

## Route 1 Multimodal Improvements Study

### Phase 2 Scope Narrative

The scope of Phase 2 of the Route 1 Multimodal Improvements Study, from 12th Street S to 23rd Street S in Arlington County, further explores the feasibility of an at-grade urban boulevard. The elements of this scope are shown in the updated Phase 2 schedule and include the following tasks:

- **Updating the multimodal transportation analyses from Phase 1.** These analyses will be performed in parallel to the development of TDM strategies and the additional feasibility analyses and design (described below).
  - Collection of new multimodal transportation data—pedestrians, bike, and traffic counts, as well as vehicle travel times, queues, and speeds.
  - The new data will help establish a new baseline that, when combined with the TDM strategy development, will support the updated multimodal transportation analyses for existing conditions, future no build conditions, and future build conditions.
- **Additional feasibility analyses and multimodal street design,** building upon Phase 1, including:
  - Development of a design speed study for existing conditions and proposed Route 1 future conditions to inform the refinement of design of the at-grade option, with the assumed speed limit being 25 mph.
  - Examination of the feasibility of a separate pedestrian crossing (both an underpass and an overpass) of Route 1 at 18th Street S.
  - Concept plans to evaluate the feasibility of interchange alternatives at the I-395/Route 110 Interchange that could slow or reduce traffic on Route 1 and, in concert with updated multimodal transportation analyses, improve conditions for the future urban boulevard.
  - Planning-level feasibility study for relocating the bus bays currently located on 18th Street S underneath the Route 1 overpass to accommodate a potential at-grade Route 1/18th Street intersection and to accommodate the transit service providers and passengers.
  - Conceptual designs to evaluate the feasibility of multimodal improvements at 23rd Street.
  - Refinement of design for At-Grade Option 3 from Phase 1, including streetscape elements between building facades and the back of curb.
- **Development of travel demand management (TDM) strategies** to reduce vehicular trips through the study area:
  - This task will include an assessment of existing TDM strategies in Arlington County and in the region. This baselining effort will help establish targets for shifts to other modes such as a bus, rail, biking, walking, scooter, or even telecommuting.
  - Assuming further reductions in vehicular volumes will be needed, the study team will develop potential additional TDM strategies, working with Arlington County, the Virginia Department of Rail and Public Transportation, and regional transit agencies. These additional strategies will be refined, and an implementation plan will be developed.

- The combined baseline and additional TDM strategies with targeted mode shifts will lead to a refinement of multimodal travel forecasts, which will be incorporated into the updated multimodal transportation analyses.

The deliverables that will result from these tasks will be the speed study, concepts for a grade-separated crossing at 18th Street, a refined overall concept design for the corridor, an updated cost estimate, other required VDOT documentation, and a draft and final Phase 2 report.

As these tasks progress, the VDOT study team will meet with agencies such as Arlington County, WMATA, and the Transportation Planning Board. The team will also meet with stakeholders, such as civic associations, Livability 22202, and the National Landing BID.

It is anticipated that Phase 2 of the Route 1 study will include four public information meetings (PIMs) with virtual formats (similar to the formats during Phase 1), including a workshop type format to discuss design ideas. In person meetings may be considered if post-pandemic conditions allow.

# Phase 2 Study Process and Schedule

