

APPENDIX C

SECTION C-1-DESIGN FEATURES

CROSSOVER SPACING

Criteria Table C-1-1 shows crossover spacing and sight distance requirements to be applied on all divided highways without full control of access. The minimum sight distance requirement indicated in Table C-1-1 must be met at all crossover locations. Crossover spacing less than shown as minimum will be considered when required by intersecting public highways or streets with a current ADT of 100 or greater. Other crossovers will only be allowed after an individual traffic safety and operational study.

The following are some factors, but not all inclusive, that should be considered in the study, if applicable: Operating speed, volume of traffic for crossover and through routes, signal operation/progression, accidents with and without additional crossover, number of U-turns, weaving maneuvers, alternative solution, capacity analysis, type of vehicles such as school buses, trucks, etc. Final approval will be required by the State Traffic Engineer and the State Location and Design Engineer.

DESIGN SPEED	CROSSOVER SPACING⊗		MINIMUM SIGHT DISTANCE (FEET)
of HIGHWAY (MPH)	DESIRABLE (FEET)	MINIMUM (FEET)	
70	1250	1000	825
60	1100	900	710
55	1000	800	650
50	900	700	590
45	800	650	530
40	700	600	475
35	600	500	415

Source: Based on NCHRP Report 348

TABLE C-1-1 CROSSOVER SPACING CRITERIA

Sight distance determinations apply both horizontally and vertically and are to be based on a height of driver's eye of 3.5' and a height of object 3.5' measured each way.

⊗ Crossover spacing is measured from center to center.*

* Rev. 7/07