

Ramp Metering Design Guide Errata January 2015

blue is new text, and ~~red strikethrough~~ is text to be deleted

Section 2.0 Paragraph 3 Sentence 3 and 4

~~All-vehicle~~ The advance queue detectors, the control cabinet, conduit, and pull boxes shall be installed and located according to these guidelines. If warranted in the future, the ramp meter signal assembly, foundation, warning flasher assembly, and stop bar shall be able to be installed ~~in the future~~ and located according to these guidelines without the need to relocate advance queue detectors, the control cabinet, lane geometry, or other elements.

Section 3.3

$$Queue = \frac{(Rate_{ramp} - Rate_{meter}) * Time * (L_{car} * (1 - (Truck/100)) + L_{truck} * (Truck/100))}{Lanes}$$

$Rate_{meter}$ = Design metering rate (vph) (840 vph is the typical design value for single-lane ramp meter, while 1200 vph may be used for dual-lane ramp meter)

~~Dual-Lane Ramp Meter: $Queue = (7.25 * Rate_{ramp}) - 6,090$~~
~~Minimum Queue = 400 feet~~

Equation 3.3c

Section 3.4

Figure 3.4 Stop Bar Placement (without auxillary lane)