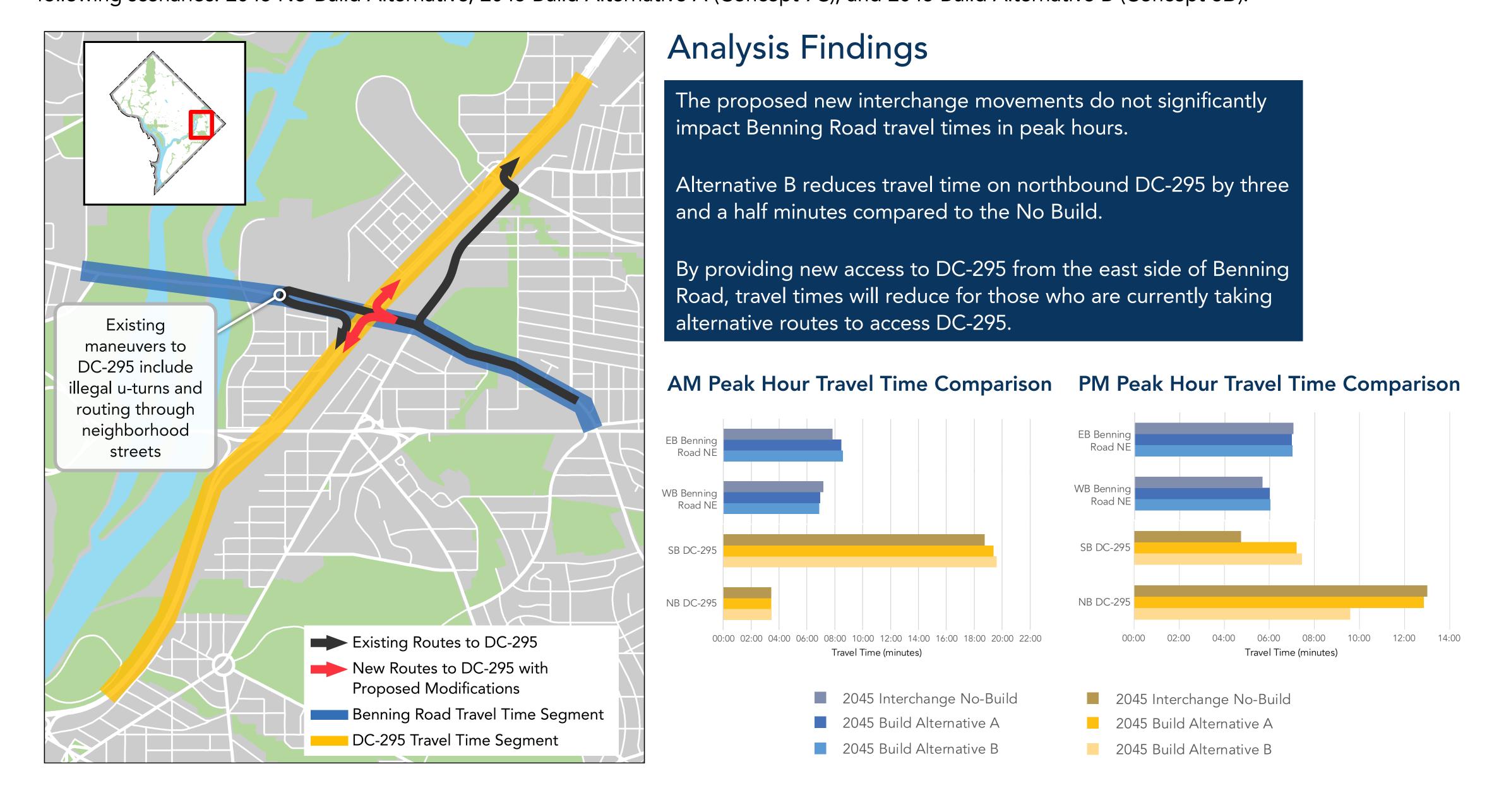


DC-295/Benning Road Interchange Traffic Analysis and Safety

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).



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). **Alternative A** Back-to-back merges onto DC-295 northbound Alternatives A, B **Alternative B** With the state of New bicycle and pedestrian Remove merge conflicts by introducing an add-lane facilities on Benning Road may reduce vehicle, pedestrian, and bicycle conflicts. Legend **Existing Safety Concern** BENNING RD NE Potential Safety **Benefit** of Build Alternative Potential Safety Consideration Alternatives A, B of Build Alternative Added access at interchange reduces illegal U-turns, heavy left turns, and **Number of Crashes*** Short merge neighborhood cut-through traffic, High & diverge areas which may reduce crashes cause crashes 295 Low * 3 years of crash data (2016-2018) **Alternative A** Alternatives A, B Improved off-ramp length from northbound Introduces increased merge and Alternatives A, B DC-295 to eastbound and westbound Benning Road weave movements on southbound Removes to weave between DC-295 with the added **Alternative B** northbound DC-295 and Benning westbound-to-southbound ramp Road, which may reduce crashes Off-ramp from northbound DC-295 to Benning Road eastbound and westbound is a lane drop