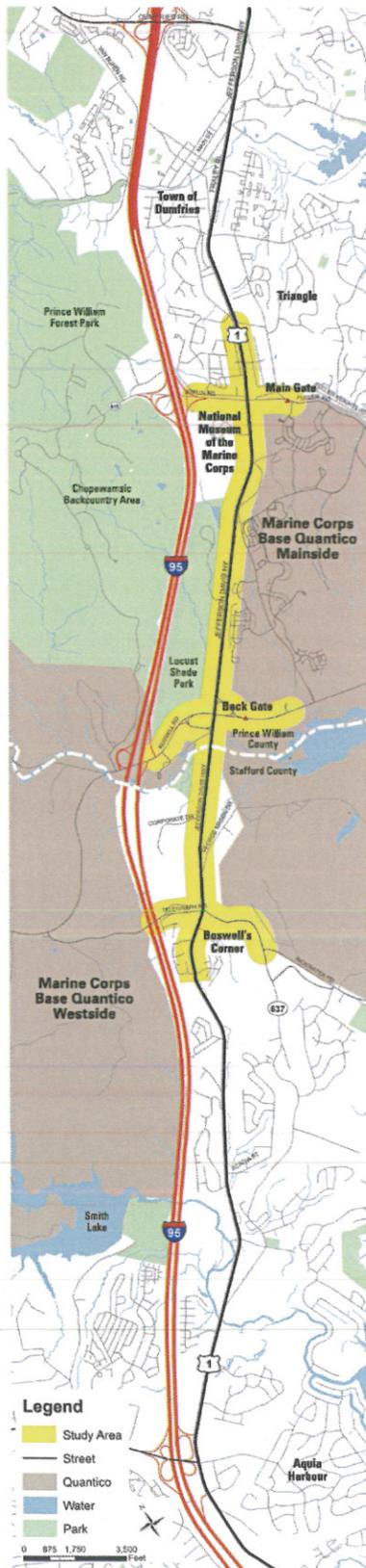


# Route 1: About This Project

## Study Area



## Outcomes

- Identify transportation needs (current and future)
- Analyze modification options (interim and future) for Route 1
- Evaluate impacts of modifications to Route 1 in the study area
- Prepare conceptual corridor improvement plans and a feasibility study for Route 1 (interim and future)

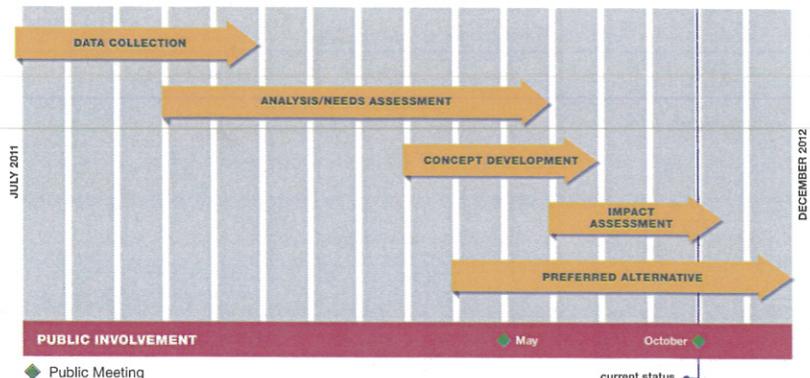
## Background

- Continued population and employment growth in Stafford and Prince William Counties and the surrounding metropolitan area is increasing traffic on Route 1
- Growth in activity at Marine Corps Base Quantico has increased traffic on Route 1
- Capacity limitations, existing congestion, and incidents along I-95 cause diversion to Route 1 and create congestion
- Safety and operational issues created by the physical configuration of Route 1 need to be addressed

## Objectives

- Support adopted local and regional plans by improving the Route 1 corridor
- Efficiently facilitate the movement of peak-hour traffic flows to, from, and along Route 1
- Reduce peak-hour traffic congestion and its effects on adjacent facilities by making improvements at key locations along Route 1
- Improve safety on roadways in the study area
- Accommodate future travel demand in the study area
- Support national defense and national capital mobility needs by improving transportation conditions along Route 1

## Schedule



# Route 1: Related Projects

## Prince William County Long-Range Transportation Plan

### Route 1 Widening

- Widen from 4 to 6 lanes
- Multiuse trail

Status: Proposed in February 2010. Transportation Plan for horizon year 2030

### Route 1 and Joplin Road/Fuller Road Intersection

- Construct grade separated roundabout over Route 1

Status: Proposed in February 2010. Transportation Plan for horizon year 2030

## Virginia Megaprojects

### I-95 Express Lanes

- Construct two new reversible HOT lanes from north of Joplin Road to Garrisonville Road

Status: Estimated opening 2015

## Defense Access Roads (DAR) Program

### Russell Road Improvements (Draft Recommendations For 2030)

- Signalize intersections of Route 1 ramp termini and Russell Road
- Reconfigure intersection of Route 1 northbound ramp termini and Russell Road
- Widen I-95 off-ramps to Russell Road and extend I-95 northbound on-ramp acceleration lane

Status: Draft report August by 2011

### Telegraph Road Intersection Improvements

- Improve the Route 1 and Telegraph Road Intersection
- Add turn lanes on Telegraph Road

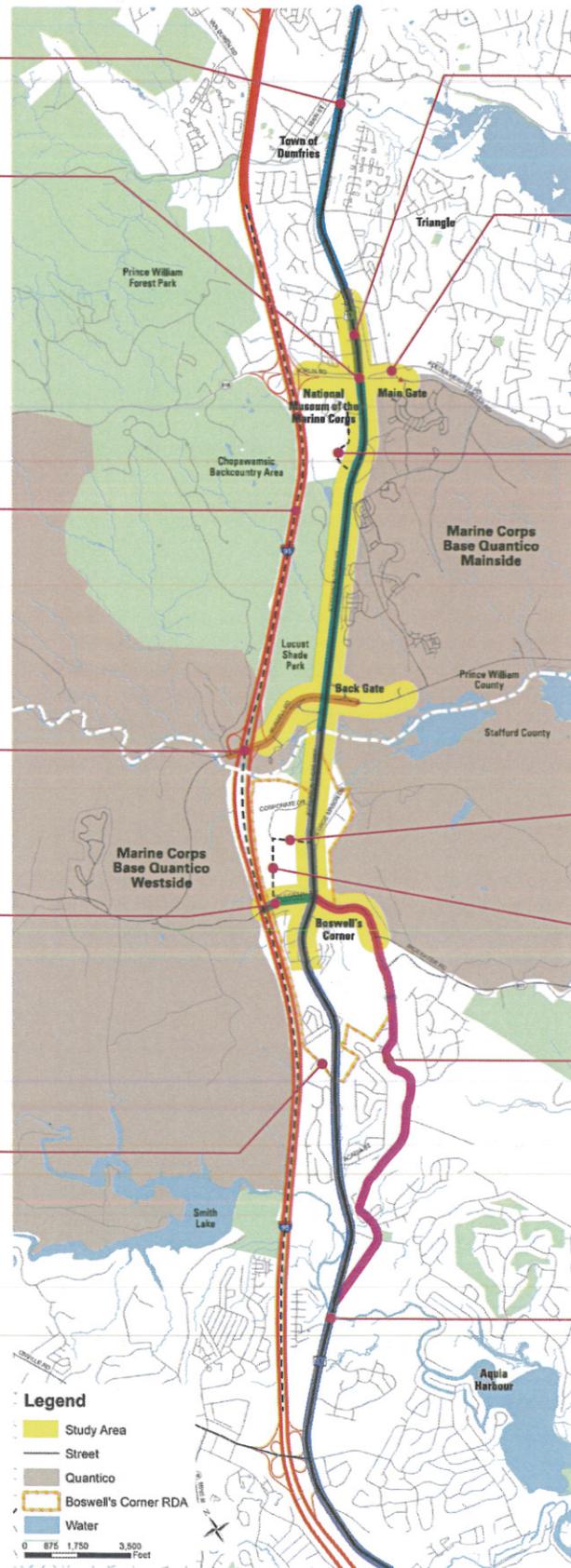
Status: Estimated opening 2013

## Stafford County Master Redevelopment Plan

### Boswell's Corner Redevelopment Area

- Widen Telegraph Road to 4 lanes with a bicycle lane and on-street parking
- Add landscaped areas, sidewalks, and trails on Route 1

Status: Adopted July 2011 in Master Redevelopment Plan



## Prince William County 2012-2017 Capital Improvement Program

### Route 1 Improvements from Joplin Road to Brady's Hill Road

- Convert from 4 to 6 lanes
- Construct sidewalk and multi-use trail
- Add additional turn lanes at intersection of Route 1 and Joplin Road

Status: Construction completed Summer 2012

### Fuller Road/Fuller Heights Road Intersection Improvements

- Relocate Fuller Heights Road to the east
- Provide additional westbound lane on Fuller Road
- Construct roundabout at Fuller Heights Road and Old Triangle Road

Status: Design approved

## Marine Corps Base Quantico

### Heritage Center Parkway

- Construct new access route to the Marine Corps Heritage Center from Route 1 south of existing entrance
- Reconfigure existing access point to Route 1

Status: Estimated opening 2016

### Base Activities

- 5,000 new personnel relocating to MCBQ Westside due to BRAC by 2011
- Expansion of the Marine Corps Heritage Center including a hotel and conference center

## Stafford County Transportation Plan

### Corporate Drive Extension to Route 1

- Extend Corporate Drive east to Route 1
- Realign George Mason Drive to intersect Route 1 opposite to Corporate Drive extended

Status: Proposed in 2010. Comprehensive Plan for horizon year 2030

### Corporate Drive Extension To Telegraph Road

- Extend Corporate Drive south to Telegraph Road
- Construct turn lanes on Corporate Drive and Telegraph Road

Status: Design in Progress

### Telegraph Road Spot Improvements

- Upgrade to standard two-lane, undivided facility with paved shoulders

Status: Included in 2012 to 2017 Capital Improvement Program, estimated opening 2016

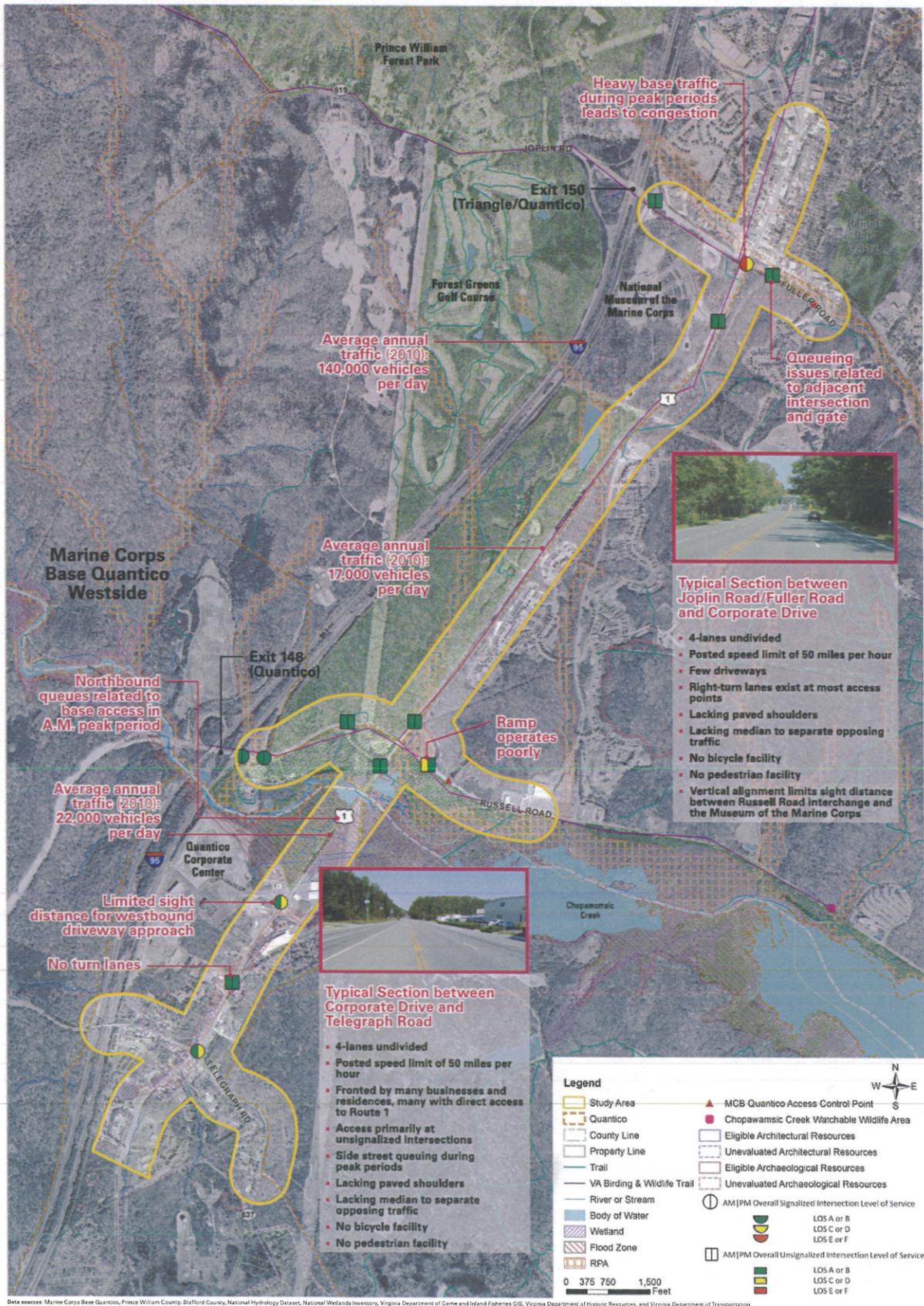
## 2035 FAMPO Constrained Long-Range Transportation Plan

### Route 1 Widening

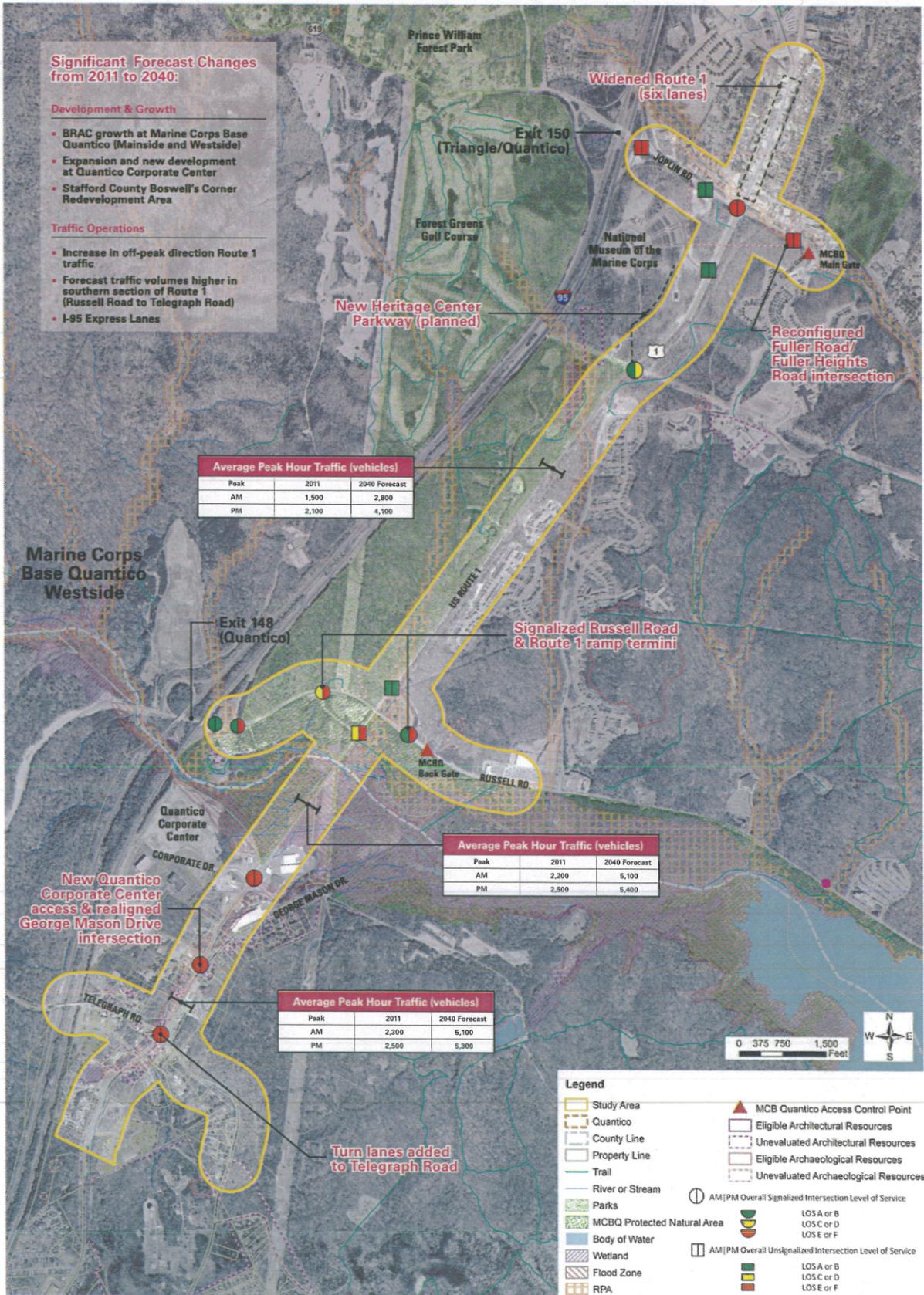
- Widen Route 1 from 4 to 6 lanes from Prince William County Line to US 17

Status: Partially funded for completion by 2020

# Route 1: Existing Conditions

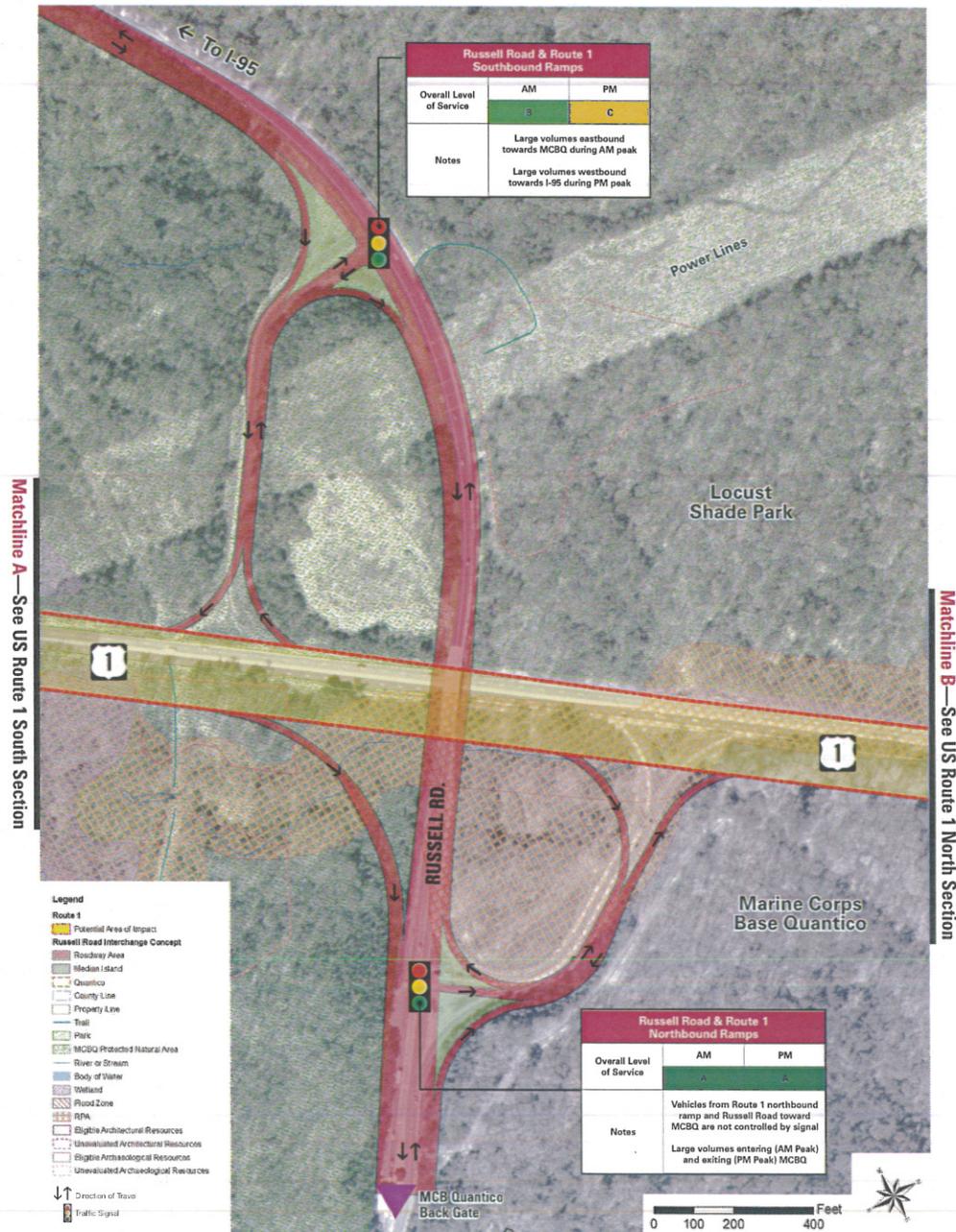


# Route 1: 2040 No-Build Conditions



Data sources: Marine Corps Base Quantico, Prince William County, Stafford County, National Hydrology Dataset, National Wetlands Inventory, Virginia Department of Game and Inland Fisheries GIS, Virginia Department of Historic Resources, and Virginia Department of Transportation

# Russell Road—Alternative 1 (Concept A)



## Features

- Russell Road widened to 6 lanes
- New ramp for NB Route 1 to eastbound Russell Road
- Two signals on Russell Road, east and west of Route 1
- No signals on US 1
- Minimizes impact in the southeast quadrant

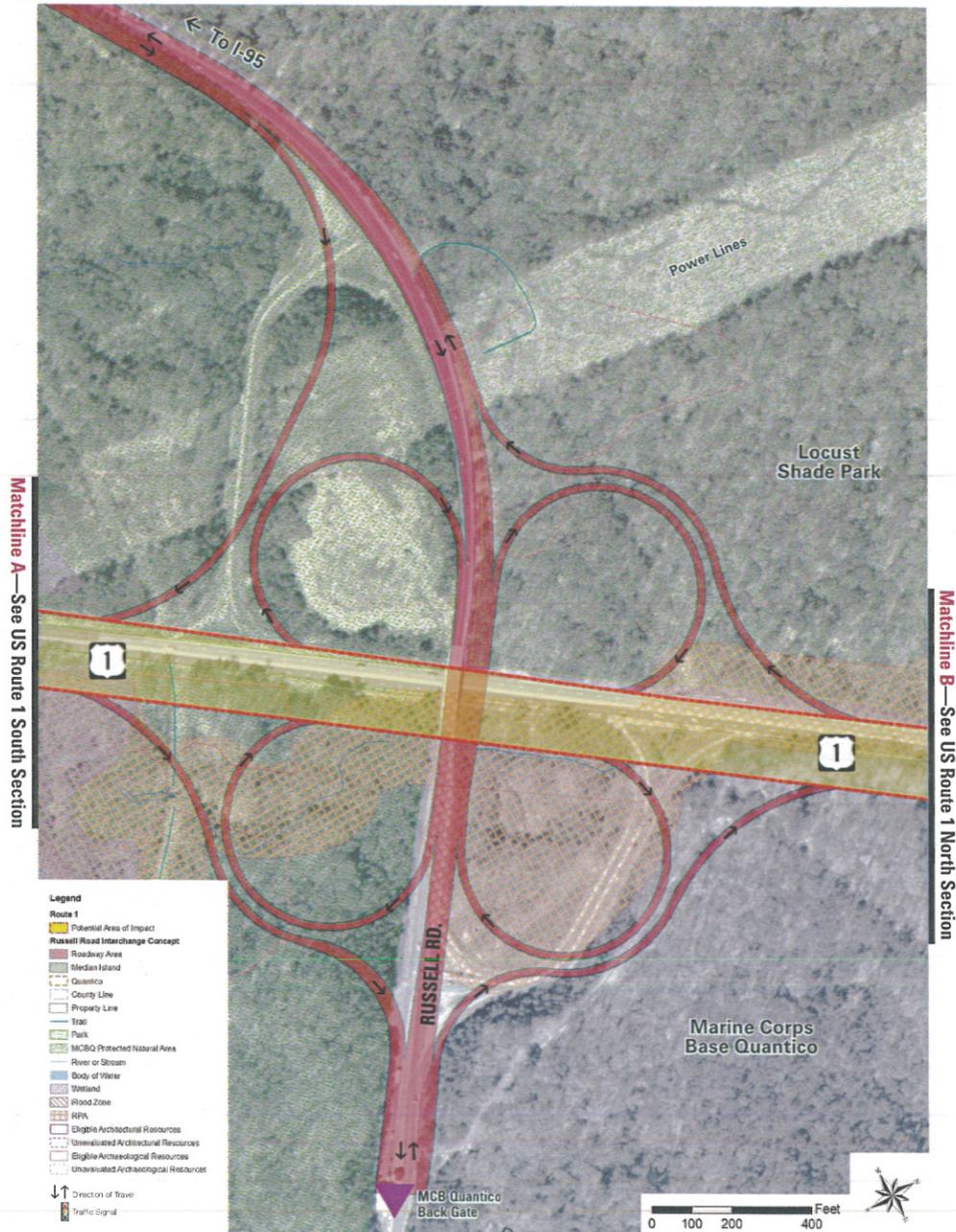
## Potential Environmental Impact

- Wetland
- Stream
- Flood plain
- MCB Quantico property
- Potential cultural resources
- Archeological

## Operations Notes

- US 1 operates acceptably at all ramp junctions

# Russell Road—Alternative 2 (Concept E)



## Features

- Full cloverleaf
- Utilizes existing Russell Road centerline
- No signals or left-turn conflicts

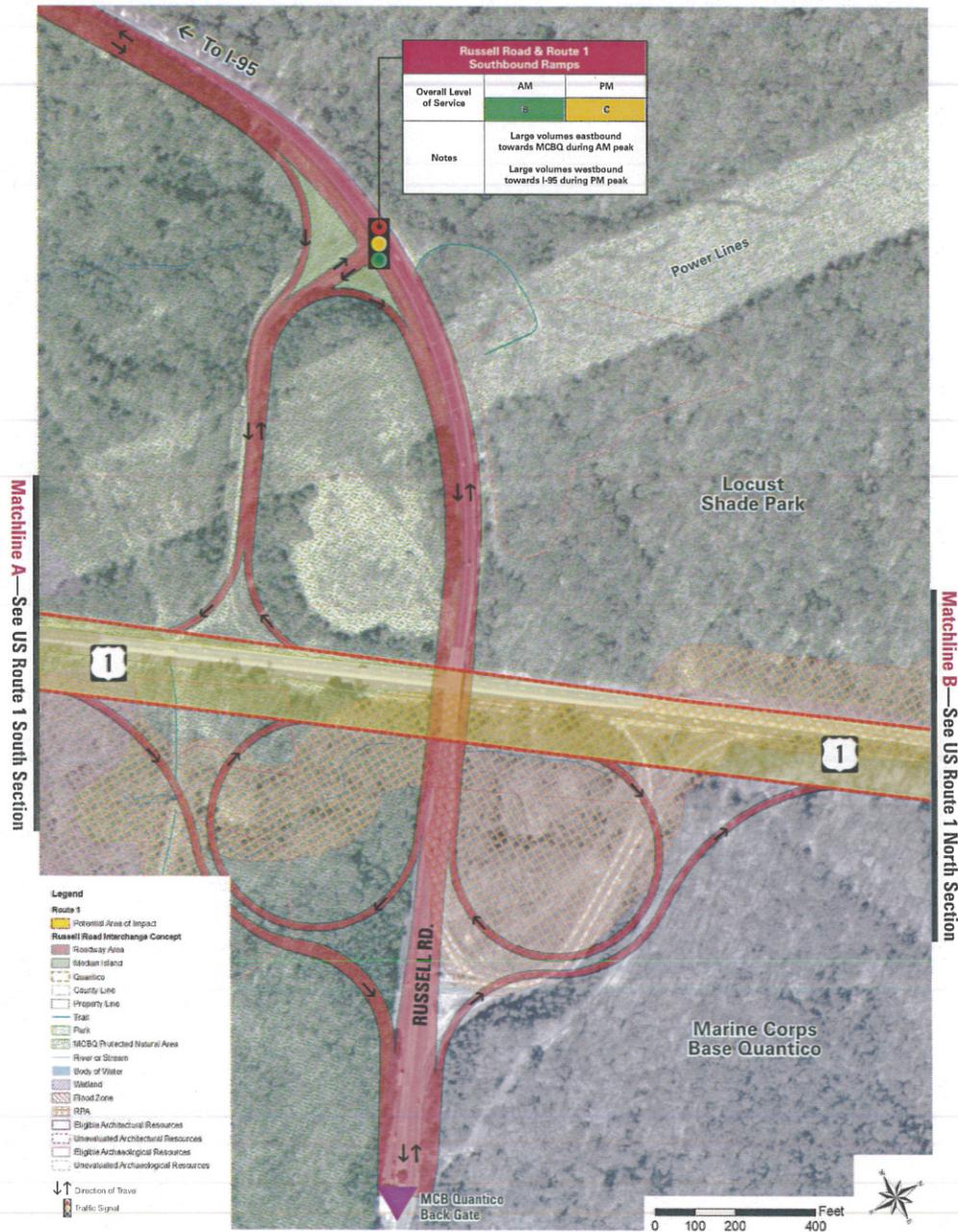
## Potential Environmental Impact

- Locust Shade Park
- Wetland and stream crossings
- MCB Quantico property
- Floodplain
- Potential cultural resources
- Archeological

## Operations Notes

- US 1 operates acceptably at all ramp junctions
- Free-flow operations on US 1 and Russell Road

# Russell Road—Alternative 3 (Concept G)



## Features

- Partial cloverleaf
- Merges Concepts A & E
- One signalized intersection on Russell Road west of Route 1
- No signals on US 1
- Remove one traffic signal on Russell Road

## Potential Environmental Impact

- Wetland
- Stream
- MCB Quantico property
- Floodplain
- Potential cultural resources
- Archeological

## Operations Notes

- US 1 operates acceptably at all ramp junctions