



MEMORANDUM

TO: CRAMERTON BOARD OF COMMISSIONERS
FROM: GREG RATCHFORD, CHIEF OF POLICE
CC: DAVID PUGH, DAVE PETTINE
SUBJECT: SPEED STUDY – CIMARRON BLVD.
DATE: 8/8/2017
MAN: M170808-1

Per request of the Board of Commissioners, a speed study was conducted on Cimarron Boulevard between Armstrong Ford Road and Greenmont Circle. This study was conducted in two phases, due to the configuration of the roadway, utilizing an electronic, furtive, speed measurement unit that was installed in stationary positions along the roadway.

Phase I of this speed study was conducted between July 27, 2017 and July 29, 2017. During phase I, the speed unit was placed to measure the speeds of vehicles traveling outbound from the neighborhood to Armstrong Ford Road. The speed of Cimarron Boulevard is set by local Ordinance at 20 M.P.H. and is posted along the roadway. The speeds of 3,235 vehicles were evaluated. The average speed was recorded as 24 m.p.h. The highest recorded speed was 49 M.P.H., which occurred at approximately 6:00 a.m. Of the vehicles evaluated during the study, 2,639 vehicles were traveling above the posted speed limit. 85% of those vehicles above the posted speed limit were traveling between 21 M.P.H. and 32 m.p.h. 50% of those vehicles above the posted speed limit were traveling between 21 M.P.H. and 24 M.P.H. The heaviest traffic times during the study were 10:00 a.m. – 11:00 a.m. and 4:00 p.m. – 5:00 p.m., with the majority of the vehicles traveling above the posted speed limit occurring between 6:00 a.m. - 8:00 a.m. and 9:00 p.m. – 10:00 p.m. There have been no reported traffic collisions in the study area within the last 12-months.

Phase II of this speed study was conducted between August 4, 2017 and August 6, 2017. During phase II, the speed unit was placed to measure the speeds of vehicles traveling inbound from Armstrong Ford Road toward Greenmont Circle. The speed of Cimarron Boulevard is set by local Ordinance at 20 M.P.H. and is posted along the roadway. The speeds of 767 vehicles were evaluated. The average speed was recorded as 24 m.p.h. The highest recorded speed was 46 M.P.H., which occurred at approximately 4:00 p.m. Of the vehicles evaluated during the study, 563 vehicles were traveling above the posted speed limit. 85% of those vehicles above the posted speed limit were traveling between 21 M.P.H. and 31 m.p.h. 50% of those vehicles above the posted speed limit were traveling between 21 M.P.H. and 25 M.P.H. The heaviest traffic times during the study were 9:00 a.m. – 10:00 a.m. and 5:00 p.m. – 7:00 p.m., with the majority of the vehicles traveling above the posted speed limit occurring during those same time periods. There have been no reported traffic collisions in the study area within the last 12-months.

Based on the findings of this study, increased speed enforcement will be initiated in both directions along the roadway with an emphasis placed on outbound traffic. The speed study information is being referred to Mr. Pettine for his review and application to the town's traffic calming policy.