

# Who is Beneficial Designs?

Beneficial Designs works towards universal access through research, design, and education. We believe all individuals should have access to the physical, intellectual, and spiritual aspects of life. We seek to enhance the quality of life for people of all abilities, and work to achieve this aim by developing and marketing technology for daily living, vocational, and leisure activities.

# Accessibility Workshop for Outdoor Developed Areas





**Peter Axelson,**  
**Founder and Director of R&D,**  
leads BD and spends much of his time traveling throughout the world to attend meetings and present our work. He's also a pilot and avid mono-skier.



# Beneficial Design's History with Outdoor Recreation

ADA Outdoor  
Recreation  
Committee



# Workshop Agenda

Module 1: Why Accessibility and a Transition Plan are important and Where to Start

Module 2: Outdoor Recreation Trails and Access Routes

Module 3: Outdoor Constructed Features

# Workshop Agenda

Module 4: The Developed Outdoor Recreation Assessment Process (DORAP)

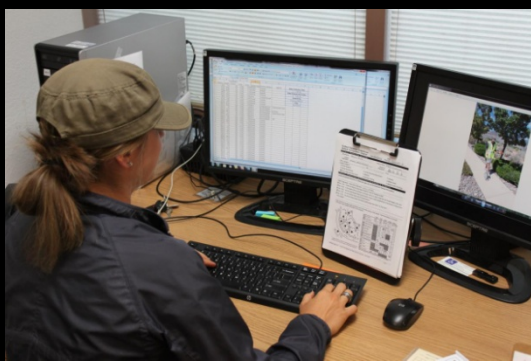
Module 5: DORAP Field Session (?)

Module 6: How to communicate Access through Signage

Module 7: Implementing a Transition Plan and Summary

# Why is Assessment of Outdoor Developed Areas Important?

Physical Access Barriers



Asset  
Management

It is the law...



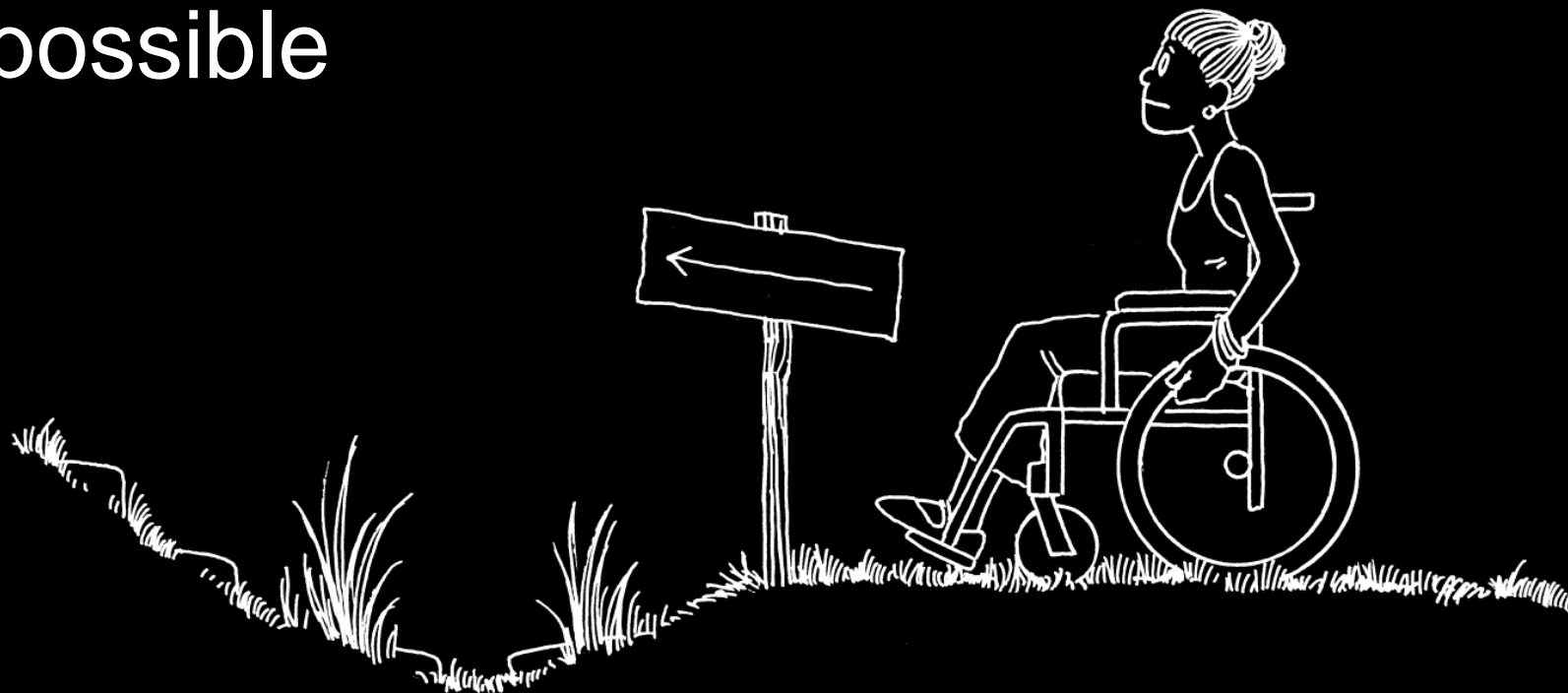
# Physical Access Barriers





# Greatest Barrier to Outdoor Facility and Trail Use

Lack of knowledge about actual on-site conditions or about where access is possible



# Universal Design

Philosophy that designs for all potential users to the greatest extent possible

Principles include:

- equitable use
- flexible use
- simple & intuitive use
- perceptible information
- tolerance for error
- low physical effort
- size and space for approach and use

# Asset Management

Compile a complete inventory of Features, Barriers, and potential hazards

Create annual re-evaluation schedule

Manage End-of-Life and replacement schedules

Prioritize funding allocations



# Legal Requirement of the ADA

Discrimination... includes a failure to design and construct facilities... that are readily accessible to and usable by individuals with disabilities.

Alterations...shall be made so as to ensure that, to the maximum extent feasible, ...are readily accessible to and usable by individuals with disabilities, including individuals who use wheelchairs.

(Subpart D of 28 CFR Part 36)

# Why use the ABA (Title I) when governed by the ADA (Title II)

ADA - where no standards exist...  
general non-discrimination prohibition  
and program accessibility requirements  
for state and local governments apply  
(includes Trails, Picnic & Camping  
Elements, and Viewing Areas)

To determine appropriateness of using  
ABA Chapter 10 for access routes  
contact the **DOJ – 800-514-0301**

# ADA Transition Plan is Required by Law

Title II of the ADA [28 CFR Section 35.150 (d)(1)] requires that state and local entities develop a Transition Plan.

*(d) Transition plan. (1) ...a public entity that employs 50 or more persons shall develop... a transition plan ...*



# Requirements of The Transition Plan

- (i) Identify physical obstacles...
- (ii) Describe in detail the methods...
- (iii) Specify the schedule... to achieve compliance...
- (iv) Indicate the official responsible for implementation

Title II of the ADA [28 CFR Section 35.150 (d)(3)]

# Where to begin?

## Appoint an ADA Coordinator

Certification process available through Great Plains  
ADA Center & University of Missouri – School of  
Health Professions

[www.adacoordinator.org](http://www.adacoordinator.org)

## Establish ADA Grievance Policy

## Generate Public Participation in Methods and Process

## Perform a Self Evaluation



# Perform the Self Evaluation

Priority elements first

- Primary Features
- Highly Used
- Accessory Facilities



# What criteria do I use to evaluate my Outdoor Recreation Areas?

Architectural Barriers Act, Chapter 10  
(Federal only)

Forest Service Outdoor Recreation  
Accessibility Guidelines (FSORAG)

Forest Service Trail Accessibility Guidelines  
(FSTAG)

Research local PW, Building, & Parks  
Departments to identify adopted codes

# Outdoor Developed Areas

## Picnic/Camping



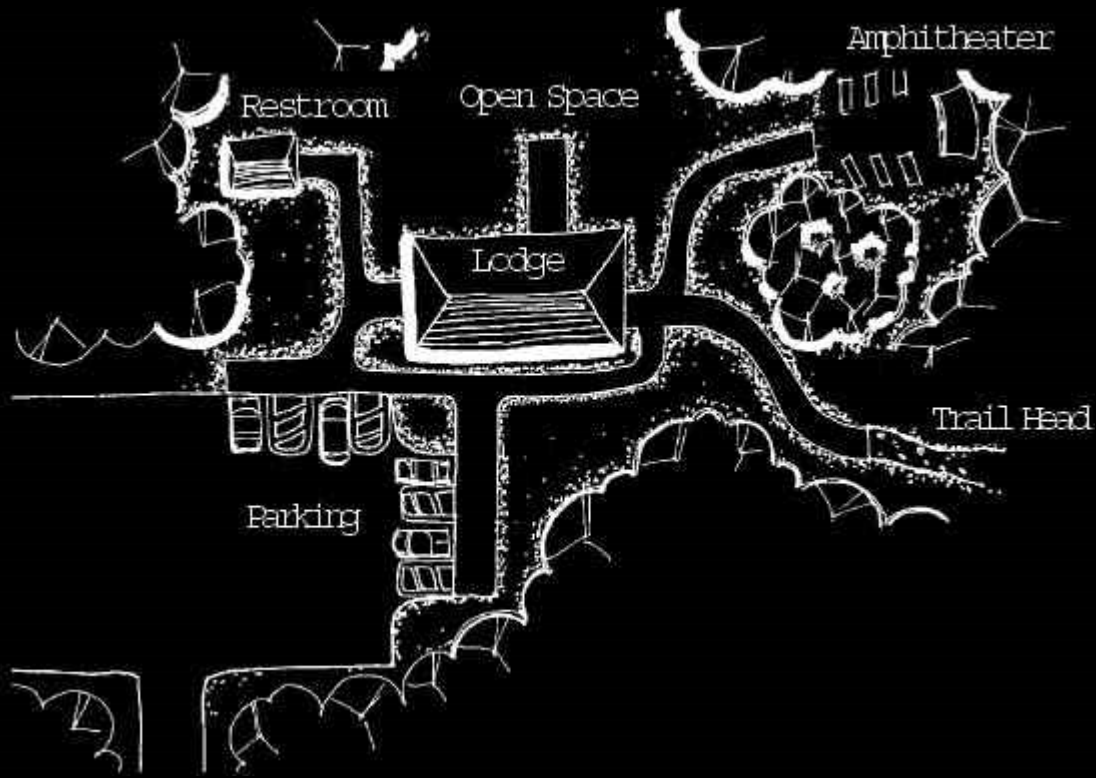
# Outdoor Developed Areas

## Viewing Areas



# Outdoor Developed Areas

## Outdoor Recreation Access Routes (ORAR)



# Outdoor Developed Areas

## Trails



# Outdoor Developed Areas

## Beach Access Routes



# Acknowledgement

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*Working toward universal access  
through research, design & education*