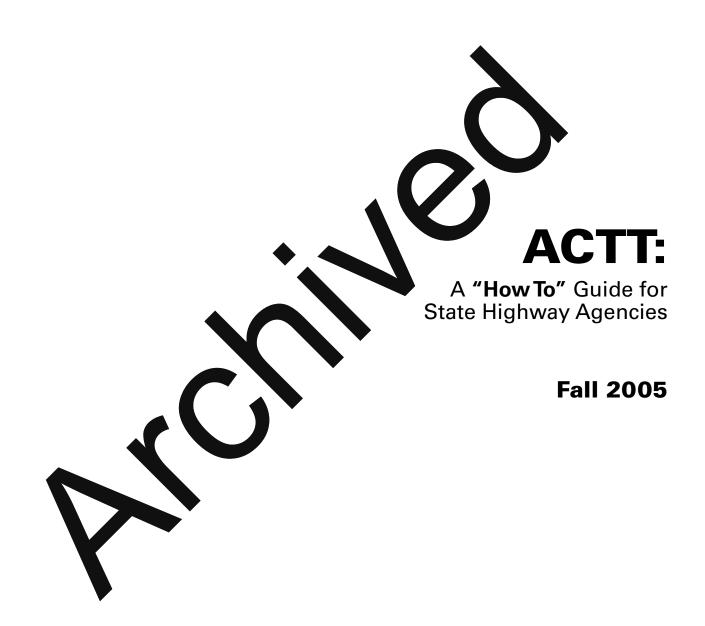


ACCELERATED CONSTRUCTION TECHNOLOGYTRANSFER www.fhwa.dot.gov/construction/accelerated







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Dear Colleagues:

What do you call a 2-year old accelerated construction program that has attracted the commitment of half of the 50 States, with over 40 percent of the remainder in the wings for the coming year? A revolution. Or you might use its more familiar name: Accelerated Construction Technology Transfer – or ACTT.

Why ACTT and why ACTT now?

- ▶ Because millions of dollars and years of disruption have been shaved off construction plans and forecasts by States who have used the ACTT process. In fact, most ACTT workshops have resulted in a reduction of construction time by 30 percent or more.
- ▶ Because States can now use Federal funds to deploy the ACTT process, in some cases waiving State matching requirements.

The ACTT brings members of your team face-to-face with top national experts in a range of skill sets for a 3-day onsite workshop that identifies innovative approaches to reduce time out, accelents and congestion on a given roadway or corridor project, while improving roadway performance. Your team benefits from the insights of nationally-recognized experts, the stimulation of unattered brainstorming, and the excitement of innovation that are products of the workshop the east.

The ACTT was developed by State and Federal highway officials as an <u>owner agency tool.</u> After rapid adoption by so many States, the time has the transfer significant responsibility for vigorous use of the program to agencies like yours.

But how do you ACTT?

The ACTT Management Team with the you plan organize and carry out your ACTT workshops. **Just** call (202) 366-1333 or email james sorenson was dot.gov to start the process today.

unding partners, through its Technology Implementation Just 2 years ago, AASHTO Group (TIG), envisioned national expertise could be brought to bear on local framework in wi leash their talents and experience to produce solutions that projects and local pract ners could w the nation is benefiting from TIG's commitment. Some would rise to nat inence. States have us CTT mult and Pennsylvania currently has numerous ACTT projects in various stages of elopment.

Inglied profession, we hark to the customer drumbeat: "better, faster, cheaper." We strive for importance that allow us to "Get in, Stay in (and get it done right), Get out, and Stay out." Why fact these challenges alone? Why address them with traditional tools? Hasn't the time come for you to ACT cache full ACTT team – AASHTO, FHWA, and industry – stand ready with the materials, experts, and in a structure you need to adopt ACTT as standard practice in the project development phase of your axer cy's construction activity. Call to learn more or to set up your ACTT workshop today.

Gary L. Hoffman, P.E.

Chair, AASHTO Technology Implementation Group Deputy Secretary for Highway Administration Pennsylvania Department of Transportation King W. Gee Associate Administrator for Infrastructure Federal Highway Administration

Executive Summary A Call to Action



This guide is a call to action: It transfers the opportunity for routine use of the now-popular Accelerated Construction Technology Transfer process from a handful of innovators to State owner agencies —with support from Federal Highway Administration divisions, ACTT Skill Set Team Leaders, and the Skill Sets Council. All these stakeholders are determined to spare motorists and communities from any avoidable construction-related traffic disruption, while helping agencies deliver state-of-the-art roadways that meet the demands of our increasingly mobile society.

What is ACTT? It is a process that assembles a team of "best in field" national least is in common skill sets and delivers them to State project sites for structured workshops hosted by State in thway agencies planning major construction projects. National and local counterparts meet to eview project details, targeting innovations and solutions that reduce construction time, save money improve salt the elevate quality and help agencies meet — or exceed — project goals.

How prevalent is ACTT? In less than three years, <u>half of the 50 states have backed or scheduled ACTT</u> workshops for one or more projects – and a dozen more are lined up for tature essions.

Powered by Federal, State and industry partners committed to culture construction time and curbing congestion for customers, the Accelerated Construction Technology Transfer process is taking root as a standard practice. In the early strategic planning of kinaryay projects, enterprising planners, managers and engineers have seized the initiative to draw national expense to their own ACTT workshops with the sole purpose of fast-tracking quality construction.

The program enters an evolutionary phase in tan 2005: the transition of implementation to State project delivery teams with facilitation from the Accelerated Construction Management Team (ACMT). The ACMT will help States routines a corporate ACTT into major reconstruction and rehabilitation projects or corridors, boosting the rapid transfer of tesh technology solutions, minimizing risk, potentially saving construction time and dollars.

This "How To" tude outlines the stees an agency takes before, during and after ACTT workshops. The ACMT will administer portions of ACTT and analyze recurring workshop recommendations to spotlight transitions that save enstruction time and costs.

The ACMT's available to help owner agencies plan, organize and carry out ACTT workshops, maintaining a database of Skill Set experts and mobilizing the program's resources in support of State departments of transportation.

The Construction & System Preservation Team (C&SP) of the FHWA Office of Asset Management and the Construction and Project Management Technical Services Team in the FHWA Resource Center stand ready to support and advise as States and FHWA field offices adopt ACTT and document their results. Jim Sorenson of the C&SP Team serves as ACTT Program Manager and is available at (202) 366-1333 and james.sorenson@fhwa.dot.gov.

Contacts for the Accelerated Construction Management Team and Skill Set Team Leaders are listed in this guide's appendices and at www.fhwa.dot.gov/construction/accelerated.



Who?

Owner agencies in 19 states have conducted or planned 21 ACTT workshops since 2002 (see Appendix F). In the crucial early phases of construction project development, they bring to bear ACTT's team of national experts who represent AASHTO, FHWA and industry and are drawn from a national resource pool. The ACTT Skill Sets Council represents skill sets essential to highway planning, environment, design, contracting, financing and construction. Face-to-face, local stakeholders and experts evaluate all facets of specific projects. They plan, problem-solve, share information and spotlight creative ways to reduce construction time, improve safety, elevate quality, and reach — or exceed — project goals.

Skill Sets of Experts Sent to the Are

Innovative Financing/Innovative Contracting

ROW/Utilities/Railroad Coordination

Environment

Geotechnical/Materials/Accelerated Testing

Traffic Engineering/Safety/ITS

Structures
Public Relations

Construction

Roadway / Geometric Design

Long Life Pavements/Maintenance

acy tool. The Transportation Research Board, ACTT works because it was designed as an owner American Association of State Highway on Officials, and FHWA piloted the program anspor and continue to support worksh te the resulting solutions. ACTT, however, belongs dissen to, and most benefits, the States. As ram innov s pass the baton and State agencies take on new ing ACTT as standard practice, the Accelerated Construction responsibilities for initiating plen Management Team will be vailable to assis ate DOTs and FHWA Divisions.

What's New? The Accelerated Construction Management Team

Mission: Provide State agencies with the necessary support to incorporate ACTT routinely into planning for any appropriate project.

Compound the benefits of innovation and expertise by rapidly transferring top technology solutions to those who can use them, ultimately making it easier to openly exchange good practices in highway construction.

Contacts: See Appendix A

What?

The overarching purpose of advancing and institutionalizing ACTT is to help unleash the opportunities inherent in unfettered mobility. ACTT is an increasingly popular strategic tool that identifies innovative technologies and techniques to help State transportation agencies reduce construction time on specific projects or corridors. An intensive workshop is the centerpiece of the process that teams national transportation professionals with their local counterparts to focus on ways host agencies can meet – and beat – ambitious project goals. ACTT workshops have focused on projects with budgets ranging from \$1 million to more than \$2.5 billion.

Workshop recommendations and proceedings are documented in comprehensive reports that are whely circulated among stakeholders. Please visit www.fhwa.dot.gov/construction/accelerated to view the reports

When?

Between Spring 2002 and Summer 2005, 21 ACTT workshops helped 19 States pain projects with goals of slicing construction time by four months to five years, depending on the scope of the projects. Seven new ACTT workshops are planned for the remainder of 2005 and 2006, and 11 States and the District of Columbia are considering forums for 2006 and beyond. The full roster is at Appendix 1.

Where?

The ACTT team of national experts, hand taked for the stablenges of a given project, converges at a meeting locale near the anticipated construction site. They want the site and brainstorm with local stakeholders to address the opportunities and obscales ahead.

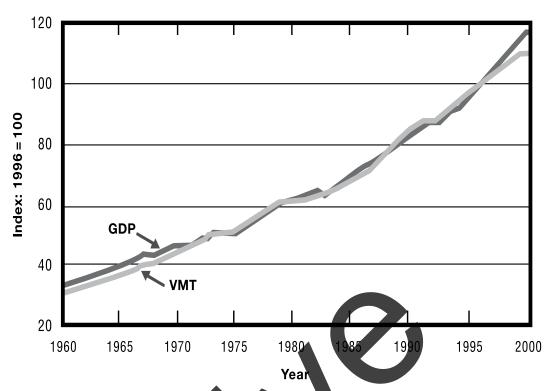
Why?

Most ACTT workshops result in recommendation, that shorten construction time by 30 percent or more. They spark ideas for millions in cost savings and produce congestion-busting solutions early in the project development process.

The TRB, AASLT O and Pittle asked in 1996 what it would take to give agencies a tool that addresses the necessary challenges of system improvements on the one hand, and the taxpayer desires for minimal work zone congestion and construction time on the other. An answer: the ACTT approach that partners local project representatives with national experts to evaluate all facets of a given project or corridor in provement.

Construction under traffic is the primary challenge facing owner agencies. The numbers are well known: the nation's traffic volume increased more than 75 percent in recent decades while highway capacity grew by just two percent. Figure 1 shows how closely traffic volume is related to increases in economic growth, indicating the true cost of lagging capacity.

While an aging system, limited capacity growth and increasing traffic demands challenge the most visionary of agency professionals, ACTT delivers a host of resources to help States meet – and beat – ambitious goals.



Source: Federal Highway Administration, Our Nation's Highways 2000

Figure 1: Research has shown a close relationship between Vehicle Miles Traveled (VMT) and Gross Bomestic Product (GDP), both of which have grown tremendously since 1960.

How Wuch?

Funding for the initial ACTT program was a cooperative effort of AASHTO and its Technology Implementation Group (TIG), along with FHWA. The funds made available by these organizations covered invitational travel and workshop facilitation, coordination and documentation. Future ACTT workshops position the host State as the prime sponsor with funding for the workshop considered eligible for regular Federal-aid assistance. FHWA will continue to work closely with each State to develop full participation in ACTT workshops, will maintain the national roster of skill set experts and will make ACTT leadership available for workshops and related activities.

ACTT Standard Operating Procedures



Getting Ready

Step 1: The owner agency identifies a highway corridor or project as a good candidate for the application of the ACTT concept (See "Selecting the Corridor, page 13). Although ACTT may be implemented at any time during the pre-construction phase, it is most beneficial when applied during early project development, per Figure 2, below.

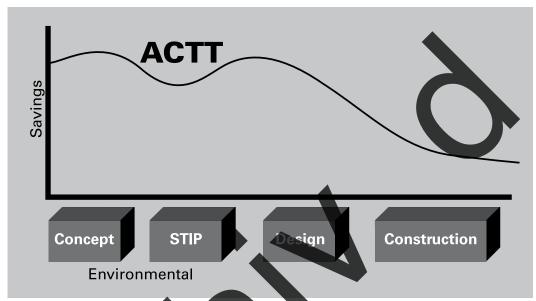


Figure 2: Benefits gained from the ACTT process are greatest when a workshop is held early in the project development phase.

Step 2: Through its FHWA division office, the owner agency advises the Accelerated Construction Management Team (Appendix A) of its intent to conduct a workshop. The purpose of a workshop is to explore innovative techniques and technologies that could help transportation agencies complete highway projects faster, safer, and with higher quality while minimizing impact on the traveling public. The workshop partners a national team of recognized transportation professionals with their local colleagues to collectively search for ways to help the host agency meet its project goals.

A typical ACTT workshop begins with an opening session on the afternoon of the first day, continues with an all-day brainstorming session on the second day, and ends with the presentation of ideas and recommendations by the skill sets on the morning of the third day. It is important to recognize that ACTT is a *process*. It builds on expertise and unconstrained brainstorming, and certain elements might vary from project to project. Appendix D includes a sample ACTT workshop agenda to use as a template for developing a workshop. The sample agenda provided permits travel for most national participants on the first and last days.

Getting Started

Step 3: The host State requests, through the FHWA division office, a ½-day meeting with one or two ACMT members. The meeting of host agency and FHWA division officials will help identify local contacts (State, FHWA, consultants, industry), select appropriate skill sets (see Appendix C), and will discuss national participation and invitational travel, funding, facilitation, documentation, workshop dates/agenda, and roles/responsibilities.

Getting Going

Step 4: Following the pre-workshop meeting, the ACTT Program Manager announces the workshop with at least 90 days lead time to the ACTT Skill Set Team Leaders, who coordinate with members of the Skill Sets Council.

Step 5: The ACMT assists the host agency in planning, facilitating and conducting the workshop.

Getting In, Staying In (and getting it done right), Getting Out, and Staying Out

Step 6: The State host captures workshop results (content and graphics) in an electronic report, using a template supplied by the ACMT. The elements of the template include:

- **▶** Executive summary
- Workshop purpose
- ▶ Project details, including cost/benefits
- Workshop meeting details
- ▶ Photos, maps, traffic volume charts, and other illustrative graphic elements
- Conclusions (including next steps and workshop expations)
- Appendices: workshop attendees, skill set reporting form

FHWA coordinates the final editing and distribution of the property of the State. FHWA also publicizes the reports on the ACTT web site to chronicle for other state holders the significant findings that can accelerate their ability to get in, get out, and state out of the construction site. Each year FHWA will analyze, summarize and publish lessons that the constructions, and trends as a knowledge management tool for practitions.

State ACTT workshop reports are available at http://www.fhwa.dot.gov/construction/accelerated.

ACTT Now: Planning Your ACTT Workshop



Selecting the Corridor

Typically, factors considered in the selection of ACTT projects include:

- Is this project a candidate for major reconstruction and/or rehabitation in the next 4-6 years?
- · Have the purpose and need been identified?
- Is there an urgent need to accelerate construction?
- · Are the project limits or boundaries still fluid?
- Is the team open to innovation and willing to consider and apply fresh concepts?

Setting Corridor Goals and Sco

Step 1: Identify the overall corridor goals and objectives, such as

- Year to begin and/or end construction
- Reduced construction time (8 years as opposed to 6 years)
- Decreased number of consultant contracts
- Decreased number of construction contracts
- Traffic flow (example 45 mph vs. 3 lane minimum performance vs. method)
- Reduced impact on major events
- Improved safety and environmental enhancement

These goals will be existed later. They are very broad at this stage: challenges to the teams.

They are local goals musting local needs.

2: Herring secific customers, including the public, property owners, business owners, police like, other emergency services and the range of stakeholders - and their expectations.

Step: Describe how this corridor (project) would be built under "normal" circumstances; this assessment will serve as a control or baseline from which to measure results.

Step 4: Capture potential impacts under normal circumstances on the traveling public, businesses, the environment, development work, emergency services and other stakeholders.

Evaluating the Workshop Budget

Budgetary items may include:

Initial visits to the host State by ACMT members (1 or 2 team members; FHWA funding) to:

- Identify appropriate skill sets (see Appendix C)
- Discuss national participation
- Develop workshop logistics and report roles/responsibilities
- Establish workshop funding

Workshop Implementation (host State funding): The workshop may be conducted at a State 907 training center or a hotel.

Facility requirements include:

- A room large enough for the entire group for the entire workshop. Total group size depends on the number of skill sets invited. Typically, 2 or 3 national participants team up with 2 or 3 local participants for each skill set. National participants may be more reinforced in certain skill sets, depending on agency needs
- Smaller breakout rooms (1 per skill set) for the second day
- AV equipment
- Workshop supplies (flip charts, markers, teps. etc.)
- One laptop and projector for the main room, the portable printer for the main room, and one laptop per skill set
- Catering of food and beverages for one evening reception, two continental breakfasts, one lunch, one dinner, and three breaks that be hosted by local industry or others)
- Registration booth and registration package including name tags, workshop agenda, project information list of attended etc.

APPENDICES



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Fax: (202)366-7660 E-mail: carol.adkins@fhwa.dot.gov The following skill sets have been highlighted in the ACTT process. They address areas common to most typical highway construction projects. Experts chosen to participate in each skill set have a wealth of knowledge in their assigned areas, are innovative in their approach to problem solving, and generously share their successes and failures with host State DOTs.

Facilitators for skill set breakout sessions are trained and experienced in meeting facilitation and are familiar with the ACTT process and objectives.

- ▶ Innovative Financing/Innovative Contracting Align financing option goals of the project by matching anticipated cash flow with project management vhile reco ing t sharing st competing priorities for existing resources. Financing tools could include tolling mechanisms, contractor financing, leveraging techniques tance. management and containment concepts. Explore state-of-th obtain a better knowledge of how these techniques could be ed, and assembled ected to match the specific situations needed on this project. to be d sidered include Tecl performance related specifications, warranties, design ild, ntain, c ate, cost + time, partnering escalation agreements, lane rental, incentive due engineering, and rincent any other innovative contracting teck would a ly to the project.
- ROW/Utilities/Railroad Coordination ight-of-w y, and RR delays seriously impact accelerated operations. More innovative soluare required for both short and long-term time sensitive construct considerations include State laws and ht-ofprocedures covering acqu ind relo on, numbers and types of businesses and residences that may be impacted, ready lability of a itional right-of-way, and sometimes, the number of outdoor advertising structure the project area. Other items to consider are industry respon ed utility agr siveness, incentive-b ents, corridor approaches to utility agreements, contracting hon-destruc ye methods of utility relocation. When applicable, close railroad for utility work, an coordination ct for construction access or work impacting the railroad lines. al for a pr
- ▶ Environment Scope a war and construction activities need to reflect environmental concerns to unsure the most accommodating and cost effective product while minimizing natural and socioesconomic impacts.
 - Geotechnical/Materials/Accelerated Testing Subsurface conditions and issues should be explored to assess their impacts on the project. Based on the geography of the project, subsurface inestigation may be complicated by traffic volume, environmental hazards, utilities, railroad property and right-of-way. Pursue options to expedite and facilitate turnaround times in material testing for material acceptance and contractor payment. The use of innovative materials should be explored and encouraged on projects to maximize the creative characteristics of the designer and contractor. By identifying project performance goals and objective, the designer and contractor have the maximum freedom to determine the appropriate methodology for constructing the project.

- **Structures** (bridges, retaining walls, culverts, miscellaneous) Accelerating the constr on of structures will require deviation from standard practices for design and co early coordination between designers and contractors. A systems approach and up" rom t will be necessary instead of emphasis on individual components. Prefabl preas incremental launching, lift-in, roll-in, etc., are systems or concepts contrib accelerating construction and should be understood and receive prior Designers have several options in structure types and material to meadesign rerements, but identifying the most accommodating system while minimizing adverse proshould be the objective.
- ▶ **Roadway/Geometric Design** Highway geometrics can getly impact project funds and integrity. Although designers may have several options precing design standard requirements, identifying the most accommodating product while minimazing across improves should be the objective.
- **Long Life Pavements/Maintenance** It is tible to acquire pavement designs approaching anted, rather than how to build the pavement. 50 to 60 years by telling the contra By identifying and communicating the pavement performance goals and objectives for the pavement, the designer and contracto mum freedom to determine the appropriate methhave the max odology. Explore the futu ance issu bn the project including winter services, traffic other concerns that may impact the operation of operations, preventativ intenanc the project features.
- Construction steelingues, automation, and constructability) Accelerated construction may press the contractor of deliber a quality product in confined time frames and areas, while maintaining trans. Completions destones and maintenance and protection of traffic are key elements visible to the transing public. Allowing contractors to have input on design elements that would impact time of quality during construction can improve the effectiveness and efficiency of the overall project completion. The use of automation to enhance construction equipment performance, construction engageering and surveying, data collection and documentation, and contract administration should be explored and implemented.
- ▶ **Public Relations** The vast majority of our nation's highway projects involve reconstruction of existing facilities under or adjacent to traffic. It's imperative to partner with local entities and effectively inform the communities and the traveling public to minimize construction delays as well as adverse socio-economic impacts.

Sample ACTT Agendas

ACTT Workshop

Sample Agenda, Accelerated Construction Technology Transfer Workshop

Date Location Phone

Day One

1:00 p.m.	Onsite registration	
2:00 p.m.	Opening Session	Moderator - ACMT
	Welcome	Local DOT Management
	Self introductions	All Participants
	Project overview (purpose, need)	DOT Project Manager
3:30 p.m.	On site orientation of the project	

Day Two

7:0 0 a.m.	Continental breakfast	
8:00 a.m.	Day Two Work Session How will it work? Brainstorming	Moderator – ACMT
S O Sanco	Convene breakout sessions	All
11.00\a.m	Receive the general group: What are we finding? (4-6 minutes per skill set)	Skill Set Speakers
12:00 p.m.	Lunch	
1:00 p.m.	Work Session (cont'd)	Moderator – ACMT
1:00 p.m.	Breakout sessions (cont'd) What have we heard?	All
2:00 p.m.	Skill set intermingling	
3:30 p.m.	Developing skill set final thoughts	
5:00 p.m.	Adjourn	

Sample ACTT Agendas

ACTT Workshop (cont.)

Sample Agenda, Accelerated Construction Technology Transfer Workshop

Date Location Phone

Day Three

7:00 a.m.	Continental breakfast	
8:00 a.m.	Day Three Work Session	Moderator – ACMT
8:00 a.m.	Finalize skill set presentations	All
8:30 a.m.	Skill set recommendations	All
10:00 a.m.	Project discussion: What We Are Hearing	All
10:30 a.m.	DOT feedback	Local DOT
11:00 a.m.	The next steps, follow of soloses	ut ACMT



Pre-Workshop Meeting

Date Location

ACTT PowerPoint presentation Overview of ACTT process, team skill sets, skill set papers, other hand outs	ACMT	20 minutes
Project overview Project description, purpose, need, scope of work, history, funding needs, controversial issues, scheduling, current status, environmental issues	DOT	40 minutes
Identify project goals/objectives What DOT hopes to achieve through application of the ACTT process	Meeting Attendees	30 minutes
Identify skill sets Not all skill sets attend all workshops. Skill sets are selected based on scope of work and Department needs	Meeting Attendees	15 minutes
Workshop dates & agenda The afternoon of their arrival, the workshop participants will be briefed on the project, take a tour of the project, and have a reception. Skill sets spend the next full day in their break out sessions, wrap up and present their recommendations the morning of the third day	Meeting Attendees	15 minutes
Break		15 minutes
Workshop facility & supplies Need a room large enough for approximately 65 people; several small breakout rooms; supplies like laptops, projectors, flip charts, name tags, etc.	Meeting Attendees	15 minutes
Workshop facilitators/note keepers East Sulfact will require a note keeper. Several fact out tors was the needed for the general session as well as the needs at a sessions	Meeting Attendees	30 minutes
Works of funding: Facility Supply Meals Travel & per diem Facilitators Documentation/reports Local travel	Meeting Attendees	30 minutes
 Discussion ▶ State/local workshop participants (number/skill set) ▶ National workshop participants (number/skill set) ▶ State contact ▶ Action plan/follow-ups/dates 	Meeting Attendees	30 minutes
Adjourn		

ACTT History

In 1996, the Transportation Research Board recommended in Special Report 249 that a strategic forum be created to promote accelerated innovation in highway industry, TRB Task Force AFH35T (formerly A5T60) was formed with the objective to:

- Facilitate removal of barriers to innovation;
- Advocate continuous quality improvement and positive change;
- Enhance safety and mobility;
- Encourage the development of strategies that generate beneficial change; and
- Create a framework for informed consideration of innovation.

Fully supporting the mission and objectives, the Federal Highway Administration and AASI TO's Technology Implementation Group (TIG) joined the Task Force in an outreach effort, which resulted in the formation of a national resource pool known as the "Skill Sets Council." The Council has a sunded to include nearly 200 recognized transportation professionals representing State departments of temporation, FHWA, the private sector, industry, and academe.

The multidiscipline Council consists of skill sets with expertise in areas like in or ave financing/innovative contracting, long-life pavements, environment, right of way, untilies, halfs. ITS technology, safety, construction, geotechnical, structures, geometrics, and public relations. The skill set team leaders are critical in forming and maintaining a quality rational team for each workshop, considering factors like scope of work, host agencies resource needs are individuals to each unity areas. After the successful completion of two ACTT pilot workshops (Indiana and Pennsylvana) in 2002, AFH35T transferred the concept to TIG and the FHWA to continue the effective conducting future workshops.

AASHTO and the FHWA joined forces to form the ACTT Main rement Nam, which delivered the ACTT work plan to the field on April 9, 2003 and partnered with the NEWA division offices and State DOTs as the momentum of workshops surged.

ACTT workshops have been project-specific and have focused on single highway project or multiple projects along the same corridor. ACTT projects have varied in size from \$1 million to more than \$2.5 billion. Most workshops have paped range construction time by 30 percent or more. While some of the workshop recommendations have been project, a large portion could potentially be applied to future projects. The ACTT was agement Team has captured all workshop results and made them available electronically at www.fh.codot.gov/construction/accelerated.

ACTT has emerged as a valid collayallable to transportation agencies as they strive to address taxpayers' chief temperatus of work zone congestion and excessive construction time. The concept is implemented through workshops that team up national transportation professionals with their local colleagues to help best agency meet its project goals. National participants are drawn from the Skill Sets Council resource goal. For each workshop, appropriate skill sets have been carefully selected based on project and host agency's needs. Two or three participants per skill set have represented the national team, on average.

The primary objective of the ACTT founders (TRB, AASHTO, FHWA) was to conduct a limited number of workshops to showcase the process and demonstrate its benefits to help promote accelerated construction concepts.

The 2005 transfer of initiative for the ACTT process to owner agencies was designed to encourage the adoption of ACTT in the project development phase as standard practice, so that it could be routinely implemented whenever and wherever appropriate.

Completed/Upcoming Workshops

States that Have Conducted ACII Workshops*			
State	Workshop Date	Construction Date	
New Jersey	July 22 and October 27, 2003	July 2005	
Texas	September 9-11, 2003**	2010	
California	December 9-11, 2003	Fiscal year 2007	
Louisiana	December 15-16, 2003**	August 2005	
Montana	January 26-28, 2004**	2004	
Washington State	March 16-18, 2004**	2008	
Tennessee	April 6-8, 2004**	April 2003	
Oklahoma	May 25-27, 2004**	Summer 2005	
Minnesota	June 14-16, 2004**	September 2005	
Wyoming	September 21-23, 2004**	Summer 2005	
New Jersey	November 16-18, 2004**	2069	
Georgia	November 30- December 2 2004	Day 2010	
Rhode Island	January 25-27, 2005	2007/2008	
Utah	February 15-17, 2005	Summer 2006	
Iowa	February 23, 2005	Spring 2006	
Nevada	March 15-17, 2005	October 2008	
Oregon	April 19 21 2005	2009	
New York State Thruway	une 12-16, 2005	March 2007	
Iowa	16, 2005 16-18, 2005	2008/2009	
Wisconsin	Sept. 13-15, 2005	2009/2010	
	-5, -55	//	

Planning ACTT Workshops **States**

State Pending Workshop Date/Status Construction Date

Hinois/Iowa Quad Cities October 11-13, 2005 2010

January 2006 w York Early 2006 Hampshire Early 2006 Ohic Early 2006

North Carolina Workshop requested New Mexico Workshop under consideration Arkans Workshop under consideration Maryland Workshop under consideration Idaho Workshop under consideration Massachusetts Workshop under consideration Maine Workshop under consideration Delaware Workshop under consideration Arizona Workshop under consideration Workshop under consideration Alaska Virginia Workshop under consideration District of Columbia Workshop under consideration

- * In addition to pilot workshops in Indiana and Pennsylvania in 2002
- ** Full workshop report for this State is available at http://www.fhwa.dot.gov/construction/accelerated/

ACTT is a partnership of:

- * AASHTO Technology Implementation Group
- * FHWA
- * Consultant Engineers and Industry

