



**Space Coast TPO – ITS Master Plan
Stakeholder Meeting #5**

MEETING MINUTES

January 7, 2015 from 10:00 AM – 12:00 PM

Government Center - Building C, Third Floor, Atlantic Room
2725 Judge Fran Jamieson Way, Melbourne, FL 32940

Attendees:

Steven Bostel	Space Coast TPO
Dale Cody	Metric Engineering
Renata Caetano	Metric Engineering
Jessica Moses	Metric Engineering
Travis Hills	Kittelson & Associates
Jack Freeman	Kittelson & Associates
Katrina Morell	Space Coast TPO
Georganna Gillette	Space Coast TPO
Kwabena Ofori	City of Palm Bay
Ed Wegerif	City of Cocoa
Bob Torres	City of Cocoa Beach
Jeff Ratliff	City of Cape Canaveral
Scott Morgan	City of West Melbourne
Jenni Lamb	City of Melbourne
Scott Arnold	City of Melbourne
Alton Robinson	Brevard County Traffic Operations
Corrina Gumm	Brevard County Traffic Operations
Devin Swanson	Brevard County Traffic Operations
Mark Warner	Canaveral Port Authority
John Denninghoff	Brevard County Public Works
Manny Rodriguez	FDOT – D5

Previous Task, Overview and Meeting Introduction

- Today's workshop is to get comfortable with Operations & Maintenance (O&M) levels and to discuss where stakeholders would like to see devices – get input prior to any design or construction
- Task 2 Update – Metric received a few comments from stakeholders and will finalize the document
- Task 3 Update – Stakeholders have until the 15th of January to review and provide feedback



- Stakeholders are encouraged, when reviewing documents, to ask questions and speak their minds. Review documents with the idea: “ITS is a Traffic Operations tool.”
- Reminded that some corridors may receive fiber or devices due to redundancy. A resilient network is the key and US 1 may get fiber because it allows devices to not drop, if something were to happen to the network.

Task 4 Discussions

➤ *Briefly discussed overall preliminary costs:*

\$2.5 million – TMC

\$5 million/year – staffing (O&M) – includes existing staff and ITS equipment

\$7.7 million – life cycle replacement costs

➤ *Some questions/comments from stakeholders to start the workshop conversation:*

1) How can we get O&M costs down? Regional resource sharing

2) How does the O&M “pie gets sliced”? Density versus number of signals?

- A lot of the traffic is caused by non-residents. Visitors are the main cause of Cocoa traffic. How does the ITS benefit our locals? How are we justifying the money spent?

3) How can we phase O&M funding and make it work for the Space Coast area?

- Start with a few priority corridors, do this well and then expand out
- What are tiers of operations we need?
- Reports and performance measure evaluation

➤ *Overview of maps and legends provided on workshops agenda.*

➤ *Overview of the redundancy fiber - not necessarily used for devices on that corridor*

➤ *Responsive System to be included in maps*

➤ *Master Plan was broken into phases*

Workshop

The group broke into small groups to look over the maps and mark up with comments, edits, suggestions and overall input regarding Task 4 (device/fiber placement). (See stakeholders comments attached)

Post Workshop – O&M Discussion

➤ Phase 1A is higher priority corridors and TMC deployment – TMC is assumed to be resource-sharing network

- Cost of O&M includes staff and maintenance of already existing ITS/ATMS equipment



➤ Levels stakeholders need:

Maintenance Level

- Basic preventative maintenance
- Regular inspection
- Keep everything up and running

Basic Traffic Operations Level

- Regular retiming
- Normal day operations

Active Arterial Management (AAM) Level

- We want to get to this level – operating at the highest possible level and actively managing Space Coast traffic

TMC Level

- Gathering data and reporting – important when it comes to politicians because they see the reports showing benefits and improvements (gets more funding)

➤ Master Plan Funding

\$5 million O&M (per year) - Master Plan costs could initially be a tough sell; how are we going to spend the phase(s) money and sell the use of this money?

- A Space Coast TPO appointed Coalition Group to handle this
- Propose 1 TMC with access for all agencies
- TPO employs/funds – that way all stakeholders are “in agreement”

➤ TMC Discussion

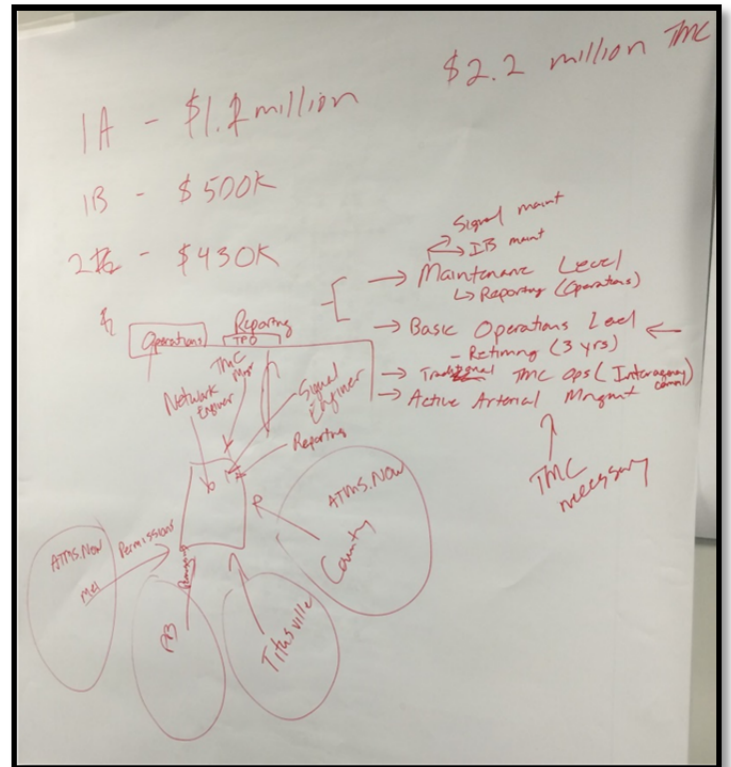
- Paying for a large TMC now is not a cost solution
- Needs to be a co-located “administrative space”
 - Existing building?
 - TPO funded people
 - Network Engineer
 - TMC Manager
 - Signal Technician Engineer
 - Different phases to bring different levels
 - Perhaps a TMC “cloud” that everyone can access and then move to a co-located space and onto a full-blown TMC building.

Add a "Suggested" Implementation Plan

- Include this in the ITS Master Plan in order to sell the high costs
- Capital + O&M + Lifecycle = Need for the money
- Include staffing within this plan & the different levels
- See picture to the right

Action Item List

- Look at recommended technicians for lighting and signals maintenance
- Add a "suggested" implementation plan – to be included in Task 5
- Send hard copies of updated maps to Corrina Gumm (Brevard County) and Laura Carter (Space Coast TPO)



Suggested Implementation Plan initial notes