

# Major Road Plan Update 2018

KNOXVILLE-KNOX COUNTY METROPOLITAN PLANNING COMMISSION





# What is the Major Road Plan?



Coordinates and regulates land use as development occurs to ensure public's roadway investment is protected



Assigns right-of-way (ROW) based on road function, volume, planned road & multi-modal improvements

April 2017  
**MOBILITY  
PLAN 2040**  
CONNECTING  
PEOPLE  
AND  
PLACES

Consistent with goals and policies of Sector Plans, Knoxville Regional Mobility Plan 2040, Knoxville-Knox County General Plan and other plans



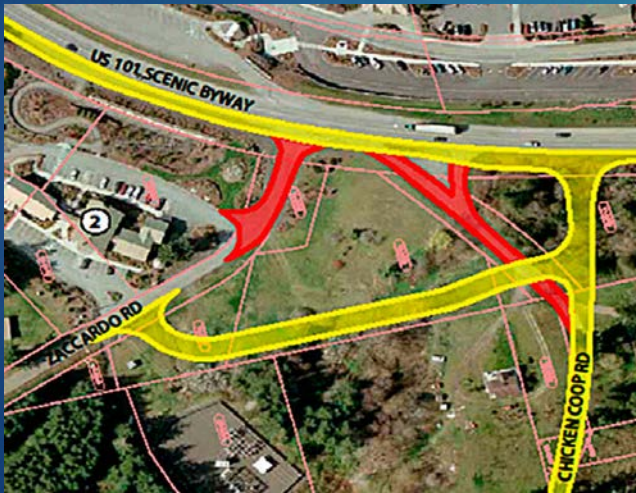
# What does the Major Road Plan NOT do?

Determine Alignment of a proposed road

Initiate survey, design or start construction of a road

Fund the roadway improvement

Set priorities or timeframes for projects



[www.peninsuladailynews.com](http://www.peninsuladailynews.com)  
'U.S. Hwy 101 intersections in Blyn to get realignment' (6/25/2017)

[vvinstruments.com](http://vvinstruments.com)  
"Road survey & construction" (9/4/2018)

[www.alltruckjobs.com](http://www.alltruckjobs.com)  
"Road funding" (9/4/2018)

[cognitive-psychiatry.com](http://cognitive-psychiatry.com)  
"Set priorities" (9/4/2018)



# Why is it important?

Tennessee Code Annotated (TCA) Sections 13-4-302 & 13-3-402

- Requires municipal and regional planning commissions to adopt a major road plan prior to exercising their subdivision authority

Knoxville-Knox County Subdivision Regulations

- References the plan to ensure conformance of land subdivision and street design with adopted transportation plans and programs.

Knoxville & Knox County zoning ordinances

- Certain land uses restrict access only from a collector or arterial roadway

# Where did we start?





# Right-of-Way (ROW) Preservation

- ▶ Knoxville-Knox County Subdivision Regulations
  - ▶ Section 3.04 (A)(3)(a): “ Any proposed subdivision of property that adjoins an existing street that will **result in the creation of additional lots**, shall be subject to right-of-way dedication in order to bring the right-of-way closer to compliance with the Major Road Plan.”
- ▶ As development occurs, the Major Road Plan gives the ability to preserve ROW for appropriately sized transportation facilities to serve the needs of the community at the time.



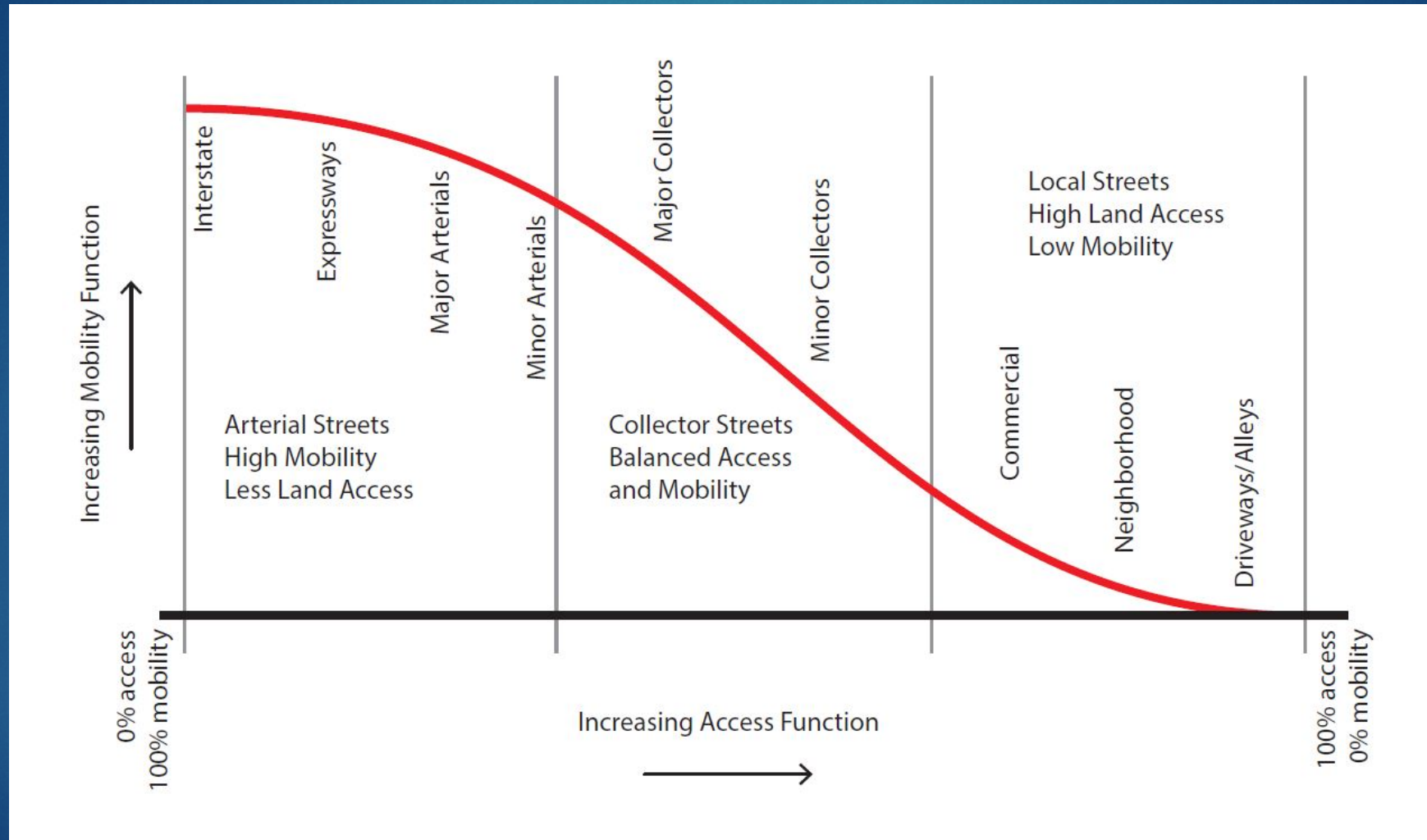
# Example of ROW used



View  
from  
Google  
Earth



# Roadway Functional Classification



Original chart from the April 2013 Draft Traffic Analysis Report for the State of Alaska DOT & Public Facilities (<http://brooks-alaska.com>)



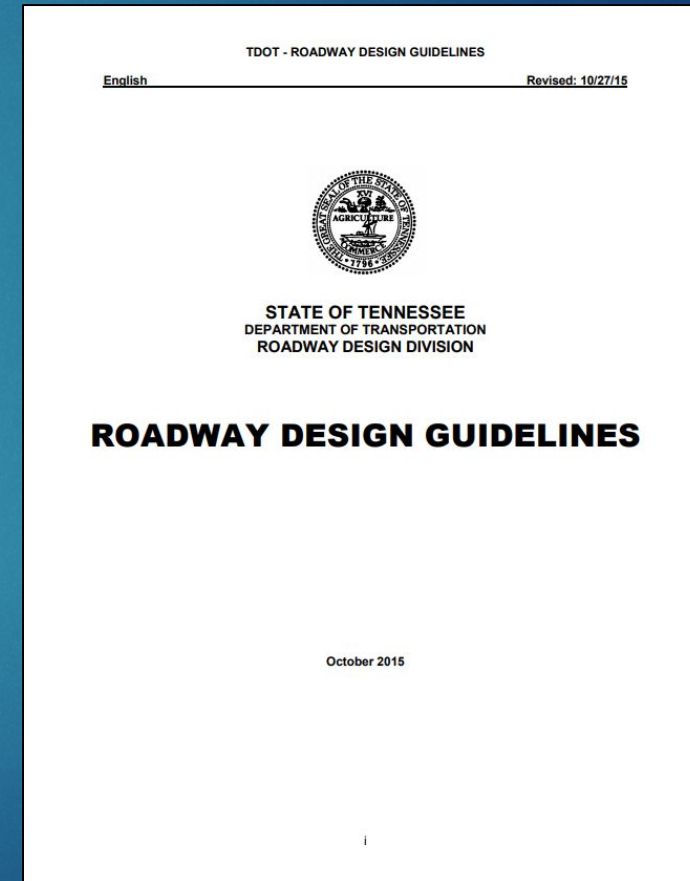
# Roadway Typical Cross Section Standards

**Minor Collector – 60 ft**

**Major Collector – 70 ft**

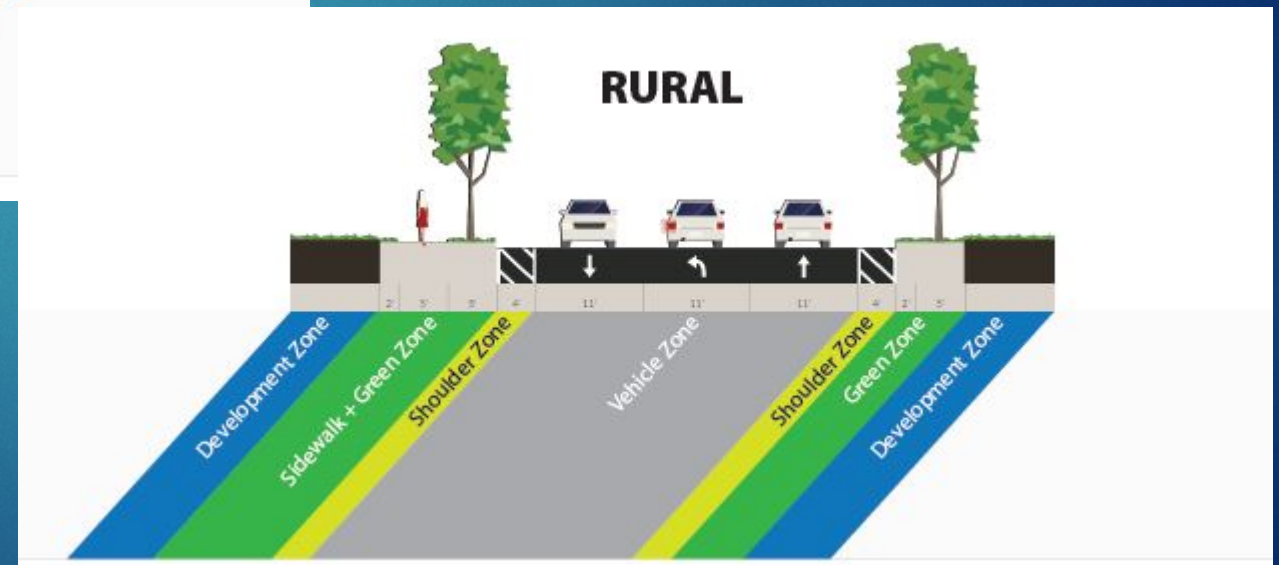
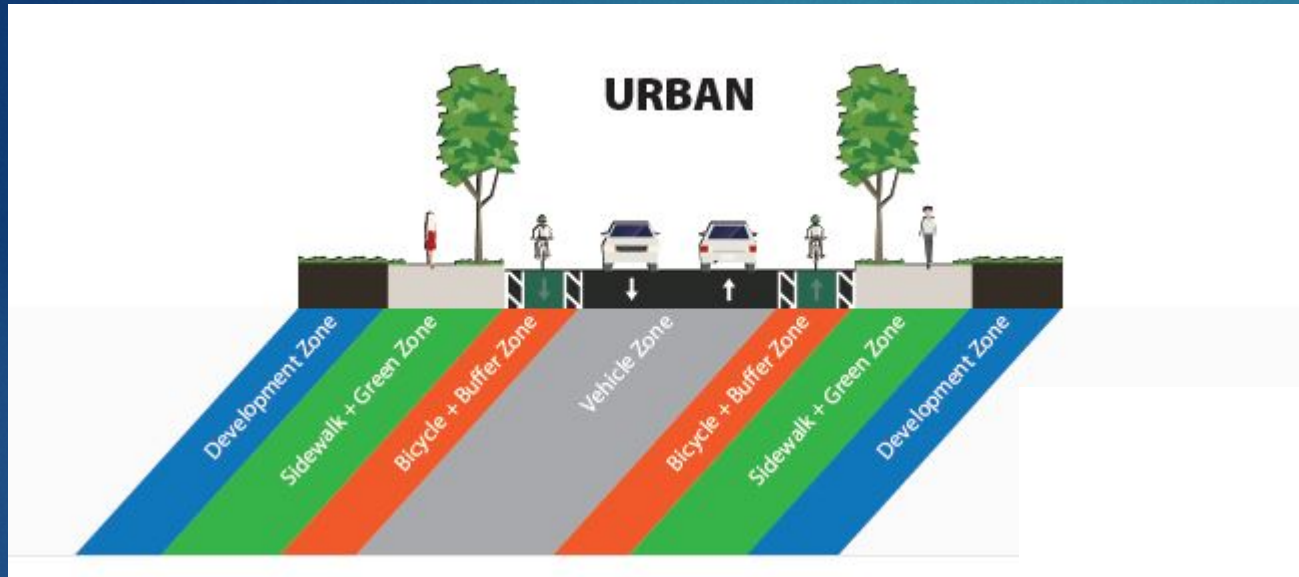
**Minor Arterial – 88 ft**

**Major Arterial – 112 ft**



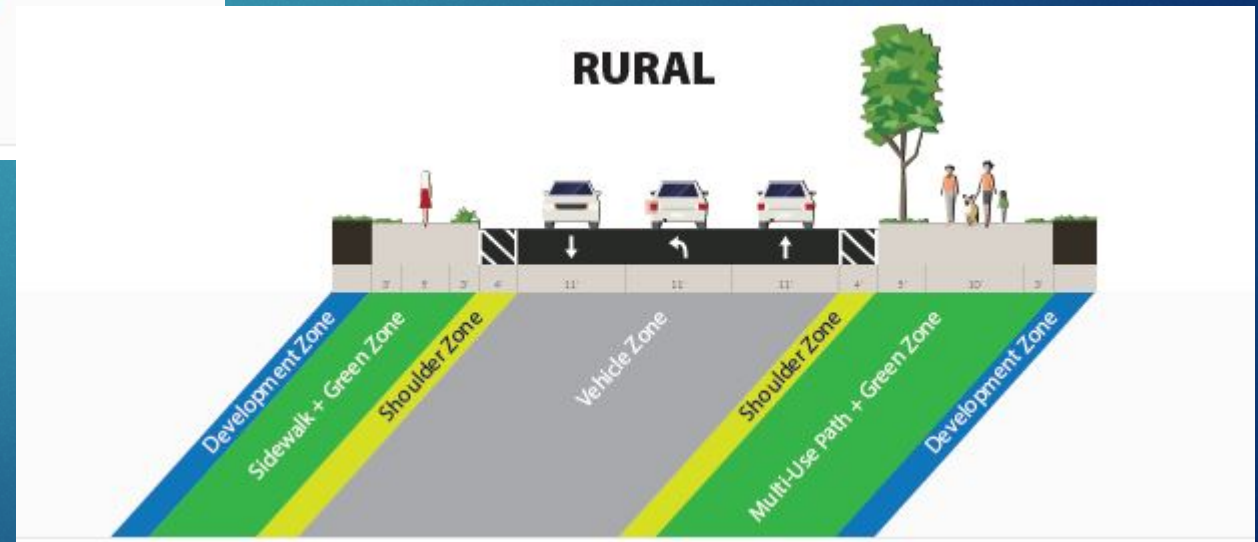
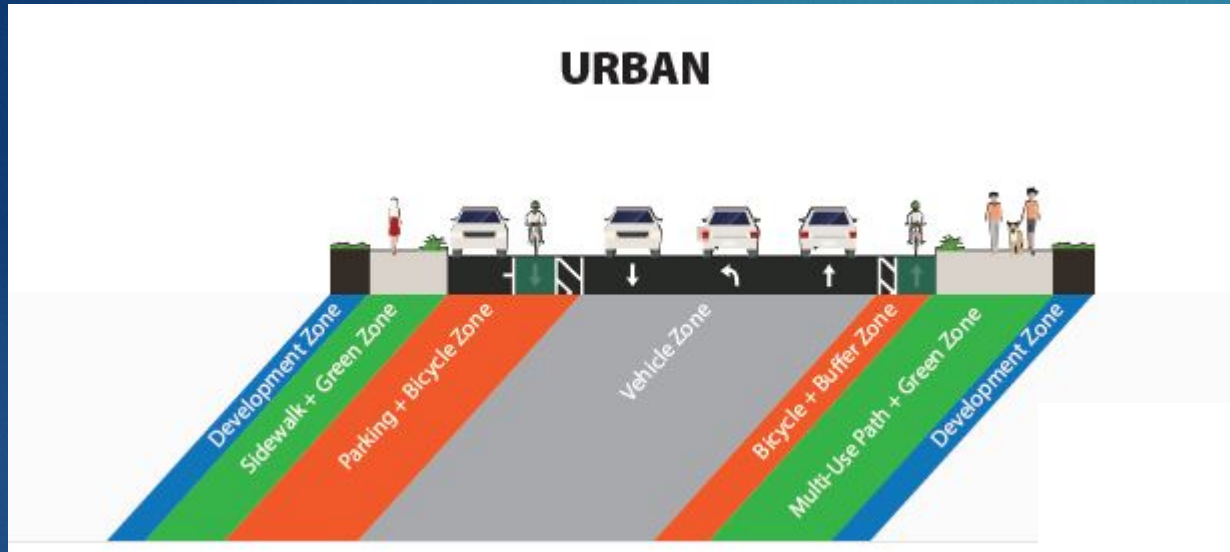


# Minor Collector (60 feet)



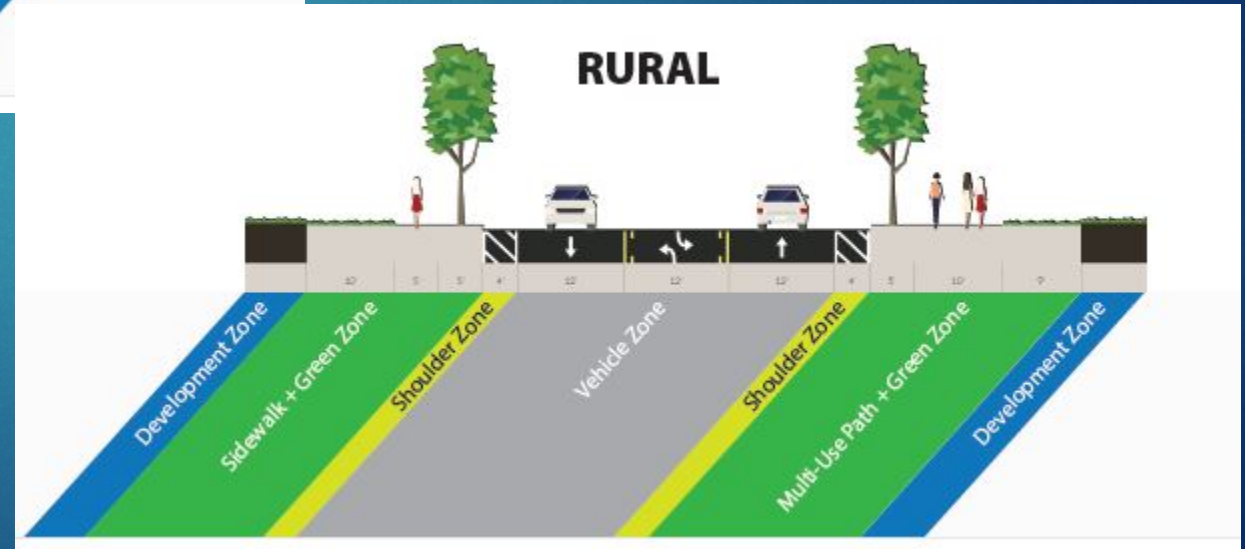
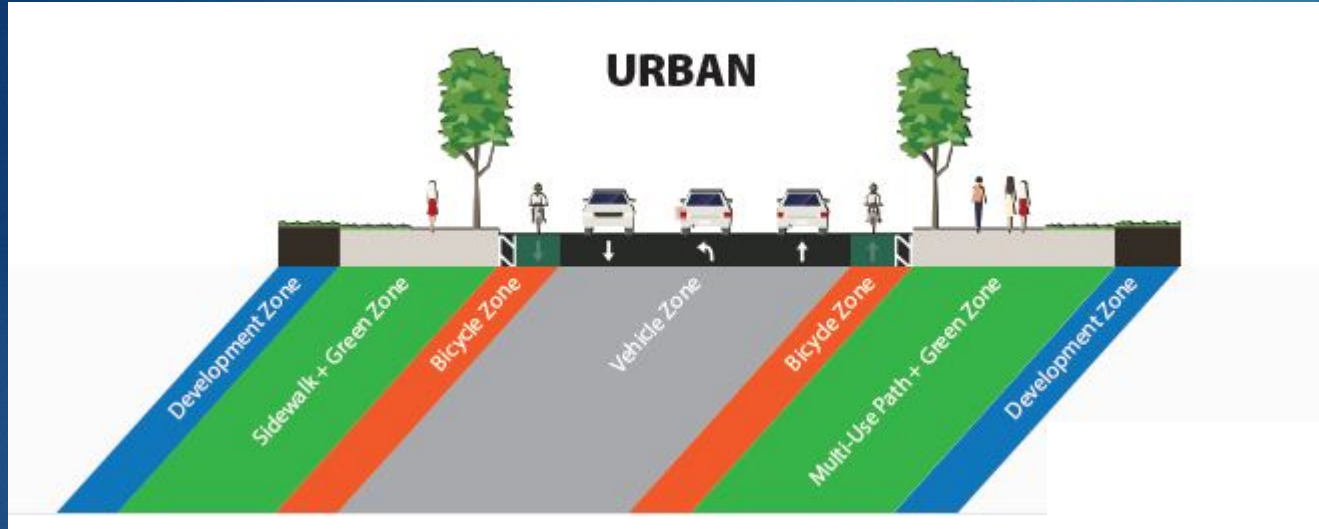


# Major Collector (70 feet)



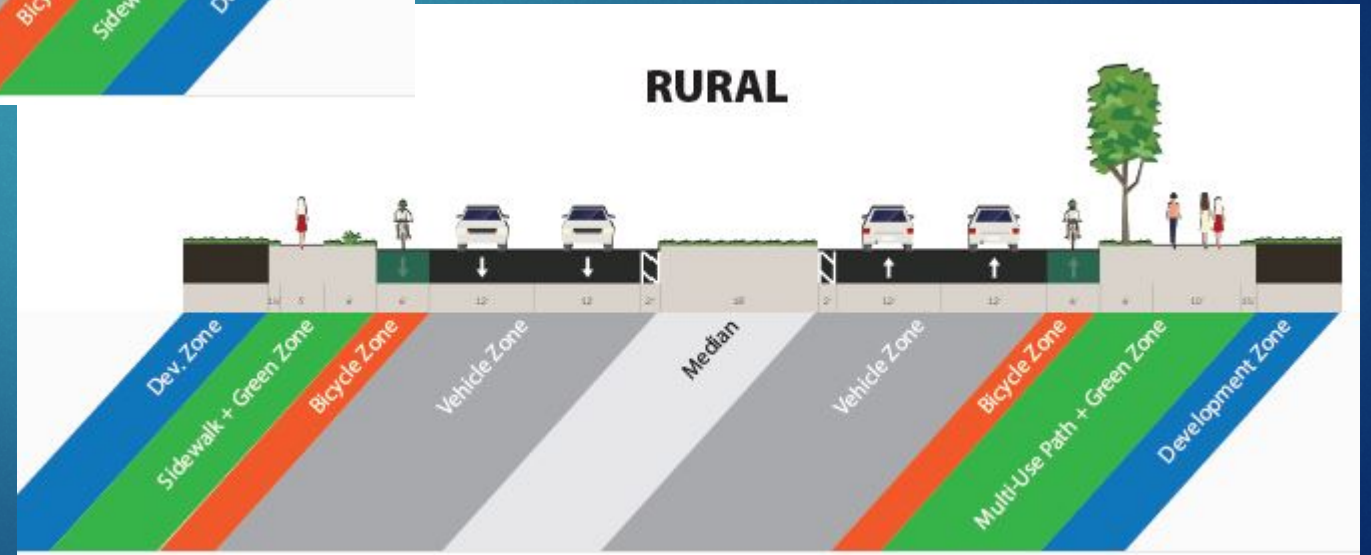
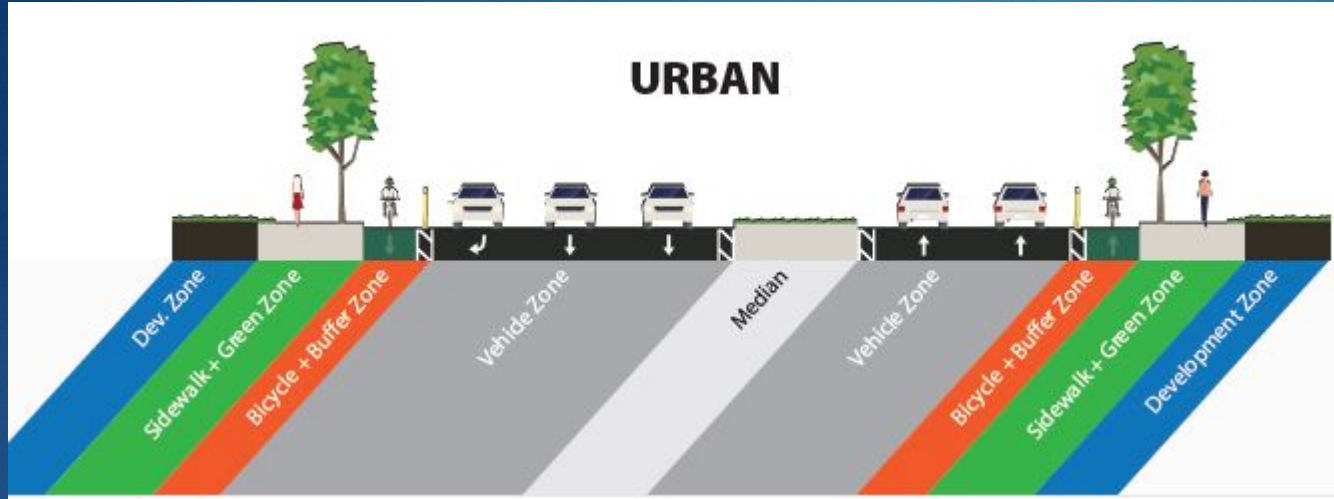


# Minor Arterial (88 feet)





# Major Arterial (112 feet)





# Summary of changes

134 total changes

ROW  
changes  
– 18 road  
sections

Termini  
changes  
– 65 road  
sections

Functional classification changes  
– 10 road sections

Addition  
of roads  
– 27 road  
sections

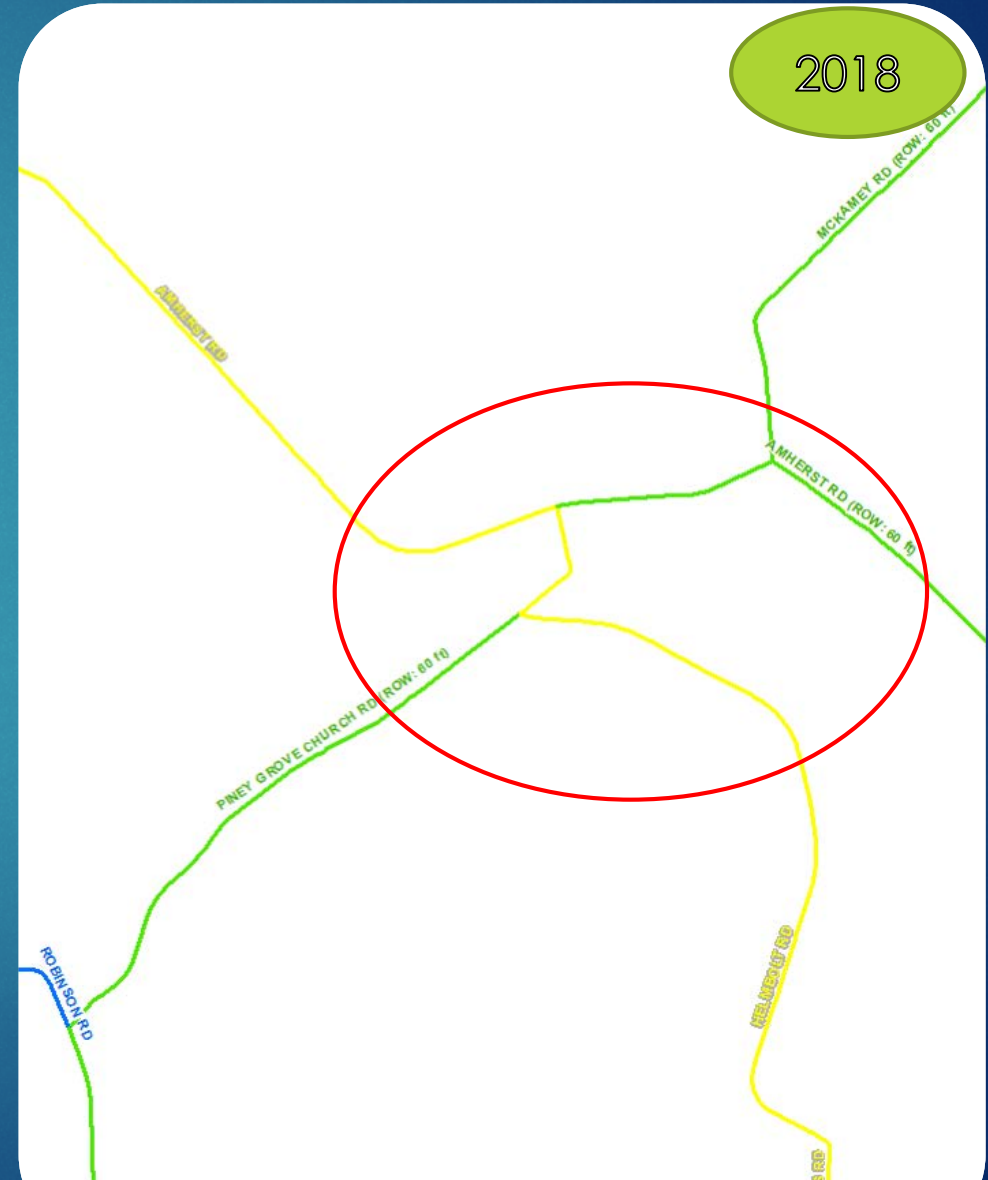
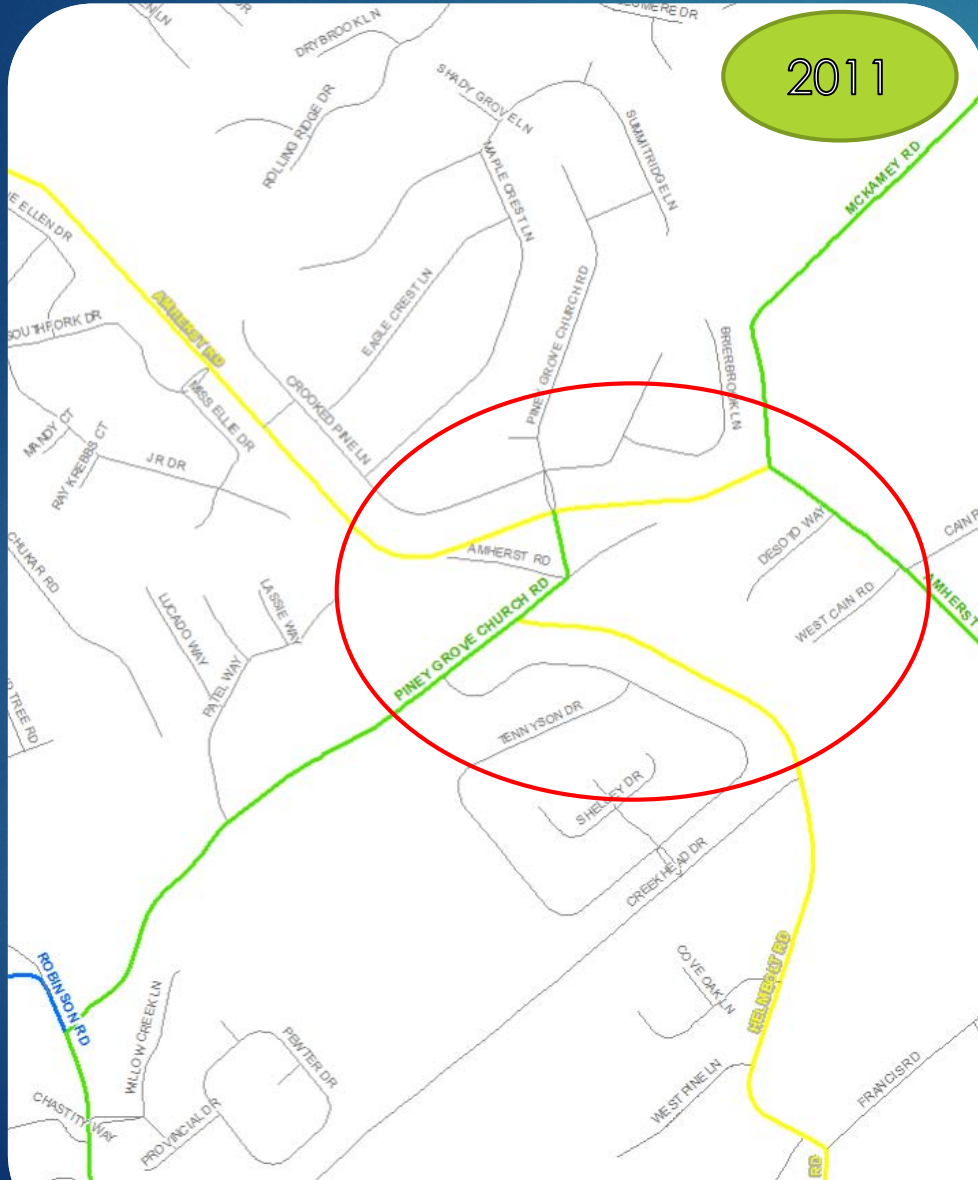
Removal  
of roads  
– 4 road  
sections

3 decreasing  
classifications

7 increasing  
classifications

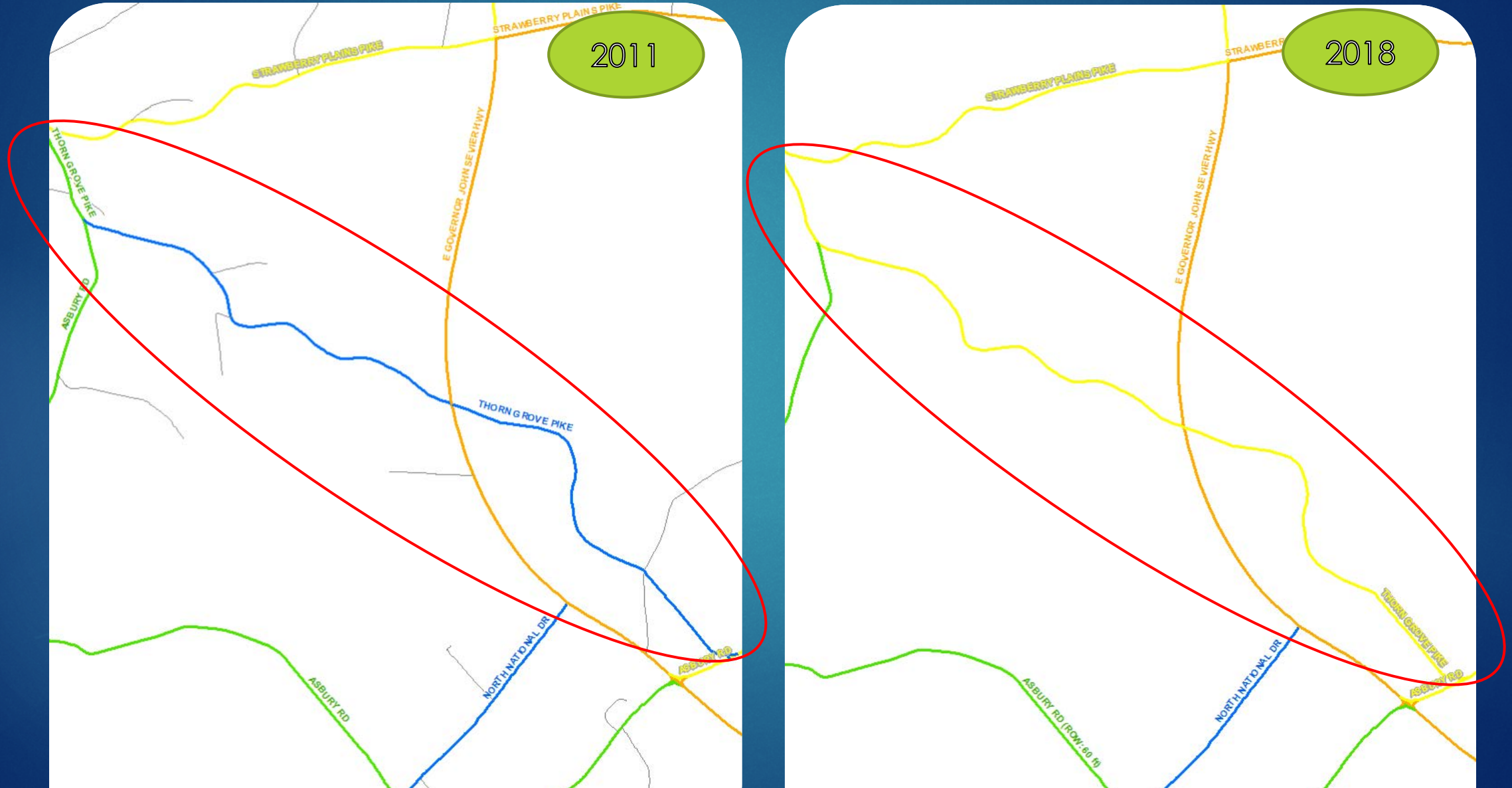


# Example of Changes





# Example of Changes





# New layer on MPC Cases

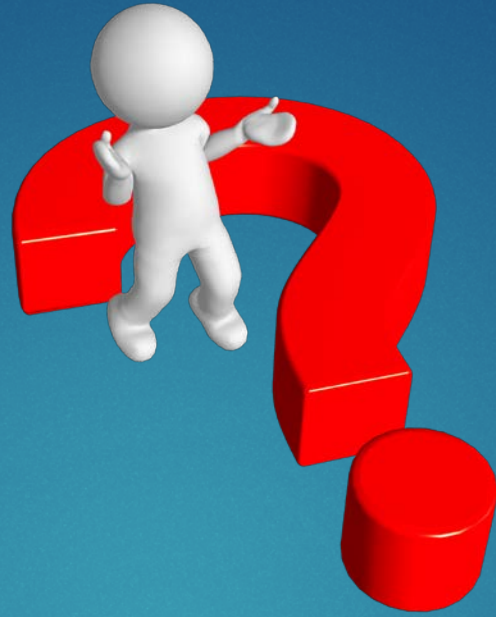
The screenshot displays the MPCGIS web application interface. On the left, a 'Layers' panel lists various map layers, including 'MPC Cases', 'Active MPC Cases', 'All MPC Cases', 'Property Dimensions', 'Farmland Soils', 'Growth Plan', 'Historic Districts and Pre-1865', 'Structures', 'Major Road Plan', 'Scenic Roadways', 'School Parental Responsibility Zones', 'Telecomm Towers', 'Base Maps', 'Aerial 2018', 'Zoning', 'Sector Plan', 'One Year Plan', 'City Wards', 'Existing Land Use', and 'Gray Base Map'. The 'Major Road Plan' layer is circled in red. A search menu is open over the map, listing options such as 'Search by MPC file number', 'Locate an intersection', 'Locate an address', 'Locate a Parcel', 'Owner Search', 'Subdivision search', 'Change visible map layers', 'Print map', and 'Return to initial map extent'. The 'Change visible map layers' option is also circled in red. The map shows a residential area with roads like Western Ave, Ball Camp Pike, Matlock Dr, and Dewine Rd, along with buildings and green spaces. A scale bar at the bottom indicates 0, 100, and 200 feet. The 'Layers' button at the bottom left is also circled in red.



# 2018 Schedule for adoption







# Major Road Plan:

<https://www.knoxmpc.org/news/2018/0828/296/major-road-plan-available-for-comment>

<https://www.kgis.org/maps/MPCCases.html>

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