

CATSO 2040 Long-Range Transportation Plan Update

Status Report

July 31, 2013

Staff Note – the first work activity listed below is related to the CATSO 2040 Long-Range Transportation Plan (LRTP) update as it improves the underlying Major Roadway Plan component of the LRTP.

Major Roadway Plan GIS Data:

Staff worked on extensive improvements to the Major Roadway Plan (MRP) GIS data. Topologies were created to accurately realign the MRP layer to match the most up to date Metro Area road layer. A considerable amount of manual realigning of MRP layer to road layer was done. Road names were standardized to improve labeling and selection capabilities. Road segments with the same attributes (road name, speed, etc.) were merged to streamline and simplify the data. All actions used methodology to enable easier maintenance of the MRP layer in the future.

CATSO 2040 LRTP Update:

Projections

Staff continued the work to develop population projections, financial projections, and demographic data for the update of the Long Range Transportation Plan (LRTP).

Public Input/Outreach

A key component of this stage of the process is public input and outreach for the LRTP update. A public participation plan and schedule was prepared. A stakeholder list was prepared identifying transportation stakeholders, with special care for the inclusion of groups providing transportation and those with unique transportation needs (such as the elderly, disabled, minorities and those with lower socio-economic status), and other groups which may have unique needs or perspectives. A website was created to describe the LRTP and planning process. Letters were sent to stakeholders to direct them to the website and an online survey. Print ads, Facebook ads, City and Neighborhood Association listservs and other social media and electronic means also promoted the online survey. This survey allows for public input on LRTP priorities, needs, goals and objectives. The second phase of public input (which will occur during the fourth quarter) will focus on the LRTP draft once priorities, needs, goals and objectives have been developed by the public.

Incorporation/Coordination with Other Area Plans

Staff worked to insure the LRTP update is developed in accordance with and incorporates other relevant plans developed through public participation processes, such as the Metro Area comprehensive plan Columbia Imagined, the Sidewalk Master Plan, the Coordinated Public Transit Human Services Transportation Plan, the MoDOT STIP, and the Transit Master Plan.

Existing/Future Roadway Corridor Review

Staff worked with the CATSO LRTP-Major Roadway Plan to identify existing and future arterial roadway corridors with development capacity for the UrbanSim model. The distance from both arterials and highways was calculated for more than 60,000 tax parcels in Boone County.

Land Use Update for 2040 Travel Demand Modeling

This involves research to identify and acquire data sources for updating the 2005 and 2030 travel demand model; a substantial portion of which involves development of a GIS-based system for spatially allocating forecast development by TAZ.

Work on populating the 100+ data fields is underway. Many of the fields require data that must be created using GIS processes; other fields will need data that will be contained in the Census Transportation Planning Package (CTPP).

Work on parcel land values continues using the Boone County Appraisal data as an initial source. A method for assigning market-based values for agricultural land and exempt properties was developed.

LRTP/UrbanSim Model: Staff continued attribution work for the UrbanSim model data tables. Tax parcels were attributed with percent of floodplain area, water coverage, and extent of stormwater buffer. The UrbanSim software will be utilized for Traffic Analysis Zone (TAZ) allocation of employees and population in the update of the CATSO Metro Area traffic model, which is scheduled to be completed in 2015 as part of a later 2040 Plan amendment/update.