



COUNTY ROAD 47

RECONSTRUCTION PROJECT

Preliminary Design



Project Team

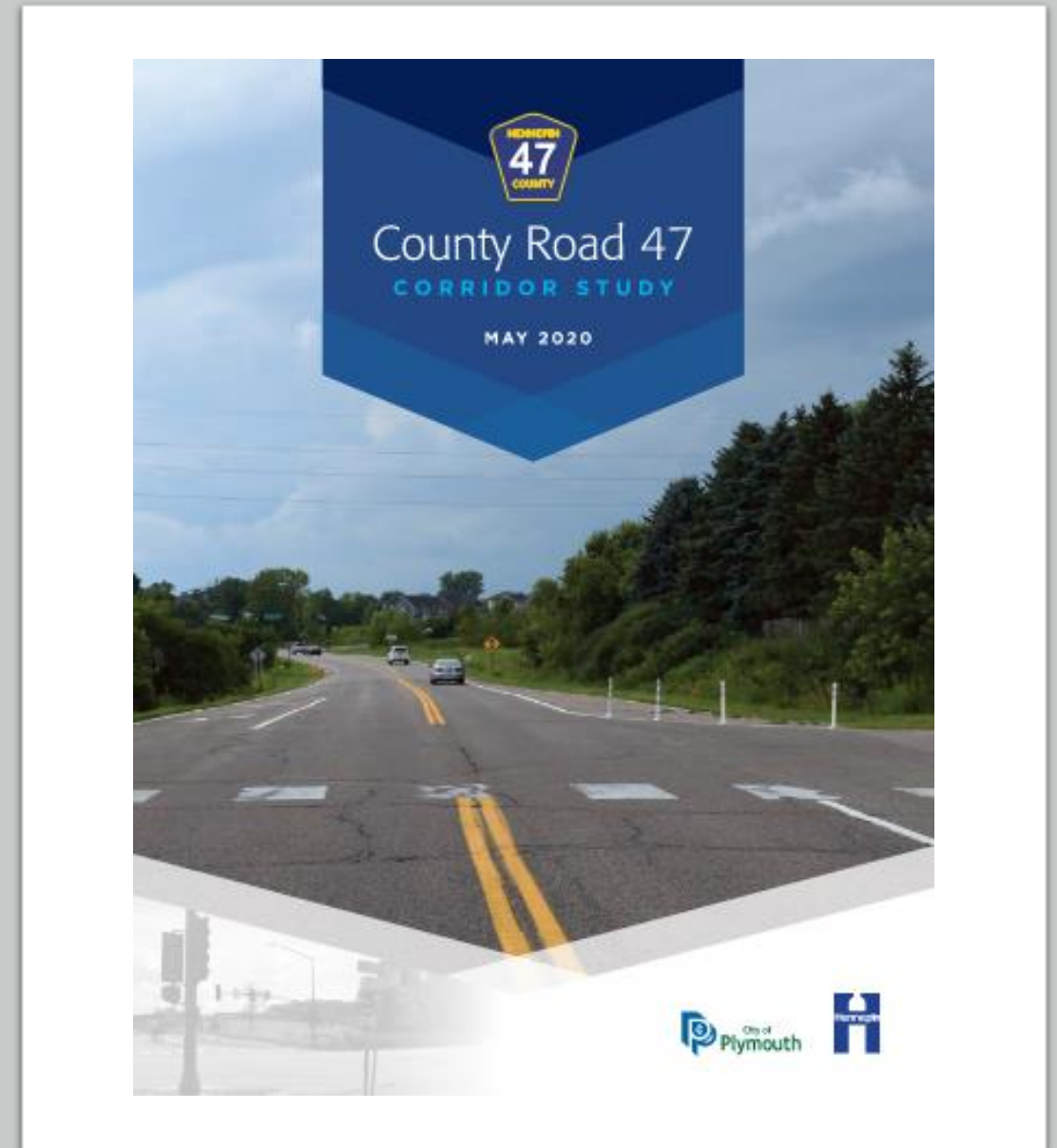
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Corridor Study Recap

The City of Plymouth, in partnership with Hennepin County, completed the CR 47 Corridor Study in May 2020. The study was used to inform the preliminary design.

[Corridor Study Link](https://www.plymouthmn.gov/home/showpublisheddocument/20970/637267936513330000)

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Corridor Study Findings

There is **strong support** for:

Improving safety for vehicles, cyclers, and pedestrians

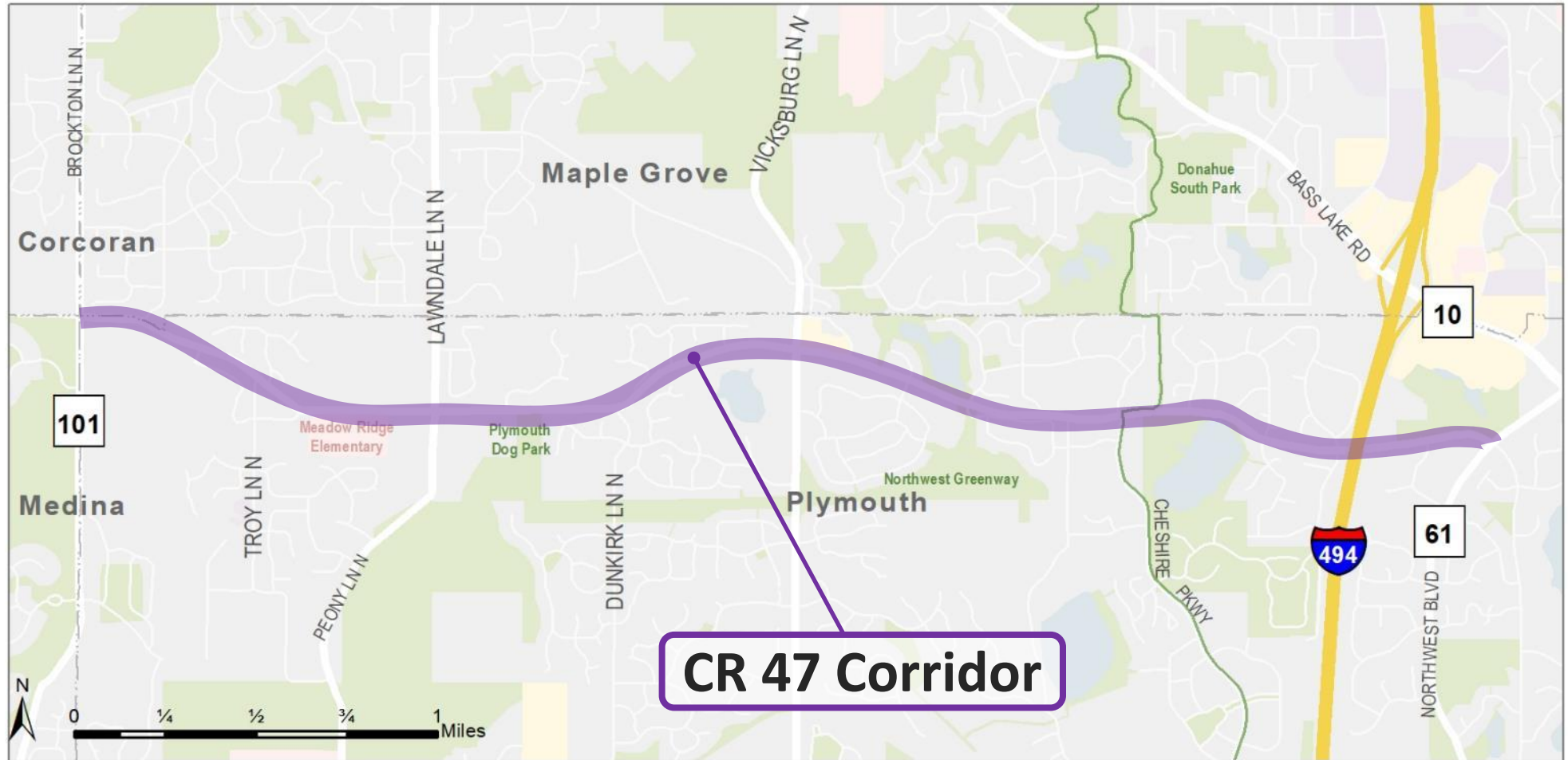
- **Sidewalks & a trail** along County Road 47
- **Reduced vehicle speeds** (& a lower speed limit)
- **Increased visibility** of all users
- **Elimination of the bypass lanes** and/or untraditional turn lanes on the east end of the corridor

Design Speed

- Public input: **speeds are too fast**
 - Existing Speed Limit: 45-50 MPH
- Design:
 - CR 47 design speed will be **40 MPH** to balance the needs of vehicular mobility with pedestrian and bicycle crossings

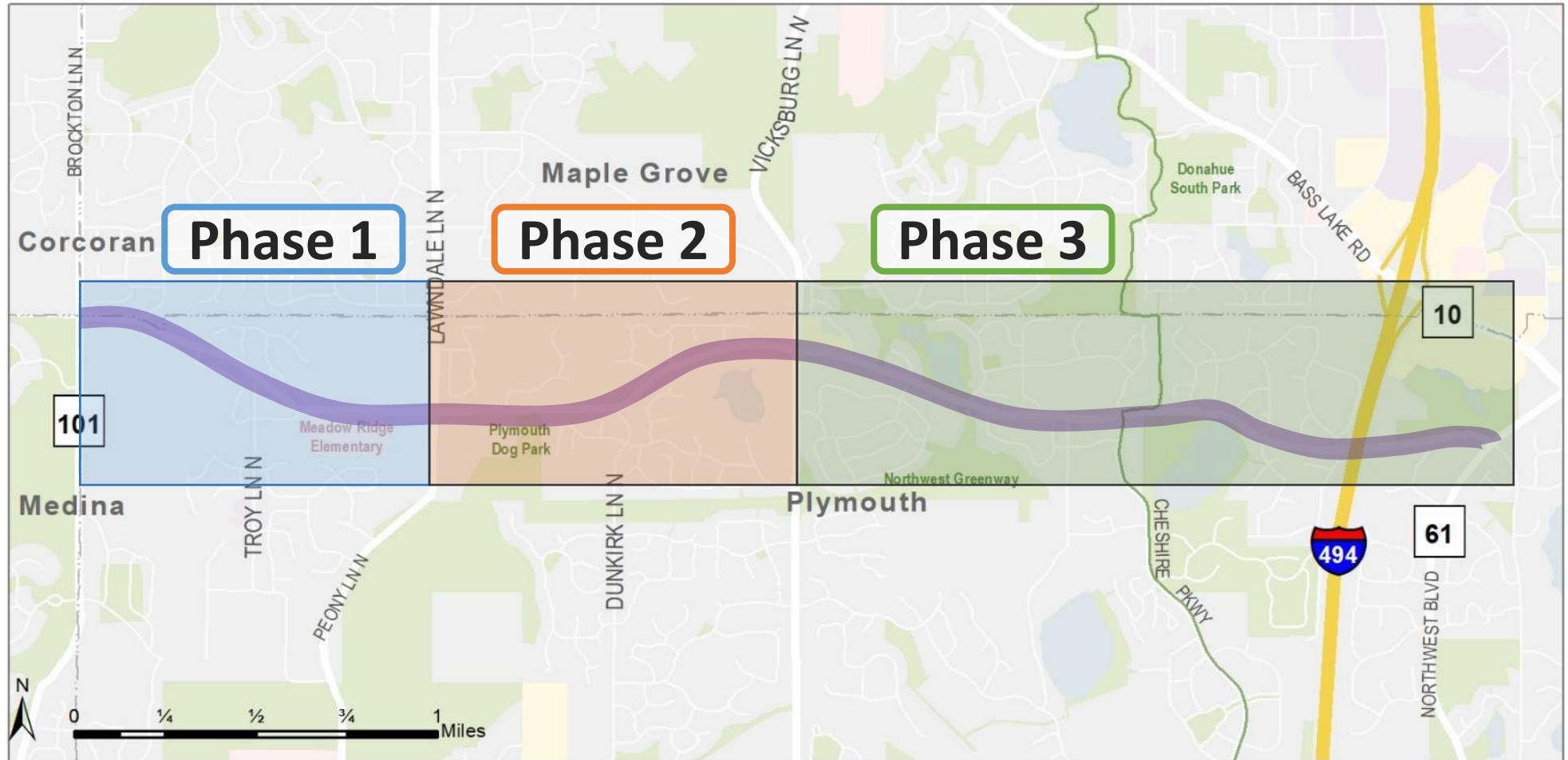


Project Area – Preliminary Design



CR 47 Corridor

Final Design- Phase 1

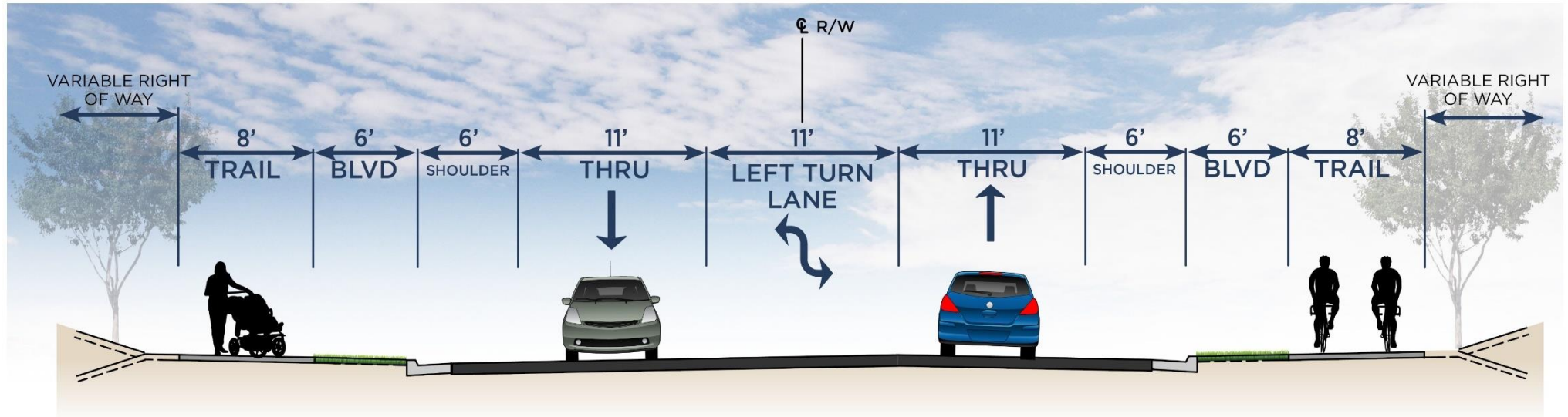


Existing Cross Section

- 1 lane in each direction
- Narrow shoulder
(no curb and gutter)
- Turn lanes at some intersections



Proposed Cross Section (Typical)



**TYPICAL SECTION
CR 47
WITH SHOULDER**

RIGHT AND LEFT TURN LANES INCLUDED AT ALL PUBLIC INTERSECTIONS

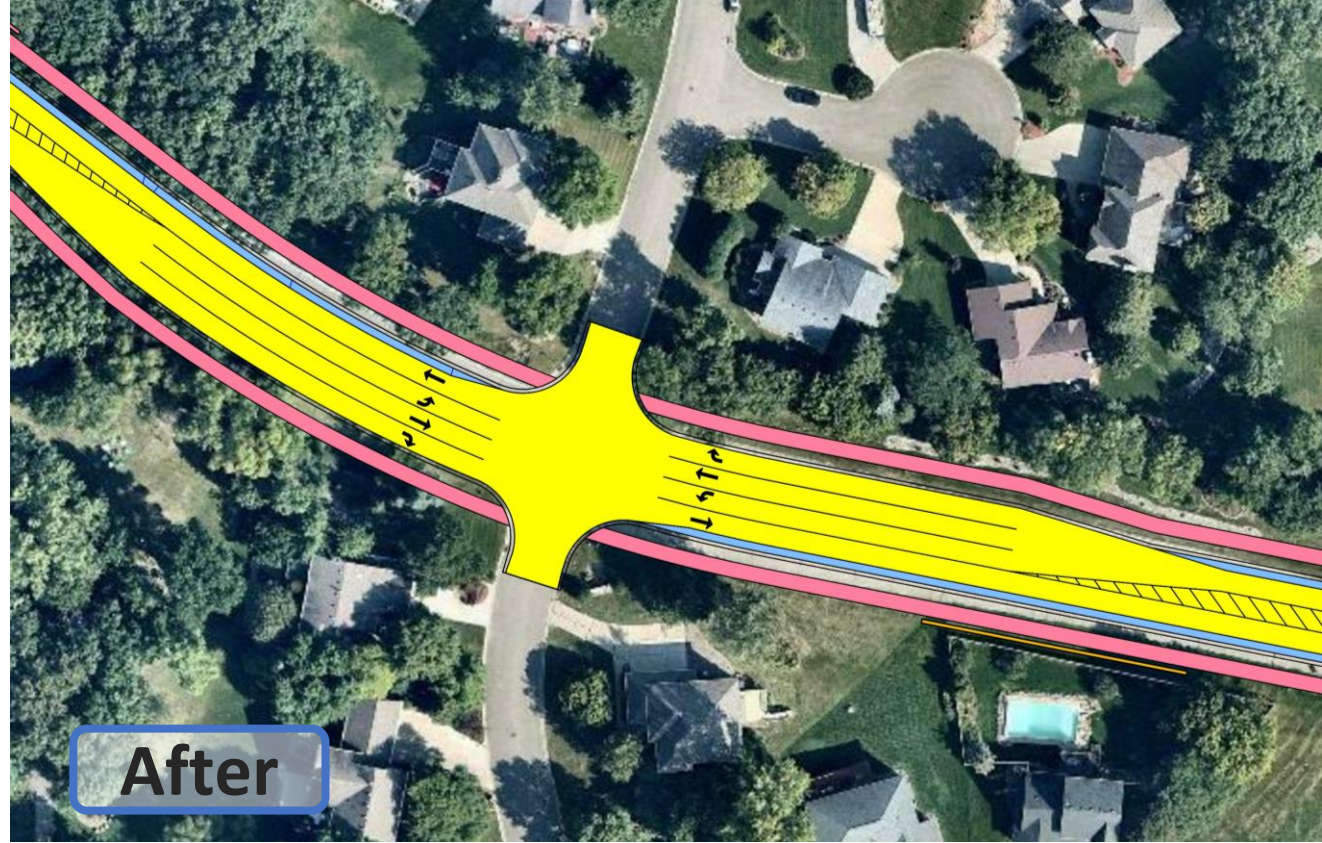
Pedestrian Crossing Treatments



Pedestrian Crossing Treatments

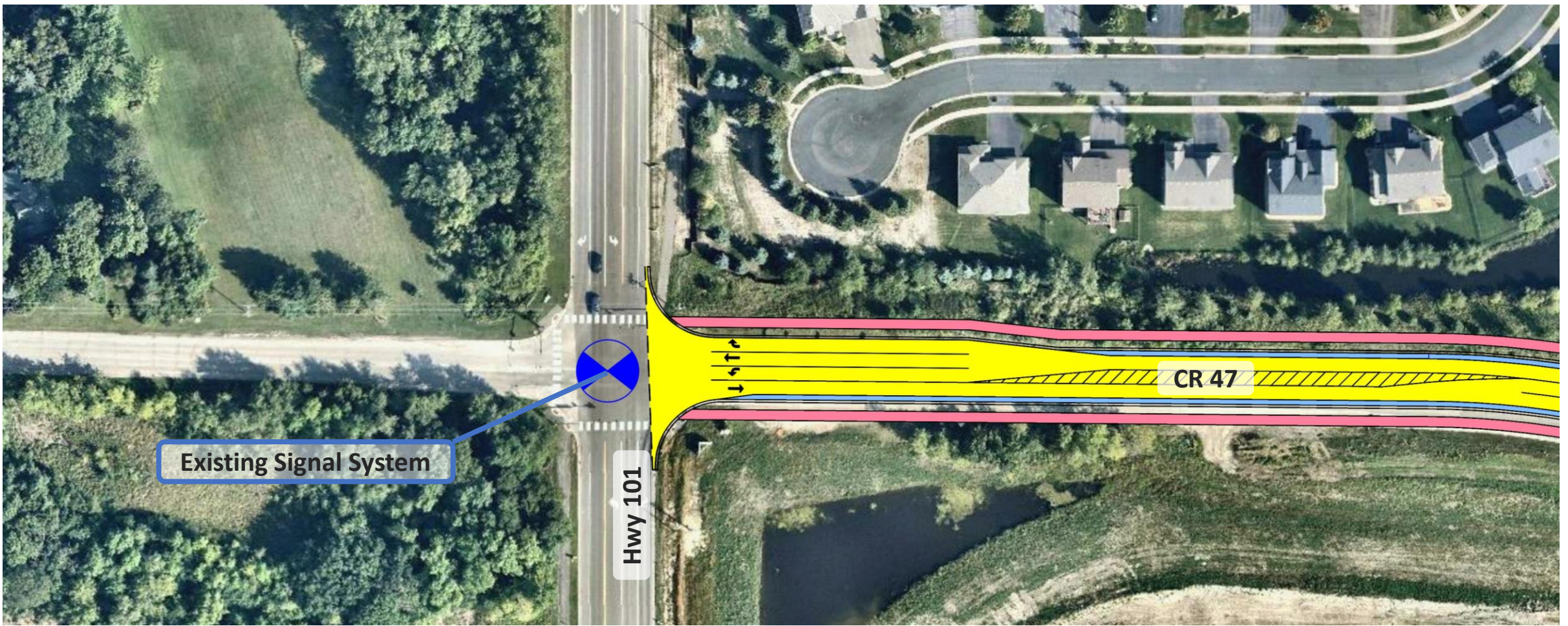
- Located at select unsignalized intersections
- Pedestrian Flasher System
- Crosswalk Markings
- Enhanced Signage





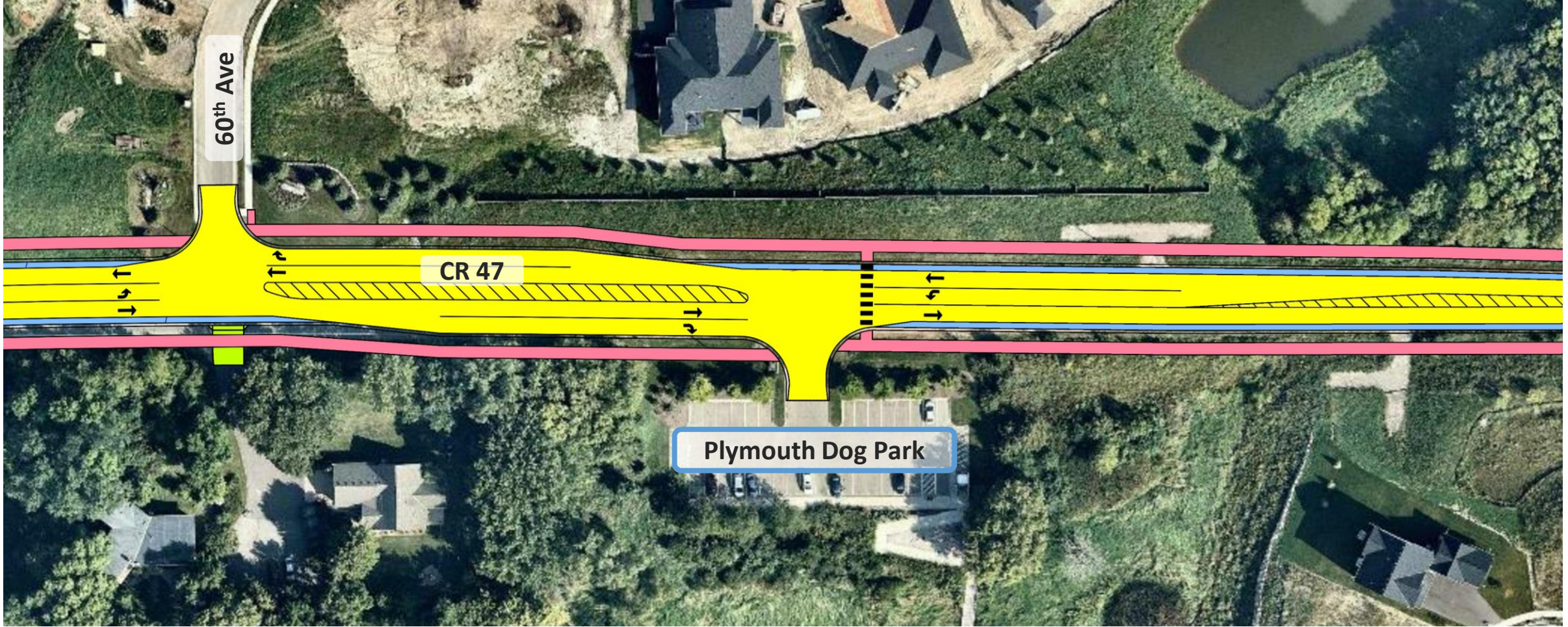
Turn Lane Improvements

Remove by-pass lanes and add right and left turn lanes at all intersections.



Turn Lane Improvements

Add right and left turn lanes on CR 47 at the Brockton Lane/Highway 101 intersection



Turn Lane Improvements

Turn lanes added at Plymouth Dog Park with pedestrian crossing enhancement



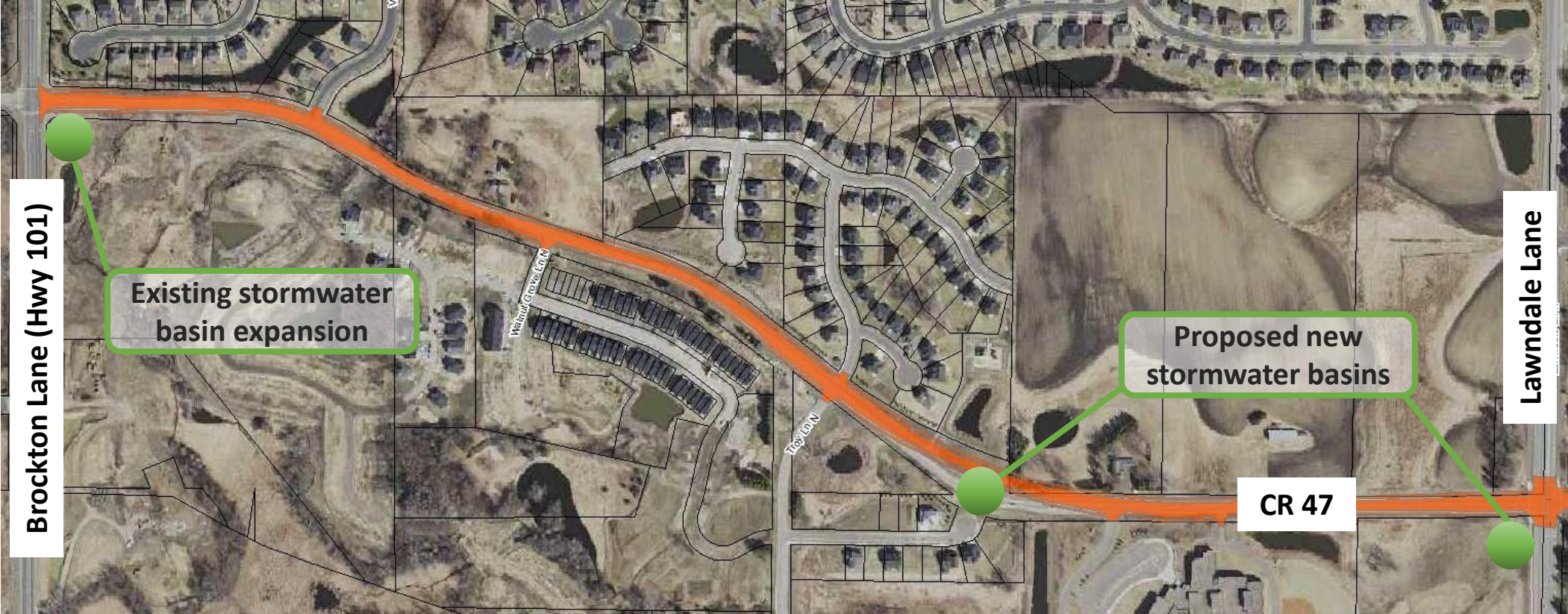
Roadway Geometry Improvements

Increase horizontal curve to meet design speed requirements.

Vertical curve improvements to improve sight distance at intersections

Storm Water Treatment (Phase 1)

Stormwater improvements include new stormwater basins as well as the expansion of existing basins



Process & Schedule



Project Website

www.plymouthmn.gov/CR47



Contains project information, schedules and current progress



Option to sign up for email updates (eNotify)

Email updates will occur:

- On an as needed basis until construction starts
- On a weekly and/or as needed basis once construction starts

Questions or Comments?



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