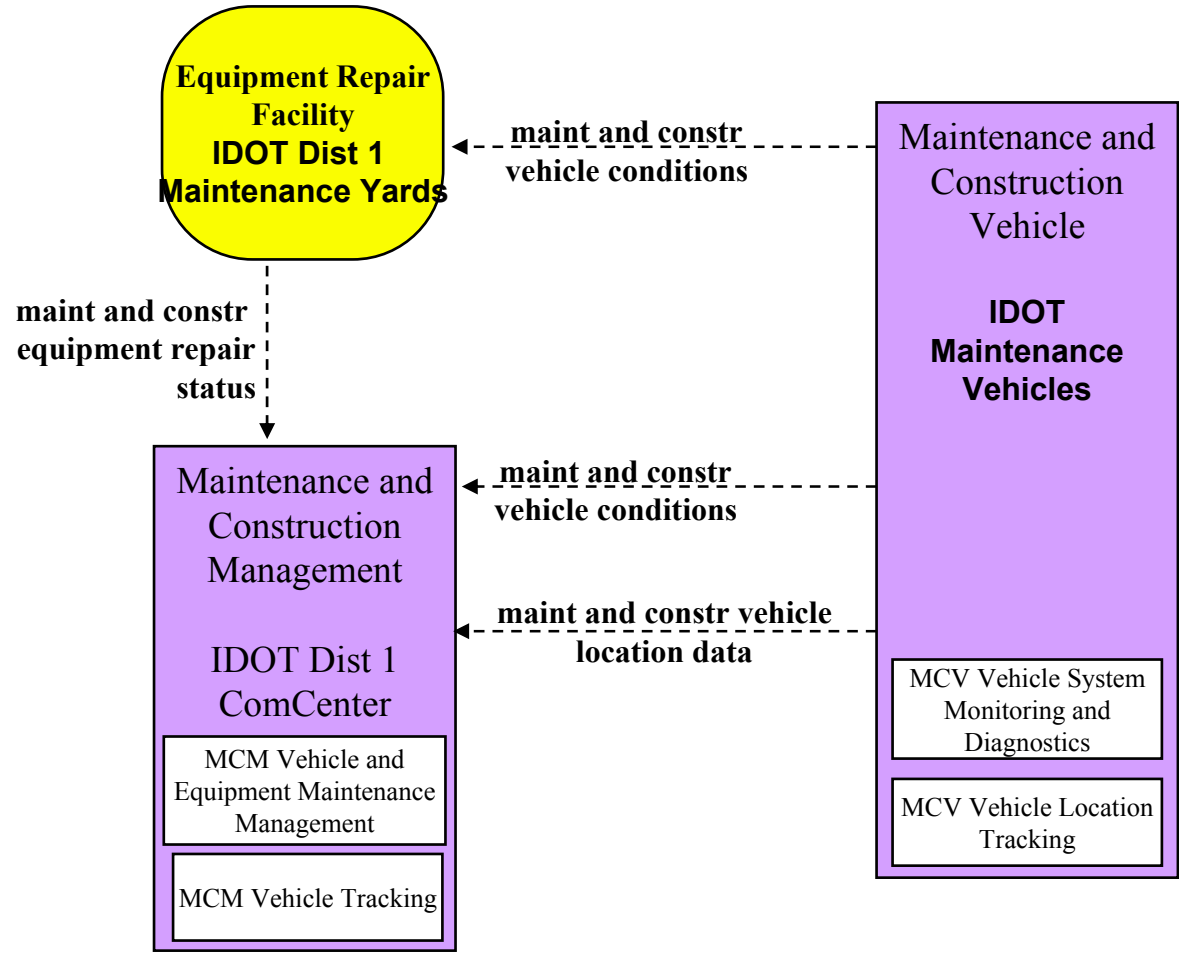
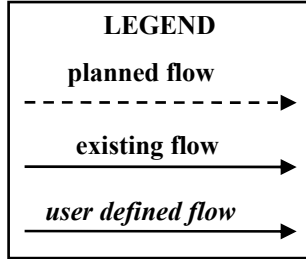


NE Illinois Regional ITS Architecture Customized Market Package Diagrams

Maintenance and Construction (MC)
Customized Market Package Diagrams

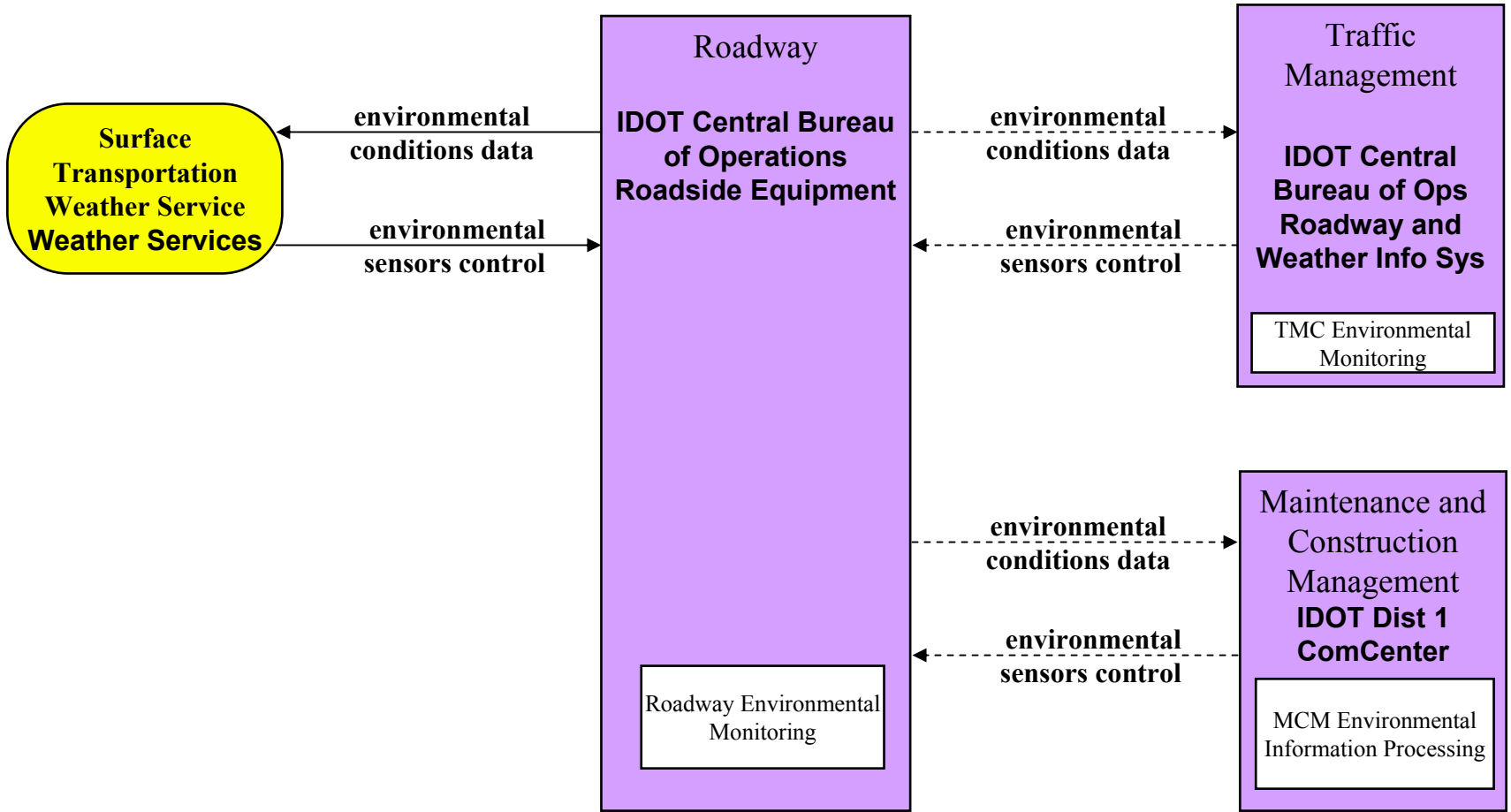
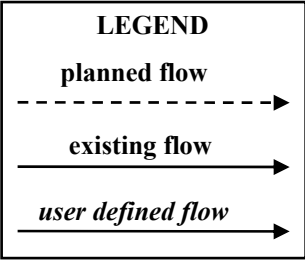
MC01/MC02 - Maintenance and Construction Vehicle Tracking/Maintenance

IDOT Maintenance Vehicles



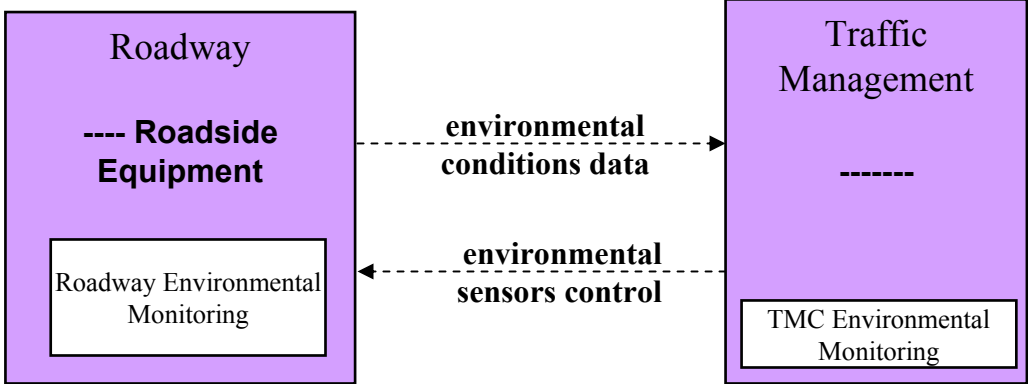
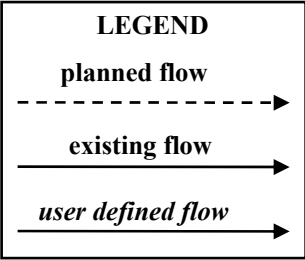
MC03- Road Weather Data Collection

IDOT Central Bureau of Operations Roadside Equipment



MC03- Road Weather Data Collection

IDOT Central Bureau of Operations Roadside Equipment



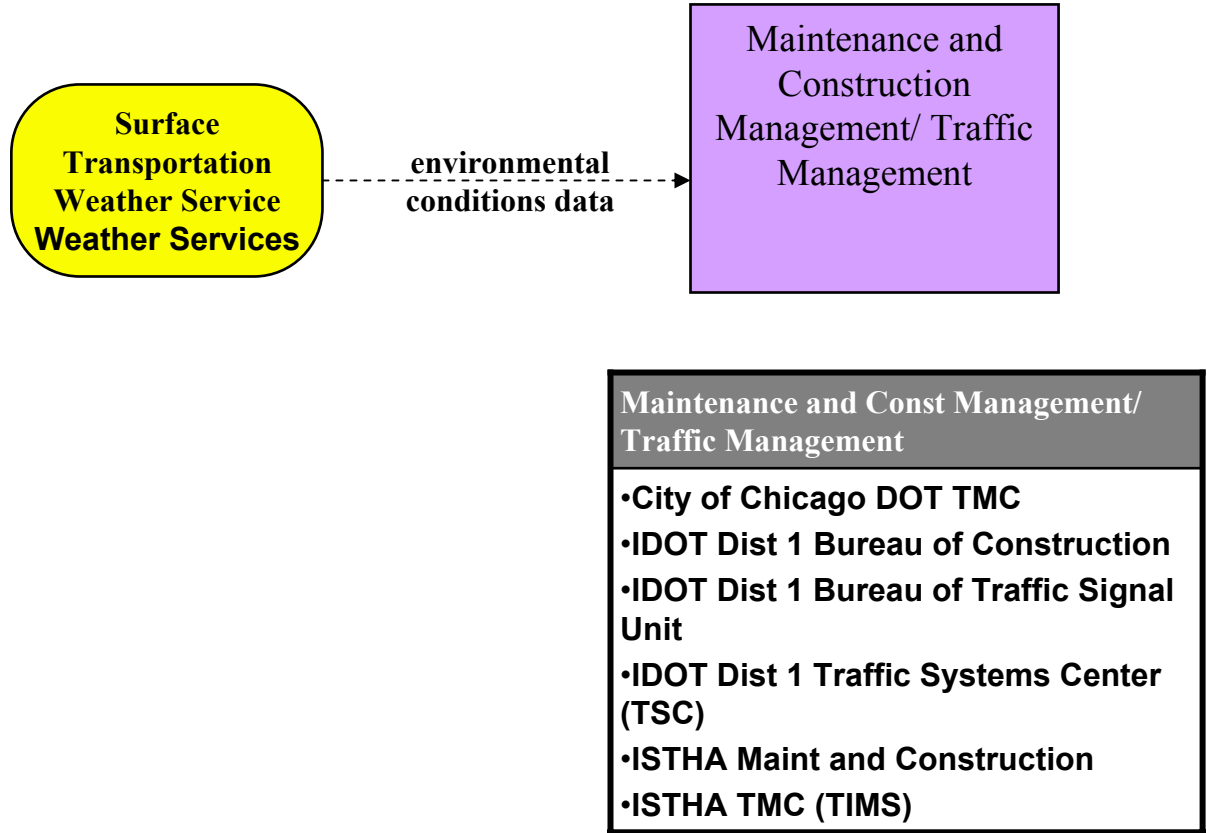
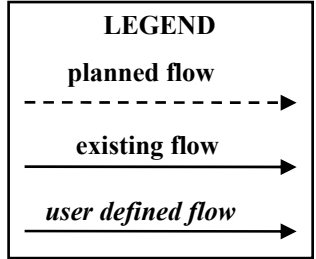
- Roadway**
- City of Chicago DSS Roadside Equipment
 - City of Chicago Skyway Roadside Equipment
 - IDOT Dist 1 Traffic Systems Center Roadside Equipment*

- Traffic Management**
- City of Chicago DOT TMC
 - City of Chicago Skyway Operations
 - IDOT Dist 1 Traffic Systems Center (TSC)*

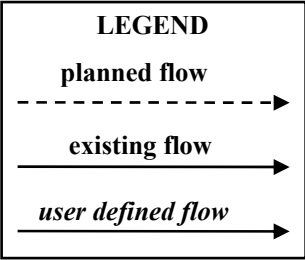
*** Flows to and from IDOT Dist 1 TSC are existing. All others are planned.**

MC03- Road Weather Data Collection

Weather Services Distribution of data

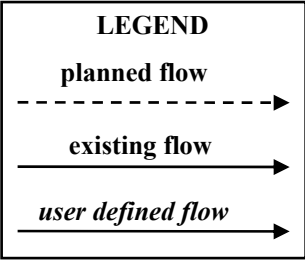


MC04 - Weather Information Processing and Distribution



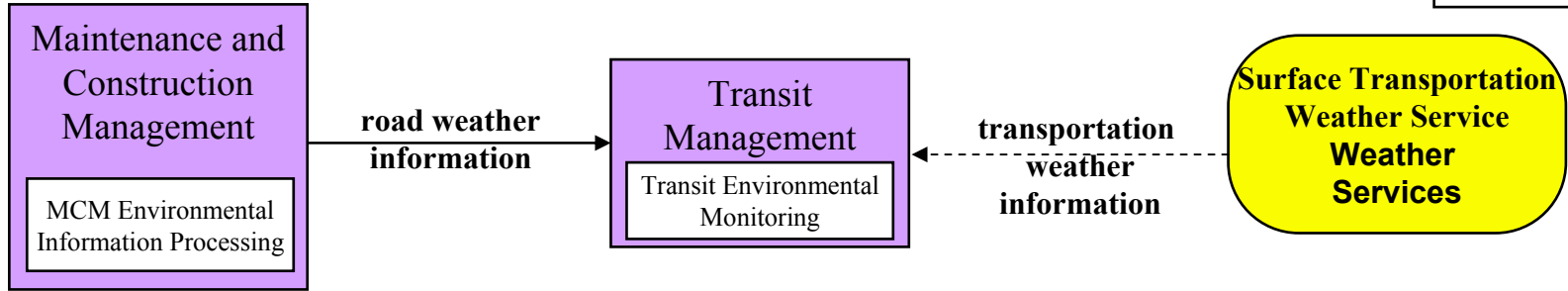
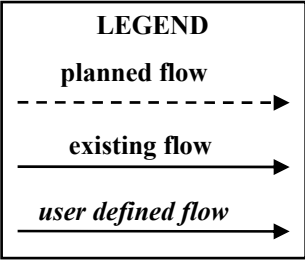
Maint and Const Mgmt	Other Centers
<ul style="list-style-type: none"> •DuPage County Maintenance 	<ul style="list-style-type: none"> •DuPage County TMC •Cook County Highway Dept Maint Bureau •Kane County Maintenance •Will County Maintenance
<ul style="list-style-type: none"> •IDOT Dist 1 ComCenter 	<ul style="list-style-type: none"> •Illinois DOT Information •Kane County 911 Center •Will County Sheriff Comm Center •WsDOT Dist 2 Traffic Ops Center
<ul style="list-style-type: none"> •IDOT Dist 1 Maintenance Mgmt •Kane County Maintenance 	<ul style="list-style-type: none"> •Kane County 911 Center
<ul style="list-style-type: none"> •Kenosha County Highway Maint 	<ul style="list-style-type: none"> •ISTHA Maint and Construction •Lake County Highway Maintenance

MC04 - Weather Information Processing and Distribution



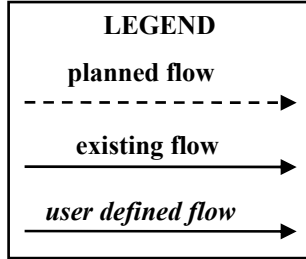
Maint and Const Mgmt	Other Centers
<ul style="list-style-type: none"> •Lake County Highway Maintenance 	<ul style="list-style-type: none"> •Kenosha County Highway Maintenance •Lake County Comm Center •Municipal Public Safety Dispatch
<ul style="list-style-type: none"> •Will County Maintenance 	<ul style="list-style-type: none"> •Will County Sheriff Comm Center

MC04 - Weather Information Processing and Distribution (Transit Portion)



Transit Center	MCM	Weather
CTA Control Center, Metra	<ul style="list-style-type: none"> •City of Chicago DOT BOS Road Maintenance •Cook County Highway Dept Maint Bureau •IDOT Dist 1 ComCenter 	✓
CTA Paratransit Dispatch		
DuPage Centralized Paratransit	•DuPage County Maintenance	✓
PACE IBS		✓
PACE Paratransit Dispatch		

MC06/07 - Winter Maintenance/Roadway Maintenance Cook County Highway Department Maintenance Bureau



Traffic Management

- City of Chicago TMC
- Cook County TMC
- IDOT Dist 1 TSC
- Kane County TMC
- Lake County TMC
- Satellite TMC Ohare
- Airport

TMC Incident Dispatch
Coordination/Communication

maint and constr
resource request +
road network
conditions

maint and constr
resource response +
roadway
maintenance status

Maintenance
and
Construction
Management

**Cook County
Highway
Department
Maintenance
Bureau**

MCM Maintenance
Decision Support

MCM Winter
Maintenance
Management

roadway
maintenance status

Other MCM

Other MCM

- City of Chicago DOT BOS Roadway Maintenance
- DuPage County Maint
- IDOT Dist 1 ComCenter
- IDOT Dist 1 Maintenance Mgmt
- Kane County Maint

**Emergency
Management**

Cook County Sheriff
Comm Center

Illinois State Police Di
spatch (Dist 2,5, and
Chicago)

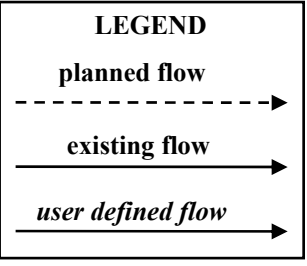
maint and constr
resource request

maint and constr
resource response

transportation weather
information

**Surface
Transportation
Weather Service
Weather Services**

MC06/07 - Winter Maintenance/Roadway Maintenance DuPage County Maintenance



Traffic Management
DuPage County TMC

IDOT Dist 1 TSC

Kane County TMC

Municipal TMCs

TMC Incident Dispatch
Coordination/Communication

Maintenance and Construction Management
DuPage County Maintenance

MCM Maintenance Decision Support

MCM Winter Maintenance Management

Other MCM

Other MCM

- Cook County Highway Department Maintenance Bureau
- IDOT Dist 1 Maint Mgmt
- ISTHA Maint and Const
- Kane County Maint
- Will County Maint

Surface Transportation Weather Service Weather Services

maint and constr resource request

maint and constr resource response + roadway maintenance status

maint and constr resource request

maint and constr resource response + roadway maintenance status

roadway maintenance status

transportation weather information

Emergency Management

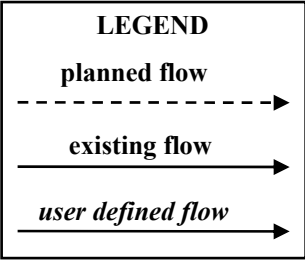
DuPage County EOC

DuPage County Sheriff Comm Center

Illinois State Police Dispatch (Dist 2,5, and Chicago)

Kane County EOC

MC06/07 - Winter Maintenance/Roadway Maintenance Kane County Maintenance



**Traffic Management
DuPage County TMC**

**IDOT Dist 1 Bureau of
Traffic Signal Unit**

Kane County TMC

Municipal TMCs

TMC Incident Dispatch
Coordination/Communication

*maint and constr
resource request*

*maint and constr
resource response +
roadway
maintenance status*

**Maintenance
and
Construction
Management**

**Kane County
Maintenance**

MCM Maintenance
Decision Support

MCM Winter
Maintenance
Management

*roadway
maintenance status*

Other MCM

Other MCM

- Cook County Highway Department
Maintenance Bureau
- DuPage County Maintenance
- IDOT Dist 1 Maint Mgmt
- ISTHA Maint and Const
- McHenry County Maintenance
- Municipal/ Township Maintenance

**Emergency
Management**

Kane County EOC

**Kane County 911
Center**

**Illinois State Police
Dispatch (Dist 2,5,
and Chicago)**

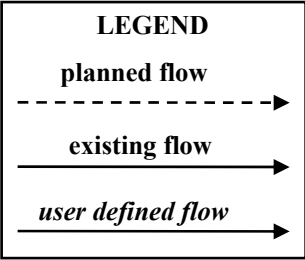
*maint and constr
resource request*

*maint and constr
resource response+
roadway
maintenance status*

*transportation weather
information*

**Surface
Transportation
Weather Service
Weather Services**

MC06/07 - Winter Maintenance/Roadway Maintenance Lake County Highway Maintenance



Traffic Management

IDOT Dist 1 Bureau of Traffic Signal Unit

Lake County TMC

McHenry County TMC

TMC Incident Dispatch
Coordination/Communication

Maintenance and Construction Management

Lake County Highway Maintenance

MCM Maintenance Decision Support

MCM Winter Maintenance Management

Other MCM

Other MCM

- IDOT Dist 1 Maint Mgmt
- ISTHA Maint and Const
- Kenosha County Highway Maint
- Lake County Highway Construction
- Municipal/ Township Maintenance
- Private Sector Maintenance Contractor

Emergency Management

Lake County Comm Center

Municipal Public Safety Dispatch

Illinois State Police Dispatch (Dist 2,5, and Chicago)

Surface Transportation Weather Service Weather Services

maint and constr resource request

maint and constr resource response + roadway maintenance status

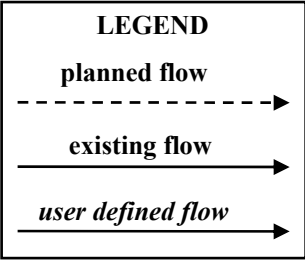
maint and constr resource request

maint and constr resource response + roadway maintenance status

roadway maintenance status

transportation weather information

MC06/07 - Winter Maintenance/Roadway Maintenance McHenry County Maintenance



Traffic Management

IDOT Dist 1 Bureau of Traffic Signal Unit

Lake County TMC

McHenry County TMC

TMC Incident Dispatch Coordination/Communication

Maintenance and Construction Management

McHenry County Maintenance

MCM Maintenance Decision Support

MCM Winter Maintenance Management

Other MCM

Other MCM

- IDOT Dist 1 Maint Mgmt
- ISTHA Maint and Const
- Kenosha County Highway Maint
- Lake County Highway Construction
- Municipal/ Township Maintenance
- Private Sector Maintenance Contractor

Surface Transportation Weather Service Weather Services

Emergency Management

McHenry County Sheriff Dispatch

McHenry County EOC

Illinois State Police Dispatch (Dist 2,5, and Chicago)

maint and constr resource request

maint and constr resource response + roadway maintenance status

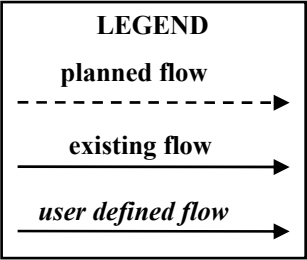
maint and constr resource request

maint and constr resource response + roadway maintenance status

roadway maintenance status

transportation weather information

MC06/07 - Winter Maintenance/Roadway Maintenance Will County Maintenance



Traffic Management
 IDOT Dist 1 Bureau of Traffic Signal Unit
 Municipal TMCs
 Will County TMC

TMC Incident Dispatch
 Coordination/Communication

Emergency Management
 Illinois State Police Dispatch (Dist 2,5, and Chicago)

Maintenance and Construction Management
 Will County Maintenance

MCM Maintenance Decision Support

MCM Winter Maintenance Management

Other MCM

Other MCM

- DuPage County Maintenance
- IDOT Dist 1 Maintenance Mgmt

Surface Transportation Weather Service Weather Services

maint and constr resource request + road network conditions

maint and constr resource response + roadway maintenance status

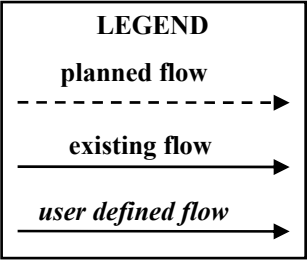
maint and constr resource request

maint and constr resource response

roadway maintenance status

transportation weather information

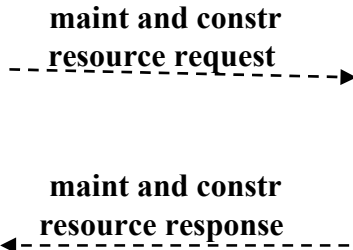
MC06/07 - Winter Maintenance/Roadway Maintenance IDOT Dist 1 ComCenter



Traffic Management

- City of Chicago TMC
- City of Chicago Skyway Ops
- Cook County TMC
- DuPage County TMC
- IDOT Dis 1 Bureau of Traffic Signal Unit*
- IDOT Dist 1 TSC*
- ISTHA TMC (TIMS)
- Kane County TMC
- Satellite TMC OHare
- Will County TMC

TMC Incident Dispatch Coordination/Communication



Maintenance and Construction Management

IDOT Dist 1 ComCenter

MCM Maintenance Decision Support

MCM Winter Maintenance Management

roadway maintenance status

Transit Management

CTA Control Center

Independent School District Dispatch

Emergency Management

Illinois State Police District 15 Operations Desk

