

Houston-Galveston Areas- FHWA- assistance

Capability Maturity Levels

Business Processes:	1
Systems & Technologies:	2 TxDOT and City of Houston and 1 for other agencies
Performance Measures:	3
Culture:	2.5
Organization & Staffing:	3-
Collaboration:	2.75

Priority Actions

1) Business Processes

Action Description: Operations Task Force to establish a framework suitable for Regional TSMO related planning and programming activities.

Product(s)/ Desired Outcome(s)

- I. Expansion of the incident management program
- II. A Communications Master Plan

Suggested FHWA Technical Assistance & Training

- **Training**
 - FHWA Planning for Operations Workshop
 - FHWA Performance Measures Workshop
 - FHWA Benefit and Cost Analysis Tool workshop
- **Possible P2P States and Reference Materials**
 - [Regional Transportation System Management and Operations – Portland, OR](#)
 - [Transportation Operations Master Plan, DVRPC, 2009. The TSM&O plan for Greater Philadelphia](#)
 - [Florida Transportation Systems Management and Operations Strategic Plan, updated 2013.](#)
 - Washington State DOT Statewide Intelligent Systems Plan.
- **References**
 - White Paper - Organizing for Reliability – CMM Assessment and Implementation Plan Support – Business Processes

2) Systems & Technologies

Action Description:

1. Develop a set of requirements compatible with existing infrastructure
2. Systems Engineering templates for common projects
3. Thorough review of the ITS Architecture

Product(s)/Desired Outcome(s)

- I. Tools, procedures, and trainings

Suggested FHWA Technical Assistance & Training

- **Training**
 - Turbo Architecture

- Using your Regional ITS Architecture
- **Reference(s)**
 - FHWA White Paper Organizing for Reliability – CMM Assessment and Implementation Plan Support – Systems & technology
 - **Possible P2P states: MD, OR, UT, GA, Whatcom CO, CO/DRCOG, FDOT, Kansas/WAMPO, New Jersey, and Rhode Island.**

Systems Engineering

- **Training**
 - **Systems Engineering Workshop**

3) Performance Measurement

Action Description: Continue developing and maintaining existing measures and expand into other areas where applicable.

Products/Desired Outcome(s)

I. ????

Suggested FHWA Technical Assistance & Training

- **Training**
 - Performance Measures Workshop
- Possible P2P States and References/Reports
 - Local/Regional Performance Measurement
 - [Bay Area Transportation State of the System](#), Metropolitan Transportation Commission and Caltrans
 - [Caltrans PeMS \(Freeway Performance Measurement System\)](#)
 - [2010 Transportation MAP \(Metropolitan Atlanta Performance\) Report](#)
 - State DOT Performance Measures Program
 - [Florida DOT - Mobility Performance Measures Program](#)
 - [Missouri DOT - MoDOT TRACKER](#)
 - [Minnesota DOT - Dashboards and Performance Measures at Mn/DOT](#)
 - [Virginia DOT Statewide Dashboard](#)
 - [Washington State DOT - WSDOT Accountability & Performance Information](#)
 - Washington State DOT has a comprehensive listing of State DOT performance monitoring programs in their Performance Measurement Library:
 - [Washington State - Performance Measurement Library](#)
- References
 - White paper - Organizing for Reliability – CMM Assessment and Implementation Plan Support – Performance Measures
 - National Performance Reports
 - [Annual Urban Mobility Report](#)
 - INRIX Scoreboard - <http://www.inrix.com/scorecard/>

National Performance Measurement Research Data Set Information (NPMRDS)

4) Culture

Action Description: Tell our Operations Story to Sr. Leadership

Product(s)/Desired Outcome(s)

- I. Provide a presentation promoting Regional TSMO and Strategies to regional Sr. Level Stakeholders from FHWA Sr. Leadership
- II. Regional Sr. Leadership participation in the FHWA Operations Academy

Suggested FHWA Technical Assistance & Training

- **Training**

- FHWA - Operations CEO Presentation (MPO)
- FHWA – Operations CEO Presentation (DOT)
- FHWA National Operations Academy

- **References**

- FHWA White Paper Organizing for Reliability – CMM Assessment and Implementation Plan Support – Culture
- Washington – Public Relations: \$1K Doug MacDonald Challenge

5. Organization & Staffing

Action Description: Continue what we are doing however develop staffing plans to sustain the operations program

Product(s)/Desired Outcome(s):

1. TxDOT and City of Houston to share their succession plan and mentoring plan model with other smaller agencies for review and possible implementation
2. Reach out to LTAP as a resource to provide industry examples of succession and mentoring plans.

Suggested FHWA Technical Assistance and Training

- **Reference(s)**

- White Paper Organizing for Reliability – CMM Assessment and Implementation Plan Support – Organization & Staffing

- **Possible P2P States:** CO, NJ, & TN

6. Collaboration

Action Description:

1. Develop the expanded Incident Management Program to reach the region
2. Increase data sharing capabilities between agencies
3. Outreach to agencies whom are not attending incident management meeting, but should (i.e. fire)

Product(s)/Outcome(s)

- I. Monthly SHRP2 Incident Management Training
- II. Increase data sharing capabilities between agencies

Suggested FHWA Technical Assistance & Training:

- Training
 - Incident Management Train-the-Trainer Workshop
 - Incident Management CMM Framework Workshop
 - Work Zone CMM Framework Workshop
 - [FHWA Traffic Incident Management Tool Kit](#)
 - NHI – Law enforcement in Work Zone Training
 - Possible P2P States: GA, TN, & MO
- References
 - FHWA White Paper - Organizing for Reliability – CMM Assessment and Implementation Plan Support – Collaboration