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Moving Massachusetts Forward. massDOT Highway

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Millbury COUNT DATE : 2/15/2024

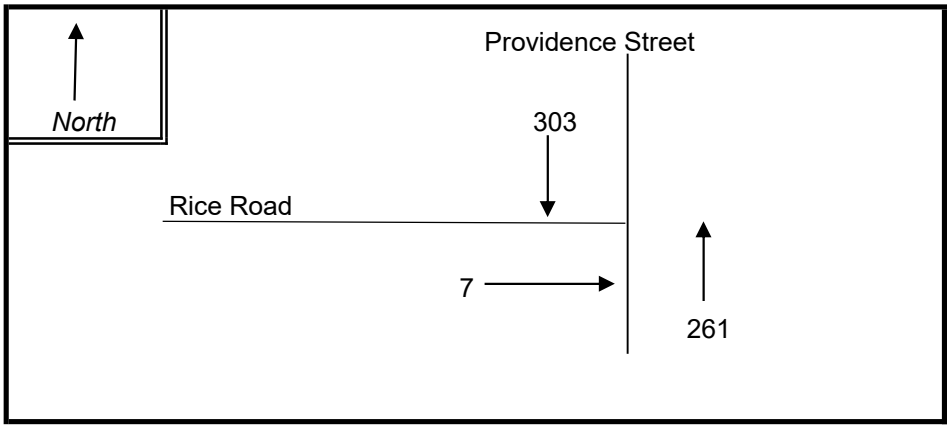
DISTRICT : 3 UNSIGNALIZED : X SIGNALIZED :

~ INTERSECTION DATA ~

MAJOR STREET : Providence Street

MINOR STREET(S) : Rice Road

INTERSECTION DIAGRAM (Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	NB	SB			
PEAK HOURLY VOLUMES (AM/PM) :	7	261	303			571

" K " FACTOR : **0.090** INTERSECTION ADT (**V**) = TOTAL DAILY APPROACH VOLUME : **6,344**

TOTAL # OF CRASHES : 1 # OF YEARS : 8 AVERAGE # OF CRASHES PER YEAR (**A**) : **0.13**

CRASH RATE CALCULATION : 0.05

$$\text{RATE} = \frac{(A * 1{,}000{,}000)}{(V * 365)}$$

Comments : Significantly lower than the *massDOT* rate of 0.61 for unsignalized intersections in Dist 3

Project Title & Date: Rice Pond Village, Rice Road, Millbury, MA February 2024