



Road Safety Assessment Webinar Series

Date viewed _____

5.5 Contact Hours

Knowledge Check

Fax or email completed forms to KUTC Training at (785) 864-3199 or kutc_training@ku.edu. Thank you.

Name: _____

Agency: _____

Address: _____

Phone: _____

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Please complete the following questions to receive a certificate of attendance.

- 1- What are the three phases of the driving task?

- 2- What are the common types of crashes associated with horizontal curves? (Select all that apply)
 - Rear-end
 - Run-off-road
 - Head-on
 - Right-angle
 - Opposite direction sideswipe

- 3- What are some of the differences between a roundabout and a traffic circle?

- 4- In response to several citizen complaints, you are asked to investigate the adequacy of sight distance at a stop-controlled intersection.
 - a) What reference would you use to establish the sight triangles?

 - b) Which of the following factors affect the size of the sight triangles? (select all that apply)
 - Approach grade
 - Type of vehicle
 - Approach speed
 - Width of the main street
 - All of the above

 - c) What are some of the common types of obstructions at an intersection?

- 5- According to the MUTCD:
- What is the minimum lateral clearance between edge of a sign and face of curb in an urban setting?
 - What is the minimum vertical clearance between top of the travelway and bottom of a sign assembly in a rural setting?
- 6- Complete the eight-Step Road Safety Assessment (RSA) by matching each step with its primary purpose. Enter the lower case letter of the item on the right beside the corresponding item on the left.

Step 1 __	a) Conduct start-up meeting
Step 2 __	b) Present findings to project owner
Step 3 __	c) Identify project
Step 4 __	d) Prepare formal response
Step 5 __	e) Conduct analysis and prepare report
Step 6 __	f) Incorporate findings
Step 7 __	g) Perform field review
Step 8 __	h) Select RSA team

- 7- What are the FHWA's proven safety countermeasures and their respective crash mitigation focus areas?

- 8- Match the following RSA tasks with the entity responsible to conduct the tasks. Enter the lower case letter of the item on the right beside the corresponding item on the left.

__ Prepare formal response	
__ Perform field review	a) Local agency (Project owner)
__ Select RSA Team	b) RSA Team
__ Participate in the start-up meeting	
__ Prepare formal report	

9- What are some of the RSA team members' qualifications?

10- As a result of a crash investigation, it has been determined that the predominant type of crash at a given location is the "run-off" the road colliding with a fixed object on the side of the road causing severe injuries. What order of treatment should be considered in order to reduce severity of the crashes?

11- The width of the bridge in this photograph is less than 16 feet. What types of crashes would you expect at this location? (Select all that apply)

- Collision with a fixed object
- Angle collisions
- Wet-weather related collisions
- Head-on crashes



12- For the high-crash site shown in this photograph, an RSA team has been selected to suggest potential low-cost safety improvements. Keeping in mind the criteria of low-cost countermeasures and the need to do something as soon as possible, what would be the most appropriate next steps to achieve substantive safety at this location? (Select all that apply)



Add a yellow overhead flasher

Add longitudinal rumble strips

Add a curve warning sign

Flatten the curve

Add chevrons