

Memorandum

To: Metropolitan Planning Commission
From: Tarren Barrett, Transportation Engineer
Date: August 23, 2018
File #: 9-A-18-CP
Subject: Major Road Plan 2018 Update

Staff Recommendation:

Approve the 2018 Major Road Plan update.

Comments:

The Major Road Plan is used as a tool in the coordination and regulation of land use to ensure that as development occurs the public's investment in the roadway infrastructure is protected by preserving roadway facilities for their intended purpose. Authority has been granted to the Planning Commission through Tennessee Code Annotated (TCA) for the adoption of the Major Road Plan. The Knoxville-Knox County Subdivision Regulations ensure conformance of land subdivision and street design with adopted transportation plans and programs. The subdivision regulations state that "right-of-way widths for classified streets shall be provided in accordance with the requirements of the Major Road Plan. The minimum right-of-way widths for classified streets (both existing and proposed) are required by the Major Road Plan to accommodate future road, utility, sidewalk and bikeway improvements."

The Major Road Plan is updated periodically to account for changes to the road network such as new roadways that have been built, and to reflect current transportation plans and their identified projects. The previous Major Road Plan was adopted in 2011 and it served as the starting point for this update with the majority of roadway classifications and associated right-of-way dedication amounts being carried forward.

As part of the update for the Major Road Plan, staff consulted with City and County engineering to determine what changes were needed. All changes with the Major Road Plan are scheduled to be presented at the September Agenda Review meeting on Tuesday, September 11, 2018.

The major changes that were made to the roadway classifications with this update are summarized in Appendix D of the Major Road Plan document (see attached table with changes in red). The changes generally fall into one of the six categories below:

1. Added roadways to the "classified" roadway list. All public roadways in Knox County are given a classification of either Local, Collector, Arterial, Expressway or Interstate. Only the roadways classified as Collector or higher are individually

identified in the Major Road Plan with their designation and right-of-way dedication requirement and therefore any other roadway that is not called out is considered to have a Local designation. The roadways that were added to the Major Road Plan tables may have resulted either from a previously undesignated (Local) road or because the road was recently constructed or planned for construction.

2. Corrected minor inconsistencies or nomenclature. Some roadways in the 2011 Major Road Plan were incorrectly identified as “Road” versus “Drive” or misspelled so these errors were corrected as necessary.
3. Updated termini. There were several roadways where modifications were made to consolidate separate sections or clarify the terminus point of a roadway classification.
4. Changed classification of roadways. The following roads had classification updates:

ROAD	FROM	TO	
Amherst Road	Major Collector	Minor Arterial	1 section
Blackstock Avenue	Minor Collector	Major Collector	
Broome Road	Major Collector	Minor Collector	
Bruhin Road	Minor Arterial	Major Collector	1 section
Hardin Valley Road	Minor Arterial	Major Arterial	1 section
Piney Grove Church Road	Major Collector	Major Arterial	
	Minor Arterial	Major Collector	
Schaeffer Road	Minor Collector	Major Collector	
Thorn Grove Pike	Major Collector	Minor Arterial	
Valley View Drive	Minor Collector	Major Collector	1 section

5. Changed the right-of-way (ROW) dedication amounts. The following roads had ROW updates:

ROAD	FROM	TO	
Bradshaw Garden Drive/Road	50	60	
Broadway (N)	60	88	1 section
Bruhin Road	70	88	1 section
Campbell Station Road (N)	100 & 70	88	
Dante Road	112	88	
Dante School Road	112	88	
Emory Road (E&W)	112	100	1 section
Hardin Valley Road	60	70	1 section
Maryville Pike	60	70	1 section
Oak Ridge Highway	88	112	1 section
Parkside Drive	88	100	
Rifle Range Drive	112	88	1 section
Rutledge Pike	100 & 120	112	
Sevier Avenue	60	80	
Tazewell Pike	60	88	

ROAD	FROM	TO	
Thorn Grove Pike	60, 70 & 100	88	
Washington Pike	70	88	
Watt Road	100	112	

6. Removed or downgraded roadways. The following roads were removed from the Major Road Plan tables as either being determined to not warrant classification above Local or were previously planned road projects that are no longer proposed for implementation:

James White Parkway Extension
Jenkins Road
Murphy Road Extension
Old Tazewell Pike

Other notable changes with this update of the Major Road Plan include:

1. Additional detail provided in the text of the document on the purpose of the Major Road Plan and how it is used.
2. An appendix is provided with a listing of all major road projects in Knox County that have either been implemented within the last ten years, are funded and under development currently, or have been identified as future needs in the Knoxville Regional Transportation Planning Organization’s 2040 Mobility Plan.
3. Typical cross section graphics have been provided in an appendix to generally depict the roadway elements that comprise the necessary right-of-way amount that has been established for each classification of roadway.
4. The roadway classifications and associated right-of-way dedication amounts have been incorporated into a GIS layer within MPC Cases on KGIS to greatly improve the ease of determining this information. In previous versions of the Major Road Plan this information was only available in a tabular format where one had to find a particular roadway and determine the appropriate location based on the listed termini. This has previously led to cases of confusion especially where roadways intersect others with the same name in multiple locations, e.g. Ball Camp Pike at Western Avenue.