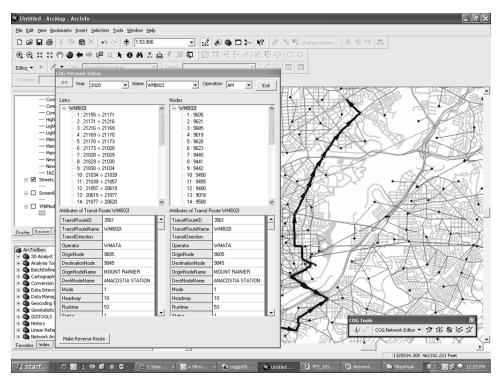
"TPBMAN"

TPB database for network development:

status report



Bobby Snead Charlene Howard, GISP COG/TPB



Presentation overview

- Brief background information
- Project status
- Ongoing project-related tasks & challenges
- Next steps



A brief background

- Multi-phase project to develop an application able to accomplish the following:
 - Edit and maintain both highway & transit networks
 - Support multiple concurrent users
 - Improve & streamline existing network development procedures
- Implement the ESRI geodatabase model for network datasets
- Incorporate the new TPB TAZ3722 zone system

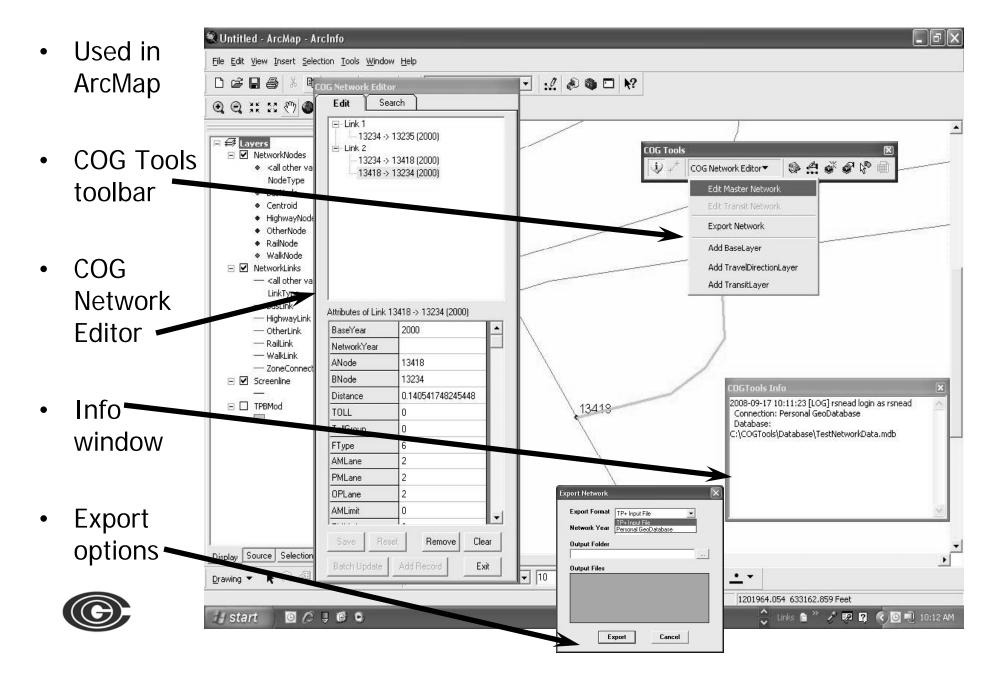


Project status

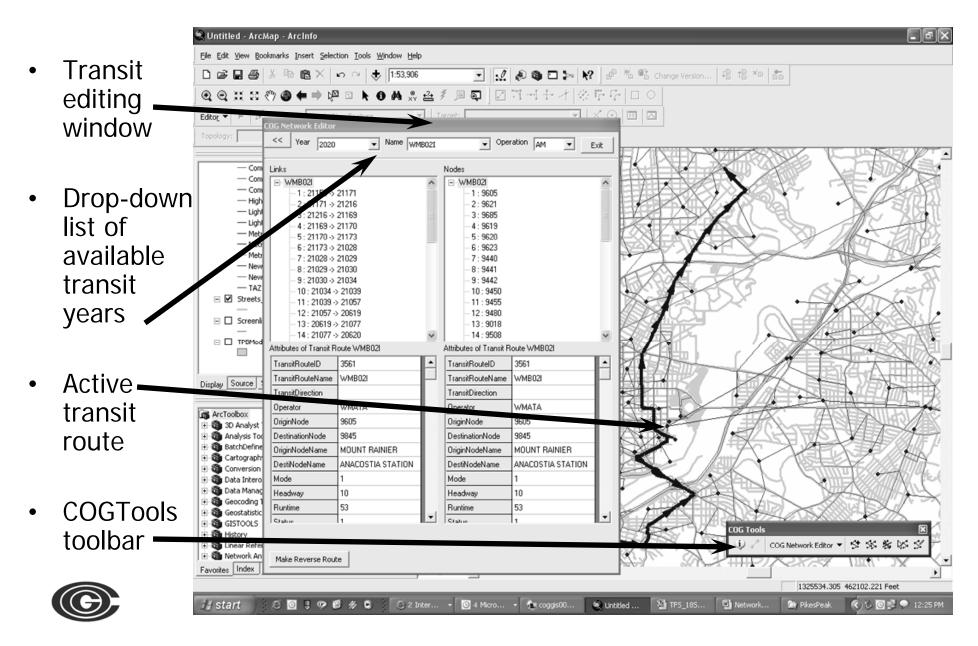
- Phase Two ended 30th June 2009
 - Geodatabase of TPB master network data
 - "COGTools" toolbar for network editing
 - Documentation- user guides, final report
- Although this phase has officially concluded, some on-going outstanding issues remain
 - Application testing/debugging
 - New tools and tables delivered to TPB as necessary



COG Tools toolbar & ArcGIS



COG Tools toolbar & ArcGIS, continued



Ongoing project-related tasks & challenges

- 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
 - Add additional transit links for each network year in geodatabase
- Update geodatabase with projects contained in the 2009 CLRP and FY2010-2015 TIP
- Master network node renumbering
 - Increase number of nodes in each jurisdiction to accommodate TAZ3722 area system
 - Adjust node ranges in all datasets in geodatabase



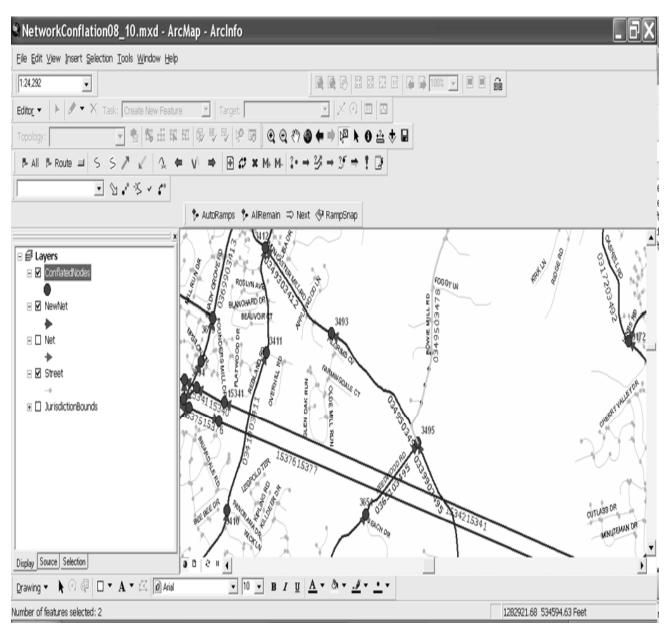
Create new node range look-up table

Ongoing project-related tasks & challenges, continued

- Migrate conflated, renumbered data to ArcSDE
 - Geodatabase resides on COG's SQL Server
 - Multi-user environment
 - Ability to create personal geodatabase from parent SDE geodatabase
- Enhancement of the TPB Master Network
 - Adding, modifying and removing zone centroid connectors
 - Enhancing the network by adding additional facilities & correcting 'short cuts' of the past

Ongoing project-related tasks & challenges,

continued



Enhancement of the TPB Master Network-conflation issues

- Previously software limitation prevented accurate coding of some facilities, and caused difficulties during conflation
- Result: overlapping links in some locations
- Links were flagged during conflation process so that those areas can be corrected at a later time

Next steps

- Continue to move forward with projectrelated tasks as defined
- Develop procedures to enhance Master Network data
 - Adding additional transit network years
 - Advanced network editing tasks
- Identify opportunities for improving & extending the current COGTools functionality

