

Intersection Safety Study Route 54 and Route 642

**Public Meeting No. 2
April 12, 2016**

Sponsored by:
Pennsylvania Department of
Transportation Engineering District 3-0

Route 54 and Route 642 Safety Study

Current Study

→ Study Purpose

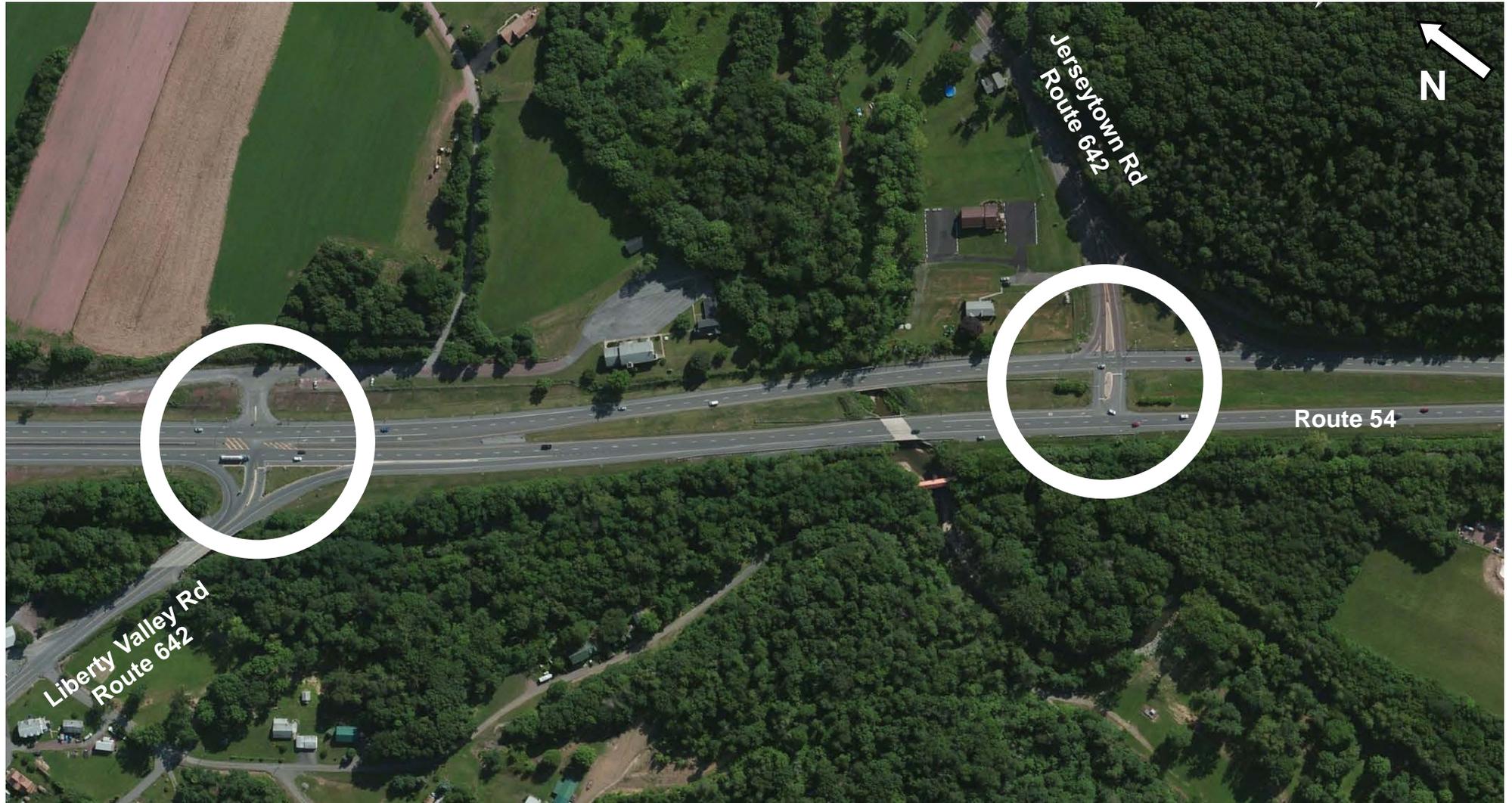
- Identify safety and operational issues at the Route 54 and Route 642 Intersections
 - Route 54 and Liberty Valley Rd (Route 642 West)
 - Route 54 and Jerseytown Rd (Route 642 East)

→ Study Limits

- Liberty Valley Rd and Route 54 Intersection
- Jerseytown Rd and Route 54 Intersection

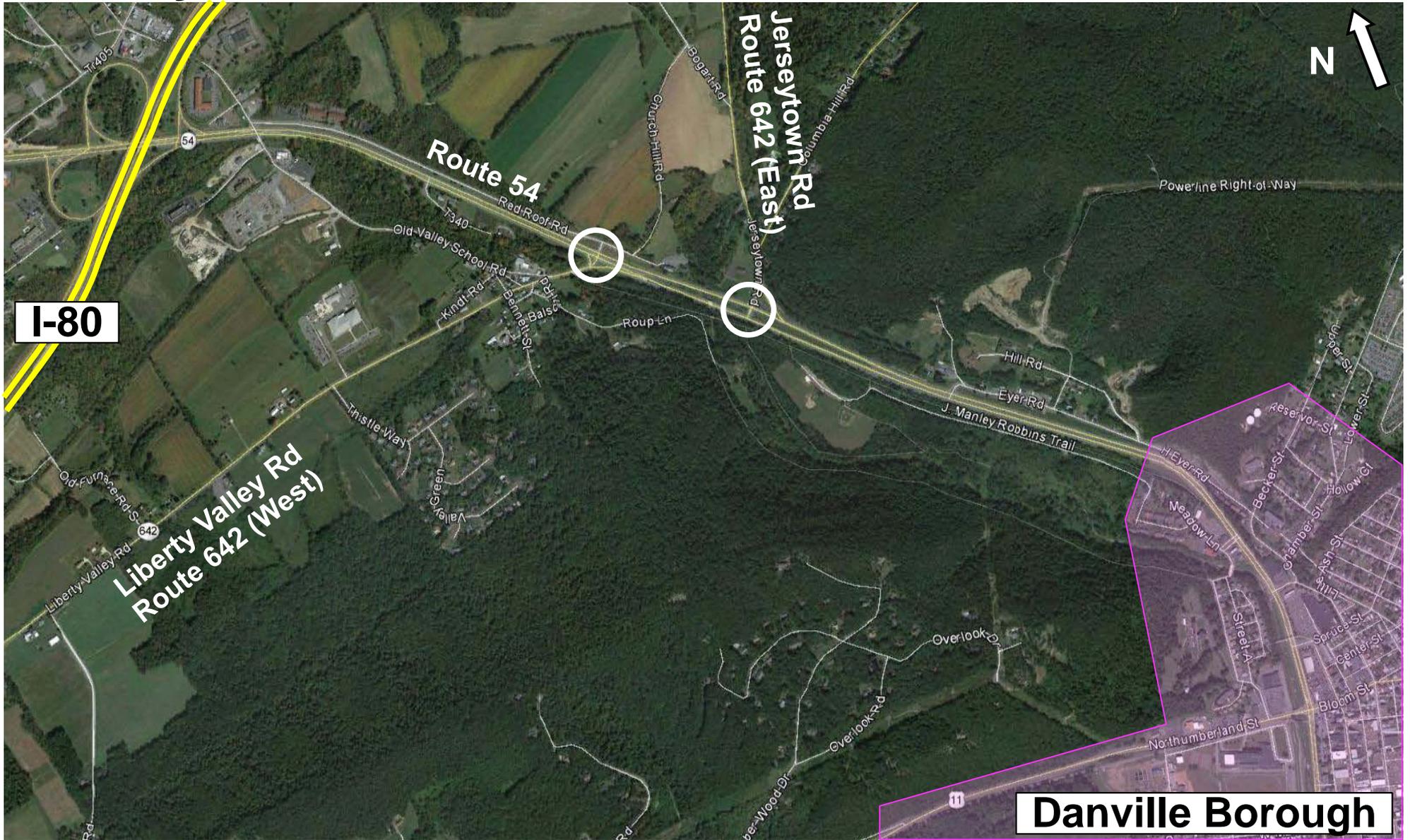
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Study Area Focus Intersections



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Study Area



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Completed Tasks

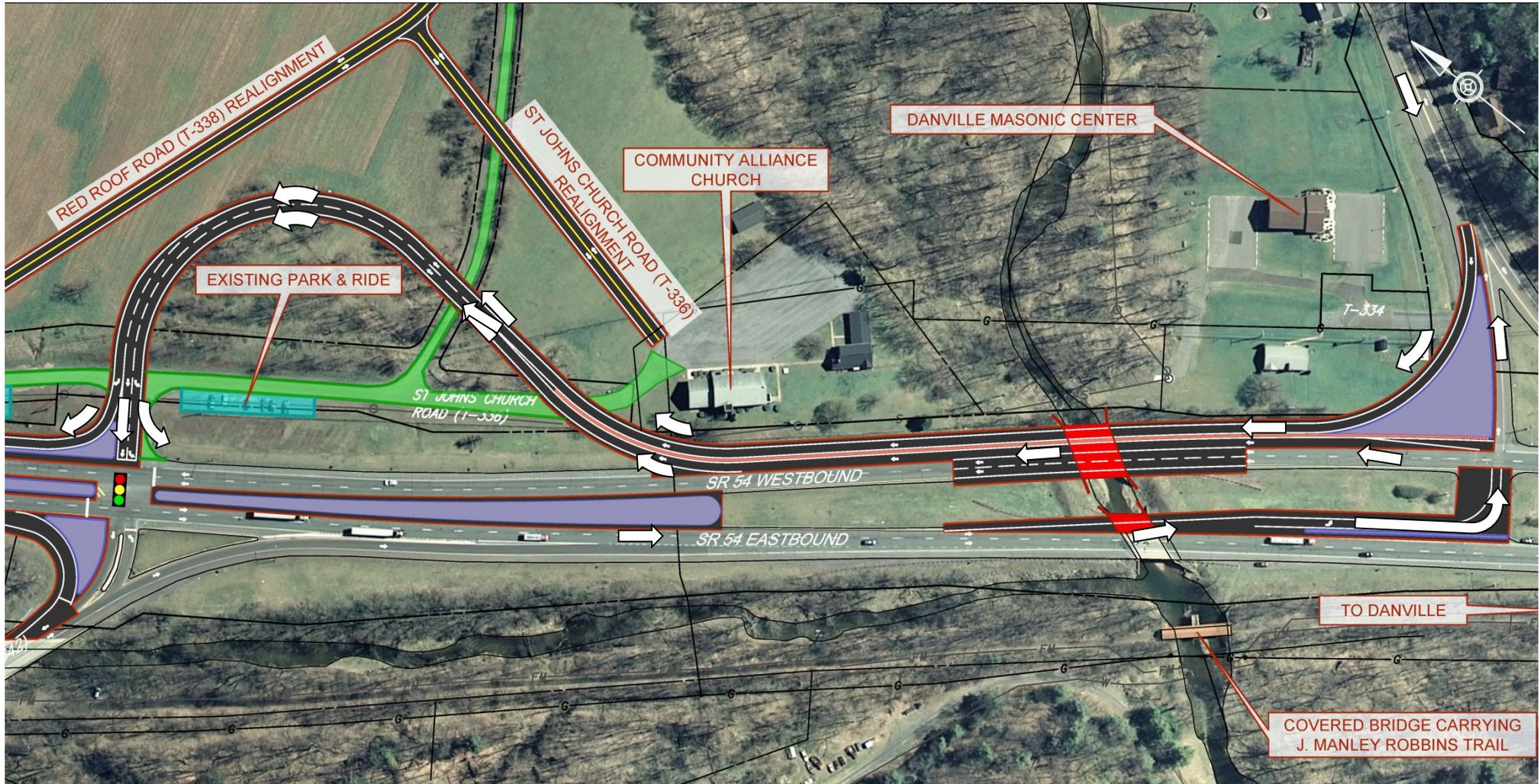
- Traffic data collection
- Traffic analyses
- Road Safety Audit
- Project Meetings
- Preliminary Improvement Alternatives
- Final Improvement Alternatives
 - Jug Handle
 - Continuous Flow Thru Lanes with Signalization
 - Route 642 Realignment with Roundabout

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Jug Handle

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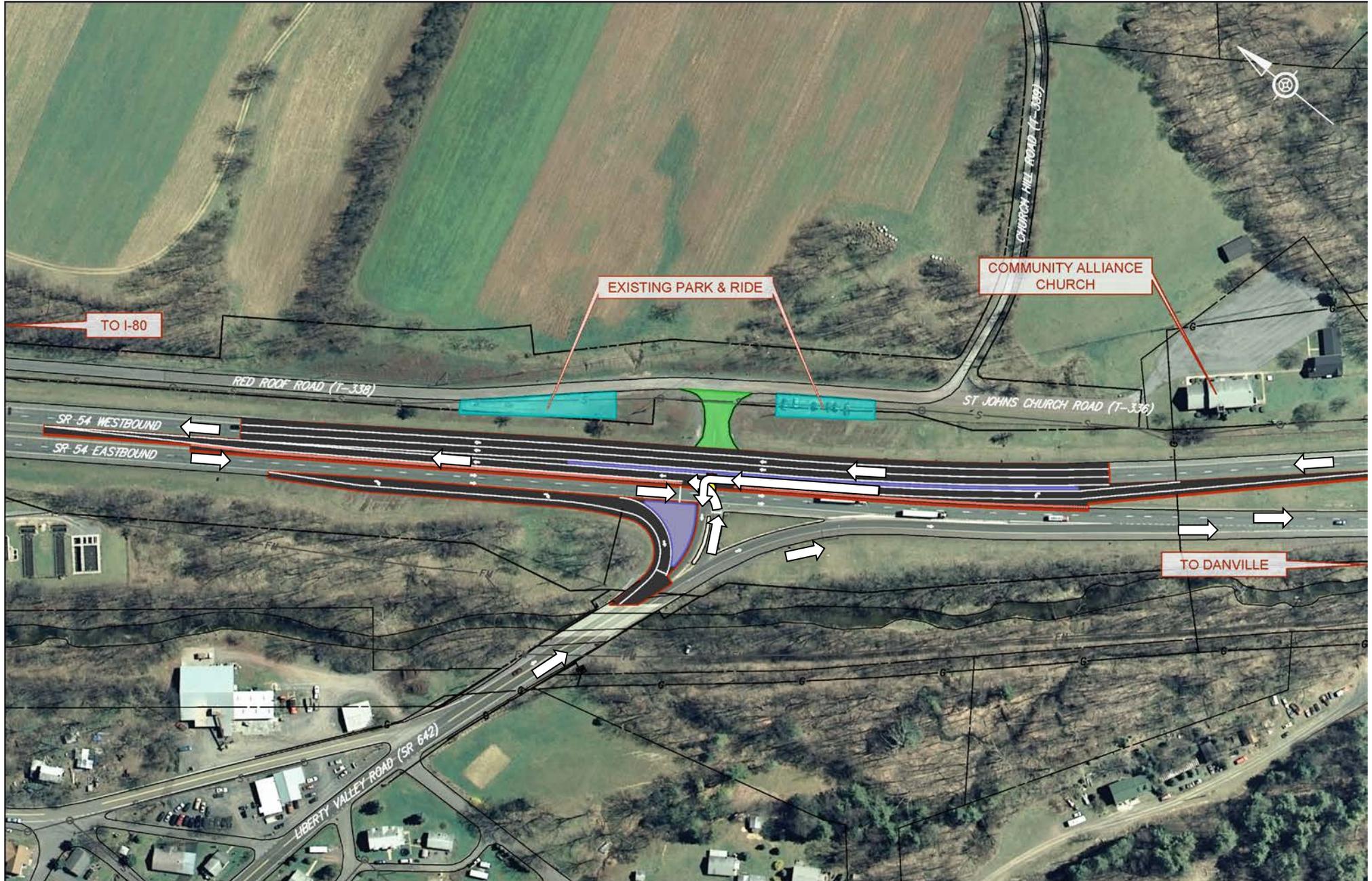
Jug Handle

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Continuous Flow Thru Lanes with Signalization

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Continuous Flow Thru Lanes with Signalization

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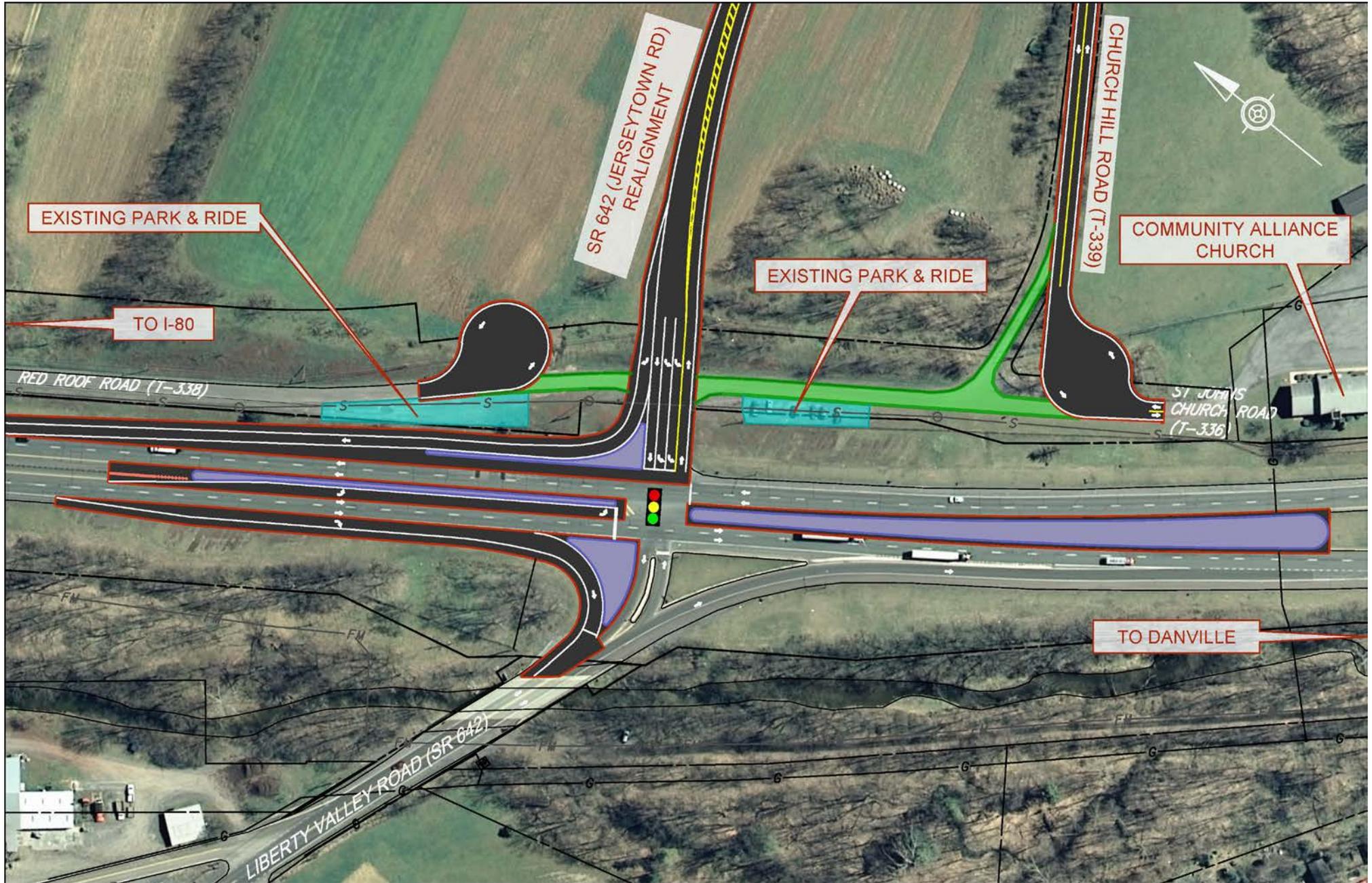
Continuous Flow Thru Lanes with Signalization

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Route 642 Realignment with Roundabout

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Route 642 Realignment with Roundabout

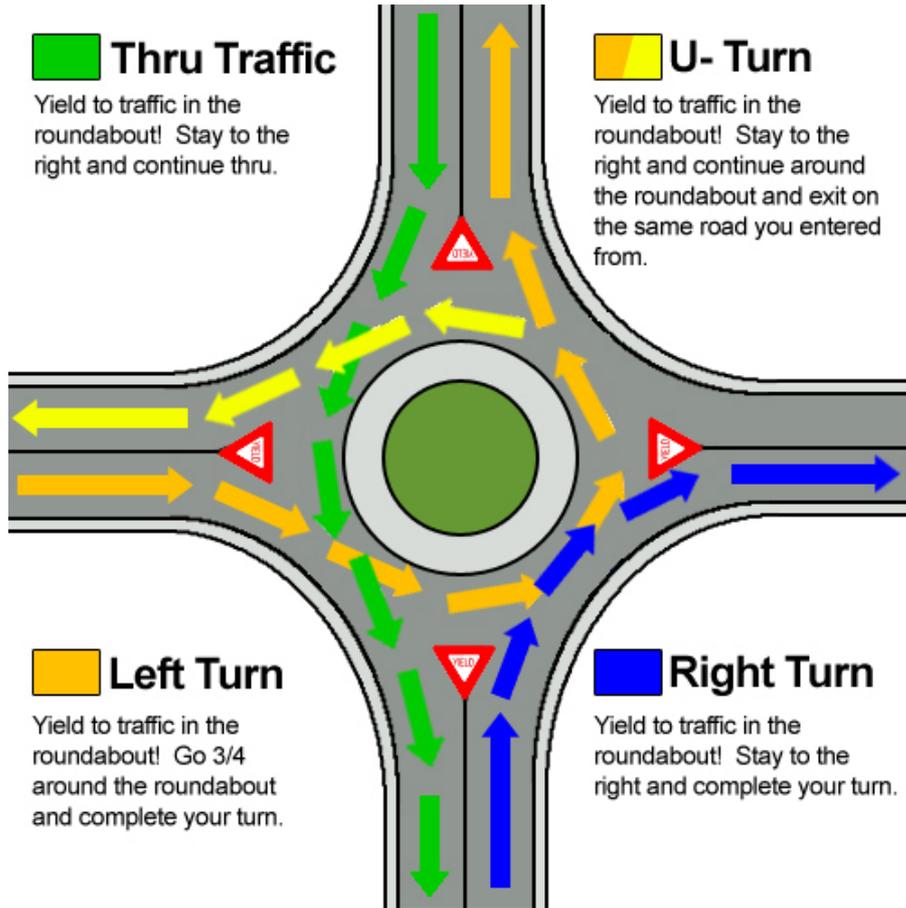
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Route 642 Realignment with Roundabout

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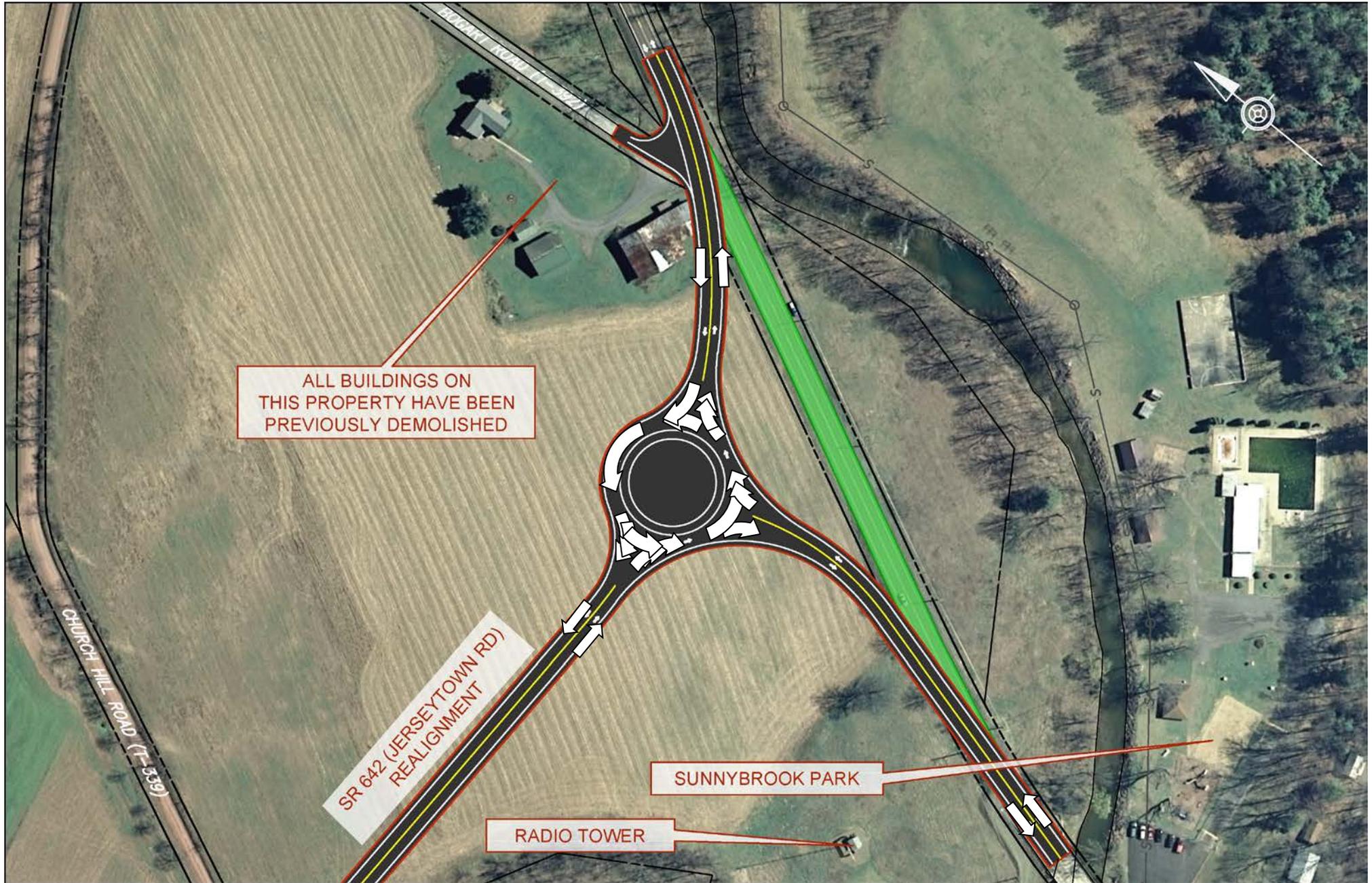
Roundabouts



Key Points of Roundabouts:

- Reduces delays and improves traffic flow
- Traffic moves in a counterclockwise flow within roundabout
- Drivers approaching a roundabout must yield to vehicles already inside the roundabout
- Curvature results in lower speeds within the roundabout
- Reduces serious crash types

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Route 642 Realignment with Roundabout

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Next Steps

- **Present Final Report and Recommended Alternative to PENNDOT (Spring 2016)**
- **Secure Funding and Design Improvements (2017/2018)**
- **Construction of Improvements (2020)**

Route 54 and Route 642 Safety Study

Thank You For Your Time and Participation

Please direct any additional questions or concerns to:
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