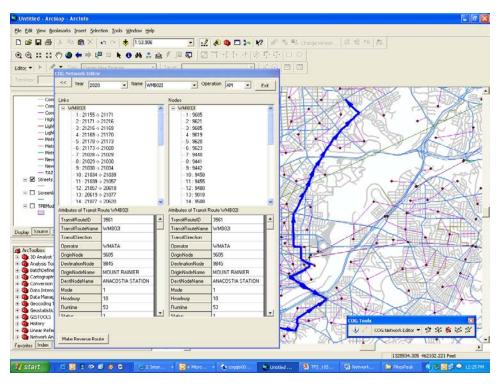
# TPB database for network development: Status report



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# Project Objective:

ArcGIS-based geodatabase and editing application for highway and transit network development and management

#### Today's Status Report

- Where we have been
- Where we are
- Where we are going



#### Where we have been

#### TPB Master Network conflation

- NAVTEQ data used to adjust master network links and nodes
- Conflated links and nodes attributes merged with TPBMAN geodatabase to preserve the database relationships
- Rail links were also added to the geodatabase



#### Where we are

- Refine editing application and update geodatabase (GBD):
- Refinements implemented by TPB's consultant
- Geodatabase populated with highway and transit projects contained in the 2009 CLRP and FY2010-2015 TIP
- Suggested updates submitted by TPB staff, local and state agencies, and consultants incorporated
- GBD-based networks generated and reviewed for 2002, 2007, 2009, 2010, 2020, and 2030



#### Where we are, continued

New 3722 area system networks

- Centroid connectors and supporting roadways created for jurisdictions in COG/TPB modeled area
- NAVTEQ streets and Google Earth used to assist in location of new features
- Maps under review and will be used as a guide for input into the geodatabase



# Where we are going

Master network node renumbering

- Increase number of nodes in each jurisdiction to accommodate TAZ3722 area system
- Adjust node ranges in all datasets in geodatabase
- Create new node range look-up table



# Where we are going, continued

- Enhancement of the TPB Master Network
  - Adding, modifying and removing zone centroid connectors to facilitate new 3722 area system
  - Enhancing the network by adding additional facilities
     & correcting 'short cuts' of the past
  - Electronic copies will be made available for review by interested agencies in January 2010



### Next steps

 Continue enhancement of highway and transit networks; focus on the base year (2007) network

 Deploy application to a multi-user environment to support Version 2.3 model development

Provide maps for local review in January 2010



#### A brief preview of the future...

- Ongoing support for TPBMAN and COGTools
  - Investment in the continued success of the project
  - Application has been utilized to improve network coding
  - Areas of improvement have been identified and prioritized by network coding and GIS staff
- Opportunities for project extension
  - Arrange a maintenance agreement with TPB's consultant to address application issues that may arise in the short-term
  - Longer-term: an additional project phase with tasks to extend application capabilities
    - Enhancements to editing environment (usability)
    - Enhancements to database design (capability)

