Operations Summary

October 10, 2005

Hours of Operation
5:30 AM to 10:00 PM
365 days a year

After Hours service through remote connection
Operators Duties

- Aggressively monitors the system
- Activate equipment
- Communicate with agencies
- Log incidents
- Report Equipment Failures
Operations Flow

- Monitor System → Investigate
- Communicate → Initiate
- Anticipate → Terminate
TMC Objectives

Incident Management
- Monitoring the System Verification
- Communication with agencies
- Data Collection
- Locations of high incident areas
- Assistance to motorists

Traffic Management
- Dynamic Message Signs
- 511
- Media Coordination

Traveler Information

ALL ARE BASED ON DETECTION
Incident Detection – 2006

All Incidents
- 78%
- 12%
- 10%

With Lane Blockage
- 47%
- 39%
- 14%

911/PD  ITS  MAP
Detection Tools

27 CCTV Cameras controlled by MIST

60 RVD fed into MIST

911 and PD in Ops room

MAP radio communication
Communication Tools

8 DMS in Baton Rouge controlled by MIST
Access to 32 more in Louisiana

CARS/511
Web Page
Phone
Email notification
MIST CCTV Interface
MIST Congestion Map
MIST DMS Interface
Message Format

Line 1  What?  I-10E CLOSED
Line 2  Where?  AT COLLEGE
Line 3  Information  USE ALTERNATE

• Library or manually entered
• Default message is Travel Time
Travel Time

- 12 Travel Time routes
- Data from RVD fed to MIST
- MIST produces the Travel Times automatically
- Operators monitor
511 Interface
# Operations Weekly Report

## LaDOTD - Baton Rouge
Advanced Transportation Management Center

**Operations Report**
for week ending: Saturday, February 10, 2007

This report contains statistical and operational data of activities at the LaDOTD Transportation Management Center for the period Sunday, February 04, 2007 to Saturday, February 10, 2007.

**Confidential Information:** This report is prepared for display at operation probe 31005-450 Contact the Intelligent Transportation Systems (ITS) office at 225-342-6964 before releasing any information.

## Incident Summary
A summary of the incidents logged by ITS Operations

<table>
<thead>
<tr>
<th>Incident Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Incidents</td>
<td>213</td>
</tr>
<tr>
<td>Incidents with Lane Blockage</td>
<td>30</td>
</tr>
<tr>
<td>Total Closures</td>
<td>0</td>
</tr>
<tr>
<td>Total Lanes Blocked</td>
<td>32</td>
</tr>
</tbody>
</table>

- **Total Incidents**: The total number of logged incidents during this period. An incident is defined as any event of the roadway which affects or can affect normal traffic flow.
- **Incidents with Lane Blockage**: The total number of logged incidents which resulted in at least one blocked lane of travel.
- **Total Closures**: The total number of incidents in which all lanes of travel were blocked. Brief total closures for vehicle recovery time (time below) are not included.
- **Total Lanes Blocked**: The total number of lanes which were blocked during this period. For example, one incident with two lanes blocked counts as one to the total.
- **Total Minutes of Blocked Lanes**: The total number of minutes in which lanes of travel were blocked during this period. For example, one incident with two lanes blocked for 30 minutes counts as 60 minutes to this total.
- **Average Time to Clear Lane**: The average time for all lanes to be cleared for an incident. This time is calculated from the incident start time until all lanes are cleared.
- **Avg Start to Normal Time**: The average time for the roadway to return to normal traffic flow. This is a true measure of the duration of an incident as it is calculated from the incident start time until the congestion has dispersed.

Week ending 02/10/2007
2006 Statistics

13,551 Total Incidents

1436 of these blocked lanes

554 stalled vehicles

882 accidents
2006 Summary

Incidents Managed - All Incidents

- 75%
- 6%
- 11%
- 8%

Accidents
Disabled Vehicles
Other
Congestion Management

LaDOTD ITS Group
2006 Summary

Incidents Managed - w/o Disabled Vehicles

- Multi Vehicle A: 25%
- Other A: 3%
- Stalled V & V fires: 15%
- TT & AA: 27%
- Congestion: 5%
- Police/Medical Activity: 10%
- Debris: 8%
- other: 7%
2006 Summary

Rush Hour - Lane Blockage

- AM Rush Hr: 20%
- PM Rush Hr: 34%
- rest of day: 46%

LaDOTD ITS Group
Blockage Duration

Minutes

<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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<tbody>
<tr>
<td>30</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>140</td>
<td>140</td>
<td>120</td>
</tr>
</tbody>
</table>

Duration

Qty

LaDOTD ITS Group
2006 Summary

Incident Management

Verification  Clearance  Recovery

1:18  54:54  58:12
2006 Summary

Average Response Times

<table>
<thead>
<tr>
<th></th>
<th>MAP</th>
<th>Police Dept.</th>
<th>Fire Dept.</th>
<th>EMS</th>
<th>Tow</th>
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<tbody>
<tr>
<td>Q1</td>
<td>17.1</td>
<td>14.9</td>
<td>7.9</td>
<td>8.3</td>
<td>57.8</td>
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<tr>
<td>Q2</td>
<td>16.3</td>
<td>16.7</td>
<td>9.4</td>
<td>12.0</td>
<td>64.3</td>
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<tr>
<td>Q3</td>
<td>13.9</td>
<td>16.0</td>
<td>7.8</td>
<td>13.1</td>
<td>73.3</td>
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<tr>
<td>Q4</td>
<td>14.2</td>
<td>17.4</td>
<td>10.3</td>
<td>12.9</td>
<td>58.4</td>
</tr>
<tr>
<td>2006</td>
<td>15.0</td>
<td>16.3</td>
<td>9.1</td>
<td>11.4</td>
<td>63.6</td>
</tr>
</tbody>
</table>
Top 5 Incident Locations

1. MRB
2. I-10 / I-110
3. Perkins Road
4. Nicholson Drive
5. Acadian Throughway
I-10 Corridor Travel Time

Westbound

January

December

Eastbound

January

July

December

< 10:00  < 12:00  < 13:00  16:00 +

LaDOTD ITS Group
BRIM Meetings
I-10 WB at Perkins
Wednesday
June 14, 2006
5:00 AM
Incident Impact

2:30 AM to 9:31 AM

Lane Closure Time 998 minutes

Total Closure for 152 minutes
Two Lanes for 423 minutes
Estimated Financial Cost

Passenger Vehicle Cost - $ 670,420.34
Passenger Fuel Cost - $ 218,702.32
Commercial Vehicle Cost - $ 272,594.34

Total - $ 1,161,717.00
I-10 EB at Acadian
Monday
18 Sep 2006
3:43 PM
Incident Summary

3:43 PM to 5:26 PM

Total Closure for 6 minutes at 4:50 PM

Two Lanes for 95 minutes
Future Projects for Operations

CCTV / DMS Secondary Avoidance in Livingston Parish

Public Notification of Ferry Operations

Cost of Congestion Tool