

ACTION TRANSMITTAL – 2016-27

DATE: March 3, 2016
TO: Technical Advisory Committee
FROM: TAC Planning
PREPARED BY: Katie White, Senior Planner 651-602-1716
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: ITS architecture refers to the signals, systems, and networks that control and monitor travel movement across our road and transit networks. ITS architecture should describe the region, boundaries, participating agencies, and stakeholders. It defines how agencies, modes, and systems will interact and operate, and provides framework for planning, defining, and integrating ITS systems. 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.

ITS architecture is required by federal planning law and guidance. MnDOT is requesting that all Minnesota MPOs adopt the statewide ITS architecture for planning purposes. Adoption will be considered complete when the attached resolution is adopted.

RELATIONSHIP TO REGIONAL POLICY: The Technical Advisory Committee, Transportation Advisory Board, and Metropolitan Council comprise the MPO for the Twin Cities metropolitan area.

STAFF ANALYSIS: MTS staff met with representatives from the Council's Information Security department and Metro Transit to determine existing ITS policies, procedures, and needs. The group also discussed what impact this agreement would have on operations, such as altering monitoring or documentation needs. The decision of the group was that adopting this policy would not result in any meaningful changes for how the MPO and Metro Transit operate various ITS systems. However further work will be undertaken by the Information Security department and Metro Transit to ensure proper documentation and coordination with MnDOT as new systems come on line (such as the A Line and Blue and Green Line Extensions). Council staff agreed to coordinate with MnDOT to identify gaps in the architecture.

COMMITTEE COMMENTS AND ACTION: TAC Planning recommended approval of the resolution and asked for more information from FHWA for the TAC meeting.

ROUTING

TO	ACTION REQUESTED	DATE COMPLETED
TAC Planning	Review & Recommend	3-10-16
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. 2014-34

RESOLUTION RECOGNIZING THE MINNESOTA DEPARTMENT OF TRANSPORTATION
STATEWIDE ITS ARCHIECTURE

Whereas, the US Department of Transportation has an adopted national intelligent transportation systems (ITS) architecture which specifies the proper relationships, such as information 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 relating 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 a metropolitan transportation planning 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:

THAT the Metropolitan Council hereby recognizes the Updated Minnesota Department of Transportation's Statewide Regional ITS Architecture and any subsequent updates as the regional architecture that shall govern all ITS improvements within its metropolitan transportation planning area.

Adopted this _____ day of _____, 2016.

Adam Duininck, Chair

Emily Getty, Recording Secretary