

**Table XX**

**Mainline (NB and SB)**

Deviation #	Design Element	Existing	Standard (50 mph)	Standard (40 mph)	Proposed	Design Manual Reference
1	Vertical Clearance	14.35 ft	15.5 ft	15.5 ft	14.35 ft	1120.04(5)(c)
2	Inside Shoulder	2 ft	4 ft	4 ft	2 ft	Fig 440-9
3	Outside Shoulder	2 ft	10 ft	10 ft	2 ft	Fig 440-9
4	Turning Roadway Width	None	23 ft	23 ft	22 ft	Fig 641-2a
5	Lane Reduction	None	600 ft	480 ft	506 ft	620.07(b)
6	Lane Width	11 ft	12 ft	12 ft	11 ft	Fig 440-9
7	Horizontal Stopping Sight Distance	300 ft	425 ft	305 ft	320 ft	Fig 650-11
8	Vertical Stopping Sight Distance	None	474 ft	333 ft	337 ft	Fig 650-6
9	Minimum Length of Vertical Curve	None	150 ft	120 ft	100 ft	630.04(2)
10	Comfort Criteria for Vertical Curves	None	346 ft	222 ft	260 ft	630.04(2)
	Superelevations/Radii				1.8%/ 1761	Fig 642-4c

**NB On Ramp (Assume Ramp Design Speed of 30 mph)**

Deviation #	Design Element	Existing	Standard (50 mph)	Standard (40 mph)	Proposed	Design Manual Reference
11	Inside Shoulder	*	2 ft	2 ft	1 ft	Fig 940-6
12	Acceleration Length	*	450 ft	120 ft	257 ft	Fig 940-9
13	Non Standard On-Ramp Configuration	*	See note 1	See note 1	See note 1	Fig 940-13a
14	Turning Roadway Width	*	17 ft	17 ft	15 ft	Fig 941-3a
15	Minimum Horizontal Radius	*	235 ft	235 ft	130 ft	Fig 942-5
16	Horizontal Stopping Sight Distance	*	200 ft	200 ft	95 ft	Fig 650-1, Fig 650-11
	Superelevation/Radii	*			135 radius/s	Fig 642-5

**SB Off Ramp (Assume Ramp Design Speed of 30 mph)**

Deviation #	Design Element	Existing	Standard (50 mph)	Standard (40 mph)	Proposed	Design Manual Reference
17	Inside Shoulders	*	2 ft	2 ft	1 ft	Fig 940-6
18	Outside Shoulders	*	8 ft	8 ft	1 ft	
19	Deceleration Length	*	315 ft	185 ft	126 ft	Fig 940-10
20	Gore Configuration	*	See note 2	See note 2	See note 2	940-11a
21	Off Ramp Configuration	*	See note 3	See note 3	See note 3	940-14a
22	Lane Width	*	12 ft	12 ft	11 ft	Fig 940-6

Note 1: No 12 ft minimum width between the mainline lane and the ramp lane is required at PT of ramp transition curve. (Fig 940-13a)

Note 2: No 12 ft min required from edge of mainline to point of physical nose. Not a 4 ft minimum radius for Gore. (Fig 940-11a)

Note 3: No 16 foot minimum width between the mainline lane and beginning of inside lane edge. (Fig 940-14a)

\* = Right now I don't have any existing ramp information.

[Redacted] = Still looking at