

# Anchorage Regional ITS Architecture Update

AMATS TAC Status Report, January 12, 2015



# Project Team



Municipality of Anchorage

Vivian Underwood

**PROJECT MANAGER**

Les Jacobson, P.E.

**TASK 2: PUBLIC INVOLVEMENT PLAN**

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*Task Lead*

All Staff with Parsons Brinckerhoff,  
unless otherwise noted.

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**TASK 3: REGIONAL ITS ARCHITECTURE**

Erin Ehlinger, P.E.

*Task Lead*

**TASK 3A**

**ARIA Update**

**Erin Ehlinger, P.E.**

Mary Chiu, E.I.T.

**TASK 3B**

**Use and Maintenance Guide**

**Daniel Krechmer<sup>1</sup>**

Robert Campbell<sup>1</sup>

Erin Ehlinger, P.E.

Mary Chiu, E.I.T.

**TASK 4: TOC CON OPS WORKSHOP**

Les Jacobson, P.E.

*Task Lead*

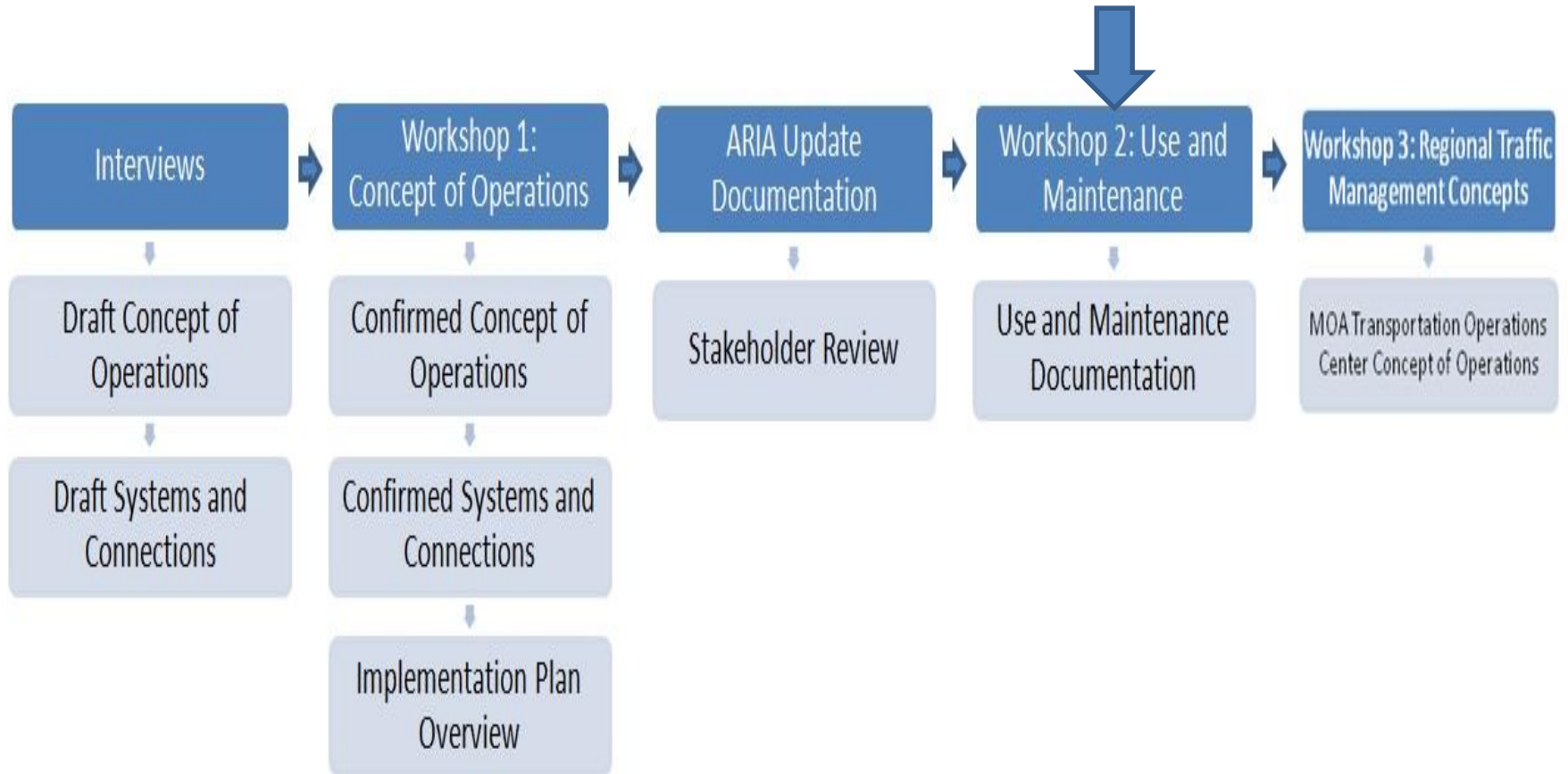
Erin Ehlinger, P.E.

Mary Chiu, E.I.T.

# Project Objectives

- Update Anchorage Regional ITS Architecture
  - Convert current architecture to Turbo
  - Create a user-friendly documents
- Follow update procedures from Anchorage Regional ITS Architecture Maintenance Plan (2003)
- Integrate with AMATS transportation planning process.
- Coordinate with AMATS Congestion Management Process update
- Public Involvement Plan and Stakeholder Communications Plan
- MOA Traffic Operations Center (TOC) Concept of Operations Exploration

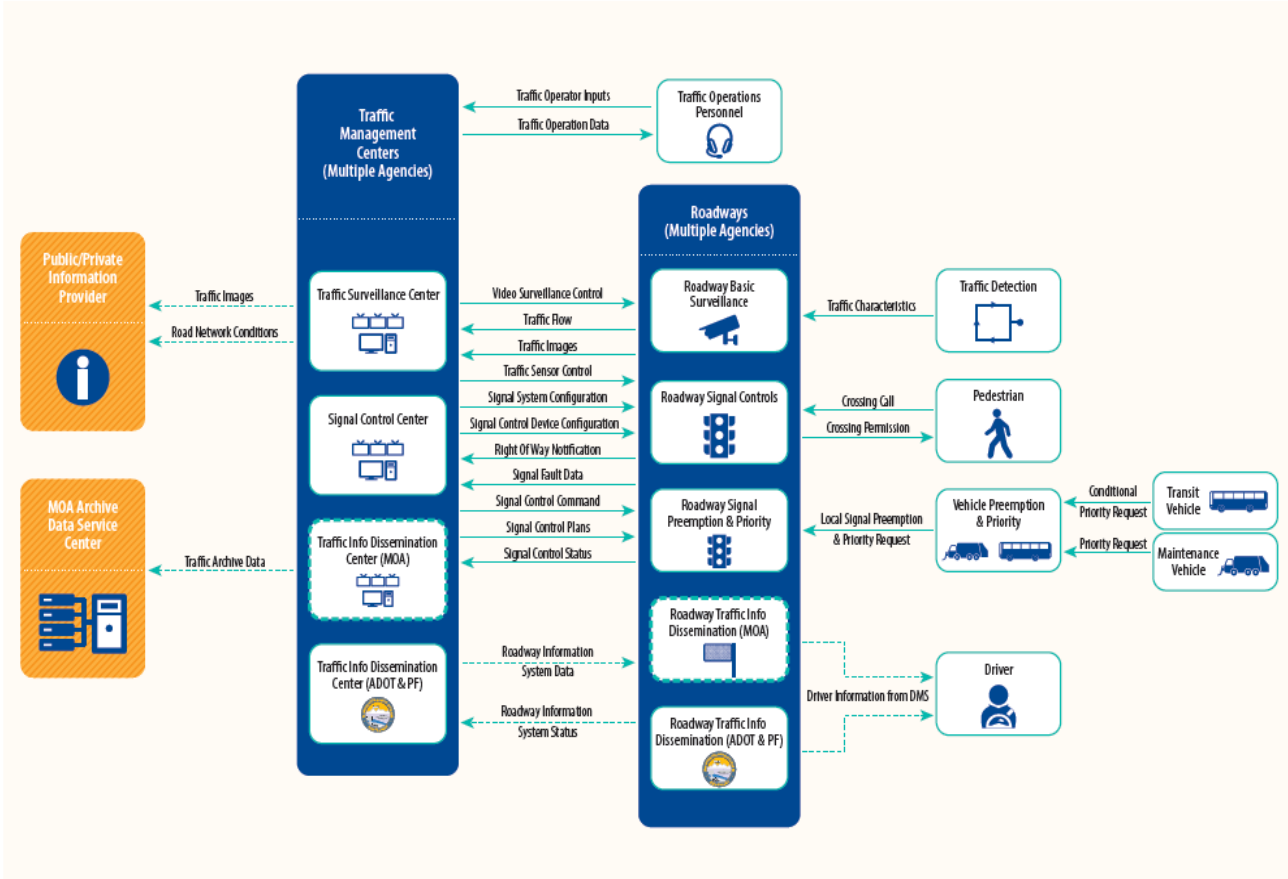
# Architecture Update Process



# Architecture Structure

- Based on National ITS Architecture
- Tailored to Anchorage
  - Combined some National Architecture service packages into “service areas”
  - Based on stakeholder input
- Combined multiple architecture related documents into one, simplified document
- Developed the architecture in Turbo Architecture

# Example Service Area



## ARTERIAL MANAGEMENT

JANUARY 2015

**LEGEND**

- Traffic Related Subsystem
- Subsystem from Another Service Area
- Existing Architecture Flow
- Planned Architecture Flow
- Existing Functional Area
- Planned Functional Area
- Terminators

**DRAFT**

# Architecture Use and Maintenance

- Strategic Integration Memo
  - Ties architecture and Congestion Management Process together
- How to use the architecture
  - Planning
  - Program development
  - Project development
  - Design
- How to maintain the architecture

# Next Steps

- Complete Use and Maintenance draft
- Revise architecture document based on stakeholder comments
- Finalize Use and Maintenance document
- Conduct workshop on transportation operations center – April 8
- Develop outreach materials
- Complete project in early summer



# Thank You!

Les Jacobson

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