

Virginia's Route 50

Traffic Calming Project

Design Memorandum

February • 2003

4 LANE SECTION

Rural Route 50 widens to four-lanes west of Middleburg. Stakeholders identified the 1.4 mile long four-lane section as a safety concern, where drivers increase speeds in an attempt to pass other drivers before re-entering the two-lane road section. The high speed section is located immediately adjacent to the Middleburg west transition area. The slope, straight alignment and wide cross-section entice drivers to speed up as they approach town, working in opposition to the intent of the transition area and the entrance way feature.

The recommended design restores this section of Route 50 to a two-lane roadway. A portion of the existing eastbound lanes are redesigned to serve as a local access road. The existing westbound lane are realigned to provide eastbound and westbound travel. The meandering alignment is design to self-enforce the 45 mph posted speed in this area.

Design Principles

- Self-enforce Posted Travel Speed
- Increase Safety of Vehicular Travel
- Provide Access to Historic Sites
- Preserve/ Enhance Views
- Maintain the Rolling Terrain
- Improve Shoulder Treatment
- Use Natural/ Traditional Landscaping Materials and Techniques
- Accommodate Agricultural/ Equestrian Transport/ Emergency Vehicles



4 lane section, looking east towards Middleburg

Signage

- Signs associated with Prelude to Gettysburg/Mount Defiance Battlefield Site.

Landscaping Elements

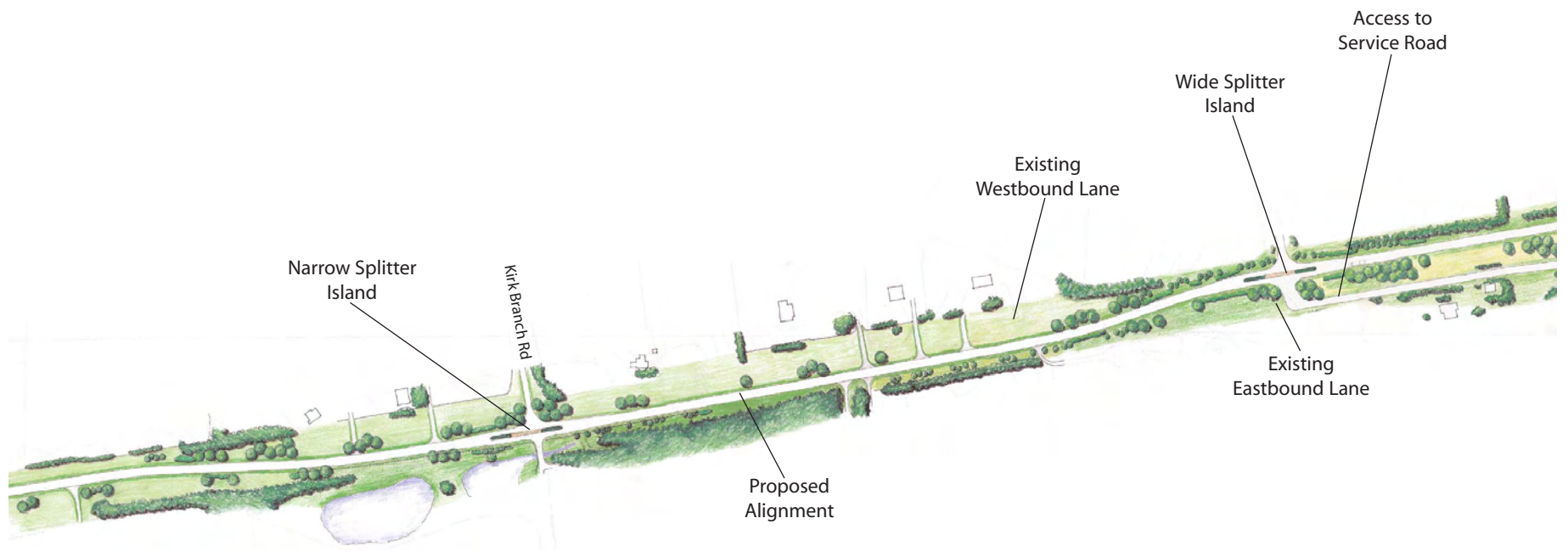
- Will be compatible with the existing landscape.
- Will reflect historic landscaping features.

Geometric Design Elements

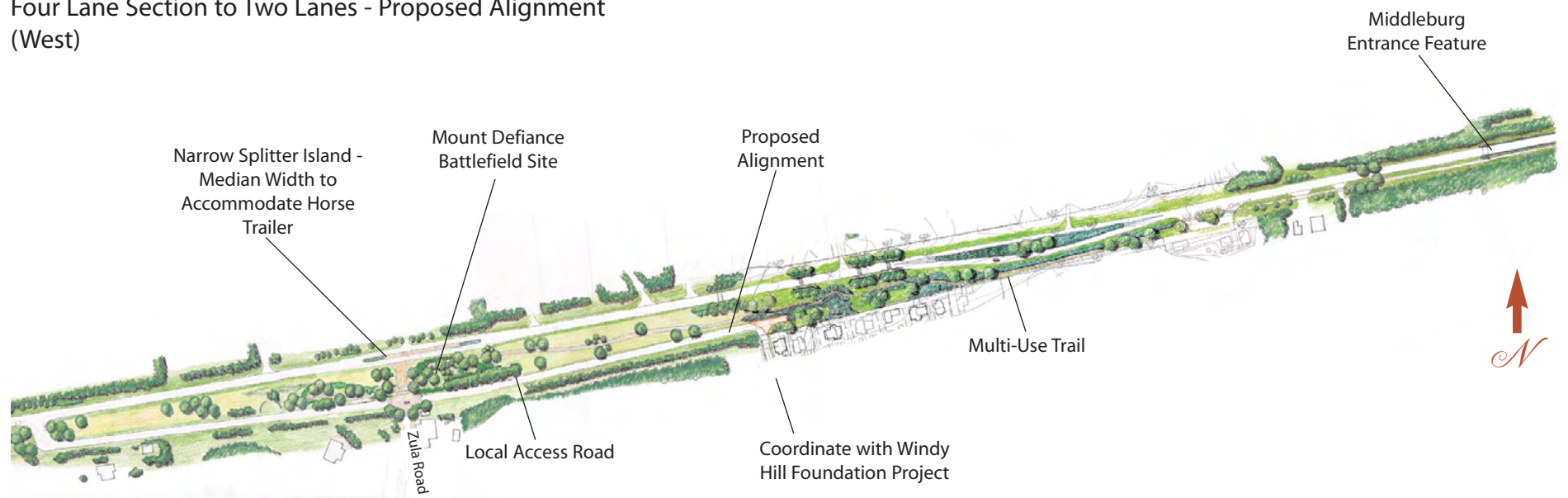
- 50 mph design speed.
- 2 lanes.
- 12 foot wide travel lanes.
- Maintain access to adjacent uses.



CONCEPT SKETCHES



Four Lane Section to Two Lanes - Proposed Alignment (West)



Four Lane Section to Two Lanes - Proposed Alignment (East)

