New York City Sub-regional ITS Architecture 2018 Update

NYMTC Presentation

January 30, 2019
New York City Sub-regional ITS Architecture (NYCSRA) - Origins

• Conforms with FHWA Rule 940/FTA Policy on Regional ITS Architectures

• First created in 2005, updated in 2013
  • Four Partner Agencies: New York State Department of Transportation, New York City Department of Transportation, Port Authority of New York and New Jersey, and Metropolitan Transportation Authority

• 2018 update
  • Current and planned ITS projects within New York City
  • Latest version of the National ITS Architecture (now called Architecture Reference for Cooperative and Intelligent Transportation (ARC-IT) version 8.2.
NYCSRA 2018 Update – Project Tasks

1. Project Plan and Kickoff Meeting (May 11, 2018)
2. Update April 2013 NYCSRA to ARC-IT V8.1
3. Conduct Key Stakeholder Area Meetings/Interviews
   - NYCDOT
   - PANYNJ
   - MTA Headquarters
   - MTA Bridges & Tunnels
   - NYMTC
   - NYSDOT
4. Finalize NYCSRA to Draft (November 20, 2018)
5. Update NYCSRA to Final (December 21, 2018)
NYCSRA 2018 Update – Project Website

• NYCSRA 2018 update hosted on: NYMTC web site
  • https://www.nymtc.org/Regional-Planning-Activities/Mobility-and-Safety-Planning/TSMAO
  • And go to the Key Link area and click on “New York Sub-regional ITS Architecture”
NYCSRA 2018 Update – Project Website

- Projects Link
  - Contains listing of existing and planned ITS projects
  - Can be sorted by Stakeholder
  - Only ITS projects with regional impacts for PANYNJ and MTA Bridges & Tunnels
NYCSRA 2018 Update – Project Website

• Planning Link
  • Added support (links) for the NYMTC Plan 2045 – Regional Transportation Plan
  • Links between RTP Goals and Actions with ITS Projects and Service Packages
Using the ITS Architecture Workshop

• February 5, 2019, 9:30 AM – 12:30 PM, NYMTC Offices
  • Module 1 – Introductions
  • Module 2 – Overview of FHWA Rule 940 and FTA Policy on Systems Engineering Analysis
  • Module 3 - Overview and Examples of Key Elements of a Project Systems Engineering Analysis Report
  • Module 4 - Case Study New York City Transit Signal Priority (TSP)
  • Module 5 – Discussion on Emerging Initiatives Using ITS Architectures (Regional Planning Documents, Performance-based Management, and TSM&O)