Session 1: Introduction and Pre-assessment



Ground Rules	
Be on timeParticipate	
Restrict sidebar conversationsTurn off cellphones	
Rederal Highway Administration Session 1 1.4	
Objectives of Course	
At the end of this 1-day session you will be able to:	
Identify when a traffic barrier is the best treatment to use at a specific site.	
 Select a barrier that will adequately shield the identified hazard(s). 	
Assess the topography of the site to provide for an optimal barrier system installation.	
Control Highway Administration Session 1 1-5	
Course Overview	
Session One – Introduction and Pre-Assessment.	
 Session Two – Clear Zone and Guidelines for Barrier Need. 	
 Session Three – Testing Requirements and Performance Characteristics of Common Barrier Systems. 	
 Session Four – Testing Requirements and Performance Characteristics of Common Terminals and Crash Cushions. 	
Rederal Highway Administration Session 1 1-6	

Participant Notebook Page 1-2

Course Overview (cont'd) ➤ Session Five – Design Principles Session Six – Length of Need and **Special Considerations** ➤ Session Seven – Design Workshop Federal Highway Session 1 Session 1: Introduction and Pre-assessment Session 1

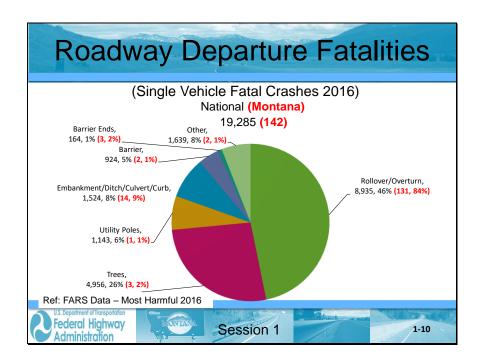
Session 1 Learning Outcomes

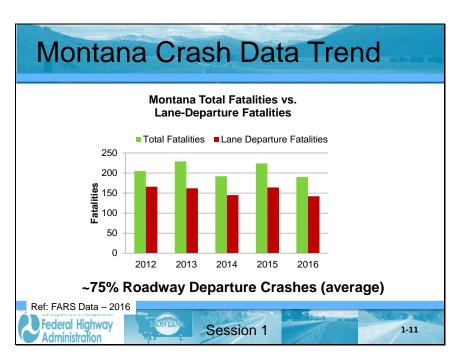
At the end of this session, you will be able to:

- ➤ Identify the primary Roadside Safety Concerns in Montana.
- Assess your current knowledge of Barrier Design Principles.

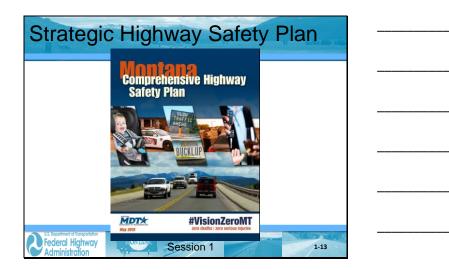
U.S. Department of Transportation	THE TANK
Administration Session 1	1-9

Session 1: Introduction and Pre-assessment

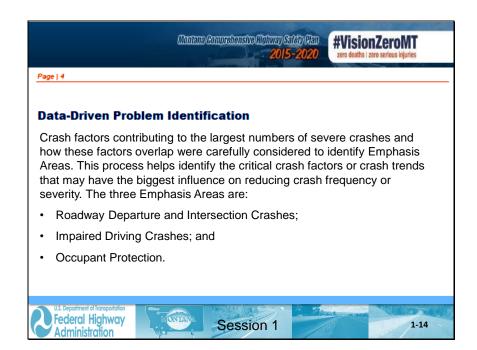


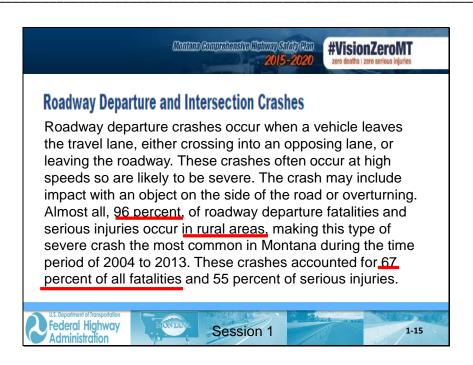


2016 Montana Roadside Fatalities **FIRST** MOST HARMFUL **HARMFUL** Rollover 98 131 **Utility Poles** 24 1 Embankment, Ditches, 21 9 **Curbs and Culverts** Guardrail Face/Ends 7 5 **Trees** 5 3 Traffic Sign Support 1 1 Ref: FARS Crash Data 2016 **Federal Highway** Session 1 1-12



Administration









Need for Training

Potential consequences of poorly designed barrier systems include:

- > Systems may not function as designed.
- > Crash severities may be increased.

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Need for Training

The next 11 slides show locations where barrier was installed. For each photo, decide at a glance whether you believe it to be:

- 1. Good example,
- 2. Bad example, or
- 3. Cannot decide without more information.

We will discuss these slides in further detail in later applicable sessions, so please record and save your responses.





Session 1: Introduction and Pre-assessment





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Session 1: Introduction and Pre-assessment





Review Learning Outcomes	
Identify the primary Roadside Safety Concerns in Montana.	
Assess your current knowledge of Barrier Design Principles.	
Session 1 1-32	