



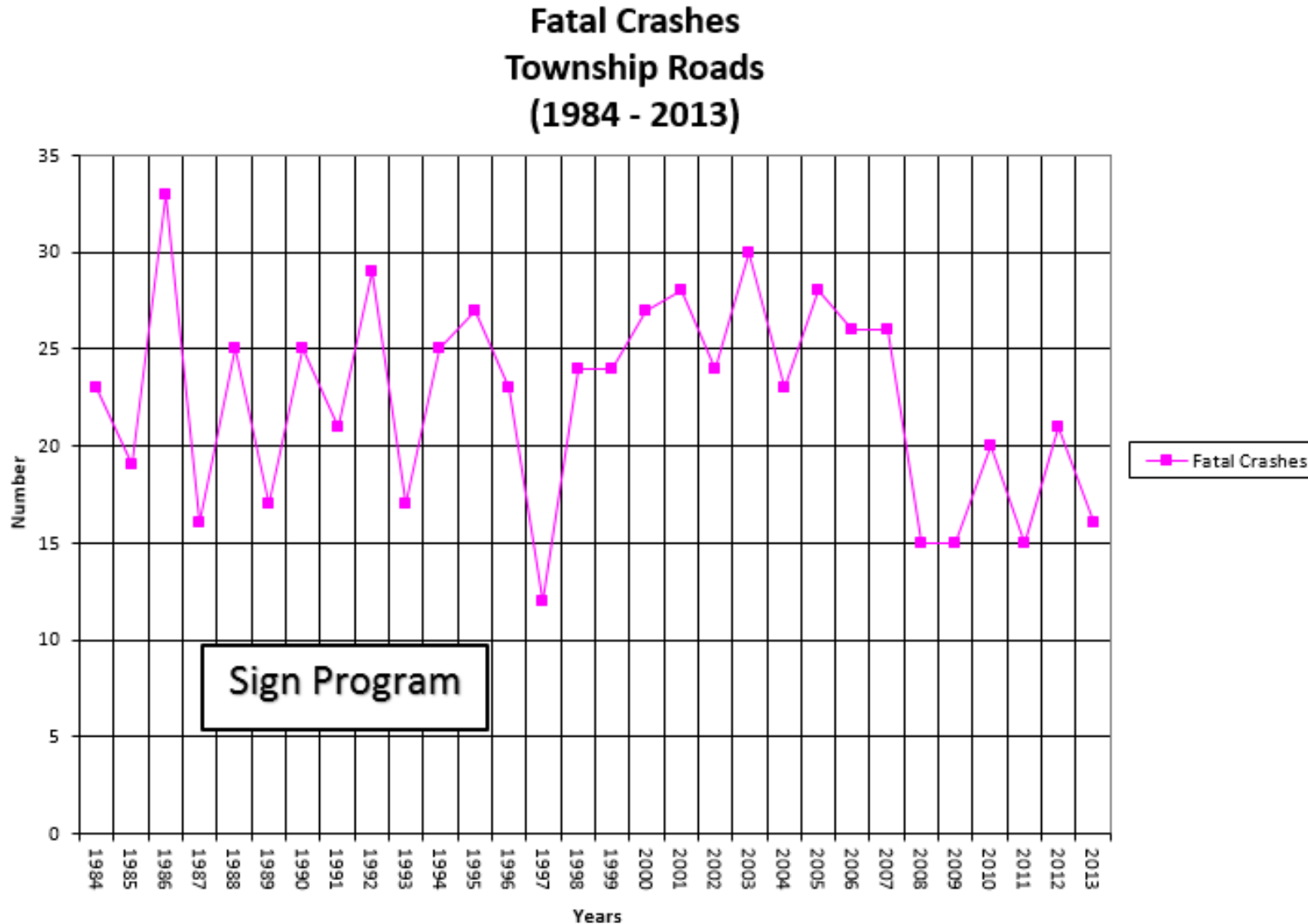
Road Signs: Like Coffee and Sugar

Mark Vizecky | Programs Engineers

State Aid for Local Transportation

05/03/2017

Road Signs: Like Coffee and Sugar



Agenda

Topic

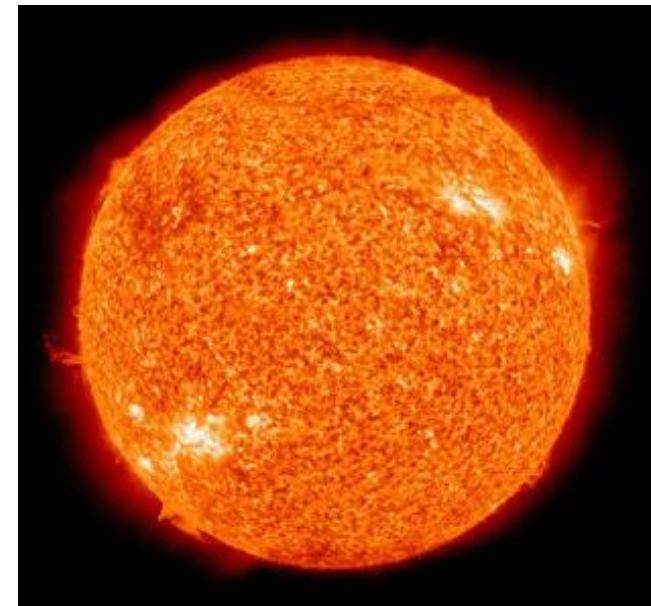
Stuff Before Signs

Types of Roadway Signs

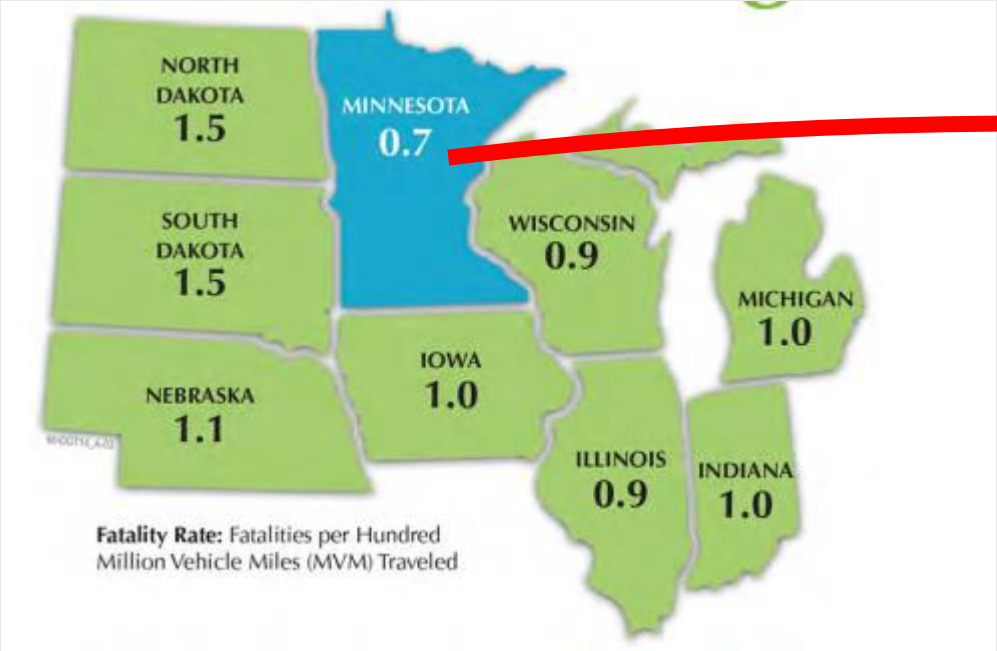
Regulatory Signs – Stop

Warning Signs – Children at Play

Speed Limits and Advisory Speed Signs

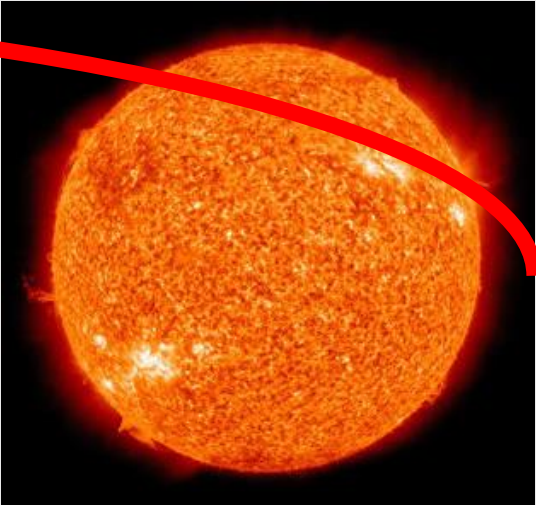


Fatal Crashes



92.96 million miles

177 Years at 60 MPH



NOT TO SCALE

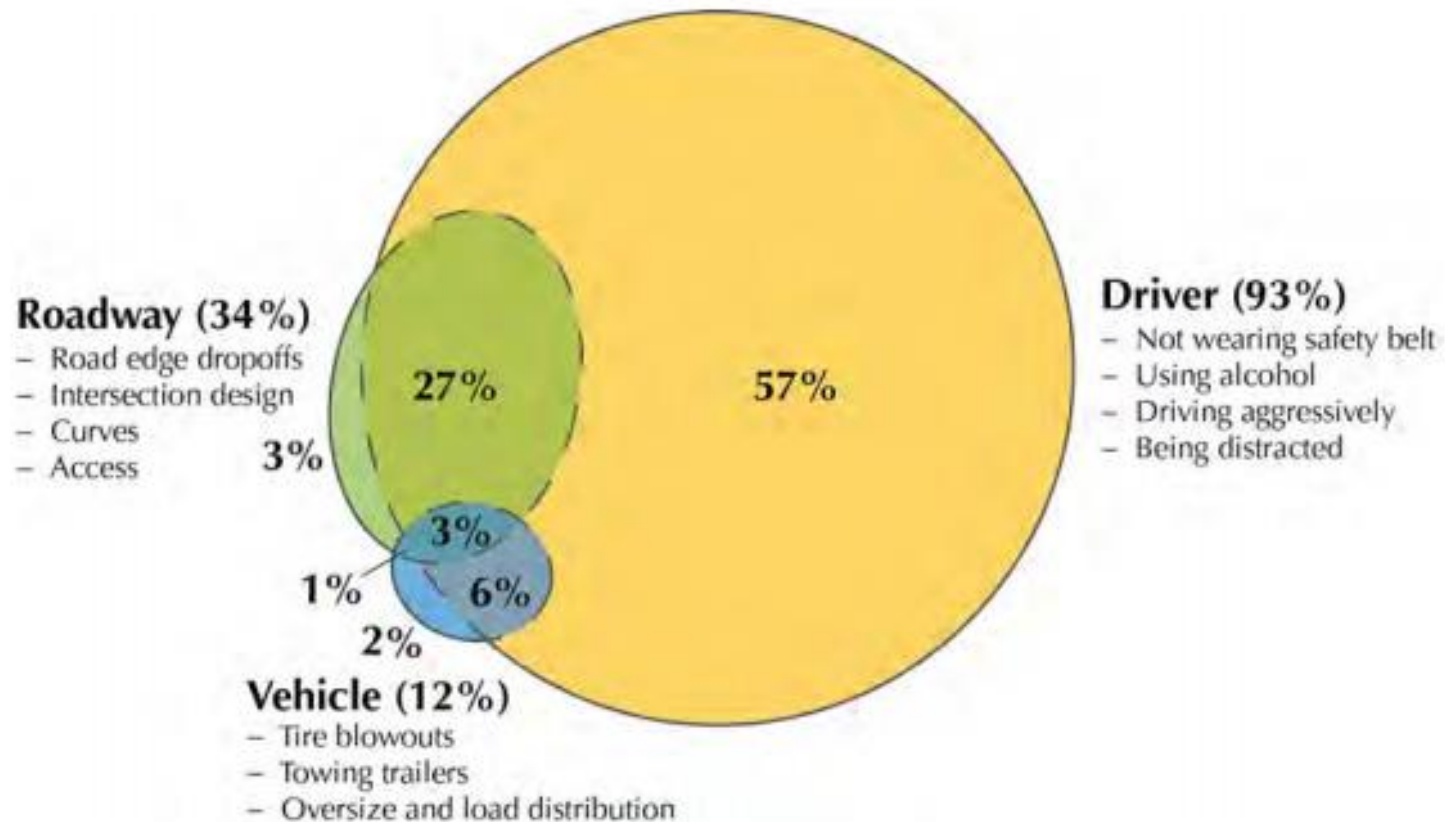
Your Drive



Who's to blame?

Crash Causation Factors

In this example, roadways are the sole contributing factor in 3% of crashes and the roadway and driver interaction is the factor in 27% of crashes.

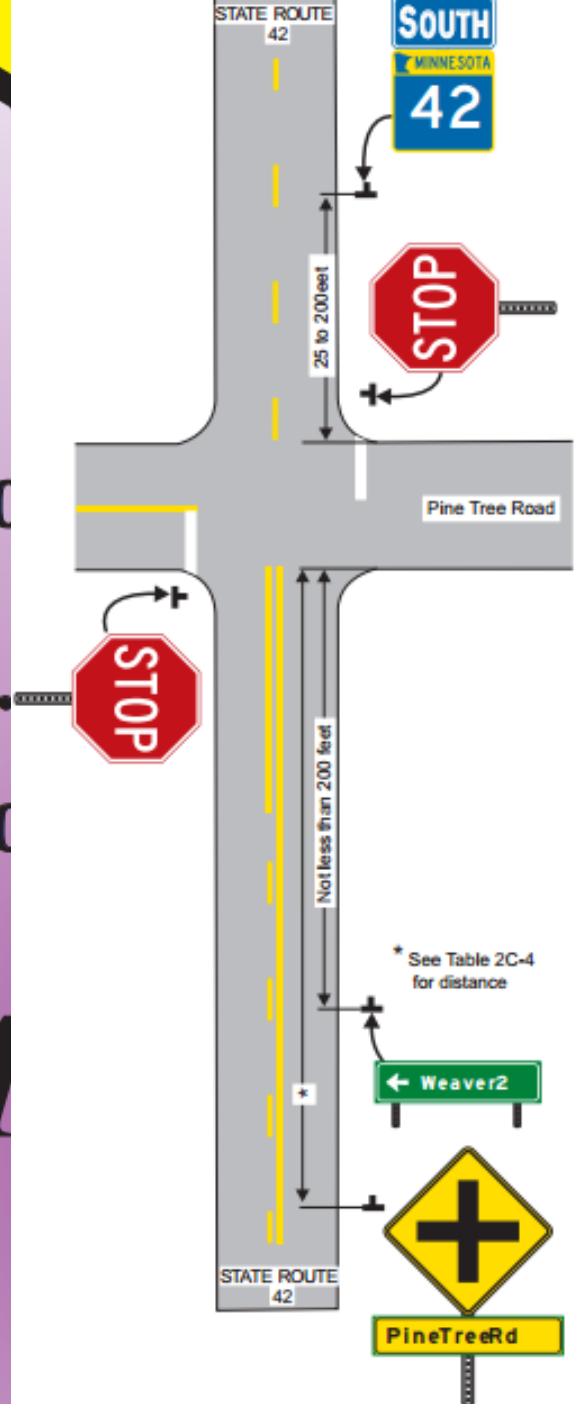


We're in this Together...TZD!



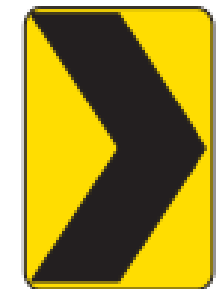
- 2014 – 2019 Minnesota Strategic Highway Safety Plan
- Comprehensive document using crash data AND stakeholder input
- Provides framework for local safety programs
 - HSIP dollars/projects need to align with MN SHSP
- MN SHSP Website
 - <http://www.dot.state.mn.us/trafficeng/safety/shsp/>

What are Signs?



LAW
VER FOR
EMERGENCY
TENANCE
CLES

X15



W1-8



R1-1



D1-3



W11-5

Minnesota

Uniform
Control

M

UTCDC

February 2015

What should they do?

1. Fulfill a need
2. Command attention
3. Convey a clear and simple meaning
4. Give adequate response time
5. Command respect from road users



How should they do it?

- Shape
- Color
- Message



The Roadway Environment



1. Fulfill a need
2. Command attention
3. Convey a clear and
4. Give adequate resp
5. Command respect f

STOP SIGNS:

**Why do we have them
on residential roads?**



1. Fulfill a need
2. Command attention
3. Convey a clear and
4. Give adequate resp
5. Command respect f

Question:

Are stop signs effective in slowing traffic speeds?

1. Fulfill a need
2. Command attention
3. Convey a clear and
4. Give adequate resp
5. Command respect f

**Stop Signs that do not
meet the guidelines...
are not respected by users.**

Traffic Study



- Speed
- Volume (Number of Cars)
- Sight Lines
- Crash History
- System wide Impacts

Your Drive



Warning Signs

- Call Attention to Unexpected Conditions
- Alert Drivers to Conditions that Might Require a Reduction in Speed
- Warning Signs Should be Kept to a Minimum



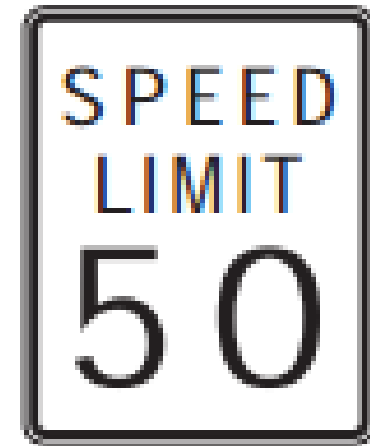
W11-5

Watch for Children Signs



Speed Limits Signs

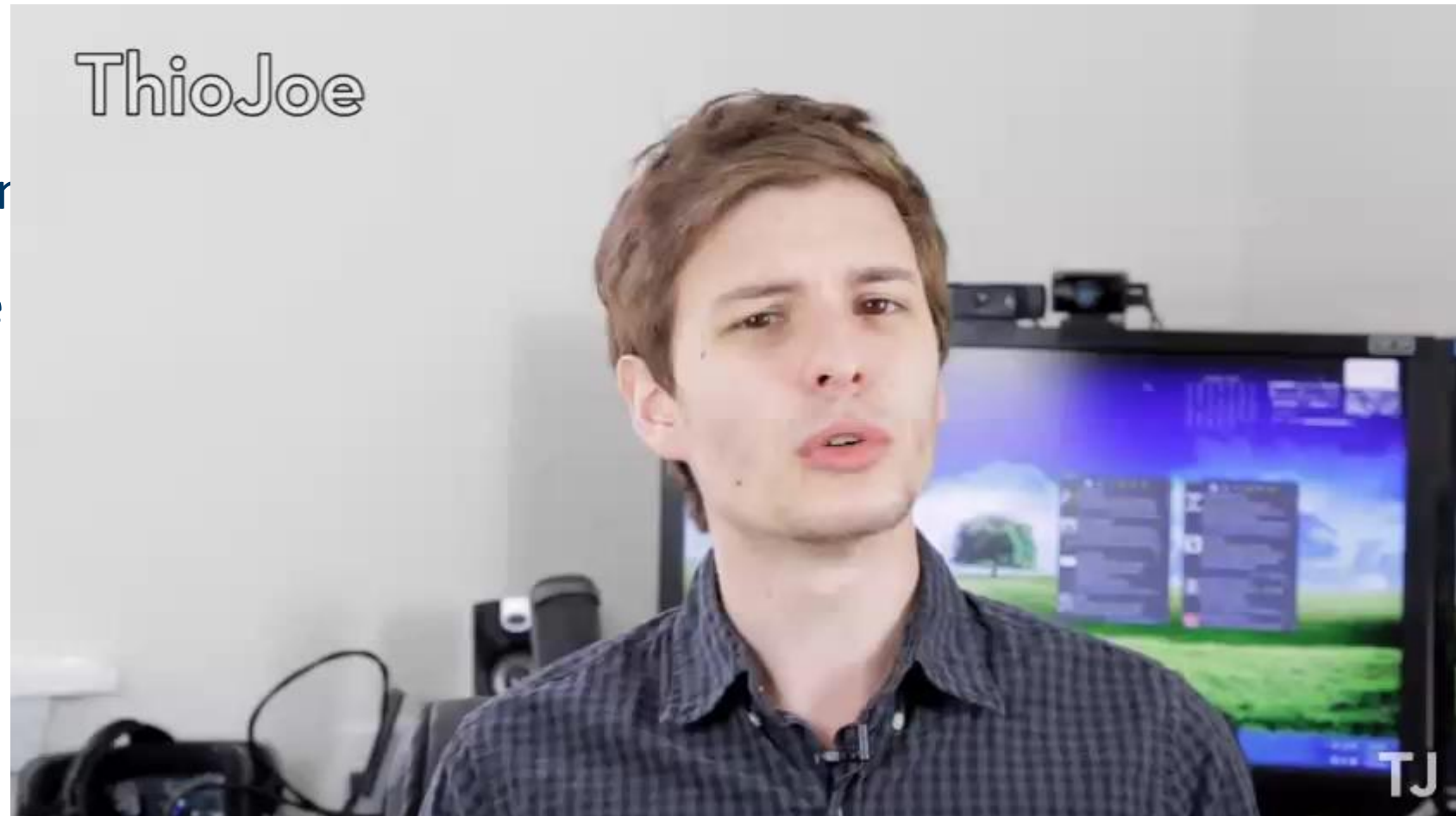
- Indicate Speeds limits as established by law
- Only set through an engineering study
- Are Authorized by the Commissioner of Transportation



R2-1

Speed Limits Signs

- Indicate Speeds limits
- Only set through an er
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Speed Limits Signs

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Transportation

SPEED LIMITS:
Why do we have them?



Establishing Speed Limits

- Road type and condition
- Location and type of
- Sufficient length of road
- Existing traffic control
- Crash history traffic volume
- Test drive results speed



What are Advisory Speed Limits?

- Alert Drivers to Conditions that Might Require a Reduction in Speed
- Used in Addition to Any Warning Sign
- Determined by an Engineering Study



When and

its?

- Curves
- Changes in Surface Condition
- Special Vehicle Use (Truck Roll

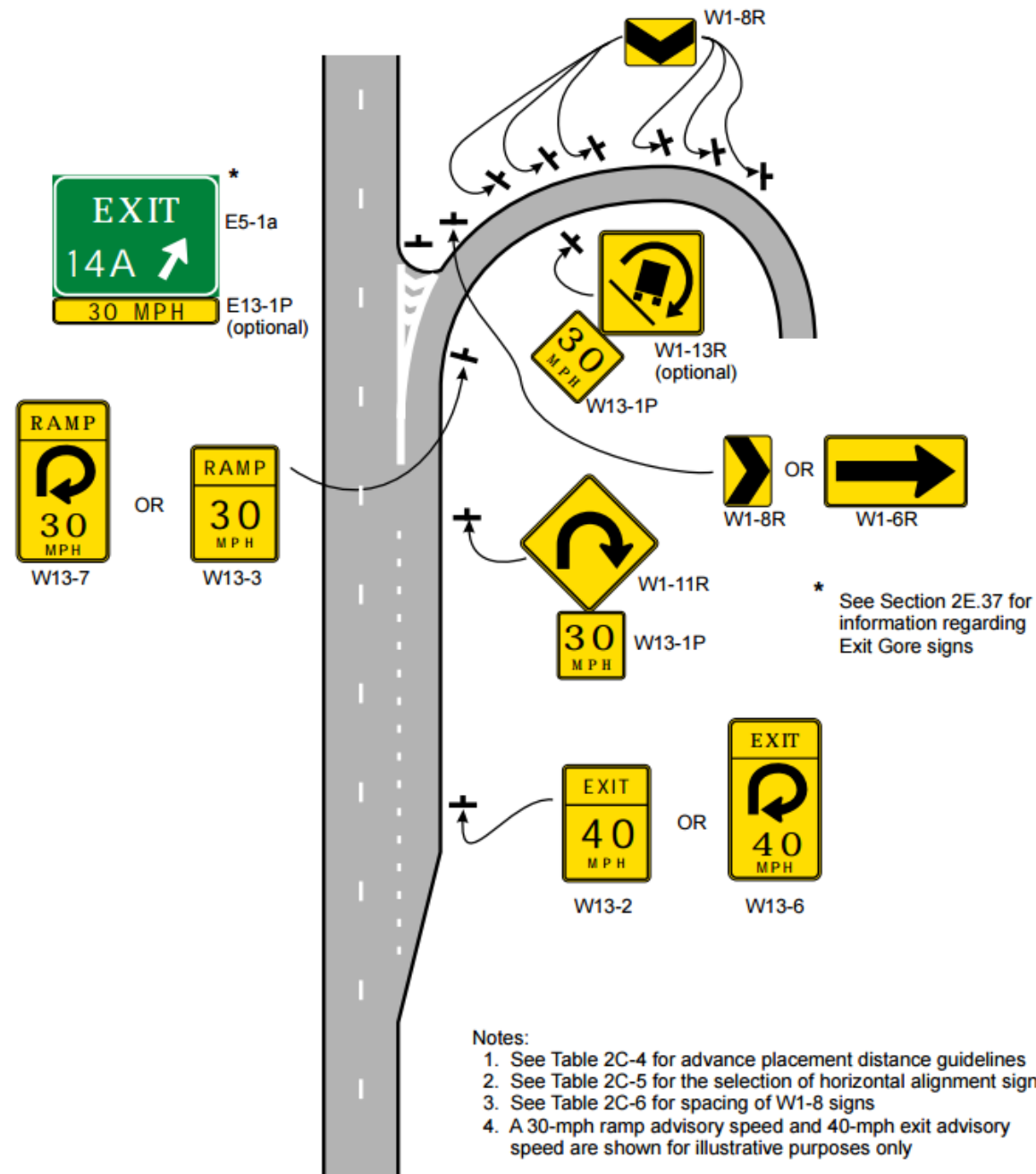


Figure 2C-3. Example of Advisory Speed Signing for an Exit Ramp

Topic

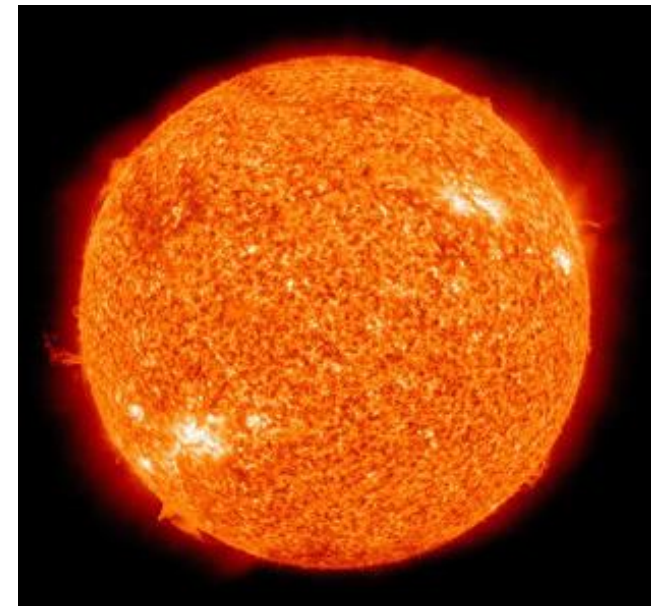
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Thank you again!

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