



Road Safety Audits (RSA)

California Division Office

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Learning Objectives

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- Explain what an RSA is
- Describe the steps in the RSA process
 - Define independent, multi-disciplinary team
 - Explain the role of GORE
 - Prioritize Safety Issues
- RSA benefit and resource
- Perform a simple RSA (location based), as a member of an RSA team



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RSA Definition

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A formal safety performance examination of an existing or future road or intersection by an independent, multi-disciplinary RSA team.



RSA Steps

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RSA Team
Design Team / Project Owner

- 1 Identify project
- 2 Select RSA team
- 3 Conduct start-up meeting
- 4 Perform field reviews
- 5 Conduct analysis and prepare report
- 6 Present findings to Project Owner
- 7 Prepare formal response
- 8 Incorporate findings





Selecting RSA Team

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- Independent
- Experienced
 - Operations
 - Geometrics
 - Safety
- Multi-Disciplinary
 - Enforcement
 - Maintenance
 - Specialist (e.g., school bus or CMV driver)



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Role of GORE

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- Geometry (e.g., curve and sight distance)
- Operations (e.g., queuing and turning movements)
- Road Users (e.g., pedestrians and motorcyclists)
- Environment (e.g., weather and lighting)



Prioritize Safety Issues: Estimate Risk

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Crash Frequency

Frequent

Occasional

Rare

C	D	E	F
B	C	D	E
A	B	C	D
Negligible Low Med High			

RISK CATEGORY
A = Lowest priority
F = Highest priority

Crash Severity



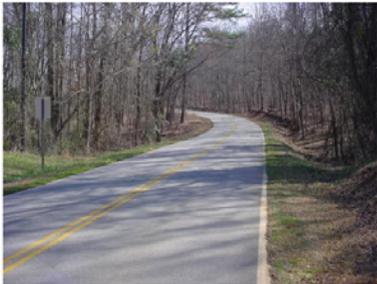
RSA Benefit

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SAFETY BENEFIT:
10-60%
Reduction in total crashes

Source: *Road Safety Audits: An Evaluation of RSA Programs and Projects*, FHWA-SA-12-037; and *FHWA Road Safety Audit Guidelines*, FHWA-SA-06-06.

Before



After





RSA Resource

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https://safety.fhwa.dot.gov/provencountermeasures/road_safety_audit/



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Cover of Julia Pfeiffer Burns State Park



Performing a simple RSA

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Thank you!

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