Walkable Communities: Designing for Pedestrians is a pedestrian facility design training course on video, sponsored by the Washington State Department of Transportation.

This course shows how to make communities "walkable" by giving examples of the principles of design for sidewalks, intersections, mid-block and other types of crossings, maintenance, and street related ADA design and accommodations. Technical knowledge is provided, in a manner understandable to non-professionals.

Viewers of this video training sequence will learn to identify:
- Key pedestrian planning issues.
- Ways to make intersections work better for pedestrians and motorists.
- Key requirements of the Americans with Disabilities Act (ADA).
- Designs that can make mid-block crossings easier and safer.
- Traffic calming techniques that can benefit pedestrian movement.
- Common pedestrian-motor vehicle crash types, and ways to reduce them.
- Ways to increase the viability of business districts by considering pedestrians.

The course is a videotape presentation conducted by Dan Burden of Walkable Communities, Inc., High Springs, Florida. The presentation was delivered at the Footprints and Bike Tracks Pedestrian and Bicycle Safety Conference, October 10, 1996 at the Seattle Center in Seattle, Washington.

Seattle, Washington is famous for its interconnected pedestrian and bicycle trails, which run throughout the city and into the outlying areas. To complement the trails, the city has implemented a free bicycle program. Used bicycles are repaired, and painted a uniform color. They are freely available for public use along the trail system. Anyone can "steal" one these bikes, drive it to their desired destination, and just leave it there for someone else to use.

Common Characteristics of Pedestrian Friendly Communities:
- Continuous Systems/Connectivity
- Separation from Traffic
- Pedestrian Supportive Land-use Patterns
- Well-Functioning Facilities
- Designated Space
- Security and Visibility
- Linkages to a Variety of Land-uses
- Coordination Between Jurisdictions
- Automobile not the only Consideration
- Appropriately Located Transit
- Pedestrian Furnishings
- Accessibility by all Users

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TTAP Regional Tribes

Aroostook Band of Micmac Indians
Bad River Band of Lake Superior Chippewa Indians
Bay Mills Indian Community
Bois Forte (Nett Lake) Band of Chippewa
Catawba Indian Tribe
Cayuga Nation of Indians
Chitimacha Indian Tribe
Coushatta Indian Tribe
Eastern Band of Cherokee Indians
Fond du Lac Reservation Tribal Council
Forest County Potawatomi Community
Grand Portage Reservation Tribal Council
Grand Traverse Band
Gun Lake Band of Potawatomi
Hannahville Indian Community
Ho-Chunk Nation
Houlton Band of Maliseet Indians
Jena Band of Choctaw Indians
Keweenaw Bay Band of Lake Superior Chippewa
Lac Courte Oreilles Band
Lac du Flambeau Band
Lac Vieux Desert Band of Lake Superior Chippewa
Leech Lake Reservation Tribal Council
Little River Band of Ottawa Indians
Little Traverse Band of Odawa Indians
Lower Sioux Indian Community
Mashantucket Pequot Indian Tribe
Mdewakanton Sioux
Menominee Indian Tribe
Micosukee Indian Tribe
Mille Lacs Reservation Tribal Council
Minnesota Chippewa
Mississippi Band of Choctaw Indians
Mohegan Tribe of Indians
Narragansett Indian Tribe
Huron Band of Potawatomi
Oneida Nation of Indians
Oneida Tribe of Indians
Onondaga Nation of Indians
Passamaquoddy Tribe Indian Township Reservation
Passamaquoddy Tribe Pleasant Point Reservation
Penobscot Nation of Indians
Porch Band of Creek Indians
Pokagon Band of Potawatomi
Prairie Island Indian Community
Red Cliff Band of Lake Superior Chippewa Indians
Red Lake Band of Chippewa Indians
Sac and Fox Nation
Saginaw Chippewa Tribe
Sault Ste. Marie Tribe
Seminole Indian Tribe
Seneca Nation of Indians
Shakopee Mdewakanton Sioux Community
Shinnecock Nation
Sokagun Chippewa Mole Lake Indian Community
Stockbridge/Munsee Community
St. Croix Chippewa Indians
St. Regis Mohawk Tribe
Tonawanda Band of Seneca Indians
Tunica-Biloxi Indians of Louisiana
Tuscarora Nation of Indians
Unkecheche Nation
Upper Sioux Community
Wampanoag Tribe of Gay Head Aquinnah
White Earth Reservation Tribal Council

Greetings...from the TTAP

Don't forget to try out Dr. Alkire's new interactive highway design software, available on our Internet home page. Just click on the moving ribbon across the top of the screen, and have fun!

This issue of Pathways contains information on designing for pedestrians and bicycles, preserving and maintaining bridges, replacement housing and business relocation, scholarship and youth opportunities, and numerous upcoming training events.

Here's hoping you have a wonderful summer, and a productive and safe construction season!

Alice Karsama, Editor

Visit our Internet Home Page at: http://www.ttap.mtu.edu

Pathways is published quarterly by the Tribal Technical Assistance Program, in the Transportation Center at Michigan Technological University. The Tribal Technical Assistance Program is part of a nationwide effort jointly financed by the Federal Highway Administration and the Bureau of Indian Affairs. It intends to relate the latest technology and information on tribal roads and bridges, tourism and recreational travel, and related economic development to tribal transportation and planning personnel. TTAP's regional tribes are those in the BIA agency's Minneapolis and Eastern Areas. Contact the TTAP office for a free Pathways subscription or to submit articles and suggestions.

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U.S. Department of Transportation
Federal Highway Administration
Bridges: ~ Maintaining the Past ~ Preserving the Future

A new source of funding for maintenance and preservation of highway bridges became available in January 2002, when FHWA announced that Highway Bridge Replacement and Rehabilitation Program (HBRRP) funds can be used to perform preventive maintenance on highway bridges.

Preventive maintenance activities that are eligible for funding include sealing or replacing leaking joints; applying deck overlays that will significantly increase the service life of the deck; painting the structural steel; and applying electrochemical chloride extraction treatments to decks and substructure elements.

"No matter how smooth a road feels, or how good it looks, ultimately it is only as good as the bridge that will eventually connect it," according to Pennsylvania DOT Engineer, Gary Hoffman. "There must be a recognition and willingness to do the maintenance and preservation work with the first available dollars, not the last. With maintenance first, as our underlying philosophy, Pennsylvania's bridges will be able to meet the needs of our customers today and in the years ahead."

Chief, Leroy Gishi of the Bureau of Indian Affairs has provided this video to the TTAPs, BIA Division Transportation staff, and Regional Roads Engineers.

Call TTAP to borrow this videotape.

To order your own copy of the video, or for more information on bridge preservation and Federal aid funding, contact your FHWA division office (see list at right) or Ray McCormick at Federal Highways.

Ray McCormick, FHWA
Telephone: 202-366-4675
E-mail: raymond.mccormick@fhwa.dot.gov

New in the TTAP Library . . . Training Tools about Bridges

From the FHWA Office of Bridge Technology:

Pennsylvania Bridges: Maintaining the Past - Preserving the Future (Video)

This 8-minute video provides a good overview of why bridge preservation and bridge maintenance are important, with emphasis on the right treatment, at the right time, on the right bridge to extend the life of a bridge. If you have questions or comments, contact Mr. Wade F. Casey, Indian Reservation Roads Engineer, at 202-366-9487.

CD & Video From the National Wood in Transportation Program:

Information on Modern Timber Bridges in the United States, 1988-2001 (CD)

U.S. Department of Agriculture
Forest Service
Forest Products Laboratory
www.fpl.fs.fed.us/

U.S. Department of Transportation
Federal Highway Administration
www.fhwa.dot.gov/

National Wood in Transportation Information Center
www.fs.fed.us/na/wit/

Prefabricated Timber Bridge Deck Panels (Video)

This video illustrates a relatively low cost method to build timber bridges indoors. The process involves indoor fabrication of timber decks, which are designed to be supported on galvanized steel stringers. It keeps employees busy indoors in bad weather, and produces bridges faster, so installation of bridges takes less time. The process was designed by Engineer John Smolen of Ohio.
Designing Walkable Communities, continued from Page 1:

The Federal Highway Administration brochure "A Walkable Community" (see photo at right) focuses on the design of safe and successful pedestrian facilities.

A Crash Group/General Engineering Countermeasure Matrix identifies potential solutions for use by safety practitioners. This matrix is particularly helpful as a categorical resource of potential countermeasures, which may be implemented at locations to address a particular pedestrian crash type. Some of the engineering countermeasures are illustrated on a reference map.

The Matrix should be used in conjunction with local site data, including the number of pedestrian crashes and types, traffic and pedestrian volumes, vehicle speeds, and road width to develop the most suitable countermeasures.

Conscientious planning, effective education programs, and consistent safety and law enforcement also contribute to improving our communities for pedestrians. A "walkable" community is much more than just sidewalks.

For more information on Seattle's bicycle and pedestrian facilities, visit the following internet sites:

www.ci.seattle.wa.us/td/bikeprog.asp
www.ci.seattle.wa.us/td/bicycle.asp
www.ci.seattle.wa.us/td/pedhome.asp

To order training materials, contact TTAP at 888-230-0688 or 906-487-3475. You can also visit TTAP's internet site at www.ttap.mtu.edu to learn more about this subject.

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Real Estate Acquisition Under the Uniform Act: An Overview
National Highway Institute (NHI)
WEB Course # 141045 - Winter 2002

DESCRIPTION
The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (Uniform Act), is the basis for federally funded real estate acquisition programs. The goal of this course is to help participants recognize what they need to know when acquiring real estate for a federally funded project.

TARGET AUDIENCE
Federal, state, and local government employees and consultants who acquire real estate; who serve as program/project managers; who serve as grant administrators or grant recipients. This includes Acquisition and Relocation Agents, Appraisers, Realty Specialists, Attorneys, Engineers, Planners, etc.

OBJECTIVES
Upon course completion, participants will be able to:
• Provide a basic overview of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (Uniform Act.)
• Discuss the three key elements of the Uniform Act: Valuation/Appraisal, Acquisition, and Relocation.
• Explain how to develop an estimate of just compensation through the use of the appraisal process or appraisal waiver procedure(s).
• Define the process through which real estate is acquired.
• Identify relocation benefits and services required by the Uniform Act.
• List places to obtain relevant resource documents/materials.

FEE: $150 per participant for 4-6 hours.

NHI TRAINING OFFICER
Mila Plosky (703) 235-0527
Mila.Plosky @fhwa.dot.gov

SUBJECT MATTER CONTACT:
Bryan O'Neill (202) 366-9881
Bryan.O'Neill @fhwa.dot.gov

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New Video at the TTAP Library...
"Comparable Concepts for Replacement Housing, Business Relocation"

This new video explores the concept of replacement housing for displaced owners and tenants under the Uniform Act and 49 CFR, Part 24.

The video would be useful to anyone engaged in relocation work, especially those dealing with business moves. It is useful for relocation agents working on federally assisted projects for governmental agencies, as well as Local Public Agencies. It discusses when, and how, housing is made available.

Business moves have been one of the more complex aspects of the Uniform Act and the accompanying regulations 49 CFR, Part 24. The flexibility needed to make the regulations functionally effective also leads to confusion.

This videotape from Federal Highways intends to provide an overview of the business moving process, with some added detail on common areas of confusion.

This can also be found at:
http://www.fhwa.dot.gov/realestate
On-Site "Live" Training
Just $125 per Session!

Imagine training your entire staff for only $125 per session right in your own facility!

Here's how it works: with full-time educators from the national Local Technical Assistance Program (LTAP) coupled with the American Public Works Association's (APWA) audio web-based conferencing format, we are able to bring America's finest professional road and bridge instructors directly into your facility.

APWA's Click, Listen & Learn format takes advantage of technology already sitting on your desk: a speakerphone and a PC with an Internet connection. Participants receive the audio by phone, and interact with the visual presentation via the web.

Every session will be an interactive, information packed, no frills experience compacted into a two-hour time frame.

Each session includes a downloadable workbook to be duplicated for each participant, plus interactive Question & Answer availability throughout.

The $125 registration fee covers everyone at your site. Your staff can gather around a desktop, or take advantage of a conference room setting.

Don't miss this remarkable opportunity. Check out the topics listed, and register today at: www.apwa.net/education/OnlineRegistration/index.asp.

If you have any questions, just contact Gib Peaslee at 452-392-2371, ext. 245, or email gib@ce.ufl.edu.

Source: American Public Works Association

Register on the Internet for any of these courses, through the APWA web site:

www.apwa.net/education/OnlineRegistration/index.asp

Implementing GASB 34 - What it Means For You
Wednesday, July 17, 2002 Site Fee: $125
11:00-1:00 Eastern - 10:00-12:00 Central
Instructor: William Mobbs, Cornell (NY) Local Roads Program, Cornell University

If you're thinking that GASB 34 is not going to be of much value to you, you're about to be mighty surprised. Find out how and why these reporting standards will benefit your agency's infrastructure management program.

Effective Use of Chemicals & Abrasives for Winter Road Maintenance
Tuesday, October 29, 2002 Site Fee: $125
11:00-1:00 Eastern - 10:00-12:00 Central
Instructor: Don Walker, Wisconsin LTAP, University of Wisconsin - Madison

Attendees learn the basics of chemical and abrasive usage for snow and ice control, review new chemicals, and gain an understanding of how pre-wetting and anti-icing can be effective for improved safety of local and state roads.

Risk Management & Tort Liability on the Roadways - What You Need to Know to Protect Your Agency!
Thursday, December 5, 2002 Site Fee: $125
11:00-1:00 Eastern - 10:00-12:00 Central
Instructor: Mike Blankenship, Manager, W.V. LTAP W.V. University

This program identifies common liability issues faced by street departments and highway agencies. Included are traffic control devices, roadway surface conditions, shoulders and work zones. Risk management strategies to reduce or prevent accidents and tort liability suits will be presented.


**The AISES 2002 Circle of Life Essay Scholarship Program**

February 2002 - June 2002

The American Indians in Science and Engineering Society (AISES) is calling for participation of pre-college Native American students in the Circle of Life Essay Program.

All teachers, especially those teaching English composition, are asked to encourage class participation in this essay program. Membership in AISES is encouraged, but is not required.

Students shall write about their values, be they spiritual and/or traditional, that will guide them throughout their lives. These values are like the spokes of a wheel, which give strength to our inner and outer circle of life.

**Awards**

The top three students whose essays most clearly express their values will be awarded cash prizes ($1,000, $500, $250) and publication in the *Winds of Change*.

**How to Apply**

There is no application form. Response to this notice is sufficient with the following:

1. Two copies of the essay (if possible)
2. Student's name
3. Address
4. Home phone (or other summer 2002 contact number) and email address
5. Name of school attended
6. Current grade level and age
7. Name of Tribe with enrollment proof/Certificate of Indian Blood
8. Signed release for educational use of essay
9. Short Biography

**Circle of Life Information:**

Lori Sherman (906) 487-2920
Email: lasherma@mtu.edu

**Circle of Life Website:**

www.ttap.mtu.edu/col/index.html

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**American Indian Workshop**

**MTU Youth Programs 2002**

JUNE 16 - 22, 2002

Houghton, Michigan

You are invited to meet Native American students from all over Michigan and surrounding Indian communities to find out what MTU campus life is all about.

**The Program...**

MTU's American Indian Workshop (AIW) provides an opportunity to learn more about biology, computers, mathematics, or chemistry, and develop the confidence and experience you need to prepare for college. No prior experience is necessary.

**Who is eligible...**

Native American students in grades six through nine, or ages 12-15, are invited to apply. Participants are selected on the basis of their completed applications and recommendations. Students who attend this workshop may choose from four areas of study.

**Cost...**

Michigan residents who are selected to attend will be awarded a full scholarship, including tuition, meals, housing, and lab fees. Tuition for nonresidents is $465.

**Location...**

This week-long workshop is held at Michigan Technological University in Houghton, Michigan. MTU can help with transportation, within Michigan's Upper Peninsula, to and from the program. For more information, call 906/487-2219 or email: yp@mtu.edu

**Activities...**

Weekend and evening recreational activities include a picnic, swimming, volleyball, basketball, weightlifting, movies, and group games.

**Four Study Areas...**

**Biology: Human Health & Ecology**

Your biology experience covers two areas: human health and ecology. Human health focuses on learning about the heart, lung, and nervous systems. You will dissect sheep hearts and eyes and examine a calf brain. Ecology involves a hunt for organisms in local forests, lakes, and streams. A study of plant and animal habitats and adaptations to their environment is also covered.

**Computers: The World Wide Web**

Presentations, demonstrations, and field trips introduce you to a variety of activities. Modern uses of computer technology will be explored, including e-mail, word processing, HTML Web language, and graphics. You will also experience research-related applications of computers, including programs. The week will end with discussions about career options in computer-related jobs.

**Mathematics**

Have you taken math courses and wondered, "when will I ever need this?" Come see. You will discover a relationship with mathematics and the real world. You will move beyond textbooks and blackboards by taking a closer look at how math arises in daily events. Hands-on problems and fieldtrips will be used to show you where and how math is used.

**Chemistry**

Chemistry is the science of all forms of matter and materials. Discover interesting aspects of our environment and investigate many topics in modern chemistry. You will prepare polymer materials and make useful and interesting items from them; explore the chemistry of living systems; produce and analyze common pharmaceuticals (such as aspirin;) explore and test the inorganic chemistry of minerals and the environment. You will also examine light emission from chemical reactions and other phenomena.
Highway Technician Certification Program Has New Director

The Highway Technician Certification Program, located at the University of Wisconsin, has a new director. Pathways will be publishing an article by Mr. Spellman about the program in the near future. Until then, please contact Mr. Ray Spellman to find out more about the training and certification available through his program.

Mr. Ray Spellman
University of Wisconsin-Platteville
1 University Plaza
608-342-1545
Email: spellman@uwplatt.edu
49 Ottensman Hall
Platteville, WI 53818
608-342-1982

Great Lakes Area Boilermakers Apprenticeship Program

NOTICE - Acceptance of Applicants
Local #107, Waukesha, Wisconsin

Applications for Construction Boilermaker Apprentice will be accepted by the Great Lakes Area Boilermakers Joint Apprenticeship Committee at the following location, dates and times:

Location:
Laborers Local #1407, 220 Johnson Street, Wisconsin Rapids, WI

Dates & Times:
Tuesday, June 18, 2002 9:00 am to 3:00 pm
Tuesday, July 16, 2002 9:00 am to 3:00 pm
Tuesday, August 20, 2002 9:00 am to 3:00 pm
Tuesday, September 17, 2002 9:00 am to 3:00 pm

Every applicant must supply a copy of their BIRTH CERTIFICATE and HIGH SCHOOL DIPLOMA / G.E.D. that the Committee can keep at the time of filing an application for apprenticeship.

The recruitment, selection, employment and training of apprentices during their apprenticeship shall be without discrimination because of race, color, religion, national origin, or sex.

Welding Qualification:
Applicants that have a welding certification or weld training qualifications will have priority selection over applicants with no welding qualifications. Applicants must provide a copy and proof of welding certification or weld training qualification at time of application.

Great Lakes Area Boilermakers Apprenticeship Program

Events Calendar

June 9-11, 2002
ORLANDO, FL
National Lifesavers Conference on Highway Safety Priorities
Internet: www.lifesaversconference.org

June 10-13, 2002
NASHVILLE, TN
Sheraton Nashville Downtown
United Southern & Eastern Tribes (USET) Semi-Annual Meeting
Contact USET: 615-872-7900
Internet: http://usetinc.org

June 16-19, 2002
BISMARCK, ND
National Council of American Indians - Midyear Conference
"Creating Our Own Roads To Success: Strategies & Skills To Achieve Tribal Economic Prosperity"
Contact NCAI: (202) 466-7767
Register Online: http://www.ncai.org/

June 18-21, 2002
NASHVILLE, TN
Harrah's Cherokee Casino, N. Carolina
4th Annual NATHPO Meeting
National Association of Tribal Historic Preservation Officers
Contact Bambi Kraus: 202-454-5664

October 28-31, 2002
UNCASVILLE, CT
Hosted by the Mohegan Tribe at their new Mohegan Sun Hotel
United Southern & Eastern Tribes (USET) Annual Meeting & EXPO
Contact USET: 615-672-7900
Internet: http://usetinc.org

October 29-31, 2002
ALBUQUERQUE, NM
5th Annual Tribal Road Conference
Contact Colorado TTAP: 800-262-7623
Internet: http://ttap.colostate.edu
5th Annual National Tribal Road Conference
October 29-31, 2002
Hyatt Albuquerque

Sponsored by the FHWA, the BIA, and the TTAP Program Centers:
CA and NV TTAP
Colorado State University TTAP
Northwest Tribal LTAP
TTAP at Michigan Tech University
Oklahoma TTAP
Northern Plains TTAP

Call the Hyatt Albuquerque to Request Reduced Rates at:
505-842-1234 or 800-233-1234

To receive conference announcements electronically, visit the website:
http://www.ttap.colostate.edu

Pathways
Published by the Tribal Technical Assistance Program
at Michigan Technological University

Sponsored by the Federal Highway Administration and the Bureau of Indian Affairs