Communication Center
District 4 - Peoria

Illinois Traffic & Engineering Conference
October 23, 2009
District Four – Peoria Communication Center

► Past
► Present
► Future
Past

► One full time Operator
► Answering Service for off hours
► 24/7 during the snow season
  ▪ Filled with part time employees and Duty Officer backup.
► Weather stations and the weather channel
Present

- 24/7 365 Operation
- 5 Operators
Present

- 24/7 365 Operation
- 5 Dispatchers
- 25 Cameras
Present

► 24/7 365 Operation
► 5 Dispatchers
► 25 Cameras
► 2 DMS
Present

- 24/7 365 Operation
- 5 Dispatchers
- 25 Cameras
- 2 DMS
- 11 Counting Stations
Present

- 24/7 365 Operation
- 5 Dispatchers
- 25 Cameras
- 2 DMS
- 11 Counting Stations
- Railroad warning system
Benefits

► Lots of high tech tools
Benefits

- Better Communication
- Better Information
- Better Relationships
Future/Present

- ATMS Software
Map
# Weather Stations

## Weather Station Control

<table>
<thead>
<tr>
<th>Sensor</th>
<th>Reading</th>
<th>Threshold 1</th>
<th>Threshold 2</th>
<th>Threshold 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative humidity</td>
<td>99 %</td>
<td>0 %</td>
<td>0 %</td>
<td>0 %</td>
</tr>
<tr>
<td>Dew point</td>
<td>42.62 deg F</td>
<td>32 deg F</td>
<td>32 deg F</td>
<td>32 deg F</td>
</tr>
<tr>
<td>Wet Bulb Temp</td>
<td>32 deg F</td>
<td>32 deg F</td>
<td>32 deg F</td>
<td>32 deg F</td>
</tr>
<tr>
<td>Air temp</td>
<td>42.62 deg F</td>
<td>32 deg F</td>
<td>32 deg F</td>
<td>32 deg F</td>
</tr>
<tr>
<td>Barometric pressure</td>
<td>No Data</td>
<td>0 inches</td>
<td>0 inches</td>
<td>0 inches</td>
</tr>
<tr>
<td>Average wind</td>
<td>3.73 mph SE</td>
<td>0 mph</td>
<td>0 mph</td>
<td>0 mph</td>
</tr>
<tr>
<td>Wind gust</td>
<td>7.46 mph SE</td>
<td>0 mph</td>
<td>0 mph</td>
<td>0 mph</td>
</tr>
<tr>
<td>Spot wind</td>
<td>0 mph N</td>
<td>0 mph</td>
<td>0 mph</td>
<td>0 mph</td>
</tr>
<tr>
<td>Precipitation rate</td>
<td>0 inches/hour</td>
<td>0 inches/hour</td>
<td>0 inches/hour</td>
<td>0 inches/hour</td>
</tr>
<tr>
<td>1 Hour Accumulation</td>
<td>No Data</td>
<td>0 inches</td>
<td>0 inches</td>
<td>0 inches</td>
</tr>
<tr>
<td>3 Hour Accumulation</td>
<td>No Data</td>
<td>0 inches</td>
<td>0 inches</td>
<td>0 inches</td>
</tr>
</tbody>
</table>

### Plot Time: 3 Hours

#### Air Temp (deg F)

- **Temperature**
- **Threshold 1**
- **Threshold 2**
- **Threshold 3**

### Conditions Conducive To Fog

- **Polling Enabled?**
- **Poll Now**
- **Visibility Units**: Miles
Counting Stations

Sensor Station Control

I-74 and Sterling Ave - RTMS


Comm

Status Diagnostics User Notes

Name Dir Flow Occupancy Speed Errors

WB Driving and Passing W 492 4 61 0

EB Driving and Passing E 720 2 54 0

Sensor Status

Comm Error
Power
Controller
Other
Laptop
Keypad
Door
Detection

Plot option Speed Plot time 1 Hour Plot direction W Plot lane type Normal

Speed (mph) Track

mhp

50.0

52.5

55.0

57.5

60.0

1030 1035 1040 1045 1050 1055 1100 1105 1110 1115 1120 1125

Timestamp

DISABLE detection for minutes Enable/Disable

Polling Enabled? Poll Now

Close
<table>
<thead>
<tr>
<th>Station</th>
<th>Name</th>
<th>Road</th>
<th>Dir</th>
<th>MM</th>
<th>Page 1</th>
<th>Page 2</th>
<th>Page 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-74 and Henz Lane</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>I-74 and Muller Road</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Bloomington DMS</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>HIT A WORKER $10,000 FINE 14 YRS IN JAIL</td>
<td>DRIVE SAFELY WATCH FOR ROAD WORKERS</td>
<td></td>
</tr>
<tr>
<td>Carlock DMS</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>HIT A WORKER $10,000 FINE 14 YRS IN JAIL</td>
<td>DRIVE SAFELY WATCH FOR ROAD WORKERS</td>
<td></td>
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<tr>
<td>Towanda DMS</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>ROAD WORK AHEAD</td>
<td>BE PREPARED TO STOP EXPECT DELAYS</td>
<td></td>
</tr>
<tr>
<td>Shirley DMS</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>ROAD WORK AHEAD</td>
<td>BE PREPARED TO STOP EXPECT DELAYS</td>
<td></td>
</tr>
<tr>
<td>Hudson DMS</td>
<td>I-74</td>
<td>W</td>
<td>0.0</td>
<td></td>
<td>ROAD WORK AHEAD</td>
<td>BE PREPARED TO STOP EXPECT DELAYS</td>
<td></td>
</tr>
</tbody>
</table>
Video
Incident Notification

Vehicle Accident with Injury
06926 Block, 06926 N UNIVERSITY ST PA, 01400 W TETON DR PA 61614

Source: Peoria911
Impact: Unknown
ID: PC091015110715-8144

Active: Yes
Examine: Yes
Associated: No
Ignored: No

Start Time: 10/15/09 12:07:15

CAP Data

<table>
<thead>
<tr>
<th>Update</th>
<th>Status</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/15/09 12:07:46</td>
<td></td>
<td>CAR FLIPPED ON UNIV LANDED IN FRT OF DIXONS ON UNI 1107,003</td>
</tr>
</tbody>
</table>

Actions

Incident Operations
- Generate Incident
- Associate Incident

Alert Operations
- Ignore Alert
- Alert Log

Temporary Ignore
- Set Ignore 0 minutes

Associated Incidents

Incident Data

Launch Incident
Break Association
Website
On all Interstate Routes the following real-time (within 20 min.) information is required:

- Construction activities including implementing or removing lane closures
- Incidents causing a roadway or lane blocking event
- Roadway weather observation updates (e.g. icy conditions, impaired visibility, etc.)
QUESTIONS?