

1. Consider the collision and condition diagrams shown in next page. Vizuus probable causes of the croshes Observed. Recommend improvements. (Figure 8-11 Condition and collision diagram) Solution: 1) The width in South-North is 44 ft. 44 ft is equal to 13.41 m. The speed of Pedestrian is \$1.2 m/s. = Increase the cycle length. The necessary time is equal to 189 11.188. 11-185 >> 45. 1 The width in South-North is 44 ft. (] () The with is East-West is 50ft. (支险) The way for turning left and going straight should not be set as the outermost one. Adjust the outmost was for going straight alone. 2. Median close is a typical way to reduce traffic conflicts on intersection areas, as shown bolow, in when areas. If the cross sections of the major and minor readways are both two-way two-lane, please draw the points of all conflicts before and after the central intersection treatment, and calculate the total number of conflicts before and after (diverge point is weighted as I, merge point is weighted as 1.5, the cross port i) weighted on 2). Solverm: the total number of conflicts before = 1 X 4 + 1.5 x 4 + the = >6 the total number of conflor enter = [X2+15x2=5 3. A musal two-lane tangent wadway segment with the following conditions. What is the predicted average each frequency of the badway regment for a particular year? 1.5 mi length V Tangent wadway segment 10,000 vehilday 2% grade V 6 anveways per mi 10- fe lane with V 4-fe growth shoulder V

