

RD&T Technology Facilitation Strategy
Strategic Work zone Analysis Tools (SWAT) Program
30 May, 2000

Goal

The objective of SWAT program is to develop a suite of work zone traffic impact analysis tools, identify delay measures, and provide guidance on the inclusion of work zone operations in performance based contracts.

PRODUCT	Description	The products from this program will consist of a work zone traffic impact analysis spreadsheet, a work zone traffic impacts analysis model or simulation, a work zone strategy expert system, a cost & alternatives analysis spreadsheet, and document that provides guidance concerning the use of various delay measures to monitor works zones that are included as part of a performance based contract.
	Intended User	<ul style="list-style-type: none"> • Transportation planners • Transportation infrastructure designers • Transportation operators • Transportation Construction monitors and contractors
	Distribution Methods	Various, dependent on tool, what is used to develop it, and level of complexity. Some possibilities included: Free from FHWA Website, McTrans and PcTrans
	Alternative Format	
	Delivery Date	QuickZone, "Version 1.0" – April 2001 Other tools from Feb. 2003 to Mar. 2004
PROGRAM/ PRODUCT SUPPORT	CBU Contacts	Operations: Phil Ditzler Infrastructure: Jim Sorenson Safety: Janet Coleman Planning: Rob Draper Training: Jerry Blanding Outreach: Deborah Vocke Note: Part of the Mobility and Safety Integrated Product Team efforts
	Resource Center Contacts	Eastern Resource Center: Deborah Vocke Southern Resource Center: Frank Julian
	Division Office Contacts	Al - Joe Wilkerson, MD - Hassan Raza, Anne Hersey, IL - Dan Mathis, TX - Dave Gibbs, CA - Ken Kochevar, ND - William Brownell, VA - Ed Cordero, WI - William Bremer - LA - Mary Stringfellow, More added when steering committee and test sites chosen.
	Other Contacts	Dr. Karl Wunderlich, MitreTek Systems Inc. (QuickZone) Others when tool developers chosen
OUTREACH	Conference Presentations	TBD - possible venues - Work Zones Best Practices Work Shops, TRB, ITE, AMPO
	Publications	TBD - possible venues - FHWA News, Public Roads, Transporter, ITE Journal, ARTBA, ATSSA, AGC
	Other	National Work Zone Safety Information Clearing House, Mobility & Safety Team Web Site
TRAINING	Materials Needed	Computers that can run the various tools. Sample test data sets and instructions manual.

	Instructor Requirements	The instructors should be familiar with spreadsheet operations, traffic models and simulations, traffic impact analysis, cost and alternatives analysis, and work zone impacts and traffic operations.
	Schedule	TBD
	Audience	Mixed - planners, designers, operators, contractors, consultants
	Alternative Formats	Web based training for the less complex tools.
PROGRAM INTEGRATION	CBU Contact	Operations: Phil Ditzler Infrastructure: Jim Sorenson Safety: Janet Coleman Planning: Rob Draper ITS JPO: Mike Freitas
	Research Contact	John Harding
	Follow-up Activities	