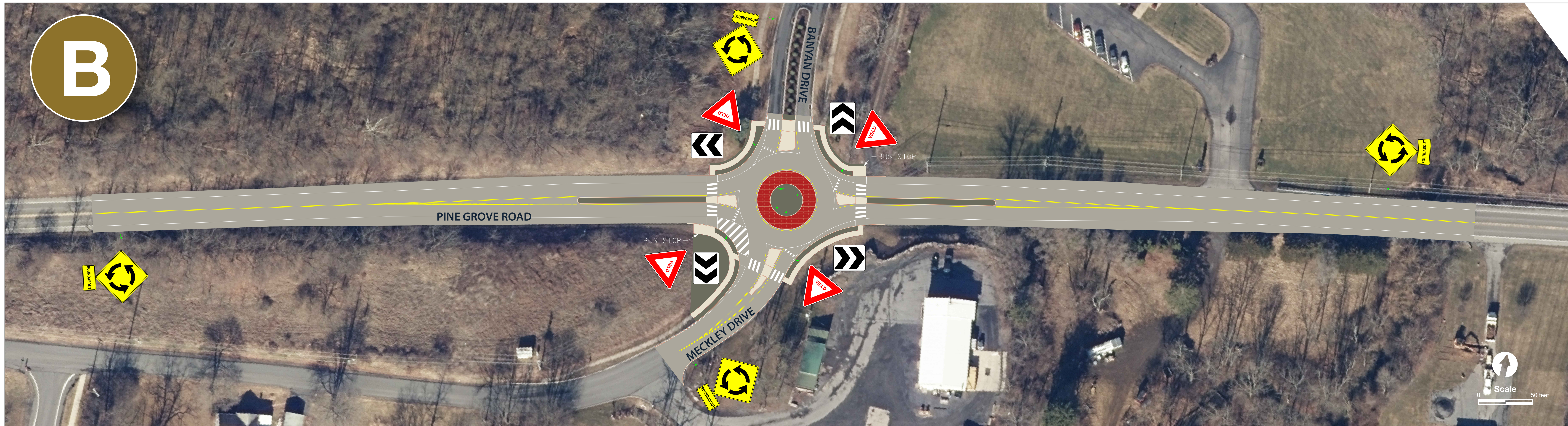




B



Pine Grove Road Eastern Gateway Cross-Section with Green Median (approaching Roundabout)

Description

- Convert intersection to a full-size modern roundabout.
- Add high-visibility pedestrian crossings with overhead lighting across Pine Grove Road, Banyan Drive, and Meckley Road.
- Install a landscaped “green median” on Pine Grove Road with landscaping and signage to create the eastern gateway to Pine Grove Mills.
- Add concrete pads and transit amenities at existing CATA bus stops.

Benefits

- Roundabout has a raised center island, aprons for larger vehicles, and raised concrete entry islands that require low speeds through the roundabout.
- Roundabout accommodates heavy trucks on all approaches.
- Pedestrian crosswalks with high visibility markings, median refuges, and overhead lighting are provided on all approaches.
- Traffic capacity is increased on the Banyan Drive and Meckley Road approaches and would accommodate build-out with the growth boundary.
- Requires minimal right-of-way acquisition.

Challenges

- Roundabout control introduces new delay to vehicles on Pine Grove Road.
- Pedestrian crossings would not be equipped with rapid flashing beacons.
- Higher construction cost than Concept #2 Enhanced Pedestrian Crossings.

