TRAFFIC MANAGEMENT CENTERS: CHALLENGES, BEST PRACTICES, AND FUTURE PLANS

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Traffic management centers (TMCs) monitor and manage the traffic flow and the transportation network, as well as provide traveler information.

A TMC also functions as the technical and institutional hub that facilitates interagency coordination and integrates a wide range of traffic management strategies.
The success of a TMC directly influences the efficiency of the transportation network, the economic competitiveness of a region, and the quality of life for the communities.

The goal of this research is to provide an updated and comprehensive scan of current practices in TMC operations.
Objectives

- Update the knowledge in TMC practices in terms of the latest technologies, tools and strategies in addressing the new challenges faced by urban traffic management agencies.

- Establish a general standard in TMC performance, and provide guidelines for future plans.
Project Tasks

- Task 1 Literature review.
- Task 2 Focus area identification and TMC selection.
- Task 3 Survey design and implementation.
- Task 4 Benchmark analysis.
- Task 5 Information dissemination and final report.
# Project Schedule

<table>
<thead>
<tr>
<th>Tasks</th>
<th>2013</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Jan</td>
<td>Feb</td>
</tr>
<tr>
<td>Task 1 – Literature Review</td>
<td></td>
<td></td>
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<tr>
<td>Task 2 – Focus Area Identification</td>
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<td></td>
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<tr>
<td>Task 3 – Survey Design and Implementation</td>
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<tr>
<td>Task 4 – Benchmark Analysis</td>
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<td>Q</td>
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<tr>
<td>Task 5 – Final Report</td>
<td>Q</td>
<td>Q</td>
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</tbody>
</table>

Q: Quarterly Report
D: Draft Report
F: Final Report
Accomplishments To Date

- Task 1 Literature Review
  - Metropolitan Transportation Management Center Concepts of Operation A Cross-Cutting Study. FHWA-JPO-99-020
  - TMC Pooled Fund Study with FHWA
    http://tmcpfs.ops.fhwa.dot.gov/cfprojects/new_search.cfm?new=2
Accomplishments To Date

- Task 2 Focus Area Identification
  - institutional coordination,
  - incident management,
  - active traffic management strategies,
  - data management, field equipment and communications, and
  - hardware/software maintenance procedures, etc.
Accomplishments To Date

- Development of the TIM assessment framework
Next Steps

- Complete Task 1 and 2
- Survey Design