

Transportation Committee

For the Metropolitan Council meeting of April 10, 2019

Subject: Statewide Regional ITS Architecture

Proposed Action

That the Metropolitan Council adopt the updated Minnesota Statewide Regional ITS Architecture as the Regional ITS Architecture by enacting Resolution 2019-3.

Summary of Committee Discussion/Questions

Metropolitan Transportation Services Director Nick Thompson presented this item.

There were no questions or comments from Council Members.

Motion by Sterner, seconded by Fredson. Motion carried, **consent to Council.**

Transportation Committee

Meeting date: March 25, 2019

For the Metropolitan Council meeting of April 10, 2019

Subject: Statewide Regional ITS Architecture

District(s), Member(s): All

Policy/Legal Reference: Map 21, FAST Act

Staff Prepared/Presented: Amy Vennewitz, Deputy Director, Finance & Planning (651-602-1508)

David Burns, Senior Highway Planner (651-602-1887)

Division/Department: Transportation/Metropolitan Transportation Services (MTS)

Proposed Action

That the Metropolitan Council adopt the updated Minnesota Statewide Regional ITS Architecture as the Regional ITS Architecture by enacting Resolution 2019-3.

Background

Intelligent Transportation Systems (ITS) include electronics, communications, or information processing used singly or in combination to improve the operations, efficiency or safety of a surface transportation system. ITS Architecture provides a framework for planning, defining and integrating ITS across the regional road and transit networks. ITS Architecture describes and defines how participating agencies, stakeholders and systems will interact and operate ITS within the state and region. MnDOT has partnered with FHWA to ensure consistency between the systems, which are managed by MnDOT, Metro Transit, counties, and other entities. A successful ITS architecture supports regional goals, maximizes integration of projects identified by the planning process, and supports maintenance efforts over time.

Rationale

Adoption of a regional ITS architecture is a requirement under federal planning law. The Metropolitan Council has previously adopted the Minnesota Statewide Regional ITS Architecture produced by MnDOT. MnDOT has updated the Architecture and is requesting that all Minnesota MPOs adopt the updated Minnesota Statewide ITS Architecture for planning and project implementation purposes. Adoption will be considered complete when the attached resolution is enacted.

Thrive Lens Analysis

While the adoption of the Statewide Regional ITS Architecture could impact all five Thrive outcomes, the Prosperity and Livability outcomes are the two most directly affected by the Architecture. ITS strategies enhance the prosperity of the region by ensuring that appropriate technologies are in place to enhance the efficient movement of people and freight across the region. ITS strategies also positively impact the quality of life of residents of the region by optimizing the operation of the transportation system and allowing individuals to more efficiently access destinations.

Funding

No implications to funding.

Known Support / Opposition

No known opposition.

METROPOLITAN COUNCIL

390 Robert Street North, St. Paul, Minnesota 55101-1805

RESOLUTION NO. 2019-3

RESOLUTION TO ADOPT THE STATEWIDE REGIONAL ITS ARCHITECTURE

- WHEREAS, the U.S. Department of Transportation has adopted national intelligent transportation systems (ITS) architecture which specifies the proper relationships, such as informal exchanges, among the components of all ITS projects implemented (in whole or in part) with federal funds; and
- WHEREAS, the development of a Regional Intelligent Transportation Systems (ITS) Architecture has been mandated in national transportation legislation in an effort to integrate technological solutions into the transportation network to alleviate congestion and improve safety and efficiency; and
- WHEREAS, the Minnesota Department of Transportation has updated the Minnesota Statewide Regional ITS Architecture to address changes statewide related to ITS Systems, Stakeholders, Interconnections, Service Packages, and Project Inventory, and in conformance with the National ITS Architecture and Standards in accordance with 23 CFR 940 (FHWA Final Rule 940); and
- WHEREAS, the FHWA Final Rule 940 (“Intelligent Transportation System Architecture and Standards”) and Federal Transit Administration’s “National Architecture Policy on Transit Projects” require each metropolitan planning organization (MPO) to adopt a regional ITS architecture that is consistent with its Long-Range Plan; and
- WHEREAS, ITS projects in an MPO area must be consistent with a Regional ITS Architecture to be eligible to receive federal funds for implementation; and
- WHEREAS, the Metropolitan Council recognizes the Minnesota Statewide Regional ITS Architecture as the regional architecture that shall identify and guide all ITS improvements statewide and within its metropolitan transportation planning area;

NOW, THEREFORE, BE IT RESOLVED:

1. THAT the Metropolitan Council hereby adopts the updated Minnesota Statewide Regional ITS Architecture, and any subsequent minor updates incorporated, as the Regional ITS Architecture within its metropolitan transportation planning area.

Adopted this _____ day of _____, 2019.

Nora Slawik, Chair

Elizabeth Sund, Recording Secretary