WE CAN ALSO GET SPEED FROM LOOPS

EL   EL

DISTANCE

$$S = \frac{\text{DISTANCE (D)}}{\text{TIME (T)}}$$

T = 0.4 SEC.

D = 20 FT.

$$S = \frac{D}{T} = \frac{20 \text{ FT.}}{0.4 \text{ SEC.}} = 50.0 \text{ FT./SEC.}$$

(50.0 FT./SEC.)(3600 SEC./HR.)(1 MILE/5280 FT.) = _34.1_ MPH

DO THIS FOR _MANY_ VEHICLES TO GET _AVERAGE_ SPEED.