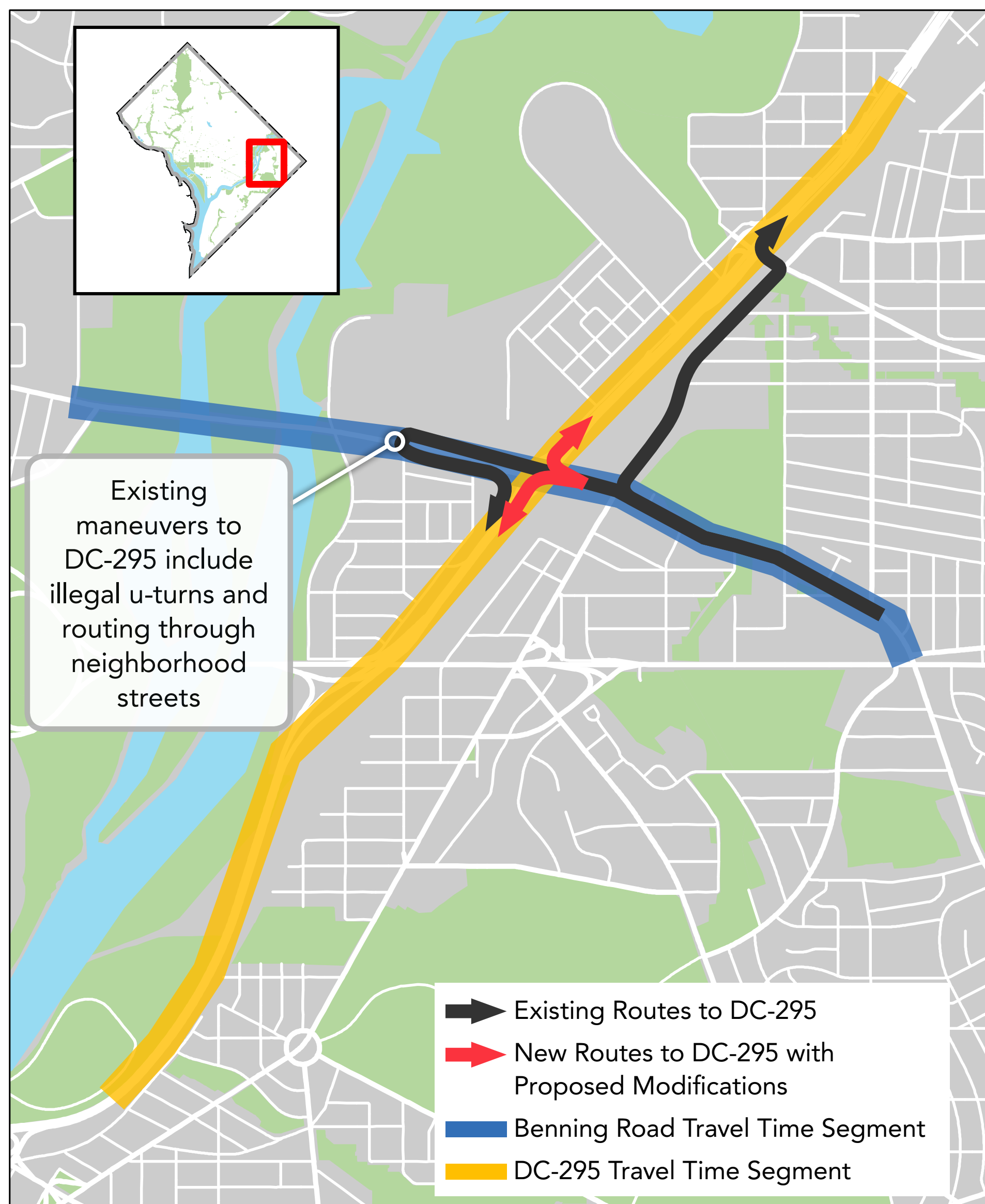




# DC-295/Benning Road Interchange Traffic Analysis and Safety

## Travel Time Forecasts

Traffic simulation software was used to project the travel times along Benning Road and DC-295 for the AM and PM peak hours. The results include the following scenarios: 2045 No-Build Alternative, 2045 Build Alternative A (Concept 7C), and 2045 Build Alternative B (Concept 8D).



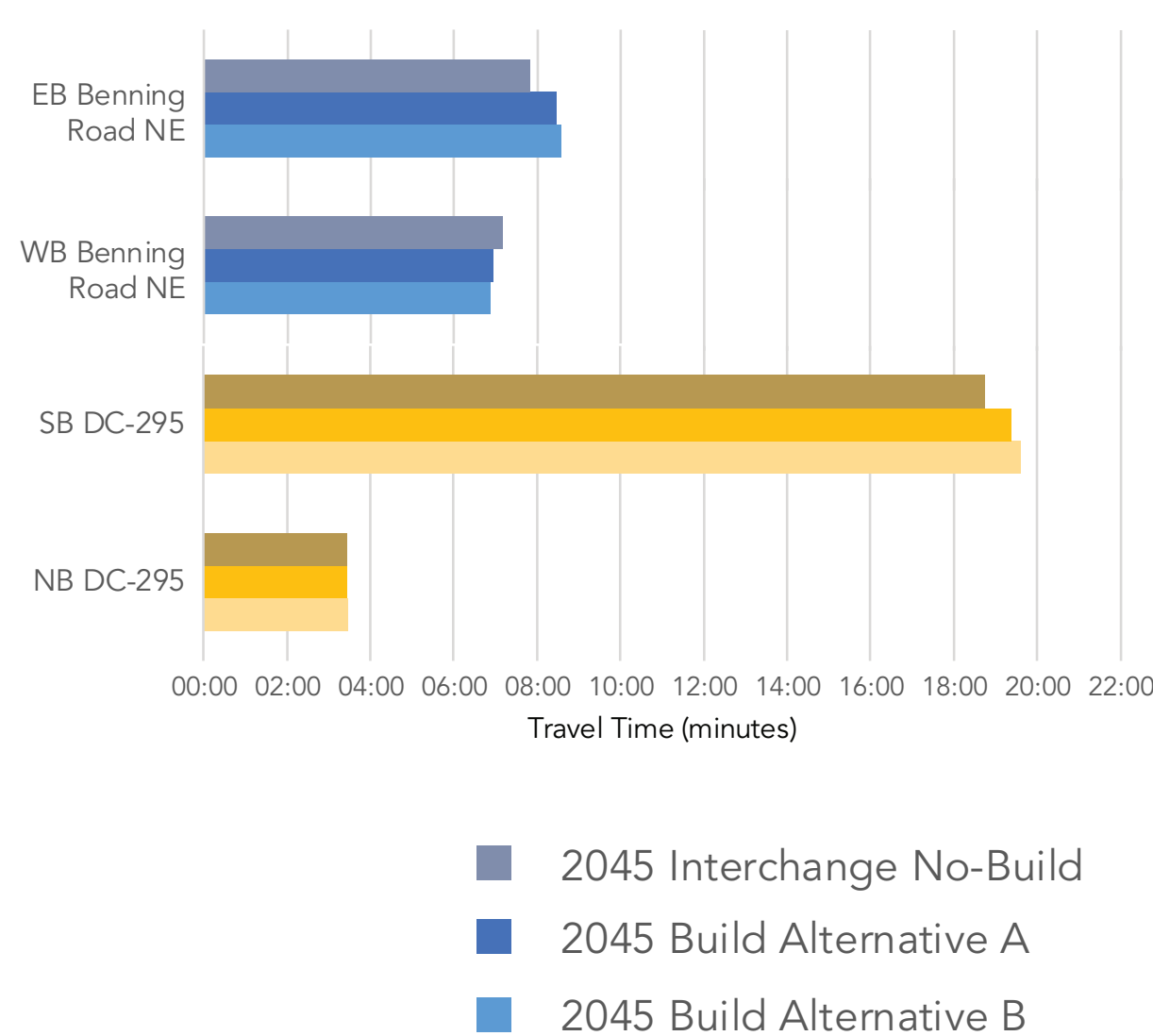
## Analysis Findings

The proposed new interchange movements do not significantly impact Benning Road travel times in peak hours.

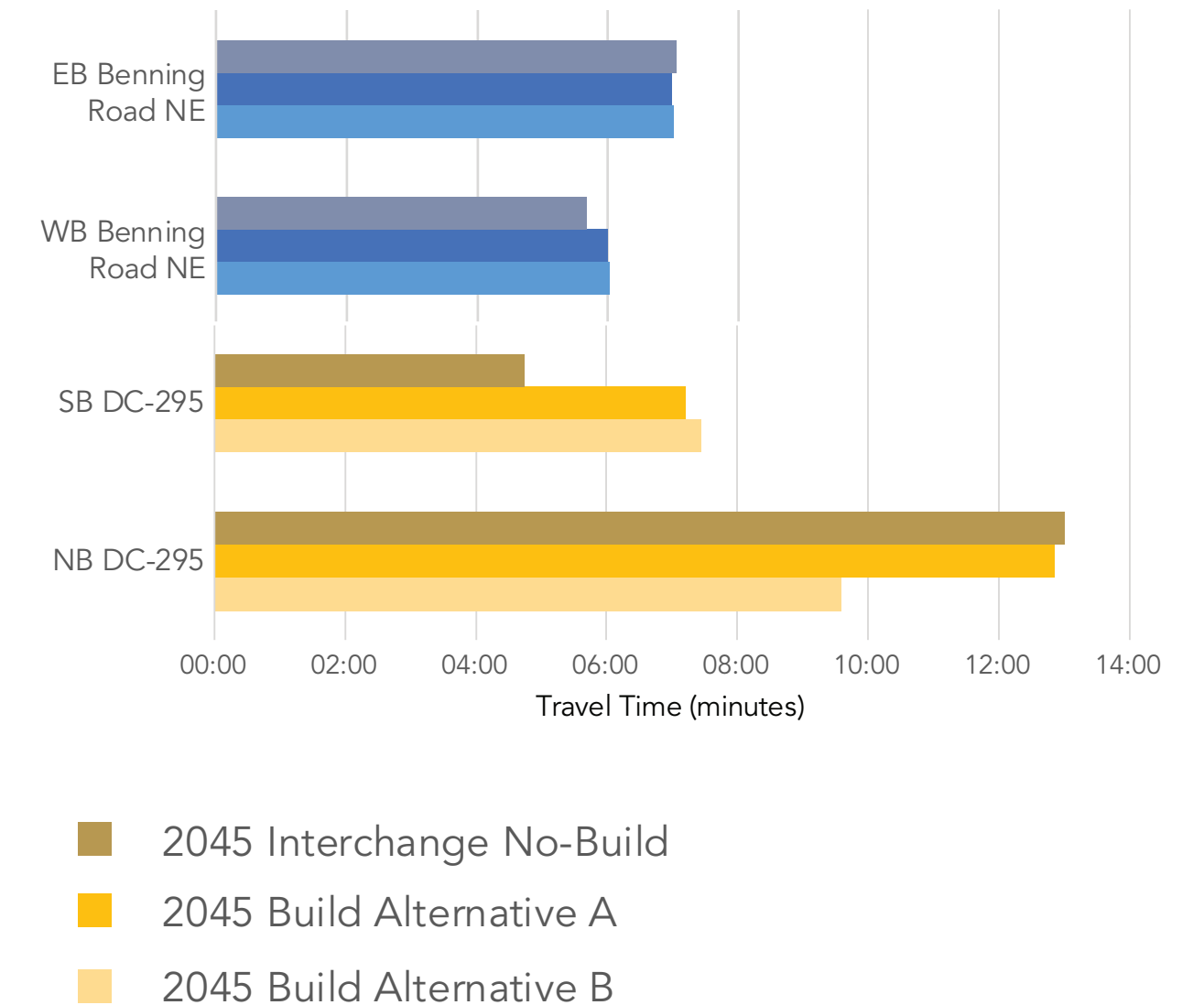
Alternative B reduces travel time on northbound DC-295 by three and a half minutes compared to the No Build.

By providing new access to DC-295 from the east side of Benning Road, travel times will reduce for those who are currently taking alternative routes to access DC-295.

### AM Peak Hour Travel Time Comparison



### PM Peak Hour Travel Time Comparison



## Safety Review

Historical crash data, presented at Open House #1, was obtained from January 2016 through December 2018. The following graphic shows safety concerns related to the existing interchange geometry and operations and the potential safety benefits and considerations projected for each of the IMR Build Alternatives — A (7C) and B (8D).

