

Appendix E

2014 Minor Architecture Update

The purpose of this appendix is to inform the Eastgate Regional Council of Governments member jurisdictions about changes to the Eastgate Regional ITS Architecture, as well as an ODOT-led effort to streamline ITS project planning and development.

The Ohio Department of Transportation contacted Eastgate staff (and staff of other metropolitan planning organizations in Ohio) in summer 2013 requesting participation in a development process for streamlined approval of certain “off-the-shelf” systems that are deployed as ITS elements of projects across the state. The seven types of projects selected for this new approval process are all common systems that typically use commercially-available software that is designed to meet the federal standards for functionality established in the National ITS Architecture. Given the nature of these systems, ODOT has determined that individual systems engineering reviews of these projects is unnecessary, provided the project intends to use the systems as designed without additional programming or functionality. In essence, since these systems are designed to meet all the specifications from the National ITS Architecture, there is no need for an additional review of the systems engineering for these elements.

The seven project types (with ITS Service/Market package numbers) are:

1. Closed Loop Signal System (ATMS03)
2. Central Signal System (ATMS03)
3. Highway/Rail Signal Preemption (ATMS14)
4. Signal Systems with Emergency Preemption (APTS09)
5. Signal Systems with Transit Priority (APTS09)
6. Ramp Meters (ATMS04)
7. Adaptive Traffic Signal Control (ATMS03)

ODOT completed stakeholder meetings about the streamlined approval process in September 2013 and asked each of the metropolitan planning organizations with regional ITS architectures to update the regional architecture to reflect each of these transportation systems. It was determined that the Eastgate Regional ITS Architecture needed two additional systems added: Signal Systems with Transit Priority (ATMS09) and Freeway Control (ATMS04). The other systems subject to the streamlined review process were already included in the Eastgate Regional ITS Architecture.

Staff determined after a review of the Regional ITS Architecture that the addition of these two additional system types constituted a minor update to the ITS architecture, and did not warrant an extensive process.

With the inclusion of these systems in the regional ITS architecture, projects within the Eastgate planning area may include these ITS elements and utilize the streamlined review and approval process developed by ODOT.

In addition to the above changes, the list of ITS Projects for the region was reviewed, and it was determined that the *City of Newton Falls Traffic Signal Upgrade* was completed, and thus that project architecture was removed.