

# Ridgeview, 143<sup>rd</sup> to 151<sup>st</sup>, Improvements Project

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# Project Background

- Project is needed to:
  - Address capacity concerns
  - Address safety concerns
  - Address Neighborhood Access
- Authorized – January 22, 2019
- PSA with TranSystems – January 22, 2019
- Concept/Traffic Study – Completed May 2019
- Public Meeting – June 27, 2019



# Alternatives Considered

	Existing	3-Lanes with Two-Way Left Turn	4-Lanes with Traffic Signals
Typical Section			
Average Peak Hour Side Street Delays	> 60 seconds	10 – 15 Seconds	40 – 60 Seconds
95% Queue Lengths on Ridgeview Road	300+ Feet	200 – 300 Feet	50 – 150 Feet
Right-of-Way Width	80 – 90 Feet	80 Feet	104 Feet
Properties Impacted		10	> 30
Sidewalk Location		Unchanged	12 – 15 Feet Closer to Homes

# Benefits of 3-Lanes with Roundabouts Option

- Eliminates backups on Ridgeview Road due to left-turn movements
- Roundabouts provide safer turning movements
- Roundabouts provide greatest reduction in side street delays
- Maintains neighborhood feel
- Fits within existing Right-of-Way



Example 3-Lane Roadway with Two-Way Left Turn Lane



# Existing Ridgeview Road, 151<sup>st</sup> to 163<sup>rd</sup>

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# Preliminary Design – 3-Lane with Roundabouts





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# Preliminary Design – 3-Lane with Roundabouts





# Next Steps

- Supplemental Agreement with TranSystems for full roadway design – October 2019
- Final Design – Winter 2019/2020
- Land Acquisition – Winter/Spring 2019/2020
- Utility Relocation – Summer/Fall 2020
- Construction of Roadway Improvements - 2021