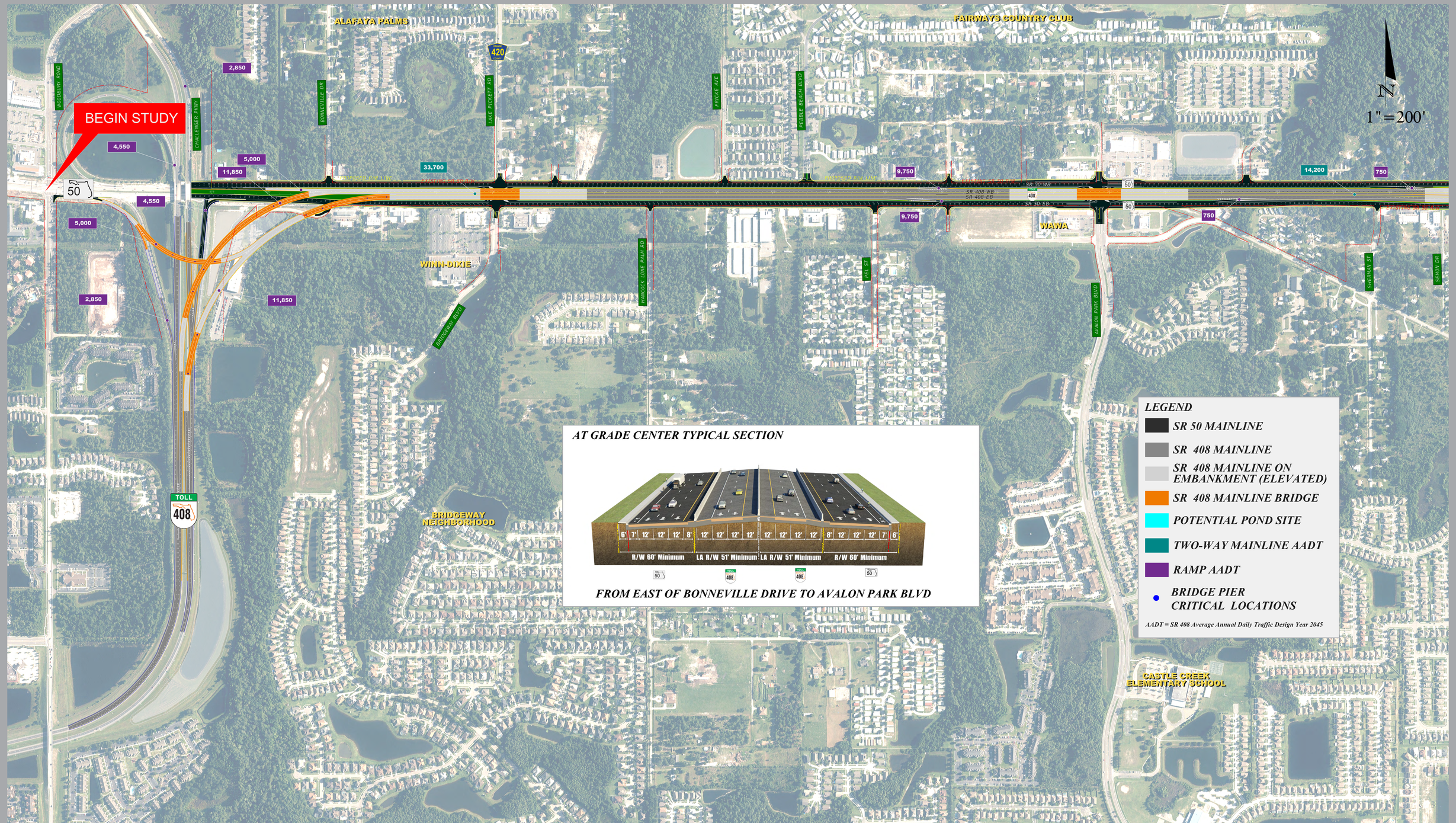SR 408 PD&E STUDY - SEGMENT 1 - AT GRADE CENTER