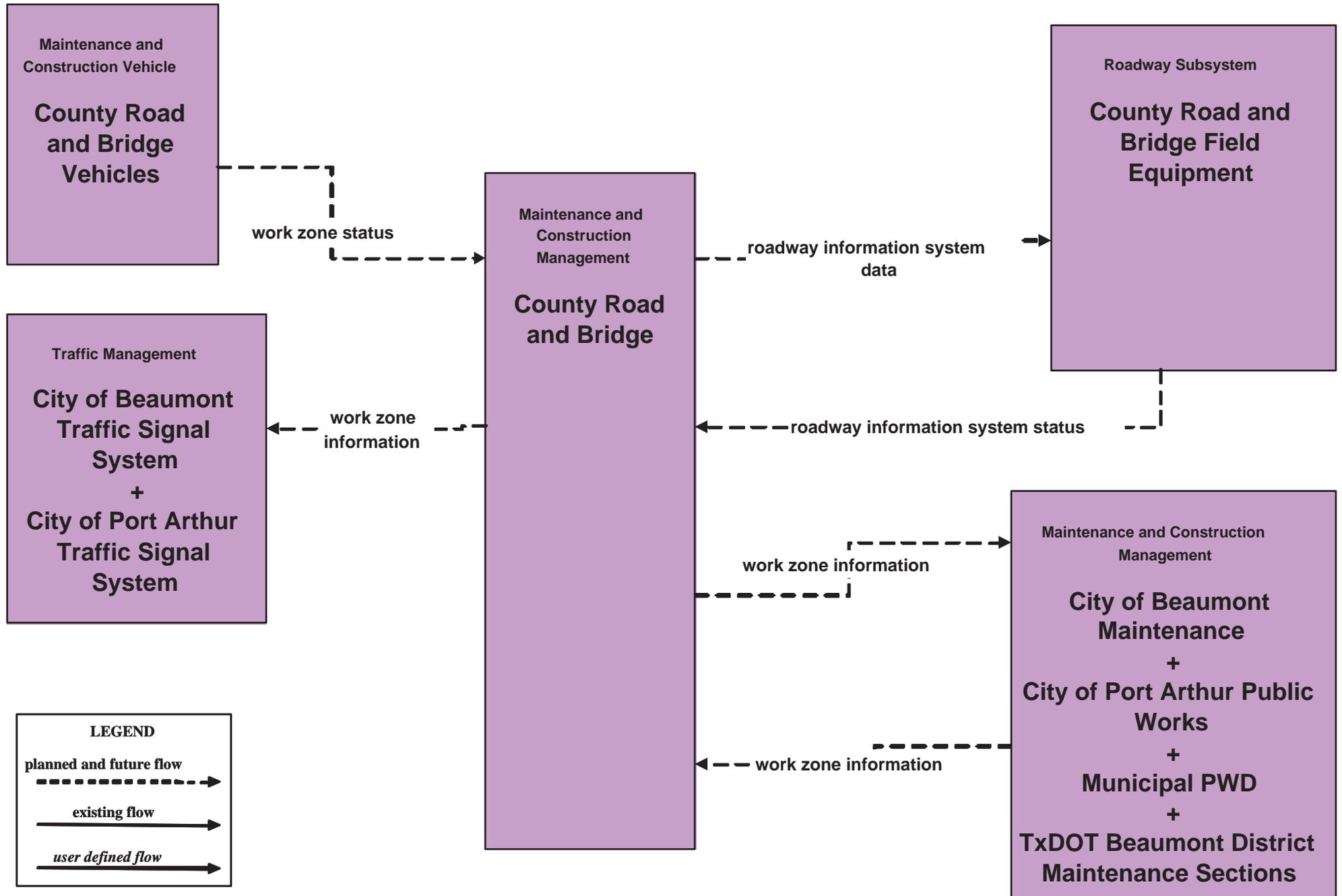


TxDOT Beaumont District Maint Sections are the distributor of work zone information from county and municipal maintenance organizations. The information is provided to TxDOT Beaumont District Web Page and the TxDOT Highway Conditions Reporting System, from where it is accessed by transit and public safety elements.

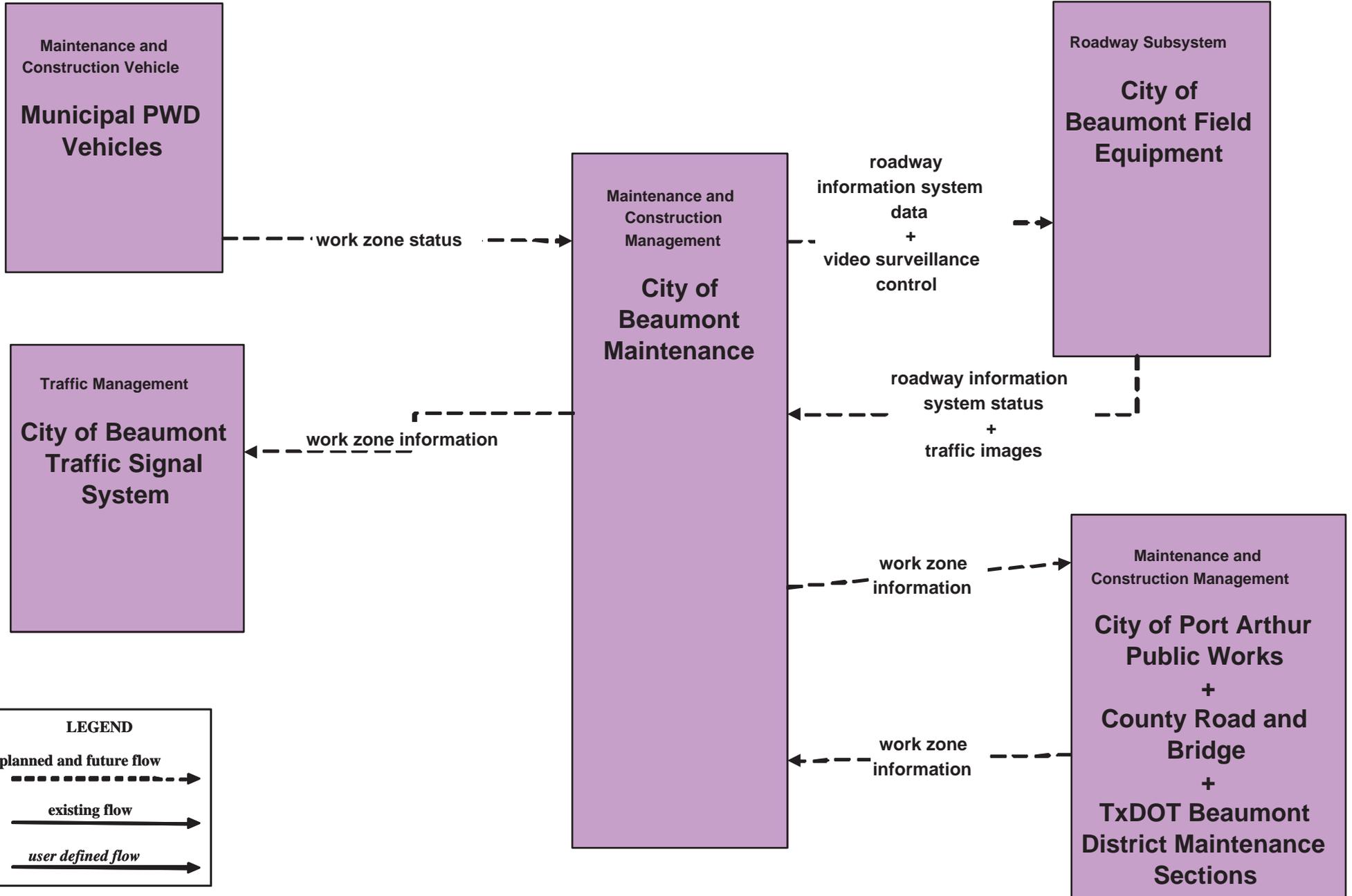
**MC08 - Workzone Management
Workzone Information Dissemination (2)**



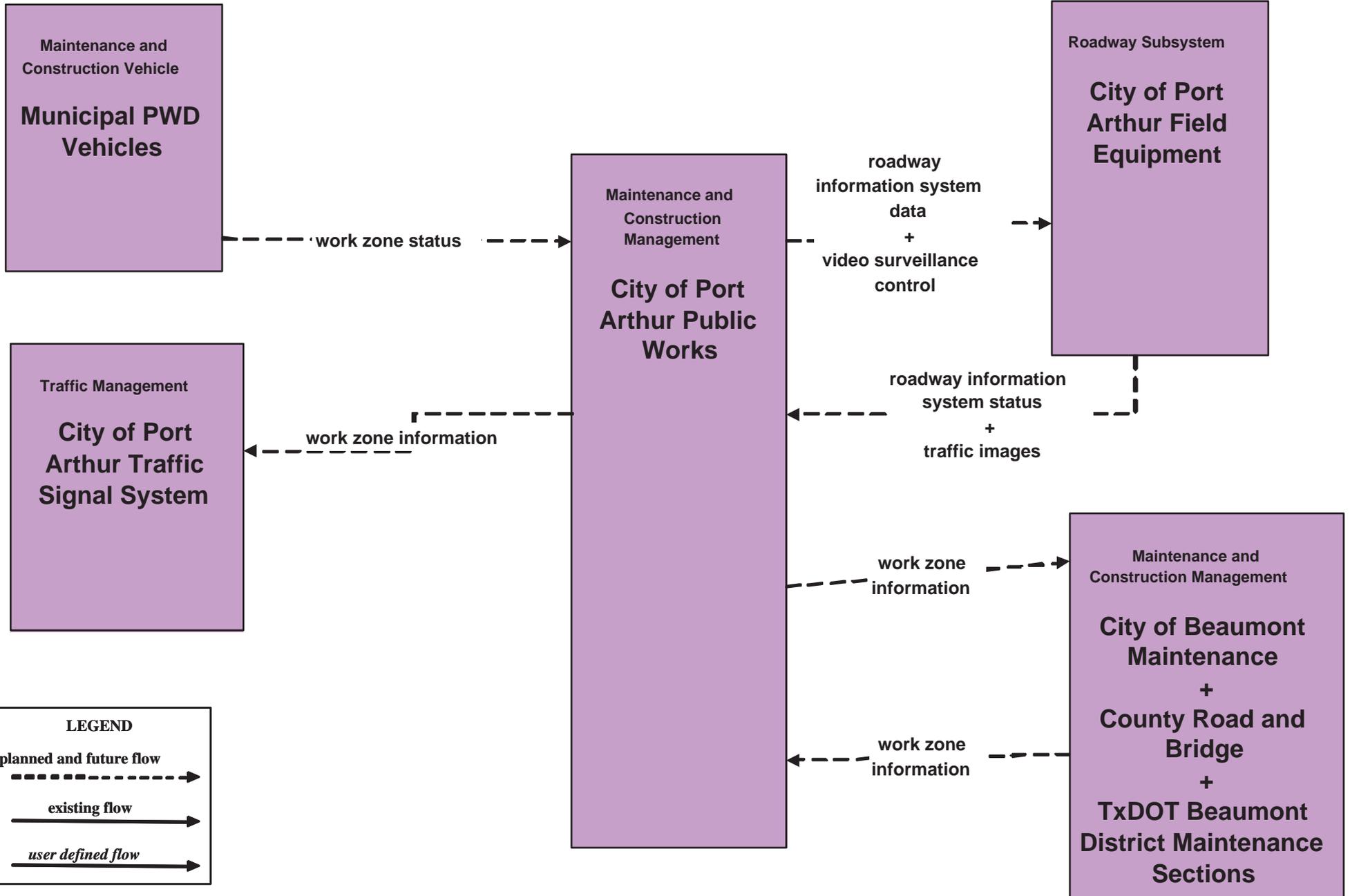
MC08 - Workzone Management County Road and Bridge



**MC08 - Workzone Management
City of Beaumont Maintenance**



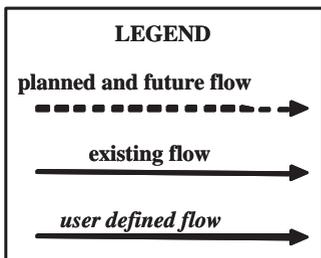
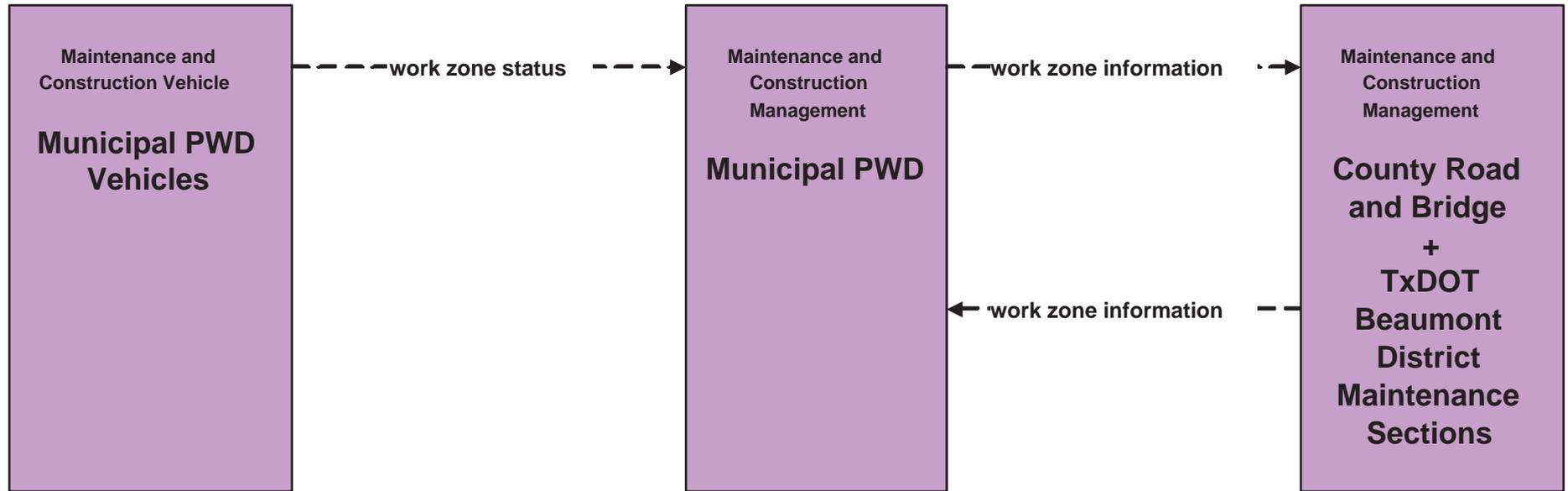
MC08 - Workzone Management City of Port Arthur Maintenance



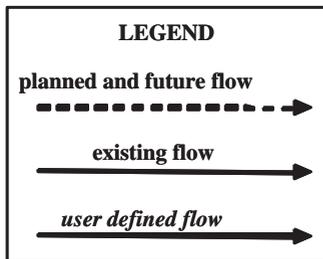
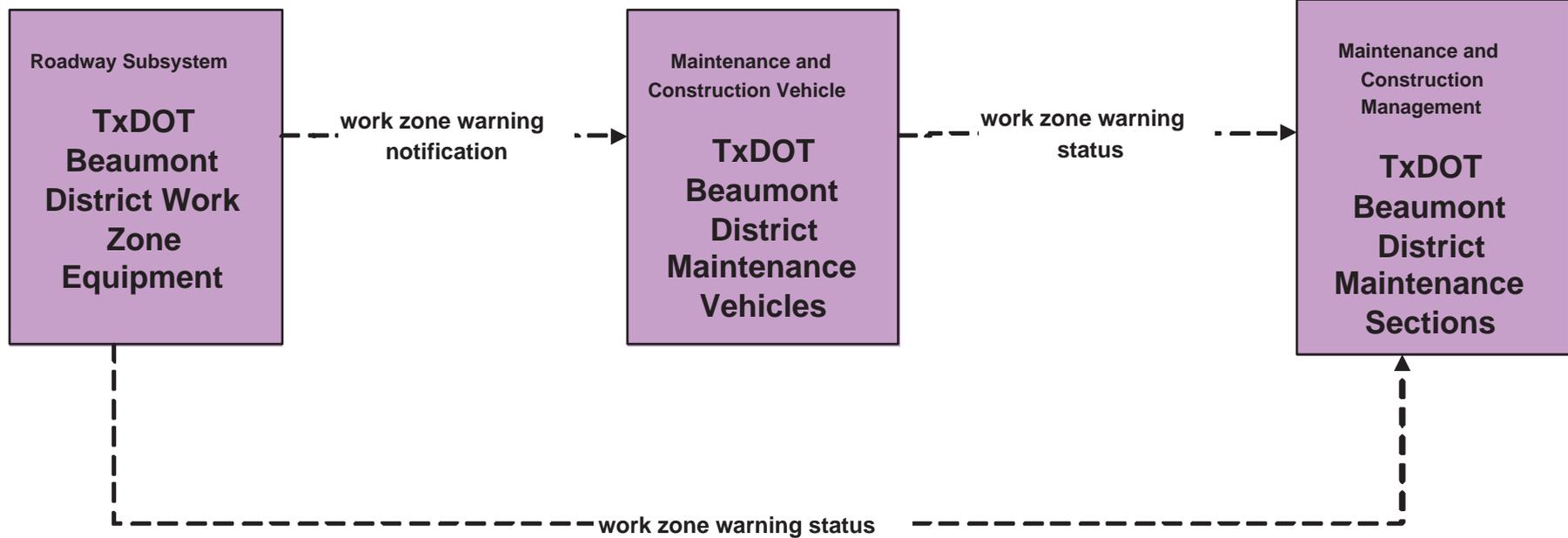
LEGEND

- planned and future flow
- existing flow
- user defined flow*

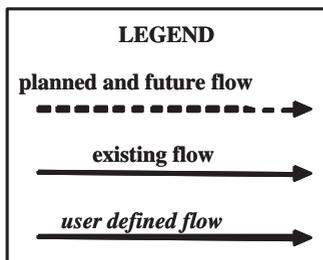
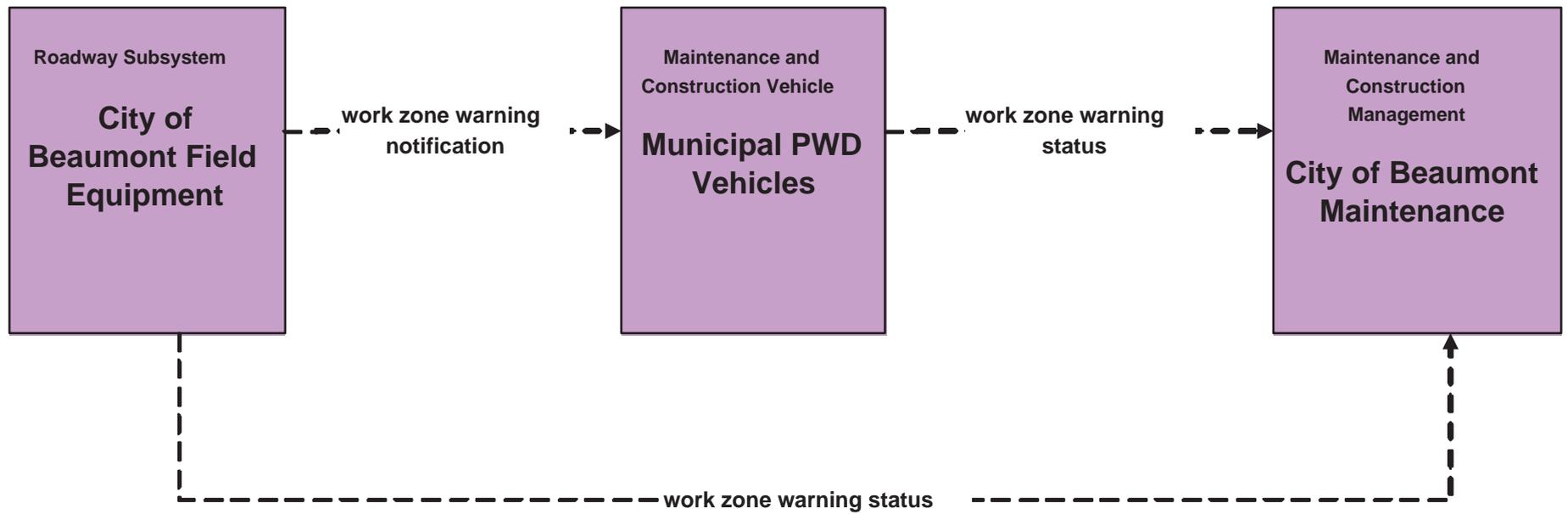
**MC08 - Workzone Management
Municipal PWD**



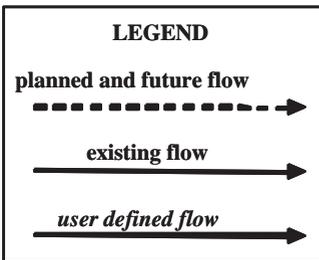
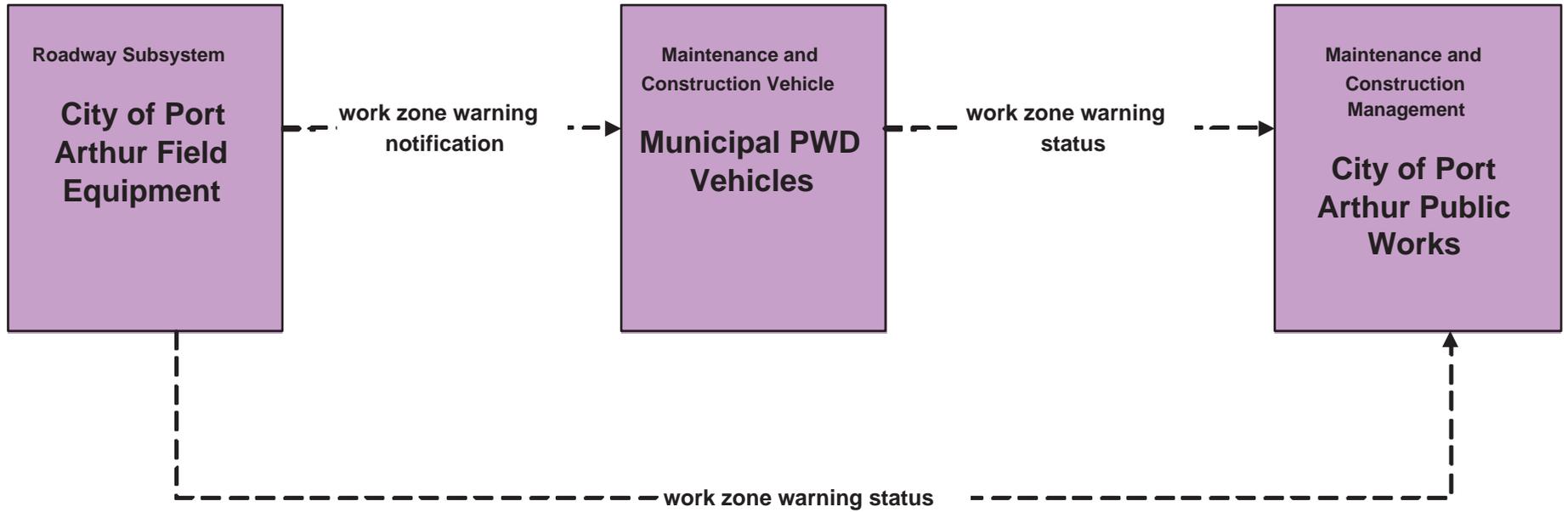
MC09 - Workzone Safety Monitoring
TxDOT Beaumont District Maintenance Sections



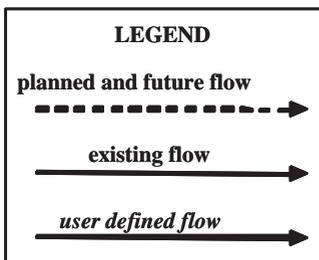
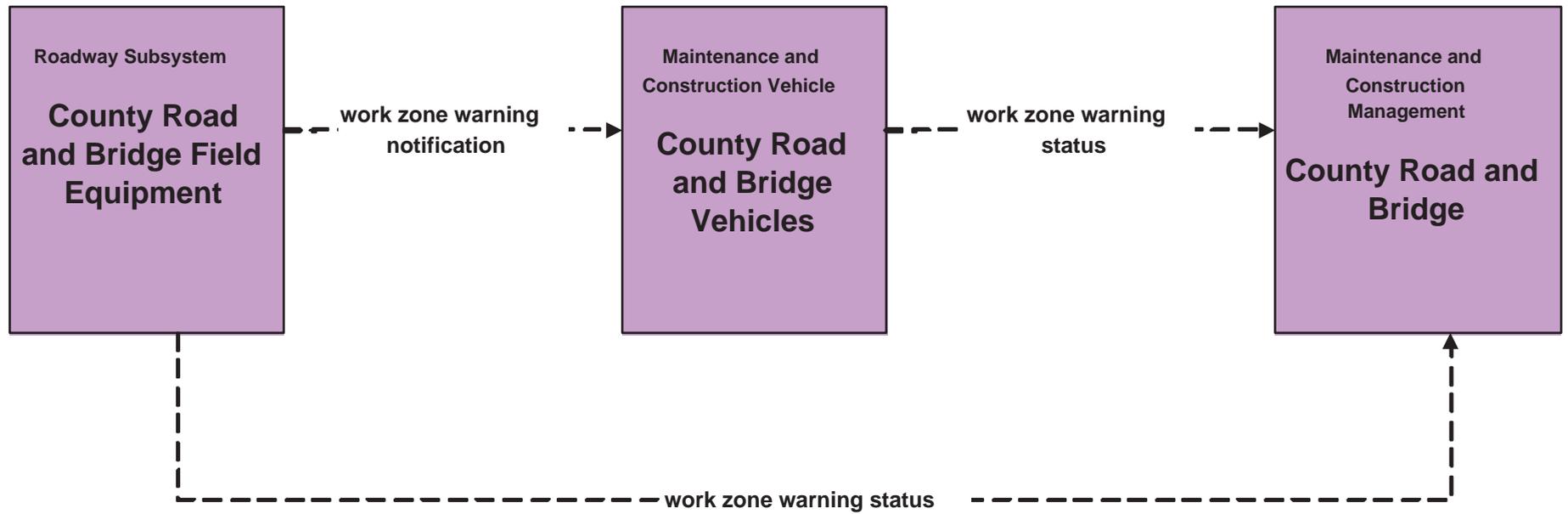
MC09 - Workzone Safety Monitoring
City of Beaumont Maintenance



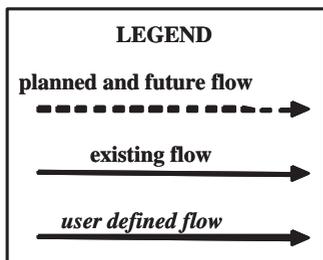
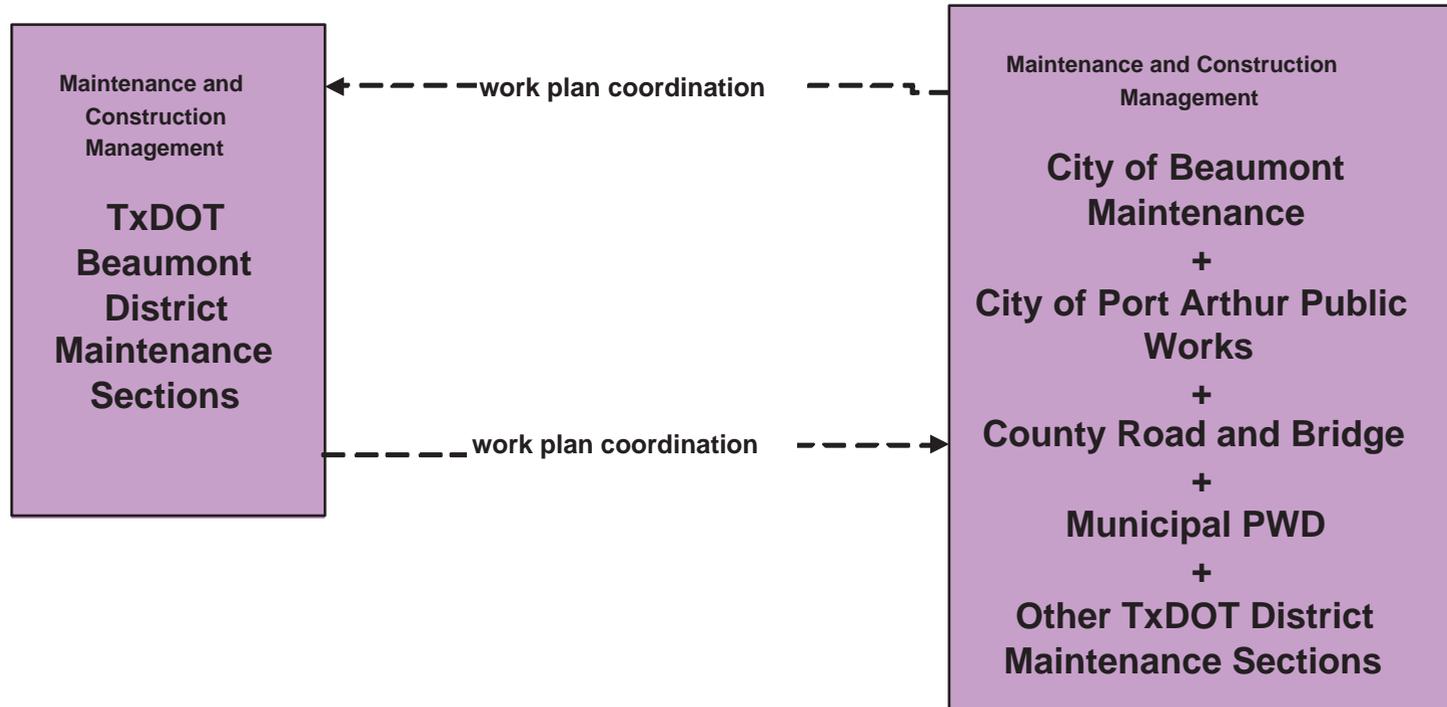
MC09 - Workzone Safety Monitoring
City of Port Arthur Maintenance



**MC09 - Workzone Safety Monitoring
County Road and Bridge**



MC10 - Maintenance and Construction Activity Coordination
Activity Coordination - TxDOT (1 of 3)



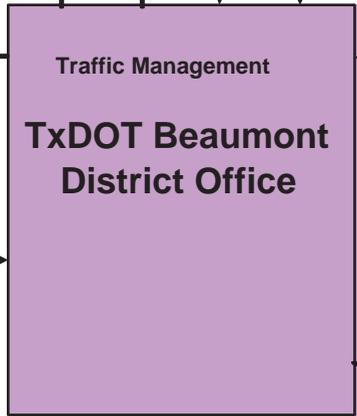
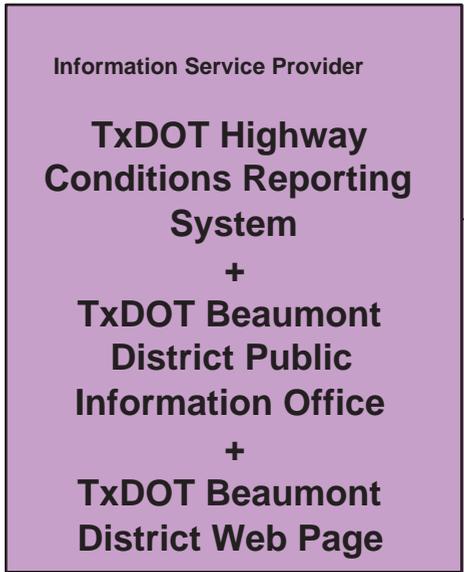
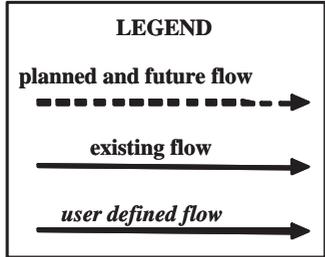
MC10 - Maintenance and Construction Activity Coordination
Activity Coordination - TxDOT (2 of 3)



maint and constr work plans
 +
 work plan feedback

railroad schedules
 +
 work plan feedback

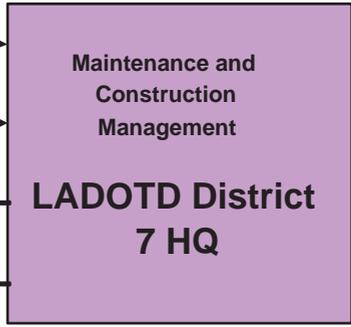
Distribution of maintenance and construction information to transit and public safety is through TxDOT HCRS and TxDOT Beaumont District Web Page



current asset restrictions
 +
 maint and constr work plans

work plan feedback

current asset restrictions
 +
 maint and constr work plans

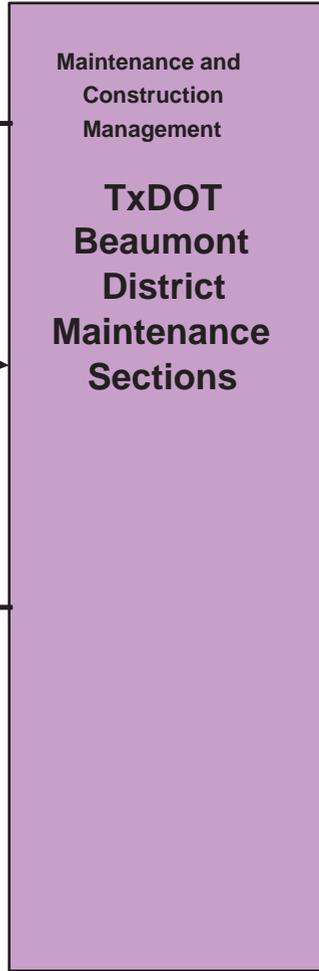


work plan feedback ----->

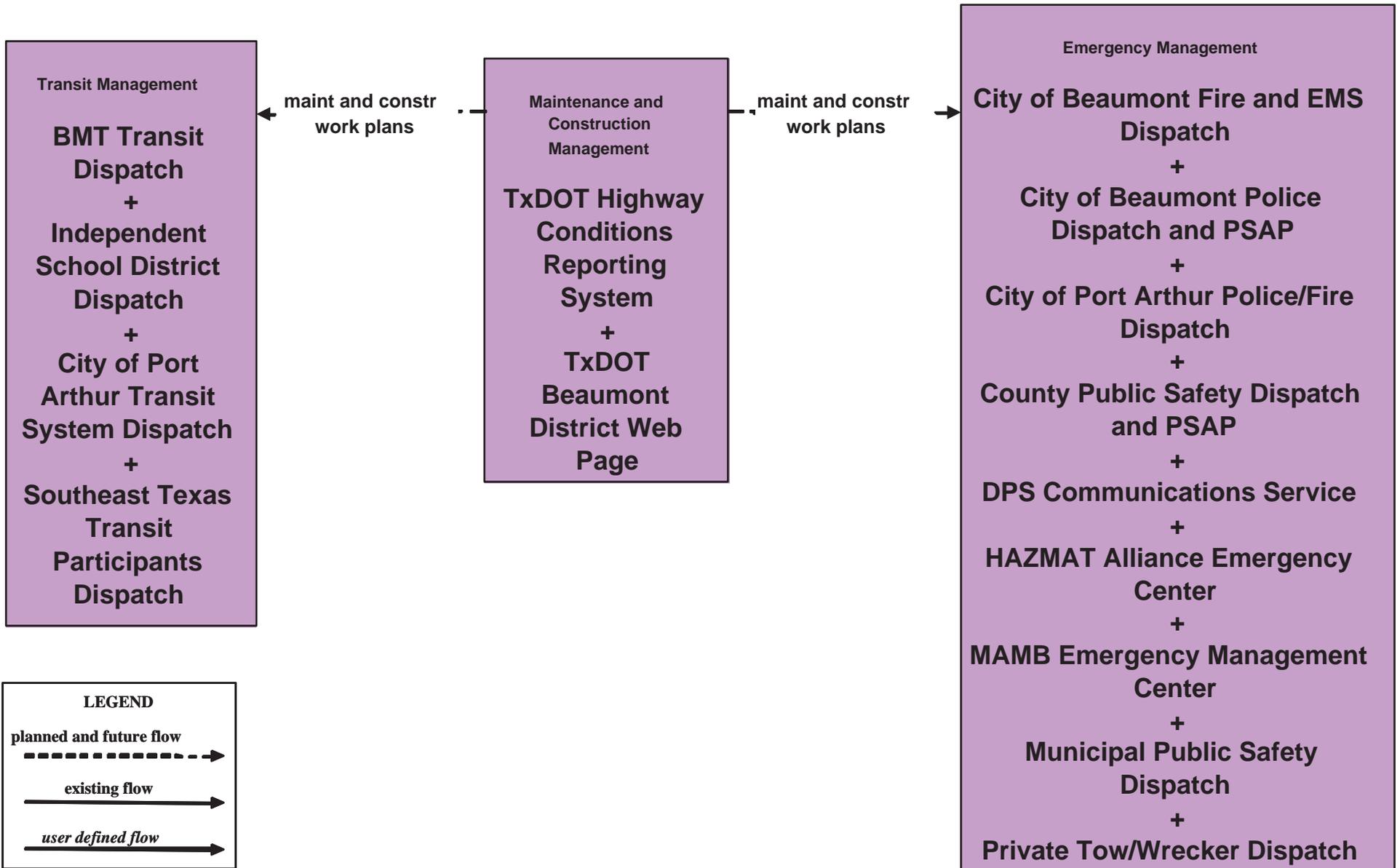
maint and constr work plans_ud ----->

maint and constr work plans ----->

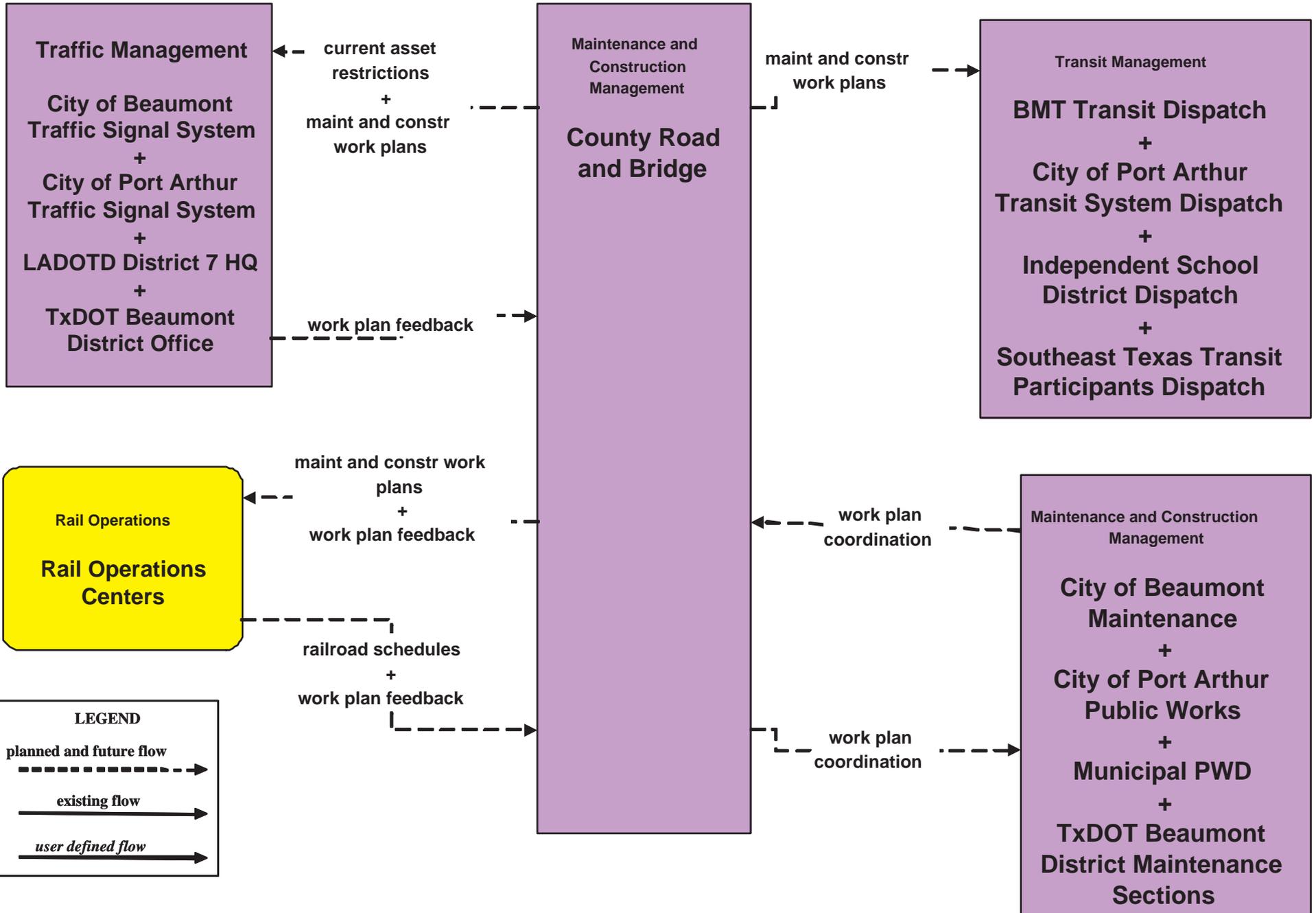
work plan feedback_ud ----->



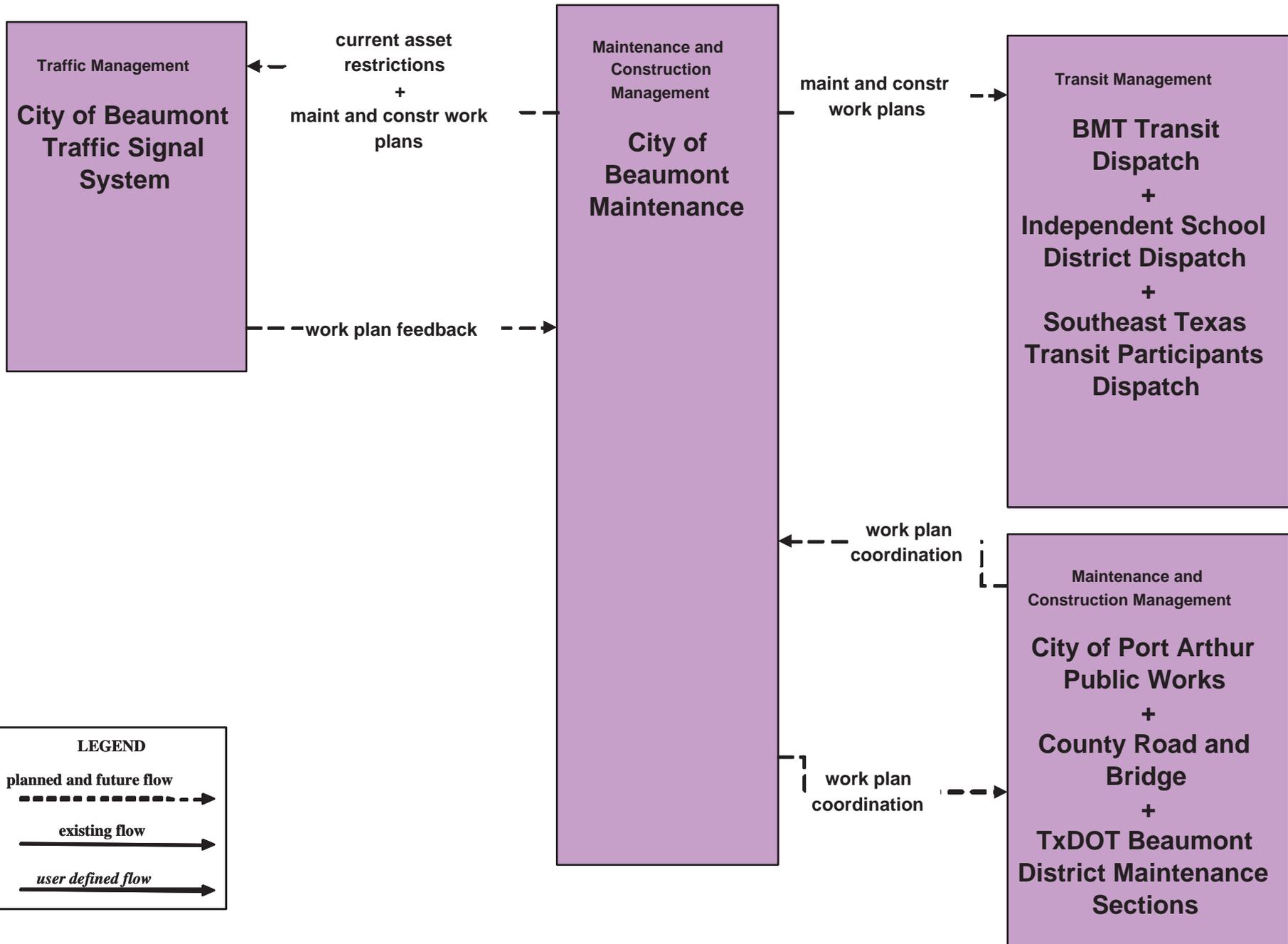
MC10 - Maintenance and Construction Activity Coordination
Activity Coordination- TxDOT (3 of 3)



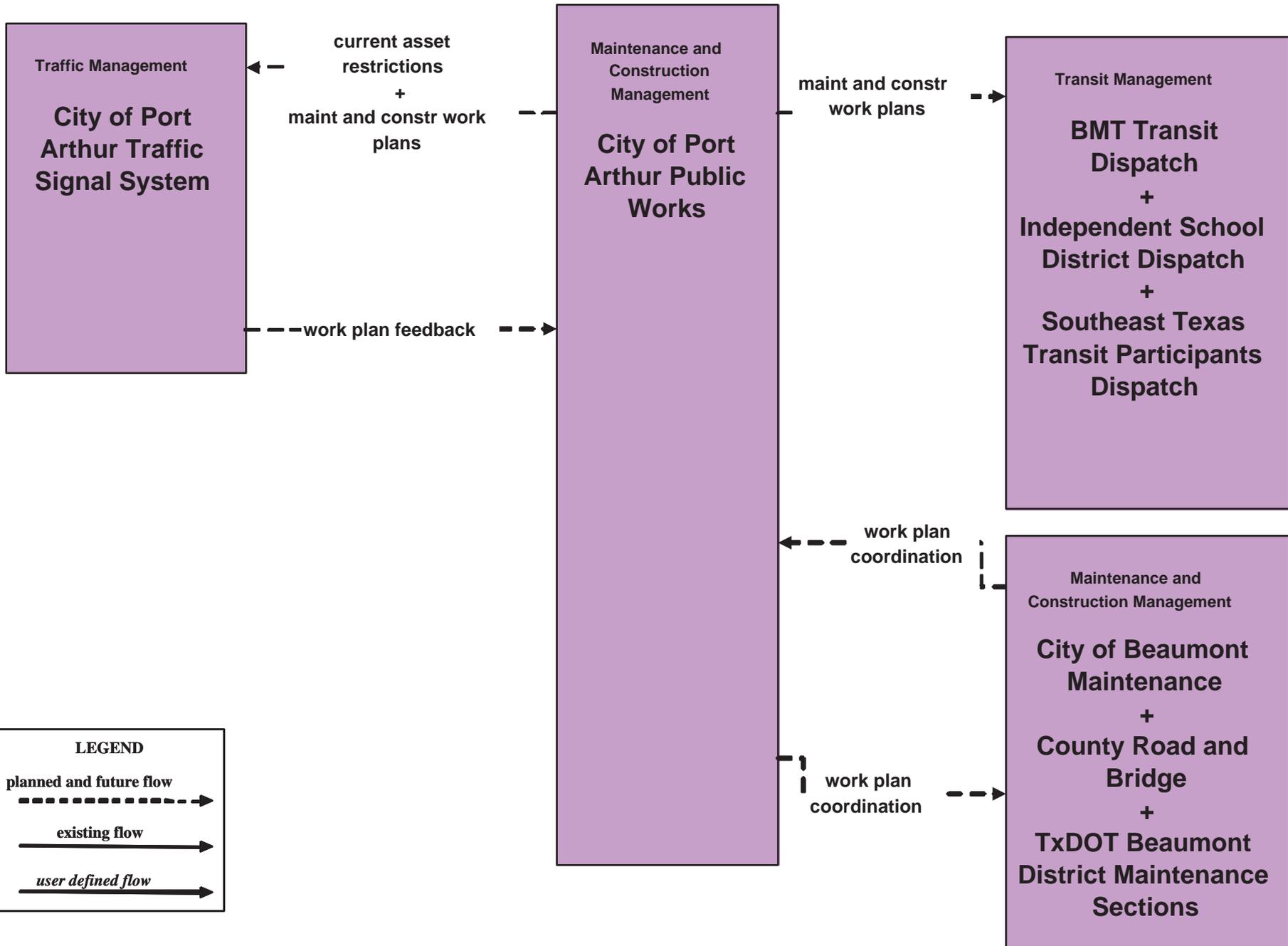
**MC10 - Maintenance and Construction Activity Coordination
County Road and Bridge**



**MC10 - Maintenance and Construction Activity Coordination
City of Beaumont Maintenance**



**MC10 - Maintenance and Construction Activity Coordination
City of Port Arthur Maintenance**



**MC10 - Maintenance and Construction Activity Coordination
Municipal Public Works Departments**

