Marine Corps Base Quantico

Russell Road Widening – Phase 2

Quantico, Virginia

Submitted by the United States Department of Defense, Department of the Navy

Preliminary and Final Site Development and Building Plans

Web Posting
Commission meeting date: May 2, 2013


Applicant request: Preliminary and final approval of site development and building plans

Delegated / consent / open / executive session: Consent Calendar

NCPC Review Officer: Michael Weil

NCPC File number: 7467

Project summary:
The United States Department of Defense proposes to widen Russell Road from two to four lanes, for a distance of approximately 2,600 linear feet, between the existing Marine Corps Federal Credit Union building (Building #3000) and the Davis Building (#3300). The project is Phase 2 of a potential three-phase project (Phase 3 is currently unfunded) to help mitigate existing MCBQ traffic congestion and lessen traffic queues along I-95 by fully widening Russell Road between its Access Control Point (ACP) and Dunlap Circle, which is the beginning of the Main Side’s “downtown” area. Russell Road serves as one of two roadways that connect the MCBQ “downtown” area to the I-95/Route 1 Corridor. The Phase 1 Russell Road widening, between the ACP and Credit Union Building, was previously approved by the Commission in 2008, and the related Purvis Road (Purvis Road/Russell Road intersection) re-alignment was approved by the Commission in April, 2011. The current project will widen a segment of Russell Road, construct four curbside transit vehicle “pull offs”, add 26 parking spaces to the Navy Exchange lot (at the abandoned Purvis Road entrance), add several crosswalks, add necessary traffic/pedestrian signaling devices, construct necessary retaining walls and culverts, install required lane markings to accommodate the new roadway geometry/traffic flow patterns, and construct several turn-only lanes.

Overall, the project will result in a net increase of 26 parking spaces, require the removal of 300-450 trees, and increase impervious surface from 3.13 (35%) to 4.88 (55%) acres within the project area. However, the additional parking will be used to off-set future parking lost by a planned expansion of the Navy Exchange (NEX) Building and used as shared parking by the other nearby commercial uses. In addition, the proposed project has several other benefits including: use as a shared vehicular/bicycle route (as identified in the MCBQ Master Plan Update currently under development), provision of several transit “pull-off” stop areas, provision of an eight-foot shoulder to accommodate a running/recreational/bicycle trail, and reduction of existing traffic congestion since the project will extend the wider Russell Road 4-lane cross-section to just past the Davis Building, which houses 600+ personnel.
**Project Location**

- **Project Location**: Potomac River
- **NEX CDC Phase 2 Russell Road widening (May)**
- **New consolidated elementary school (April)**
- **New residential & dining buildings (June)**
- **Marine Corps University Redevelopment (May)**

Map showing locations of various projects.
Project Context

Potomac River

NEX Phase 2 widening
Town of Quantico / MCBQ Main Side “downtown”

Chopawamsic Creek

Phase 1 re-alignment (2011)
previous Phase 1 widening (2008)

potential future Phase 3 widening (TBD)

MCBQ residential

4-lanes

I-95
Route 1

Fuller Road
2-lanes

Russell Road

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Project Plans

26 new parking spaces

ew curb-line

transit vehicle pull-offs

Phase 1 realignment (2011)
Project Plans

- New crosswalk
- New culvert
- New 6-10' retaining wall
- New lane markings
- New striping

Location:
- Purvis Road
- Russell Road
- Chopawamsic Creek
- NEX
- CDC
- Credit union
- "Downtown" Main Side

**Note:** The image contains a map with marked locations and project plans, indicating the areas for new infrastructure developments.
Project Plans

Chopawamsic Creek

new sidewalk/trail

painting median

Main Side Building

credit union

NEX CDC

Russell Road
Project Plans

Chopawamsic Creek

- NEX
- CDC
- credit union
- Davis Building
- “downtown” Main Side
- Russell Road

Map highlights:
- new sidewalk/trail
- merge warning lane
- painted median
- transit vehicle pull-off
Project Plans

Chopawamsic Creek

Davis Building entrance

Main Side

Davis Building

“downtown” Main Side

transit vehicle pull-off

new crosswalks

painted shoulder

transit vehicle pull-off

median/shoulder

cred union

Google earth

NEX

CDC

Russell Road

Chopawamsic Creek

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