

Attachment #1 to suggested Red Light Camera installation locations

From: SORGE, DAVE
Sent: Wednesday, November 09, 2005 11:26 AM
To: CURTIS, TOM
Cc: NAGHAVI, PETER; ALLUM, RICHARD; FRISLIE, PAUL
Subject: Red Light Camera locations

Tom: Performed a quick accident analysis with help from our interns on the 5 proposed red light camera/RCL intersections. 1st as background, the Feds recently published a study on 132 RLC sites & determined that RLC's provide a benefit in reducing right-angle/broadside type accidents. However some increase in rear-end accidents is attributed to RLC's. Additionally the study revealed that warning signs at both intersections and city limits enhances RLC systems.

On to the accident analysis covering a 5 ½ year period - the numbers were crunched two ways: 1) the number of accidents caused by the cited party (typically vehicle #1) per a specific direction; & 2) the number of broadside accidents per a combined direction. Directions with low accident numbers are not listed. Your list ranked the intersections / movements somewhat differently, however your evaluation based on the number of citations issued, if equitably approached, is a valid mode of comparison. The below list summarizes findings, fyi.

Harbor/Gisler #1 { your priority ranked this intersection 1st with NB and SB selected }

NB - 48 accidents

SB - 38 accidents

EB - 5 accidents

WB - 4 accidents

Left-turns, limited to 1 & 2 accidents.

SB vs EBL - 15 broadside accidents

SB vs EB - 6 broadside accidents

NB vs EBL - 5 broadside accidents

Harbor/South Coast Drive #2 { your priority ranked this intersection 3rd, with NB & SB selected }

SB - 40 accidents

NB - 20 accidents

WB - 10 accidents

EBL - 9 accidents

EB - 7 accidents

Left-turns for WBL, NBL & SBL limited between 0 & 3 accidents

NB vs EB - 4 broadside accidents

NB vs WB - 3 broadside accidents

SB vs WB - 3 broadside accidents

Harbor/Victoria #3 { your priority excluded this intersection }

NB - 28 accidents

SB - 17 accidents

WB - 20 accidents

EB - 12 accidents

Left-turns limited between 1 and 4 accidents

NB vs EB - 6 broadside accidents

SB vs WB - 4 broadside accidents

SB vs EB - 3 broadside accidents

Harbor/Baker #4 { your priority ranked this intersection 4th with SB selected }

NB - 15 accidents

SB - 14 accidents

WB - 13 accidents

EB - 10 accidents

NB vs EB - 6 broadside accidents

NB vs EBL - 4 broadside accidents

NB vs SBL - 3 broadside accidents

Victoria/Placentia #5 { your priority ranked this intersection 2nd with NB & WB selected }

NB - 19 accidents

EB - 12 accidents

WB - 7 accidents

SB - 6 accidents

Left-turns limited between 0 & 2 accidents

NB vs WB - 2 broadside accidents