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Mt Vernon Hwy/Johnson Ferry Road Intersection Improvements Project Description and Alternatives

Project Description

The purpose of the project is to enhance safety, improve operational efficiency, reduce traffic accidents and congestion delays at the intersection. The current configuration results in multiple turning movements, side-street spillover, insufficient turning lane capacity, and excessive congestion.

The project will add continuous sidewalks and/or multi-use paths along the Johnson Ferry Road and Mt. Vernon Highway corridors, improving pedestrian and bicycle movement in this area.

Grid Alternatives

Full Grid

Both Mt Vernon Highway and Johnson Ferry Road will include eastbound and westbound lanes that transition to a left turn lane at the intersections. Due to safety and operational issues, southbound left turns from Roswell Road onto Mt Vernon Highway will not be permitted, nor will northbound right turns from Roswell Road to Johnson Ferry Road. Ten-foot wide multi-use paths are proposed on the inside shoulders of the roads, and six-foot-wide sidewalks are proposed on the outside shoulders. This alternative adds a new north-south connector road east of the library to move vehicles between Mt Vernon Highway and Johnson Ferry Road. Signals are anticipated at both ends of the proposed connector road on the east side of the project. Pedestrian lighting and a 2.5 acre park are included.

Compressed Grid

Both Mt Vernon Highway and Johnson Ferry Road will consist of an eastbound and westbound lane in each direction and a center two-way left-turn lane that transitions to a left turn lane at intersections. Due to safety and operational issues, southbound left turns from Roswell Road onto Mt Vernon Highway will not be permitted, nor will northbound right turns from Roswell Road to Johnson Ferry Road. Ten-foot-wide multi-use paths are proposed on the inside shoulders of the roads, and six-foot-wide sidewalks are proposed on the outside shoulders. This alternative adds a new north-south connector road east of the library to move vehicles between Mt Vernon Highway and Johnson Ferry Road. Signals are anticipated at both ends of



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the proposed connector road. Different from the full grid, this alternative reduces the overall project footprint but increases the angle of sight for vehicles turning from Boylston Drive onto Mount Vernon Highway/Johnson Ferry Road. Pedestrian lighting and a one-acre park are included.