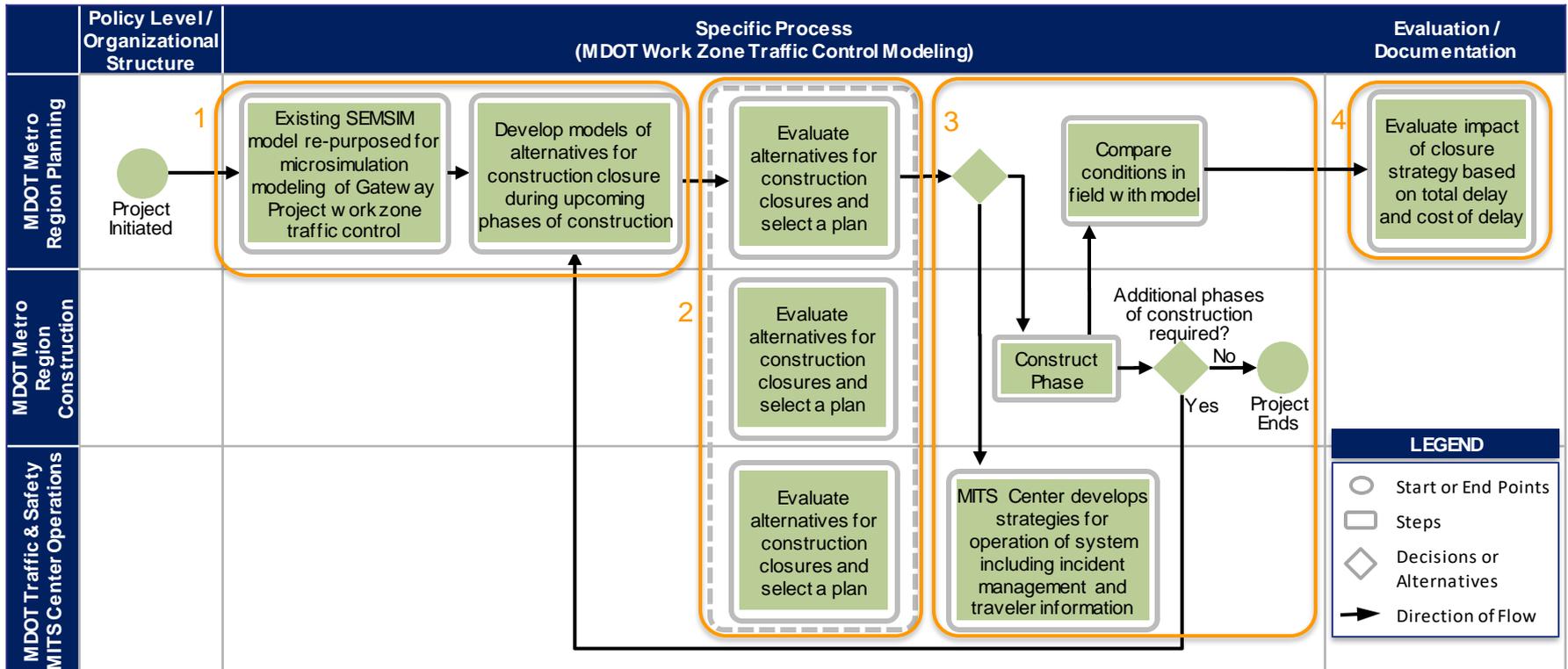


Improving Business Processes for More Effective TSMO

Example Business Process Diagram: Michigan DOT (MDOT) Work Zone Traffic Control Modeling*

Overview

- (1) A new construction project is initiated and MDOT Metro Region Planning uses a microsimulation model (SEMSIM) to estimate impacts of construction closure alternatives.
- (2) The MDOT Metro Region Planning, Metro Region Construction, and MITS Center Operations all evaluate the alternatives and select a construction closure plan.
- (3) As construction begins, the MITS Center employs incident management and traveler information strategies and MDOT Metro Region Planning compares actual versus estimated conditions. The process repeats for additional construction phases that remain.
- (4) During and after the project, MDOT Metro Region Planning evaluates the impacts of the closure strategy used in each construction phase.



*Source: E-tool for Business Processes to Improve Travel Time Reliability, Final Report, 2014. www.fhwa.dot.gov/goshrp2/Content/Documents/Factsheets/SHRP2_I34_Final_Report1401.pdf