Task 1 – Identify Network Elements Analyzed

Purpose

Identify the network elements from the focus facility types (selected in Step 1, Task 2), which represent the locations where the target crash types tend to occur for use in network screening.

Description

For segment applications, this requires splitting corridors into elements with consistent design features (e.g., cross section) to allow for selection of the same countermeasure. Logical segment endpoints will also need to be identified. The segments should have uniform traffic and design characteristics whenever possible, especially with respect to the risk factors under consideration. The table on the right illustrates the results of segmentation of Minnesota two-lane county roads.

Corridor	Route	#	Start	End	Length	ADT
144.01	CNTY	89	CSAH-30	CSAH-30	1.4	480
40.04	CSAH	40	NEW LONDON CORP LIM	CSAH-2	5.9	450
131.01	CNTY	89	CSAH-30	MNTH-23	0.7	145
9.02	CSAH	9	CR-90 , WILLMAR CORP LIM	CSAH-10	5.6	940
5.06	CSAH	5	150TH AVE NW	CSAH-29	CSAH-1	10.1	628
31.02	CSAH	31	NEW LONDON CORP LIM	MNTH-23	1.6	920
8.01	CSAH	8	RENVILLE COUNTY LINE	LAKE LILLIAN CORP LIM	3.6	750
4.01	CSAH	4	CSAH-8	CSAH-20	6.7	320
2.05	CSAH	2	CSAH-10	MNTH-23	9.8	385
4.04	CSAH	4	CR-98	CSAH-40	2.4	290
38.01	CSAH	38	CSAH-40	CSAH-48	2.1	130
132.01	CNTY	89	CSAH-8	CSAH-8	2.2	190
42.01	CSAH	42	CSAH-7	COUNTY LINE	0.5	120
9.03	CSAH	9	CSAH-10	CSAH-40 , REDWOOD ST	4.9	1,800
25.01	CSAH	25	CSAH-5	USTH-71	3.2	1,315
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…	…	…	…	…	…	…
1.03	CSAH	1	MNTH-23	PENNOCK CORP LIM	7.0	333
116.02	CNTY	89	CSAH-3	MNTH-40	7.0	98
2.04	CSAH	2	ATWATER CORP LIM	CSAH-10	6.7	1,018
28.02	CSAH	28	CSAH-2	COUNTY LINE	2.0	315