

ACTION TRANSMITTAL – 2019-12

DATE: January 30, 2019
TO: Technical Advisory Committee
FROM: TAC Planning
PREPARED BY: David Burns, Senior Highway Planner 651-602-1887
SUBJECT: Intelligent Transportation Systems (ITS) Architecture
REQUESTED ACTION: MnDOT requests adoption of the statewide ITS architecture through the attached resolution.
RECOMMENDED MOTION: That TAC Planning recommend to TAC the adoption of the statewide ITS architecture through the attached resolution.

BACKGROUND AND PURPOSE OF ACTION: 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, is both an ongoing and iterative process, and supports maintenance efforts over time.

RELATIONSHIP TO REGIONAL POLICY: ITS architecture is a requirement under federal planning law. MnDOT is requesting that all Minnesota MPOs adopt the updated statewide ITS architecture for planning and project implementation purposes. Adoption will be considered complete when the attached resolution is enacted.

STAFF ANALYSIS: MnDOT and Council staff, including representatives from the Council's Information Services department and Metro Transit, met to discuss and determine existing ITS policies, procedures, and needs. The group also identified projects within the current TIP and Council's capital improvement program that would include ITS elements and adhere to the identified ITS Architecture standards.

COMMITTEE COMMENTS AND ACTION: TAC Planning approved the motion as written.

ROUTING

TO	ACTION REQUESTED	DATE COMPLETED
TAC Planning	Review & Recommend	1-10-19
Technical Advisory Committee	Review & Recommend	
Transportation Advisory Board	Review & Recommend	
Transportation Committee	Review & Recommend	
Metropolitan Council	Review & Adopt	

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

RESOLUTION NO. 2019-xx

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 or recognize a regional ITS architecture that is consistent with its Long-Range Transportation 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 recognizes the Updated Minnesota Department of Transportation’s Statewide Regional ITS Architecture and any subsequent minor updates will be incorporated as the regional ITS architecture that shall identify and guide all ITS improvements within its metropolitan transportation planning area.

Adopted this _____ day of _____, 2019.

Nora Slawik, Chair

Emily Getty, Recording Secretary