

ONE MCKINNEY 2040

Mobility & Transportation



- MONEY MAGAZINE 2014 -

ONE McKinney 2040

What is included in Mobility and Transportation?

1. **Master Thoroughfare Plan (MTP)**
2. **Illustrative Cross-Sections**
3. **Key Mobility Considerations**

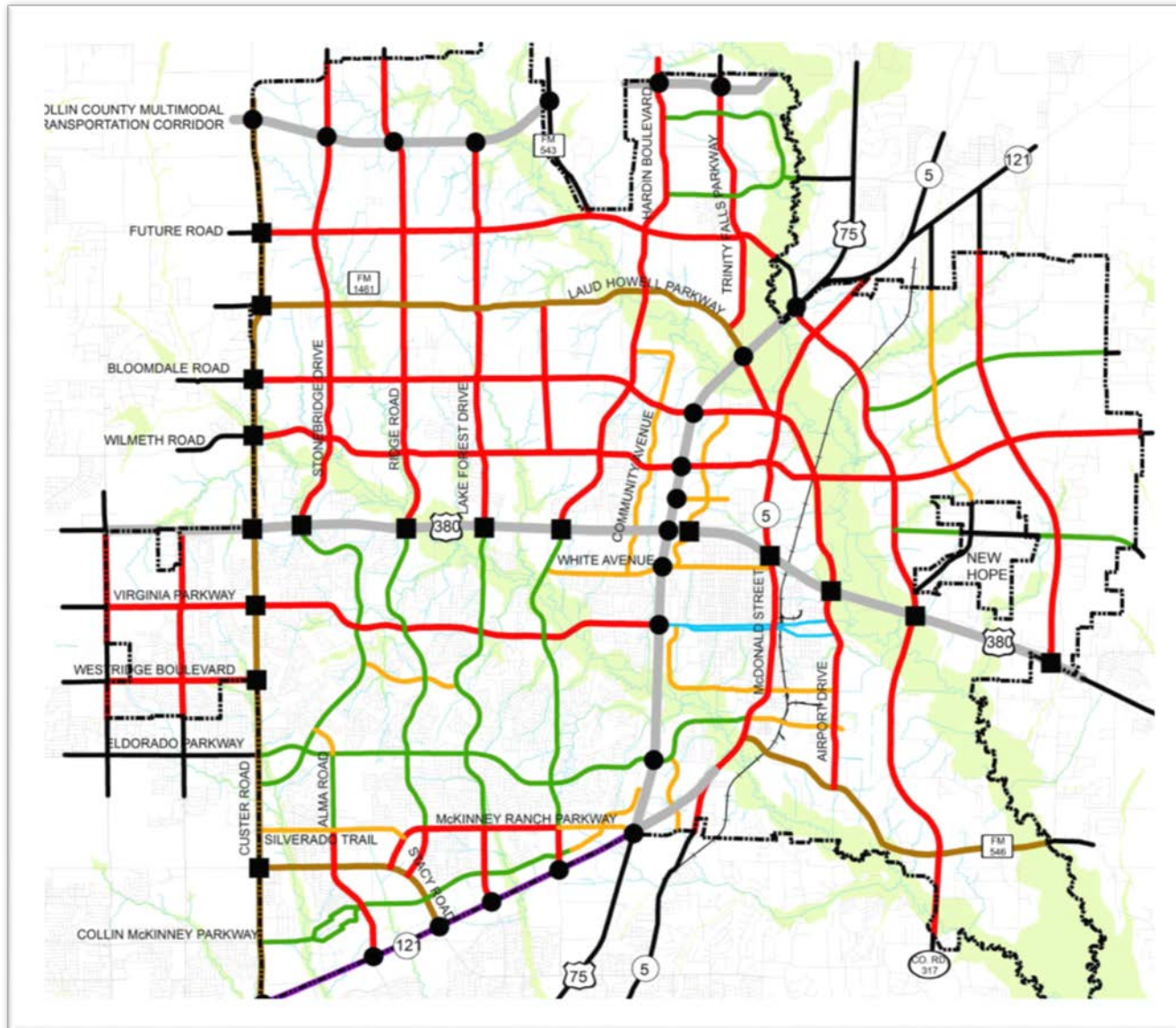
Alternative Modes (i.e. bike accommodations, public transportation, etc)
Regional Connectivity

ONE McKinney 2040

What do we hope to achieve with the Council as part of tonight's discussion?

- *General support of the Preliminary Thoroughfare Plan, illustrative cross-sections, and key mobility considerations.*

2004 Master Thoroughfare Plan (MTP)



Roadway Classifications

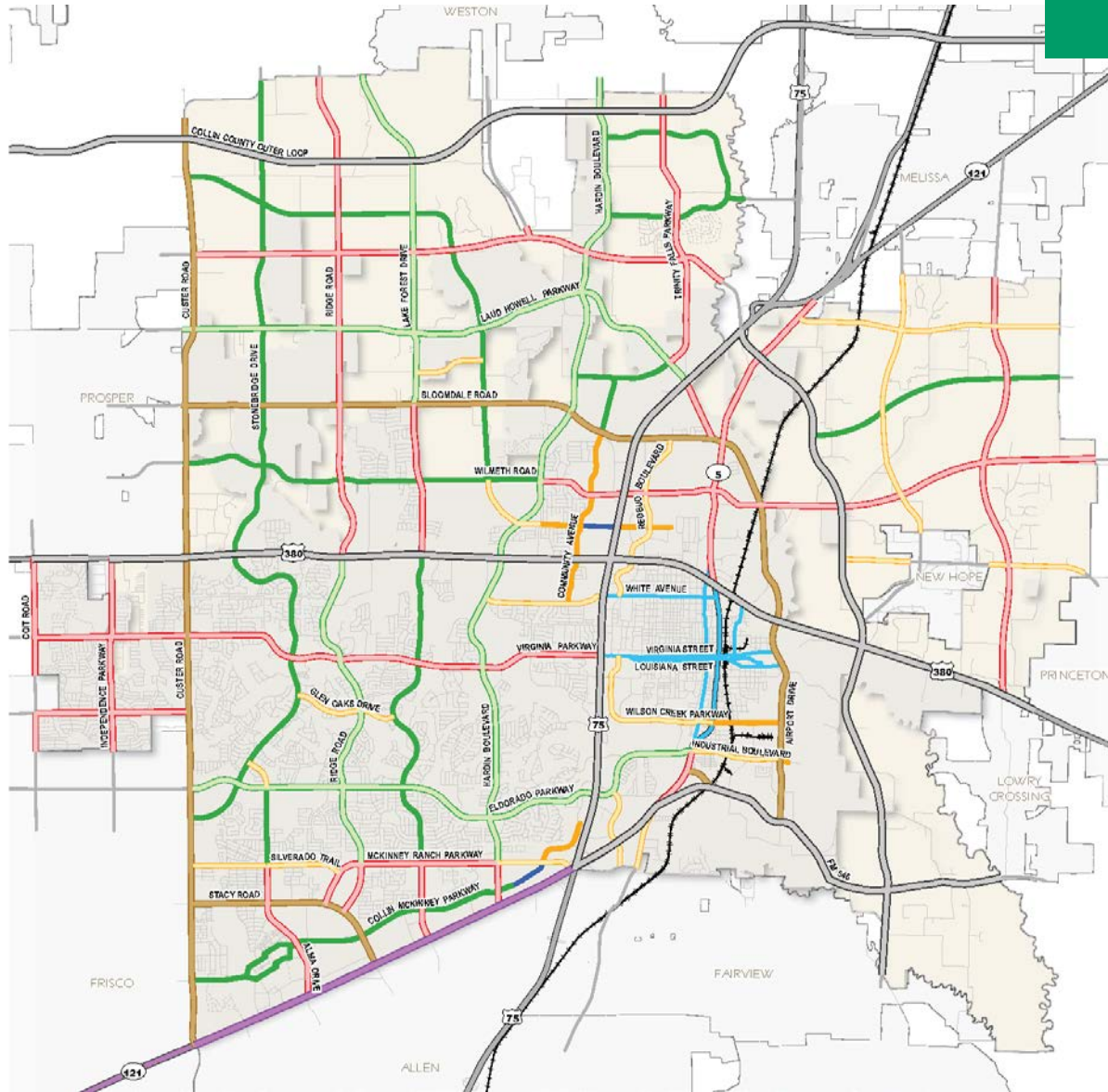
- Major Regional Highway / Multi-Modal
- Tollway
- Principal Arterial (6-lane)
- Major Arterial (6-lane)
- Minor Arterial (4-lane)
- Greenway Arterial (4-lane)
- Town Thoroughfare
- Road By Others

ONE McKinney 2040: Draft MTP

Roadway Classifications

Draft Thoroughfare Plan 2016

- Major Regional Highway / Multi-Modal
- Tollway
- Principal Arterial - 130' ROW (6 Lanes)
- Major Arterial (6 Lanes)
- Greenway Arterial (6 Lanes)
- Greenway Arterial (4 Lanes)
- Minor Arterial (4 Lanes Divided)
- Minor Arterial (4 Lanes Undivided)
- Minor Arterial (3 Lanes)
- Town Thoroughfare
- Road By Others



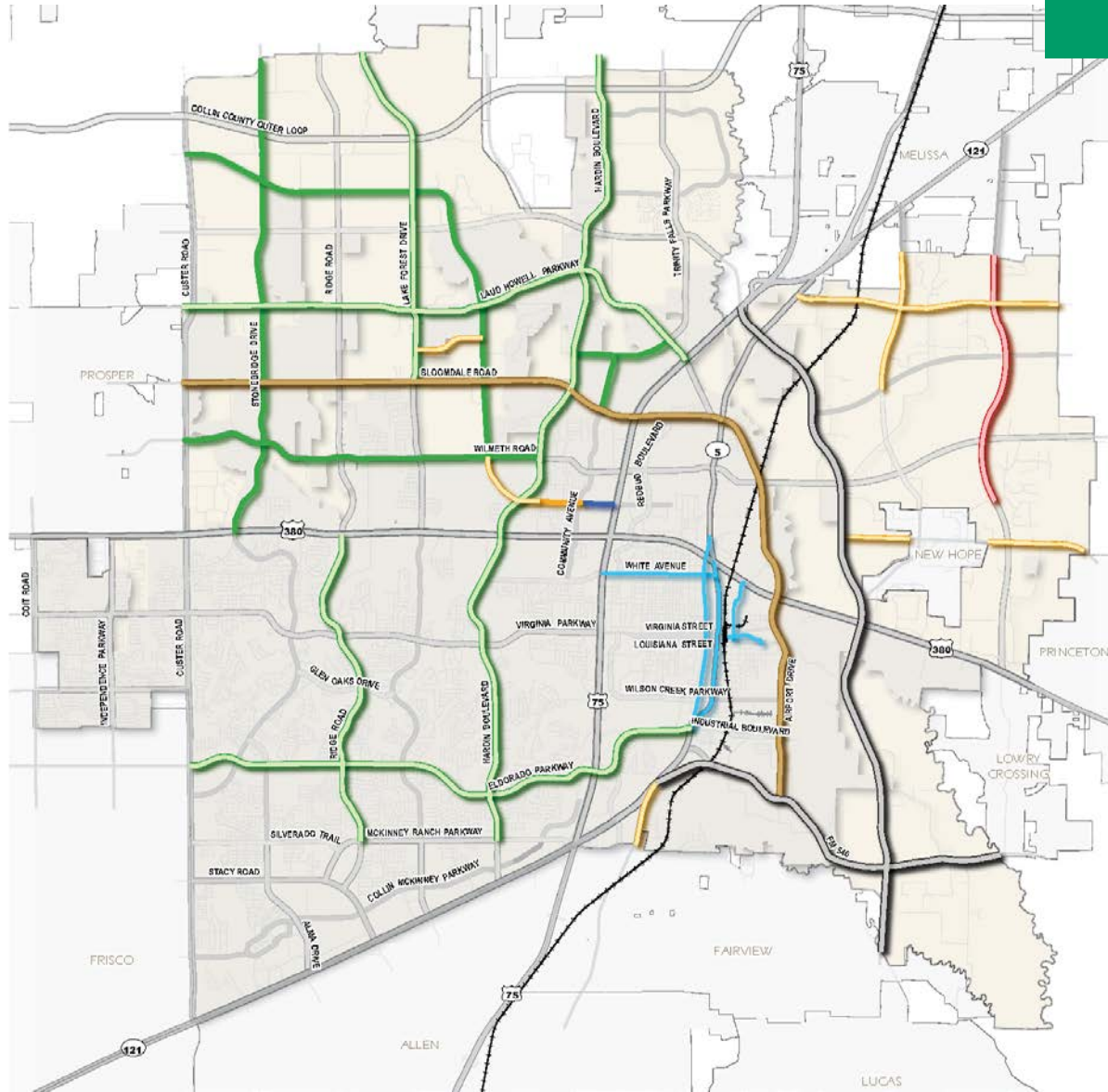
ONE McKinney 2040: Draft MTP

Key Changes

Classifications

Updated Alignments

New Alignments



Master Thoroughfare Plan: TDM Results

At 2040

Level of Service

Acceptable Under
Current Comprehensive Plan

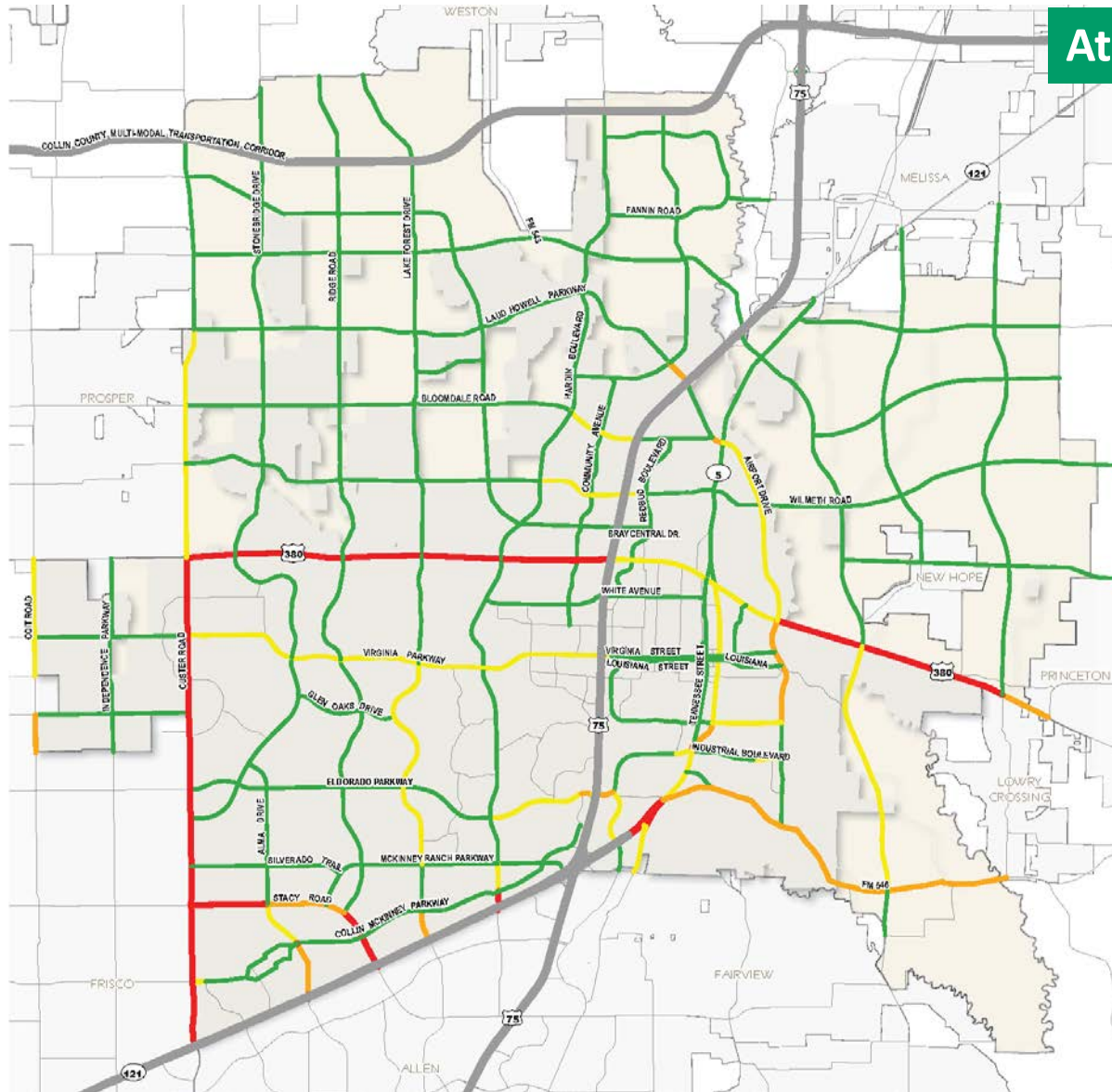
— LOS A/B/C Free Flow/Acceptable (<.65)

— LOS D Tolerable Delay (.65 - .80)

Not Acceptable Under
Current Comprehensive Plan

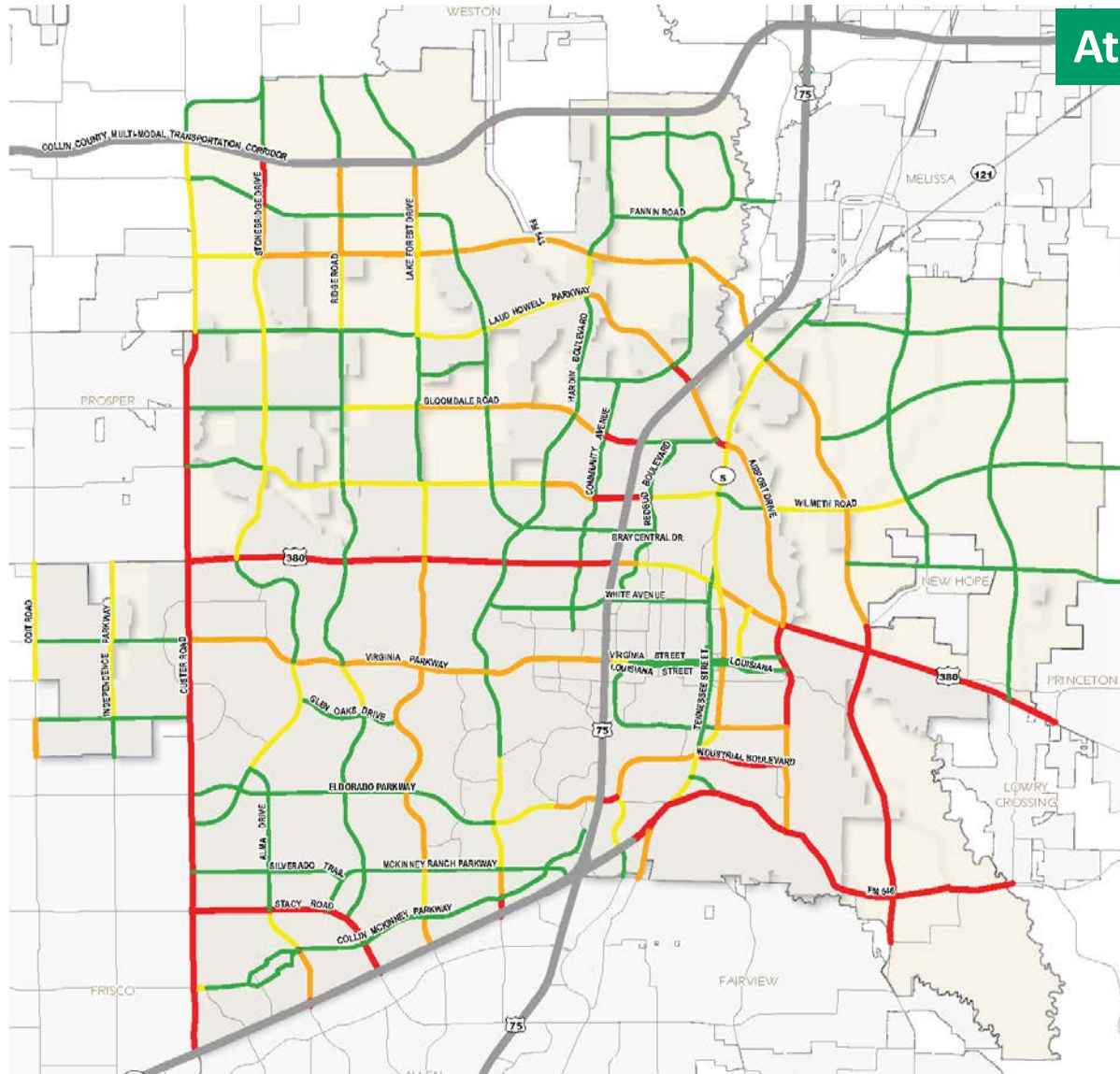
— LOS E Significant Delay (.80 - 1.0)

— LOS F Excessive Delay (> 1.0)



Master Thoroughfare Plan: TDM Results

At Buildout



Level of Service

Acceptable Under Current Comprehensive Plan

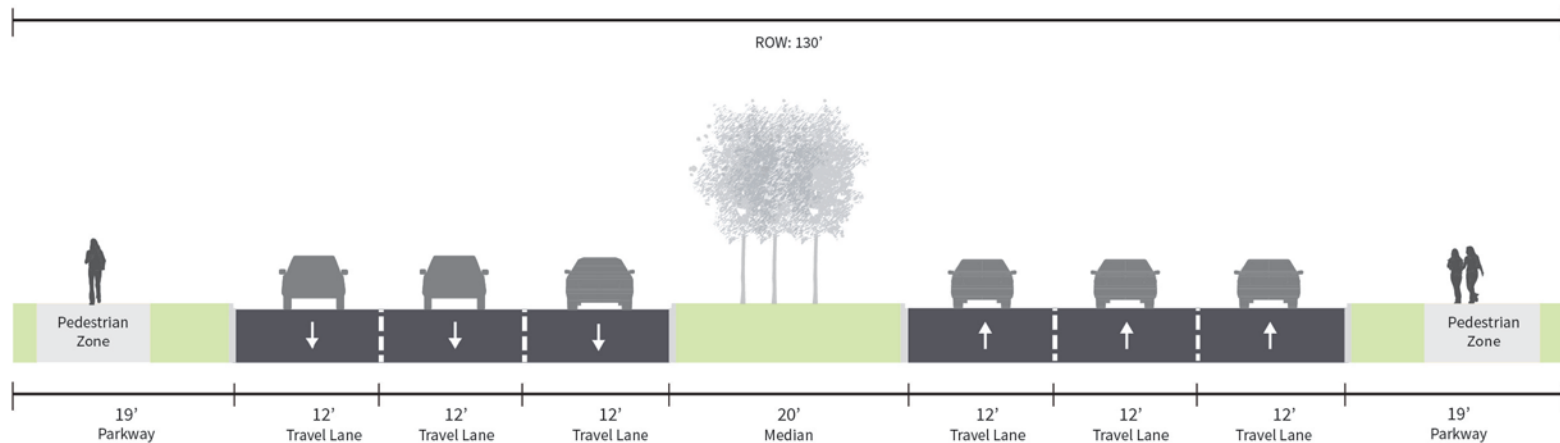
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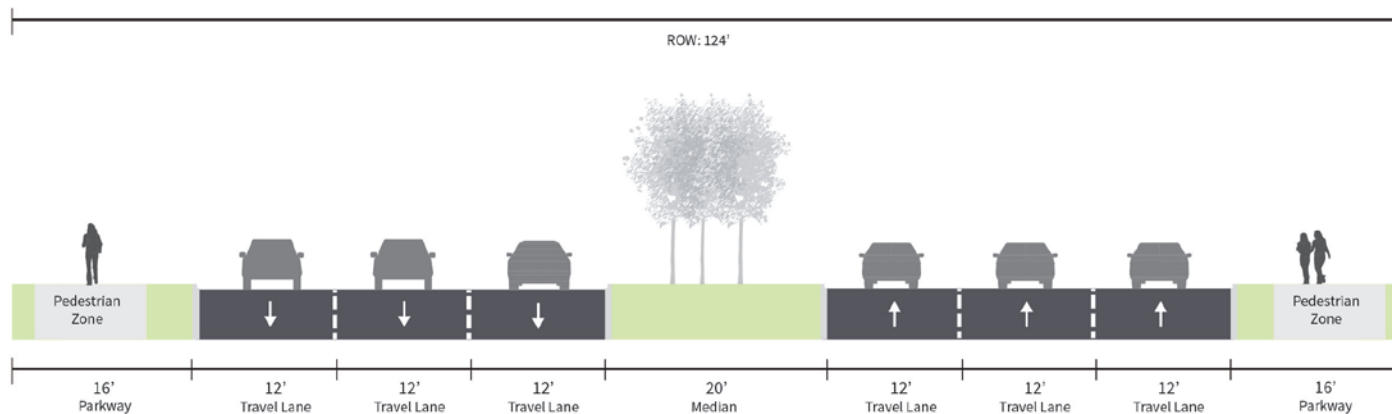
- LOS E Significant Delay (.80 - 1.0)
- LOS F Excessive Delay (> 1.0)

Illustrative Cross-Sections

P6D Principal Arterial (130')

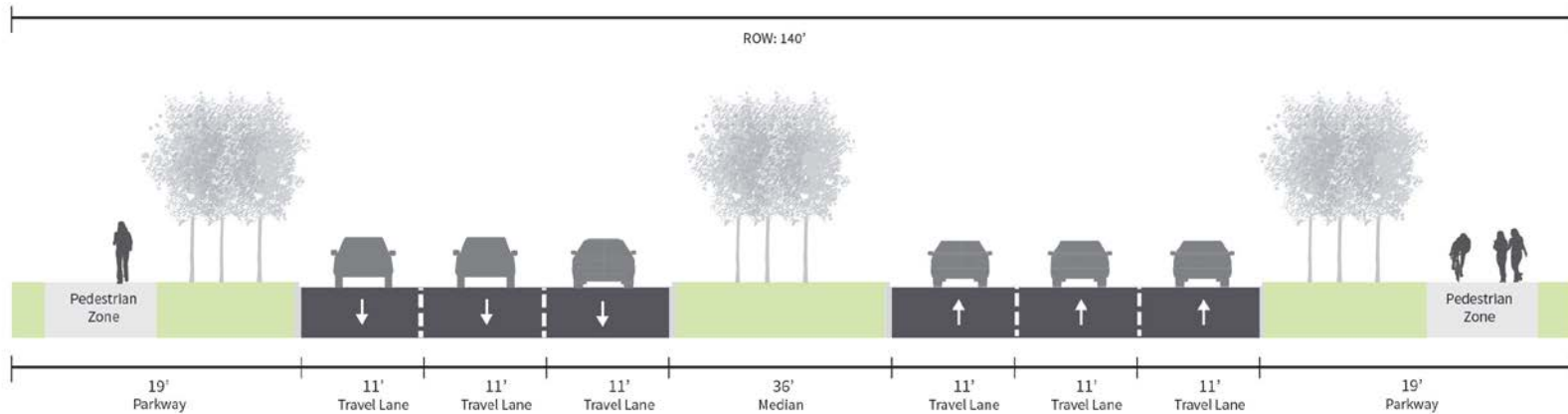


M6D Major Arterial (124')

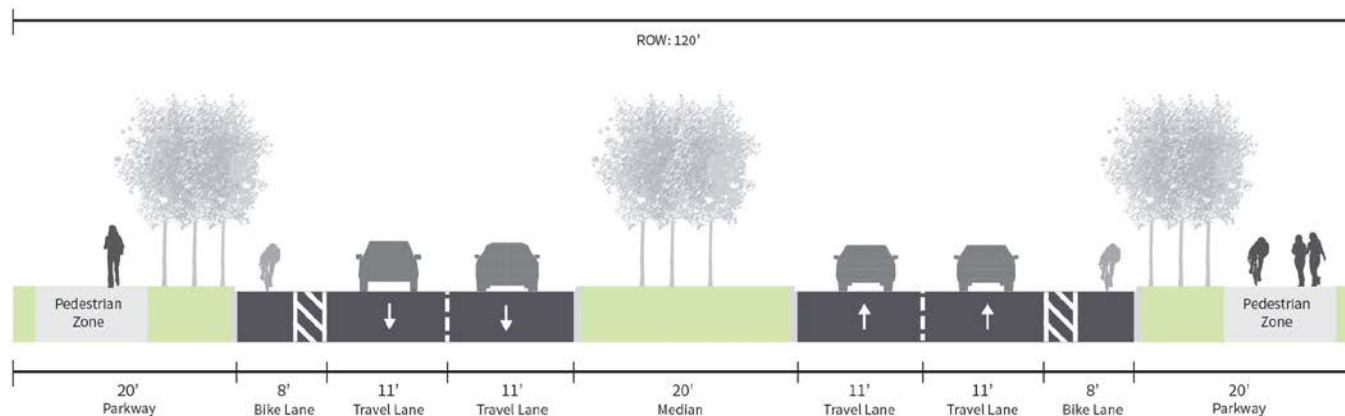


Illustrative Cross-Sections

G6D Greenway Arterial (140')



G4D Greenway Arterial (120')



Illustrative Cross-Sections: Key Criteria

Classification	ROW Width	# of Lanes	Width of Travel Lane	Bike/Ped Accommodations*
Principal Arterial (P6D)	130'	6 lanes	12'	Designated pedestrian zone
Major Arterial (M6D)	124'	6 lanes	12'	Designated pedestrian zone
Greenway Arterial (6-Lane) (G6D)	140'	6 lanes	11'	Designated pedestrian zone
Greenway Arterial (4-Lane) (G4D)	120'	4 lanes	11'	Designated pedestrian zone + buffered on-street bike lane
Minor Arterial Divided (M4D)	100'	4 lanes	11'	Designated pedestrian zone
Minor Arterial Undivided (M4U)**	80'	4 lanes	11'	Designated pedestrian zone
Minor Arterial Standard (M3U-S)	70'	2 lanes of travel 1 center turn lane	11'	Designated pedestrian zone
Minor Arterial Frontage (M3U-F)	70'	3 lanes (one-way)	12'	Designated pedestrian zone

*Per State Law, bicyclists are permitted to use the full lane of travel on all roadways.

** M4U Classification and cross-section are identified for existing environments only.

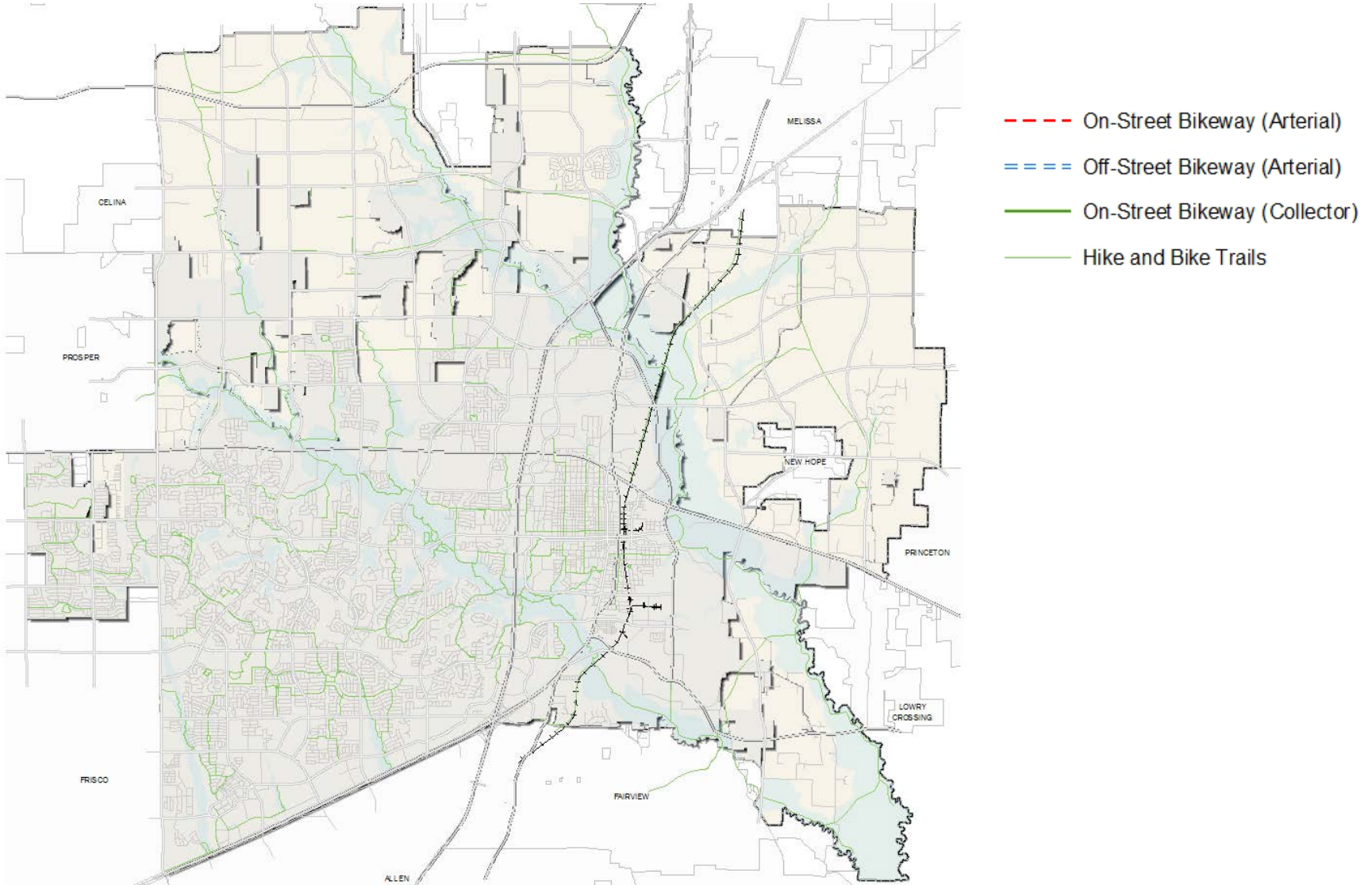
Illustrative Cross-Sections: Key Changes

Classification	ROW Width	# of Lanes	Width of Travel Lane	Bike/Ped Accommodations*
Principal Arterial (P6D)	130'	6 lanes	12'	Designated pedestrian zone
Major Arterial (M6D)	proposed: 124' was: 120'	6 lanes	12'	Designated pedestrian zone
NEW Greenway Arterial (6-Lane) (G6D)	140'	6 lanes	11'	Designated pedestrian zone
Greenway Arterial (4-Lane) (G4D)	120'	4 lanes	11'	Proposed: on-street bike lanes was: 6' sidewalk (typical)
Minor Arterial Divided (M4D)	100'	4 lanes	11'	Designated pedestrian zone
Minor Arterial Undivided (M4U)**	80'	4 lanes	11'	Designated pedestrian zone
Minor Arterial Standard (M3U-S)	70'	2 lanes of travel 1 center turn lane	11'	Designated pedestrian zone
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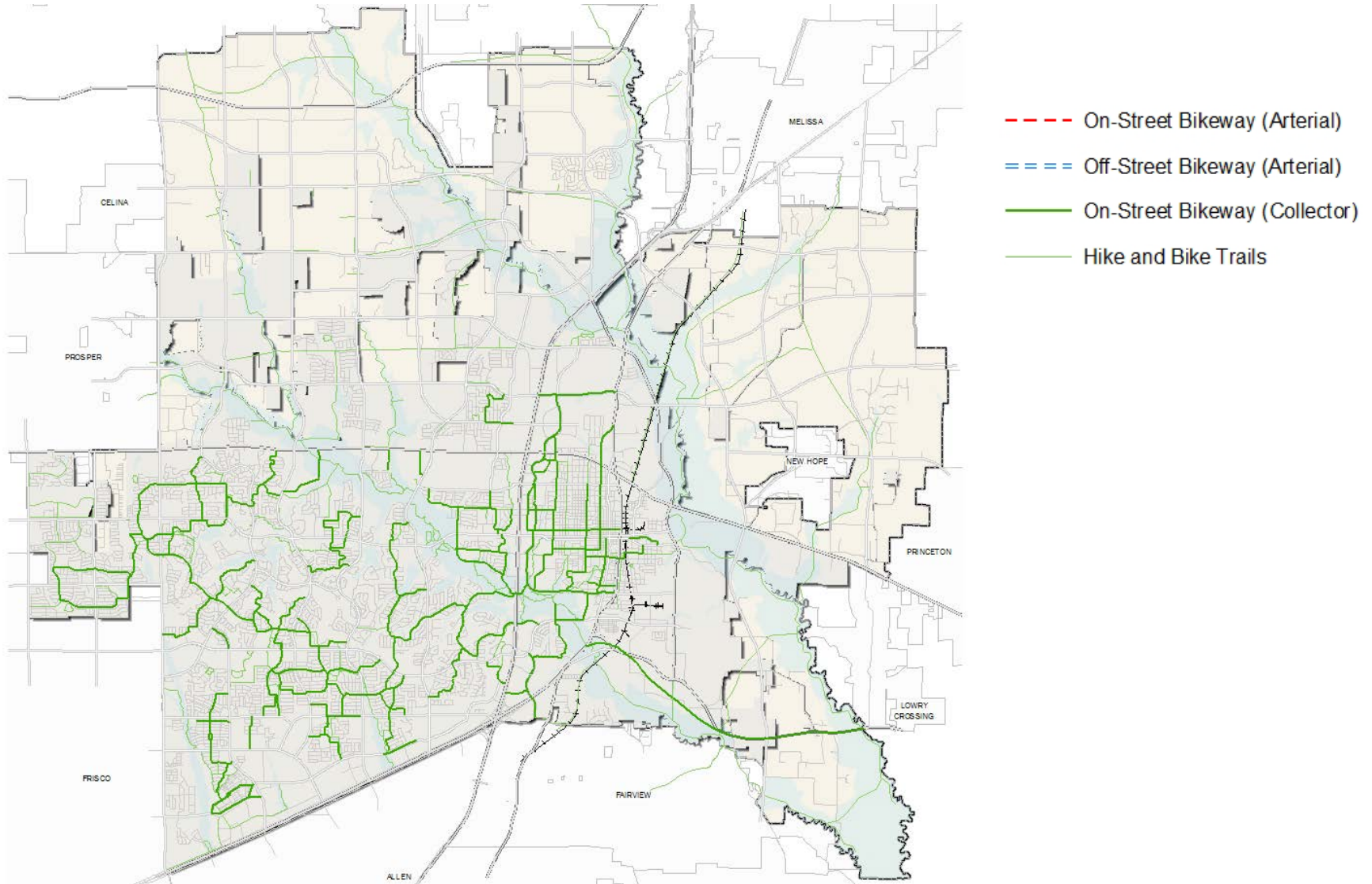
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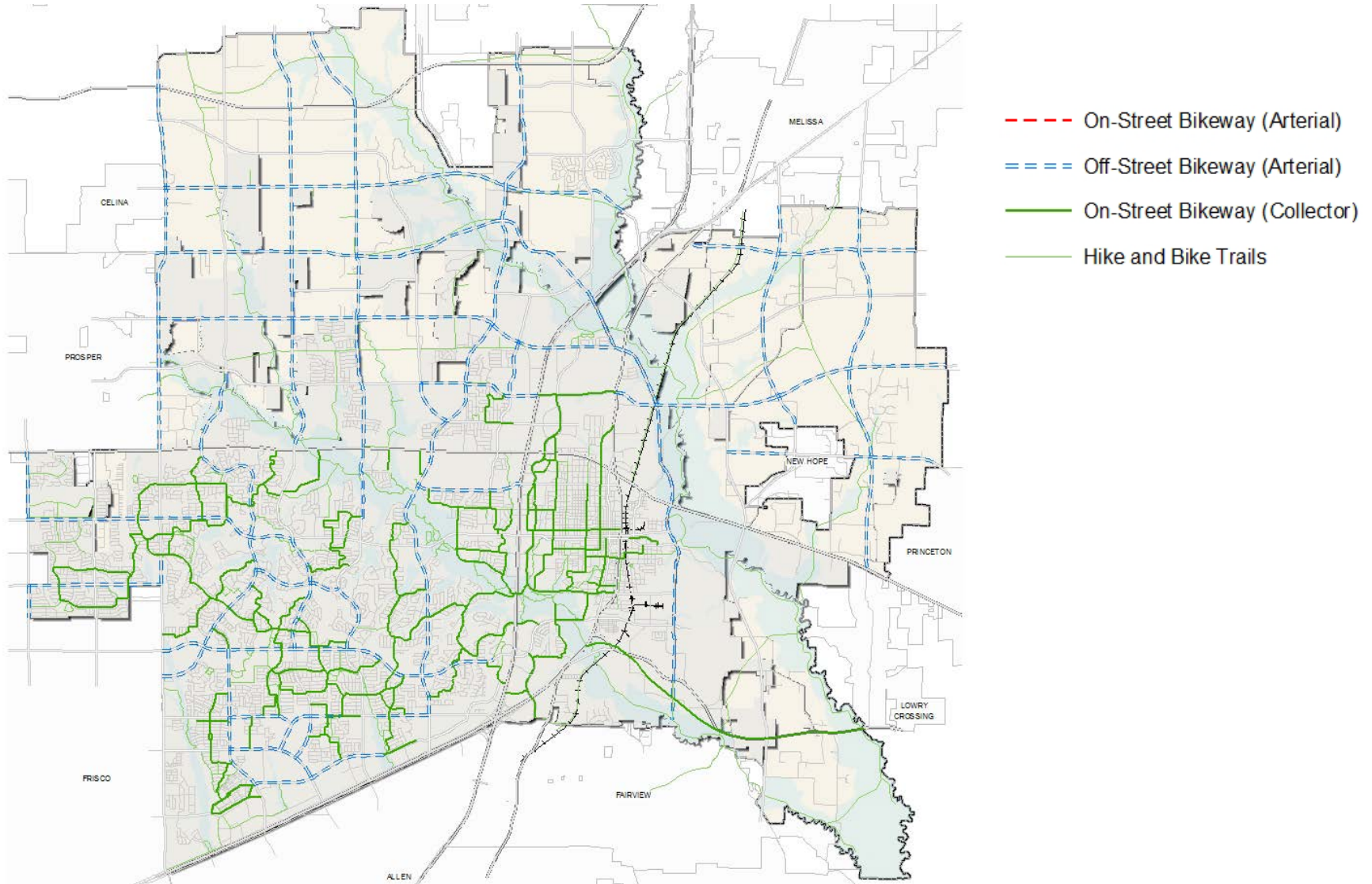
Key Mobility Considerations: Bike/Ped



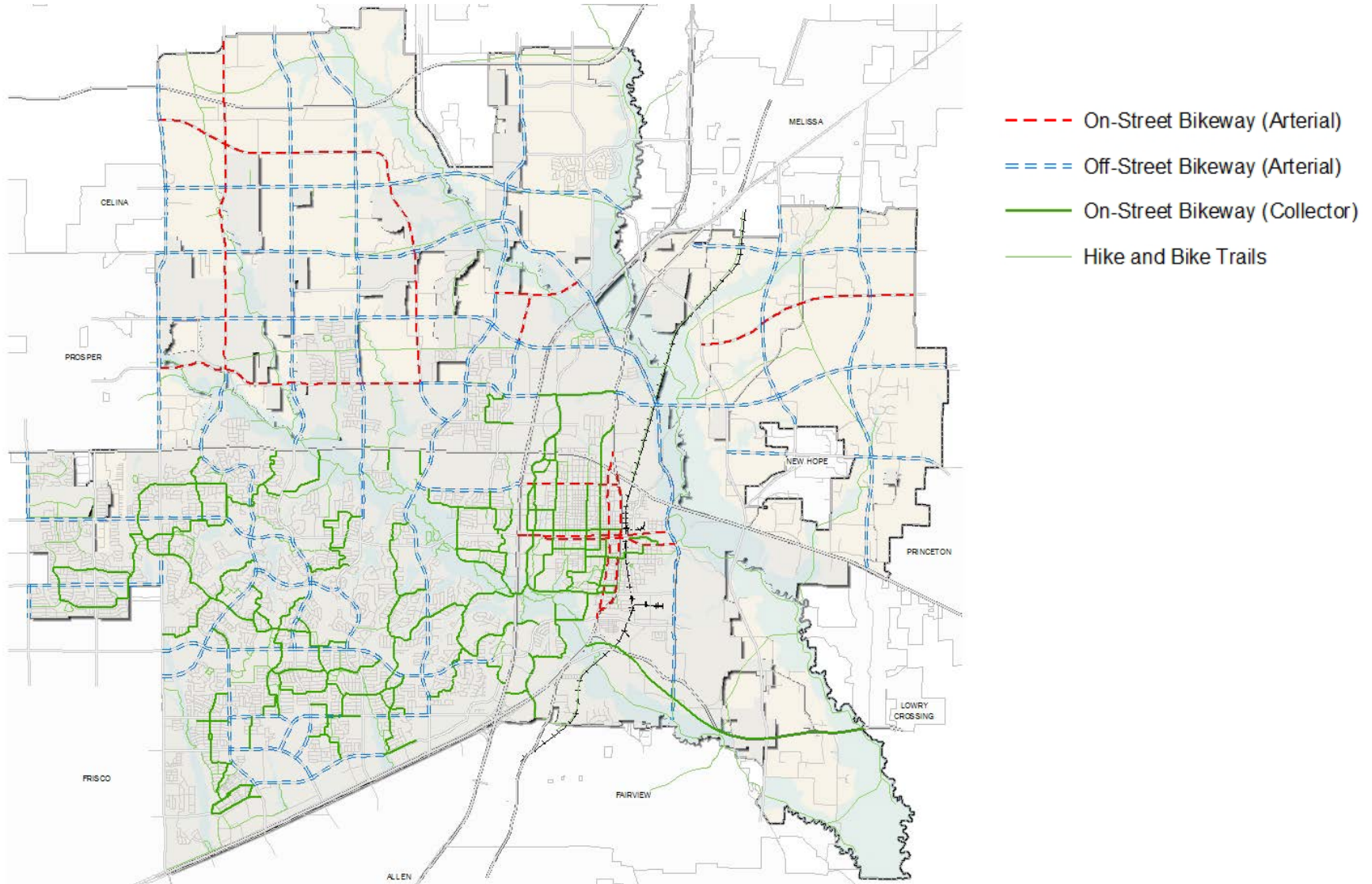
Key Mobility Considerations: Bike/Ped



Key Mobility Considerations: Bike/Ped



Key Mobility Considerations: Bike/Ped



Next Steps

- ☒ Overall Policy Direction (Vision and Guiding Principles)
- ☒ Land Use Approach (Preferred Scenario and Land Use Diagram tool)
- ☒ Mobility and Transportation
- ☐ Land Use Diagram in Detail
- ☐ Draft Plan Components in Detail

Upcoming CPAC Meetings
August 31
September 28

Stay in the Know



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