



IMPLEMENTATION PLAN OUTLINE

Space Coast TPO ITS Master Plan

March 2015



INTRODUCTION

Goal:

To provide a **step by step outline** to implement the operation of the ITS Master plan.

Object of Operations & Maintenance Plan:

- To improve mobility
- Identify stakeholders
- Identify challenges
- Identify funding source options
- Gain stakeholder buy-in



OPERATIONS & MAINTENANCE PLAN

Considerations:

1. Will the TPO be the umbrella for the region's operation center? What are the other options?



OPERATIONS & MAINTENANCE PLAN

Considerations:

2. What are the roles and responsibilities of each agency/stakeholder?

- SCTPO
- City of Melbourne
- City of Palm Bay
- City of Titusville
- City of Cocoa
- Brevard County
- Space Coast Area Transit
- FDOT
- Law Enforcement / Emergency Management Agencies



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Considerations:

3. Interaction and demarcation points of each agency?
Documenting this information in the Con-Ops.
 - Maintenance demarcation points
 - Operations/Reporting demarcation points
 - Geographic demarcation points



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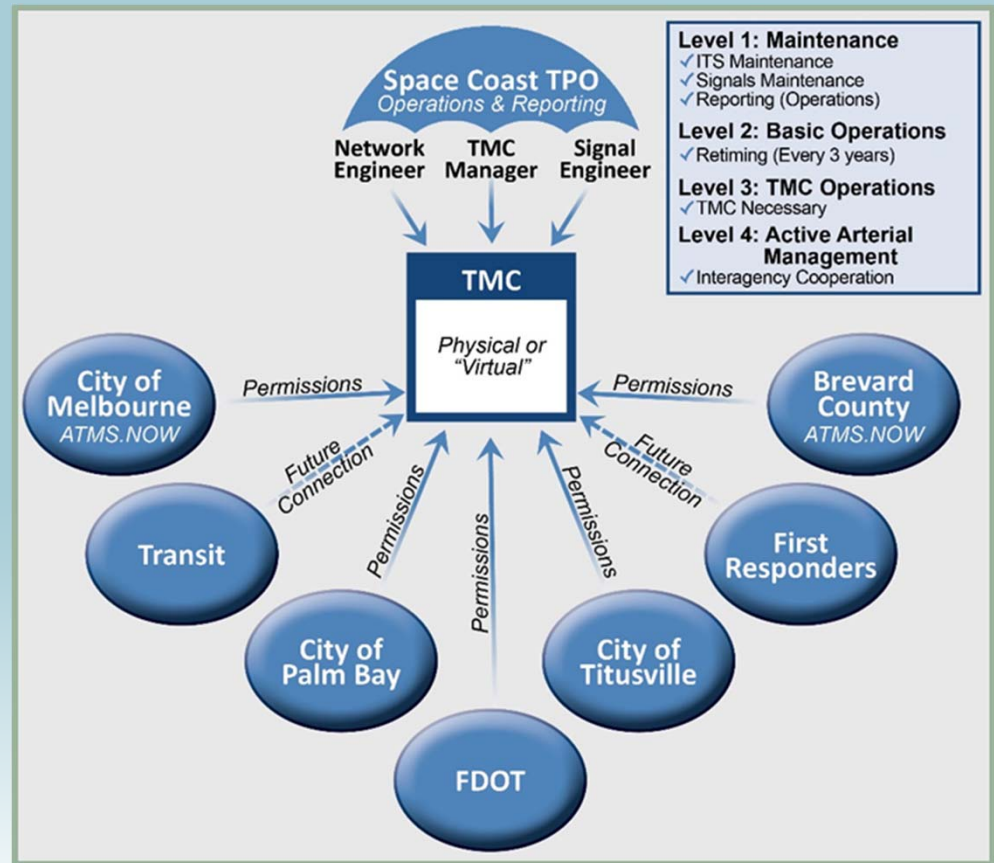
Considerations:

4. Establish TMC:

Potential Levels of TMC

Operation (Not quite a Level 1)

- **Level 1:** Maintenance Level - No TMC required
- **Level 2:** Basic Operations Level - Dependent of some level of TMC
- **Level 3:** Traditional TMC Operations – TMC required
- **Level 4:** Active Arterial Management (Requires regional maturity)



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Considerations:

5. Establish TMC

- Staffing level requirements
 - TMC Supervisor
 - Signal Engineers
 - Network Engineer
 - ITS Engineer
 - TMC Operators
 - Public Information Officer



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Considerations:

5. Establish TMC

- Role of TMC during emergency operations
 - Co-location with law enforcement and emergency operations staff
 - Roadway/isolated incidents
 - Hurricane/area-wide incidents



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Considerations:

6. Potential mechanisms for implementation

- ➔ • *Recommendation:* TPO provide additional funds for each maintaining agency to ensure proper resources. Each agency continues with existing maintenance responsibilities.
- ➔ • *Recommendation:* TPO or other option maintains the umbrella for operations of the region and provides a shared network personnel and signal re-timing engineer



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Considerations:

7. Agreement/Performance Measure Development
 - Memorandum of Understanding (MOU) or Memorandum of Agreement (MOA)



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Timeline

8. Implementation Timeline

- Years (1-2): Operations and Maintenance Funding
- Years (1-2): Some level of TMC depending on Operations Funding
- Year 2: Update ITS Master Plan by Operations Staff
- Years (3-5): Phase 1A
- Years (5+): Phase 1B and Phase 2
- Years (5+): TSP



QUESTIONS?

