

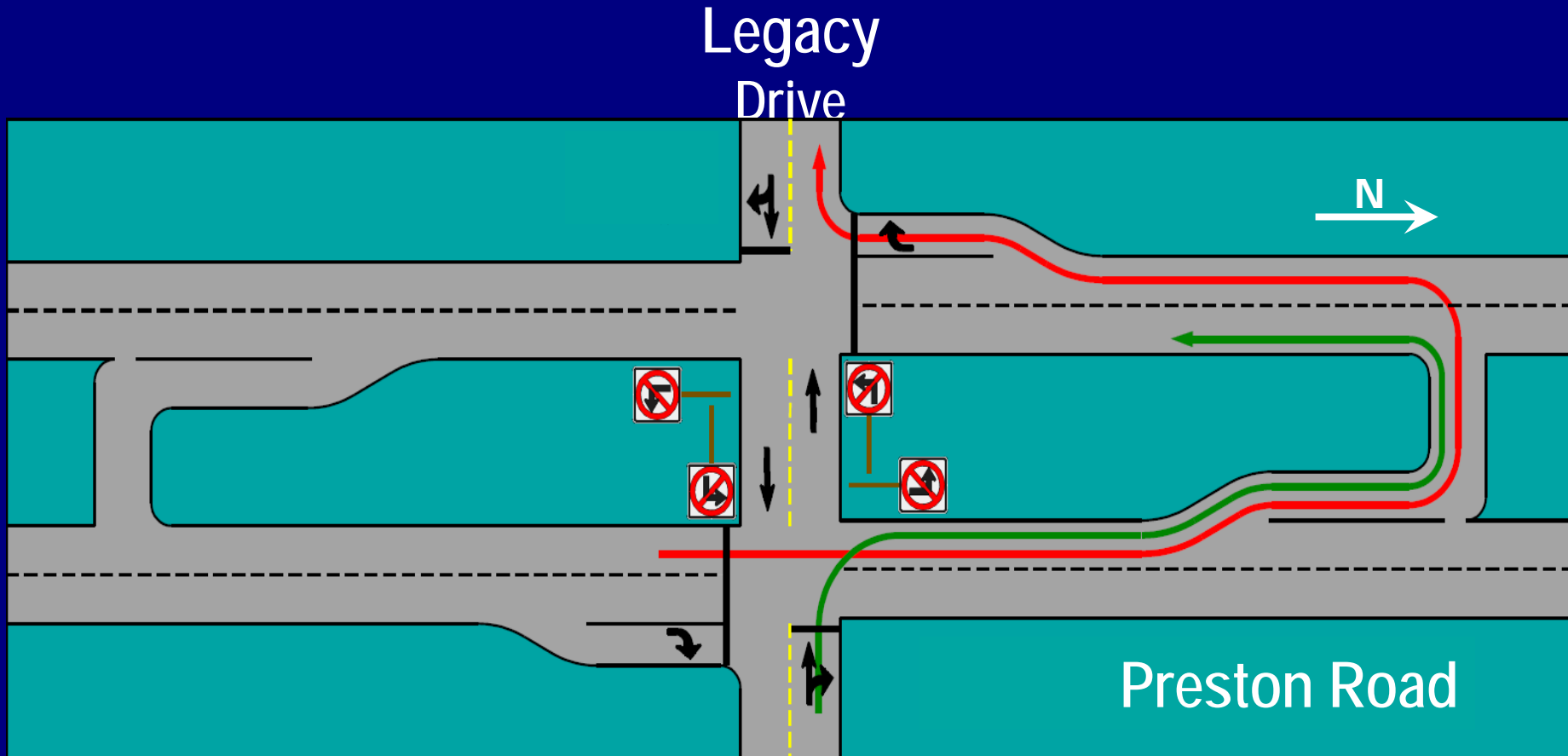
# Preston Road @ Legacy Drive

## Recommended Design Concept

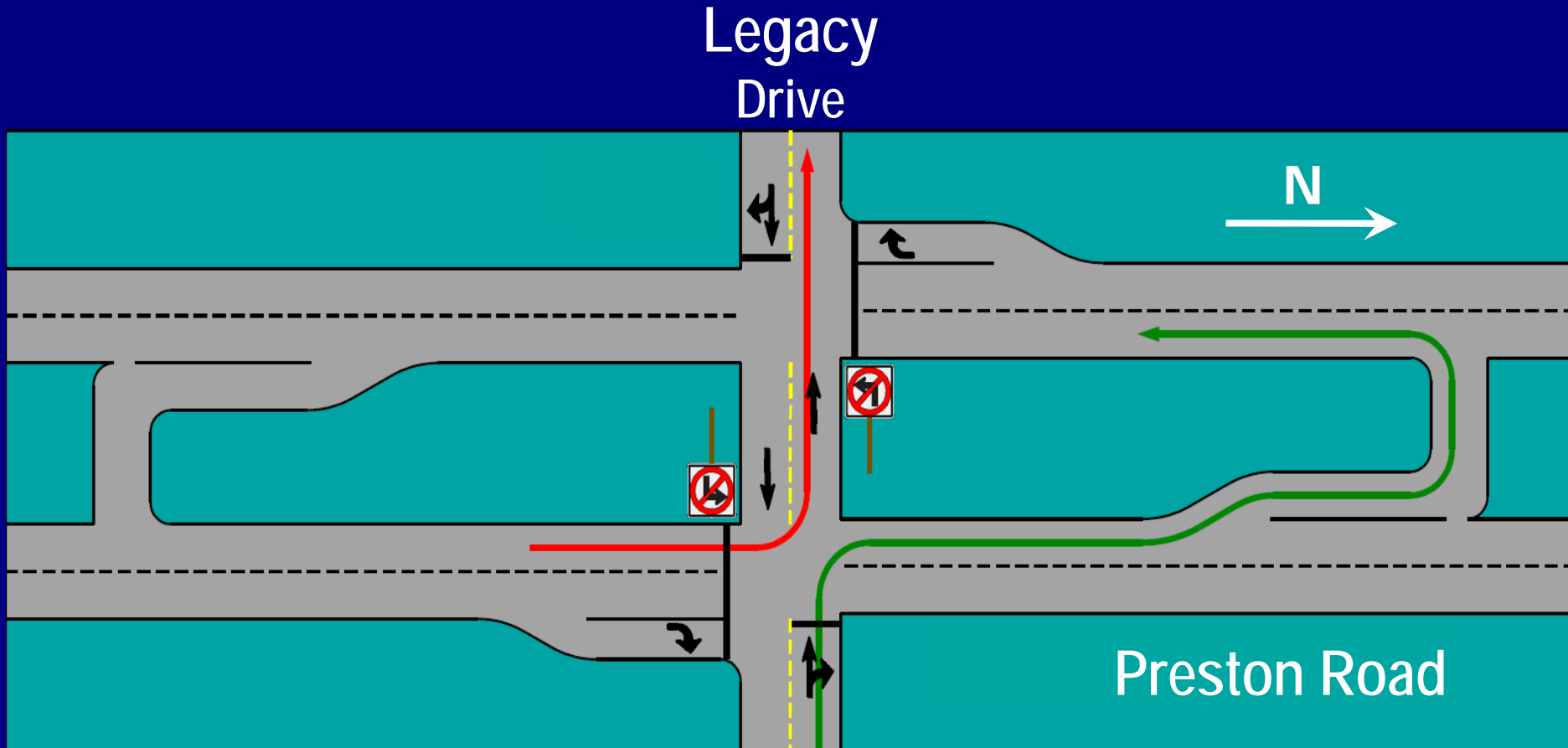
# Background

- City Council supports Engineering recommendation to implement the Median Left-Turn Design concept at two locations
- Use a phased implementation approach to assist in determining public acceptance of the new design
- Make the design flexible to minimize “change back” impacts

# Median Left-Turn Concept



# Modified Design Concept



# Modified Design Advantages

- Provides; additional through lanes on Preston, U-Turn lanes at the intersection, increased right-turn lane storage, and no signals needed at median U-Turn locations
- Provides familiar lane markings/signing (on Preston Road)
- Reduces traffic weaving and merging
- High benefit/cost ratio (106.6)
- Minimal R/W required for Right Turn Lanes
- Minimal disruption to traffic during construction

# Recommended Layout

- Additional north-south lanes on Preston Road through Legacy
- Median left-turns for Legacy to Preston left-turn flow
- Additional NB, WB and SB right-turn lane storage lengths

Preston Road

Legacy Drive

# Recommendation

- Use the recommended concept at:
  - Spring Creek @ Coit
  - Legacy @ Preston
  - Preston @ Plano Parkway
- Closely monitor traffic safety/operations

# Discussion

