Chapter Overview Presentations

Twelve Chapter Overview presentations supplement the Guidelines document. Chapters 1-11 each have a Chapter Overview and an additional one summarizes appendices A-O.

These self-paced presentations are designed for individual use or for small group presentations where discussion can be accommodated. It is helpful to have the Guidelines document as a reference when viewing the presentations.

The Chapter Overview presentations are available on the ADOT Roadside Development Section website.

Navigate the Chapter Overview by scrolling through the pages.
Chapter 1: Introduction
Acknowledgments:

Arizona Department of Transportation

Guidelines for Highways on Bureau of Land Management and U.S. Forest Service Lands

Prepared by Wheat Scharf Associates and the Guidelines Steering Committee

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4 Roadway Design and Construction
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8 Storm Water and Pollution Control
9 Material Sites
10 Construction
11 Maintenance Operations

Appendices A - O
After reviewing the Chapter 1 Tutorial you should…

- Know the purpose and intent of the Guidelines.
- Understand how ‘Context Sensitive Design’ applies to transportation projects.
- Be able to define ‘MOU’, locate the BLM and USFS MOUs and know why they are important.
- Grasp the essence of the ADOT, FHWA, BLM and USFS Mission Statements.
- Understand the importance of sharing your transportation project experience to ensure quality projects.
- Know how and when to use the Guidelines.
- Be eager to complete the other Guidelines’ tutorials!
Chapter 1 Contents

1.1 Purpose and Intent of This Manual
1.2 Memoranda of Understanding
1.3 ADOT, U.S. Forest Service, Bureau of Land Management and Federal Highway Administration Missions
1.4 Learning by Example
1.5 Additional Resources
A complex network of highway corridors managed by the Arizona Department of Transportation (ADOT) connects Arizona’s diverse landscapes.

These corridors consist not only of the roadway, but also the constructed slopes, bridges, drainage structures, fencing, signs and intersections associated with the roadway.

BLM/USFS manage the full range of natural and cultural resources on agency lands. Where highway corridors are constructed within BLM/USFS boundaries, these agencies seek to minimize and mitigate highway-related disturbances to these resources.

It is important to integrate resource management concerns into the planning, design, construction and maintenance of highway corridors.

FHWA defines this integration process as Context Sensitive Solutions.
1.1 Purpose and Intent of This Manual

- Provide guidance for design, construction and maintenance of ADOT projects on lands managed by BLM and USFS.

- Describe accepted procedures, and the needs and concerns of each agency to facilitate creation of safe, environmentally sound and aesthetically pleasing highway corridors.

- Communicate philosophy, approach and examples from which new applications and techniques can be developed.
1.2 Memoranda of Understanding

- The ADOT-FHWA-BLM MOU and the ADOT-FHWA-USFS MOU are critical to the creation of highway corridors as they outline policies and procedures to establish and improve cooperative working relationships.
1.3 Agency Mission Statements

- **ADOT**: “To provide products and services for a safe, efficient, cost-effective transportation system that links Arizona to the global economy, promotes economic prosperity and demonstrates respect for Arizona’s environment and quality of life”.

- **FHWA**: “Enhancing mobility through innovation, leadership and public service”.

- **BLM**: “To sustain the health, diversity and productivity of the public lands for the use and enjoyment of present and future generations”.

- **USFS**: “To sustain the health, diversity and productivity of the nation’s forests and grasslands to meet the needs of present and future generations”.

1.4 Learning by Example

- The Guidelines ........
  - Summarize lessons learned from projects.
  - Introduce new techniques and public policies.

- Highway design, construction and maintenance will continue to evolve after the publication of this text.
  - To achieve high quality projects transportation personnel should continue to share lessons learned during all project phases with co-workers and colleagues.
1.5 Additional Resources

- U.S. Department of Transportation Federal Highway Administration: Context Sensitive Design
  

“Context Sensitive Design is a collaborative approach to developing and redesigning transportation facilities that fit into their physical and human environment while preserving the aesthetic, historic, community, and natural environmental values. CSD contributes to community, safety, and mobility.”
Summary

- **Use the Guidelines........**
  - Before beginning projects on Federal Lands.
  - As a reference for the planning, design, construction and maintenance of ADOT projects on lands managed by BLM and USFS.
  - To review accepted procedures, and the needs and concerns of each agency to facilitate creation of safe, environmentally sound and aesthetically pleasing highway corridors.
  - As a touchstone throughout projects.
  - As a resource to locate additional information sources.
Knowledge Check: Do you…….

- Know the purpose and intent of the Guidelines?
- Understand how ‘Context Sensitive Design’ applies to transportation projects?
- Know what ‘MOU’ stands for and why it’s important?
- Grasp the essence of the ADOT, FHWA, BLM and USFS Mission Statements?
- Understand the importance of sharing your transportation project experience to ensure quality projects?
- Know how and when to use the Guidelines?
- Want to review the other Guidelines’ tutorials?
Guidelines: Appendices

- Acronyms and Abbreviations
- Glossary of Terms
- ADOT-FHWA-USFS MOU
- ADOT-FHWA-BLM MOU
- Slope Design Details
- Easement Development
- Section 106 Process on Forest Service Lands
- Typical Blasting Plan Content
- Comparison of Permit Processes for Material Sites
- Signing
- Project Reference Fact Sheet
- Native Plant Salvage & Replanting Evaluation Guidelines
- References and Photography Credits
- Additional Photos (online appendix)
- Document Revision History
Purchase from:
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Phoenix, Arizona 85007-3217
Telephone: 602-712-8216 or 712-7498
Fax: 602-712-3235

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