

TCCC Pooled Fund Project – Statement of Work
Last Update 04-01-02

Project: Transportation Curriculum Coordination Council (TCCC) Training Management and Development

Problem Statement: In recent years five regional organizations were formed in various parts of the country to concentrate on training and qualifying personnel involved in highway construction activities. Earlier hurdles and common goals included addressing federal regulations, technician reciprocity, uniformity in procedures, qualifying personnel, resource sharing, and information sharing. Industry, which held many of the same interests, became partners in these efforts. While these achievements were both admirable and effective they also resulted in duplication of training development and inefficiencies in the usage of scarce State transportation department (DOT) and Industry resources. Our challenge is about work force development for a competent construction team including testers, technicians, inspectors, engineers and supervisors for both the owner and the contractor. Additionally, maintenance has also come on board as they see themselves having to contract out many of their preservation activities. The initial goal was to develop training and qualification program materials for Aggregates, Asphalt, Concrete, Embankment & Base, and In-Place Density. This was an admirable first step, however, it is to our benefit to not stop there but to continue to work together to develop qualifications and training in such areas as Managing Construction Workmanship, Geotechnical Inspection, Work Zone Traffic Control Safety, Quality Assurance Technologist, Resident Engineer Academy, and other work force development needs. We need to be assured of having a pool of qualified transportation people for every need in the materials, construction and maintenance arena now and into the future.

Description: With support from FHWA, State Transportation Agencies, Industry and the AASHTO Highway Subcommittees on Construction, Materials and Maintenance, the AASHTO Standing Committee on Highways endorsed a resolution for the development of core training materials on December 1, 2001. This pooled fund project will be administered for a 5-year period and will be used to facilitate management of the TCCC at the national level and for the development of curriculum and core training materials identified by the TCCC technical panel. The following is a list of activities that will be performed to aid in reducing duplication of efforts among the transportation industry while revising and developing identified core training materials and short courses:

- Core curriculum materials will be identified under the direction of the TCCC and fully developed under NHI contract to address national needs. Completely developed courses will offer between 80 - 90% of what regional groups, industry groups or state agencies need. Recipients may utilize core materials as developed or individually tailor the materials to meet specific needs for local or regional training programs.
- Promote uniformity in training content and qualification requirements.
- Advocate the dissemination of information among training and certifying regional and industrial organizations.

- Encourage the development and improvement of AASHTO standards and maximize their usage in training development.
- Share information on the growth and development of reciprocity among industry and state work forces.

Budget: The following is an estimated budget for TCCC activities to be performed during the five-year period. Target pooled fund activity is estimated at \$ 1 million annually.

Item	Cost Per Each (Est.) (In 1,000's)	Quantity Per Year	Annual Cost (Est.) (In 1,000's)	Five Year Cost (Est.) (In 1,000's)
# TCCC Supportive Services Contract	\$100	1	\$100	\$500
Biannual TCCC Meeting	\$15	2	\$30	\$150
Maintenance of the TCCC Website; Marketing/Piloting of Training Matls.	\$35	1	\$35	\$175
* Training Course Development	\$120 - \$150	4 - 7	\$720 - \$900	\$3,600 - \$4,500
Total (Est.)			\$1,000	\$5,000

It is desirable to have an annual obligation to this pooled fund study in the amount of \$15,000 to \$25,000 dollars or higher.

#A Supportive Services Contract to obtain an executive director for the TCCC will be developed with the assistance of FHWA's Office of Asset Management. The TCCC Executive Director will be expected to assist with the coordination and management of the following: identification of training needs; coordination and management of various technical panels; development and facilitation of the biannual meetings and follow up work plan activities and updates; maintenance of the website; revising, developing, marketing and piloting of core training materials and activities; and to provide efficient information exchange including documentation of everything the TCCC Technical Advisory Committee deems necessary. This Supportive Services Contract will be administered by HIAM-20 with technical support from the TCCC and the FHWA Resource Centers.

*Funding for the actual cost of course development is to be a pooled effort between NHI, FHWA Program Offices and this TCCC Pooled Fund Project.

Scheduling: The schedule of events are as follows:

- Continuous – Biannual meetings to monitor and direct progress of TCCC activities and to share regional and industry activities, accomplishments and training needs.
- Continuous – TCCC Supportive Services Contract, Maintenance of the TCCC Website and Marketing of Core Training Materials and TCCC Activities.
- 2002 – Accumulate TCCC Pooled Funds and Secure the 5-year TCCC Supportive Services Contract.

- 2003 – Commence Course Development as identified by the TCCC, Pilot training materials to one or two desiring state DOT's, and final delivery of training materials to TCCC Members. (Typical)
- 2004 – Continued Course Development, Piloting, and Delivery of Training Matls.
- 2005 – Continued Course Development, Piloting, and Delivery of Training Matls.
- 2006 – Continued Course Development, Piloting, and Delivery of Training Matls.
- 2007 – Continued Course Development, Piloting, and Delivery of Training Matls.

Lead/Sponsoring Agency:

Jim Sorenson

Construction and System Preservation Team Leader - FHWA

400 7th Street S.W. Room 3211, HIAM-20

Washington DC 20590

Phone 202-366-1333

James.Sorenson@fhwa.dot.gov

FHWA Technical Field Liaison:

Bryan R. Cawley

Materials Engineer

Midwestern Resource Center - FHWA

19900 Governors Drive, Suite 301

Olympia Fields, IL 60461-1021

Phone 708-283-3570

Bryan.cawley@fhwa.dot.gov

TCCC Chair:

Howe Crockett

Construction Operations Engineer – National Parks

Western Federal Lands Highway Division

610 East Fifth Street

Vancouver, WA 98661

Phone: 360-696-7750

Howe.Crockett@fhwa.dot.gov

Technical Advisory Committee / Panel:

This will be comprised of one person from each of the five technician training and certification groups (MARTCP, M-TRAC, NETTCP, SETFTTC, & WAQTC), each of the three AASHTO Highway Subcommittees (Construction, Maintenance & Materials), and industry (ACPA, AGC, ARTBA and NAPA).