

# District 10 - Saving Lives with LED Chevrons



# LED Chevrons

## 24/7 OPERATION

- Programmed to always flash in a sequential pattern, 24/7 operation provides added safety at interstates and highly trafficked curves

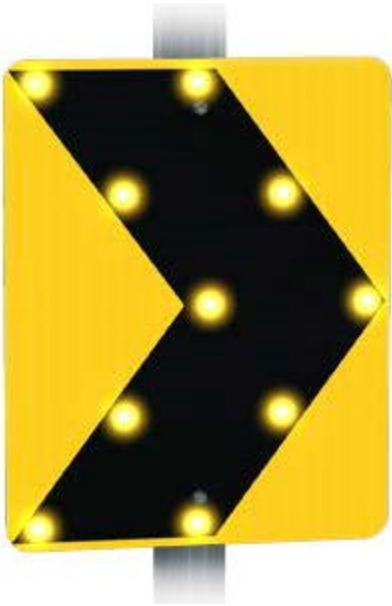
## PROVEN SUCCESS

- 58% decrease of in-curve vehicle crashes\*

\*Highways for Life: Evaluation of sequential dynamic curve warning system



# LED Chevrons



## **WIRELESS COMMUNICATION**

- Closed system triggers sequential pattern

## **EDGE LIT**

- The lighting on the chevron symbol is MUTCD-compliant and flashes in accordance with MUTCD section 2A.07.

## Locations of LED Chevrons

### **TWO CURVES WITH HIGH-CRASH INCIDENTS**


- Interstate 80 just east of the Brookville interchange
- US 119 in Indiana County at the Wake Robin curve
  - YouTube Video:  
<https://www.youtube.com/watch?v=foBs-ixt5sc&feature=youtu.be>

**ATIC SIGNS DIDN'T LESSEN THE NUMBER OF  
CRASHES IN OR AROUND THESE LOCATIONS**

## Benefits of LED Chevrons

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- Number of curve-related accidents
- Vehicle speeds
- Driver distraction
- Costs
- Energy use (solar powered)



“This sequential chevron system both warns and gives motorist a higher level of visual guidance when approaching and driving through the curve.”

“Additionally, the LED chevron signs flash continuously day and night as they are wirelessly connected.”

Dave Tomaswick, District 10 Traffic Engineer

Questions?

Dave Tomaswick

District 10 Traffic Engineer

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