Signing for Horizontal Curves

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March 8, 2016
Horizontal Curve Warning Signs

- **First Component: Installing Signs**
  - Per the IMUTCD (shown in Table 2C-5) - All that is Required & Recommended
  - Addresses
    - Old or missing signs
    - Incorrect signs
  - **Signs include:**
    - Advance warning w/advisory speeds
    - Chevrons/Large Arrows
    - Exit ramp speed advisories
Signs

- **Advanced Warning w/ Advisory Speed**

  For all Curves

  Advisory speeds checked by driving curve with ball bank indicator
Chevrons/ Night Arrows

- Curves with advisory speeds at least 10 mph below speed limit
- Chevron spacing per IMUTCD Table 2C-6
  - Varies from 40 ft to 200 ft
  - Based on curve radius & advisory speed
Included Signs

- Exit Speed/ Ramp Speeds

Speeds also checked by driving curve with ball bank indicator
Enhanced Sheeting

- **Second Component- Fluorescent Yellow Sheeting**
  - Fluorescence - more light reflects back to driver/ signs are easier to see
  - Benefits noted for
    - Poor visibility conditions
    - Older Drivers
  - Available in Type VIII, IX, and XI sheeting (INDOT Approved Materials)
Fluorescent vs. Non Fluorescent

Fluorescent Yellow Chevron

Standard Yellow Chevron
INDOT’s Plan

- **Installation**
  - Generally through Construction Projects, FY 18
  - Some by INDOT maintenance

- **Plans - INDOT and Consultant**

- **Curves Identified by:**
  - Sign Inventory
  - INDOT Videolog
  - Google maps

- All in all about 15,000 signs will be added or upgraded
Benefits to INDOT

- **FHWA compliance date** - 12/31/19
  - Note: fluorescent sheeting is optional per the FHWA

- **Reducing Crashes/ Saving Lives**
  - Reduction expected to be about 25%
  - For the state system alone this means many motorist will be saved through the life of the signs!
Contact Info

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