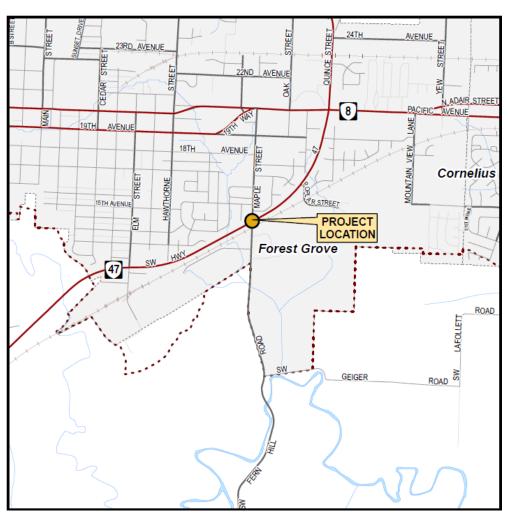


Fern Hill / Maple / Hwy 47 Intersection Project Update







# Traffic analysis

#### What has been happening?

- The intersection has been analyzed as both an urban and rural intersection
- Roundabout analyzed in more detail due to railroad crossing
- Four alternatives analyzed:
  - Existing two-way stop control with right-turn lanes
  - Traffic signal
  - Single-lane roundabout
  - Restricted crossing u-turn (R-cut) intersection



### Traffic signal alternative



- Speed feedback signs may also be helpful
- Railroad signal will be coordinated with the traffic signal



#### Roundabout alternative



- Fewest potential conflict points
- Would potentially need to be signalized due to the proximity to the railroad



## Restricted crossing U-turn alternative

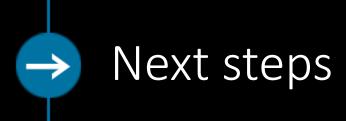


- Adequate site distance is required
- Additional analysis needed for north/south pedestrian/cyclist movement



#### Pros and cons for each alternative

Traffic Signal		Roundabout		R-Cut	
Pro	Con	Pro	Con	Pro	Con
Low upfront cost	More conflict points than the other alternatives	Fewest conflict points	High upfront costs	Reduces conflict points	High upfront costs
Coordinated with railroad signal	Maintenance costs higher than other alternatives	Maintenance costs	Conflicts with the railroad	In Interior costs	Signaling maybe required due to railroad
Signalization for pedestrians and cyclists		Cyclists and pedestrians cross one lane at a time			



- Selection of a preferred alternative early 2022
  - An open house will follow
- Design commence of preferred alternative spring 2022
- Ongoing discussions to identify construction funding



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Sign-up for updates at the project website:

https://bit.ly/47MapleFernHill