

AEGIST Santa Fe Meeting Agenda (DRAFT)

August 23rd – 24th, 2022

DAY 1: AUGUST 23rd, 2022

- **Session 1: 8:30 AM – 12 PM - Routes, Centerlines, Junctions (Nodes) & Road Segments (Edges) Modeling**

Goal: Establishing content that needs to be in AEGIST Guidebook v2 – “Chapter 2: Routes, Centerlines, Junctions (Nodes) and Edges”

- o AEGIST Scope, Goals and Objectives
- o AEGIST Santa Fe Meeting Goals, Objectives and Discussion Topics
- o State, Local (NG911) & Other Road Centerlines/Routes Data Integration Policies, Rules and Approaches
- o Business z z zz z zz z z z z zzzzzzzz z-Use Cases for Integrating State and Local Roads Data Integration
- o Address Referencing using ARNOLD and/or NG911 Road Centerlines

- **Session 2: 1:30 PM – 5:00 PM - Intersection Information Modeling**

Goal: Discuss content that will be in AEGIST Guidebook v2 – “*Chapter 3: Intersection Modeling*”

- o Model Inventory of Roadway Elements (MIRE) & Highway Performance Monitoring System data collection scope, extent and approaches
- o Intersection Modeling Standards: FARS, NHTSA, CityGML, GDF, etc.
- o Developing Intersection (point and polygon) data model based on MIRE, topology and routable network requirements
- o Developing MIRE Road Segments and Routable Network Links data model. Integrating and aligning MIRE and Routable Network links with NG911 Road Centerlines
- o Establishing content that needs to be in AEGIST Guidebook v2 – “*Chapter 3: Intersection Modeling*”

DAY 2: AUGUST 24th, 2022

- **Session 3: 8:30 AM – 12 PM – Enterprise Geospatial Information Systems: Scope and Vision**

Goal: Discuss content that will be in AEGIST Guidebook v2 – “*Chapter 1: Enterprise Geospatial Information Systems: Scope and Vision*”

- o Defining Scope and Vision for Geospatial Information Systems (GIS) at Transportation Agencies
- o Brainstorming 5-Year Roadmap for managing GIS – Data, Applications, Policies, Processes
- o Building Information Modeling (BIM) for Road Network Data Model
- o Data Governance for Road Network Data Model
- o Business Stakeholders and Use Cases to be supported by Road Network Data Model
 - Project Planning and Programming with Equity considerations
 - Asset Management & Information Modeling: Referencing Asset Inventory, Condition Surveys, Maintenance Work Orders
 - Construction Management: Work zone queue tracking (mobility), safety
 - Travel demand Modeling, Freight Network Modeling and Routing

- **Session 4: 1:30 PM – 5:00 PM - Multimodal Road Network, Asset and Project Information Modeling**

Goal: Discuss content that will be in AEGIST Guidebook v2 – “Chapter 4: Multimodal Road Network Information Modeling”, “Chapter 5: Asset Information Modeling” and “Chapter 6: Project Information Modeling”

- o Bicycle, Pedestrian Route Networks Modeling Use Cases, Data and Standards
 - Complete streets for safety
 - Incorporating equity in project planning,
- o Asset Information Modeling – Data and Standards, Data Quality, Data Integrations and Data Sharing
- o Project Information Modeling - Data and Standards, Data Quality, Data Integrations and Data Sharing