

Appendix B

Recommended References

Appendix B - Recommended References

Procuring Agency	Source	ID	Author (Last, First, MI)	Title	Publisher	Date	Summary	Notes
Regional	TRIS Online	7	Tanner, VL	METRORAIL PROJECTS RACING TO FIND UNCERTAIN FUTURE	McGraw-Hill Companies, Incorporated	01-Sep-03	The article describes elements of each of the three projects and shows how the design-build approach permitted collaboration between contractors and the agency that resulted in efficiencies and cost savings.	
State	TRIS Online	10	Smith, NC	FEDERAL DESIGN-BUILD REGS LIMIT INNOVATIVE CONTRACTING	Public Works Financing	01-Jan-03	The FHWA rule on Design-Build-Contracting has placed significant limitations on the ability of state and local agencies. This article discusses the potential implications of this new FHWA rule for transport-related contracting and procurement.	
State	TRIS Online	13	Cox, DO; Molenaar, KR; Ernzen, JJ; Henk, G; Matthews, TC; Smith, N; Levy, A; Williams, RC; Gee, F; Kolb, J; Sanderson, L; Whited, GC; Wight, JW; Yakowenko, G	CONTRACT ADMINISTRATION: TECHNOLOGY AND PRACTICE IN EUROPE	American Trade Initiatives	01-Oct-02	This paper documents a scanning tour to Portugal, the Netherlands, France and England to investigate alternative contract administration procedures for possible implementation in the United States.	A good International reference...
State	TRIS Online	14	Mohaddes, A	COUNCIL REPORT SUMMARY: INNOVATIVE TRAFFIC CONTROL EQUIPMENT PROCUREMENT METHODS	Institute of Transportation Engineers	01-Apr-00	The report details the following equipment procurement methods: engineer/contractor, system manager, two-step methods, design/build, life-cycle costing, functionality, sole source, one-step method, public/private, design competition	This provides an overview of a lot of innovative procurement approaches...

Appendix B - Recommended References

State	TRIS Online	15	American Association of State Highway & Transp Off	ITS SOFTWARE: EFFECTIVE ACQUISITION PRACTICES	American Association of State Highway & Transp Off	01-Mar-00	This report documents and presents the results of a study of effective software acquisition practices fo ITS and software acquisition and engineering techniques that have proven to be effective in other industries.	This is an NCHRP/AASHTO product...
State	TRIS Online	19	Trombly, J; Luttrell, T	A CASE STUDY: MICHIGAN INTELLIGENT TRANSPORTATION SYSTEM CENTER, USE OF A DESIGN/BUILD/WARRANTY CONTRACT	Science Applications International Corporation	01-Mar-00	The purpose of this series is to show that other procurement options are available under Federal-aid regulations for projects that do not meet the definition of construction.	
State	TRIS Online	20	Kraft, Walter H.	PROCUREMENT OF INTELLIGENT TRANSPORTATION SYSTEMS	Parsons Brinckerhoff	01-Jan-00	This paper focuses on procurement methods for Intelligent Transportation Systems (ITS). It first identifies four major categories of procurement: engineer/contractor; design/build, system manager/system integrator, and shared resources.	This reference provides an overview of Work Structures, including Cooperative Procurement...
	TRIS Online	21	Abernethy, Bruce	QUALITY CONTROL : MAY THE ITS TASK FORCE BE WITH YOU	Kimley-Horn and Associates	01-Jan-99	This article focuses on the following elements of contracting, including contractual obligations, bidding, sales cycles communications infrastructure, and design/build projects.	
Regional	TRIS Online	24	Jakes, AS	PROCUREMENT METHODS FOR AUTOMATED GUIDEWAY TRANSIT SYSTEMS	Institute for Transportation, Incorporated	01-May-99	The objective of this article is to review currently used and recently considered procurement methods and recommend methodology for their selection depending on project requirements.	This reference attempts to do...

Appendix B - Recommended References

State	ITS Electronic Document Library	26	L.S. Gallegos & Associates, Inc.	ITS PROCUREMENT RESOURCE GUIDE Innovative Contracting Practices for ITS Task E - Final Report	L.S. Gallegos & Associates, Inc.	01-Apr-97	This report presents the results of research on procurement-related legal and non-technical issues which may be constraining the deployment of Intelligent Transportation Systems (ITS).	This article provides an overview of contract types and award methods...EDL # 2859
State	ITS Electronic Document Library	28	FHWA	PROCUREMENT INFORMATION FOR ITS PROJECTS	FHWA	01-May-97	THIS MATERIAL IS AN OVERVIEW OF THE FEDERAL PROCUREMENT REQUIREMENTS FOCUSING ON THE DESIGN-BUILD PROCUREMENT METHOD AND IT PROVIDES INFORMATION ON HOW THE METHOD CAN BE UTILIZED AS AN EFFECTIVE STRATEGY TO DEVELOP AND DEPLOY ITS INFRASTRUCTURE.	EDL#: 10639...This reference provides perspective/background...
State	Caltrans WebSite	30	Salwin, Arthur, E.	The Road to Successful ITS Software Acquisition Volume I: Overview and Themes	Federal Highway Administration	01-Jul-98	This document assembles best practices and presents practical advice on how to acquire the software components of ITS.	Report No.FHWA-JPO-98-035 - Prepared for the Federal Highway Administration by Mitretek Systems...EDL#: 4130...This reference [along w/ Vol. II) attempts to do what we want to do...This reference addresses IP Rights...
State	Caltrans WebSite	31	Salwin, Arthur, E.	The Road to Successful ITS Software Acquisition Volume II: Software Acquisition Process Reference Guide	Federal Highway Administration	01-Jul-98	This document assembles best practices and presents practical advice on how to acquire the software components of ITS.	Report No.FHWA-JPO-98-036 - Prepared for the Federal Highway Administration by Mitretek Systems...This reference [along w/ Vol. I) attempts to do what we want to do... This references addresses IP Rights...EDL#: 4131

Appendix B - Recommended References

	Transportation Libraries Catalog	39	O'Neill, Gene.	Applying DoD procurement experience to highway planning	ITS America	01-Jan-95	Meeting. Proceedings of the annual meeting of ITS America. 5th
State	NEW YORK STATE DEPARTMENT OF TRANSPORTATION	43	PARSONS BRINCKERHOFF QUADE & DOUGLAS, INC.	DESIGN-BUILD PRACTICE REPORT	NEW YORK STATE DEPARTMENT OF TRANSPORTATION	01-Sep-02	This report describes the major components of the design-build process and summarizes the practices of the various agencies utilizing design-build services. Provides a good overview of the design-build process...
State	ITS Cooperative Deployment Network (ICDN)	49		ITS Procurement Approach Overview		01-Feb-02	This eleven-page document, which was distributed at the TRB Annual meeting in an ITS procurement session, summarizes available methods that can be used to procure ITS. It also includes a four-page FHWA Memorandum entitled "ACTION: Procuring ITS Projects."
State	ITS Cooperative Deployment Network (ICDN)	50	Yermack, Larry	ITS Technology Procurement: Highlights of a Presentation at the AASHTO Advanced Transportation Systems (ATS) Subcommittee Meeting			This presentation, by ITS America's Chairman Larry Yermack, provides useful advice from the supplier perspective to any transportation agency embarking on a major ITS initiative.

Appendix B - Recommended References

Federal	ITS Cooperative Deployment Network (ICDN)	51		The Applicability of ITOP II for ITS Procurement: A discussion with ITOP Director Rebecca West	ITS Cooperative Deployment Network (ICDN)	01-Aug-01	ICDN Editor Jerry Werner recently discussed how ITOP might apply to federal/state/local ITS project procurement and administration with ITOP Director Rebecca West.	
State		53		Guideline to Managing Performance Based Operations and Maintenance Contract	Virginia Department of Transportation	01-Dec-03	This report presents an overview of the benefits and process for implementing performance based specifications in an incentive award type contract for equipment maintenance. The report provides guidelines for data collection and analysis of maintenance...	
Private	TRISOnline	58	Tanner, VL	THE NEED FOR SPEED : AUTOMAKERS TURN TO DESIGN-BUILD FOR FASTER-TO-MARKET DELIVERY	McGraw-Hill Companies, Incorporated	01-Mar-02	This article showcases the successes of two major automobile manufacturers whose design-build plants have successfully saved them money and accelerated construction times.	
State	AASHTO	60		Primer on Contracting 2000 (3rd Edition)	AASHTO	01-Oct-99	This document lists various contracting techniques that are currently being used by the states in their highway programs.	This document identifies several procurement components that we have not identified. Of particular interest, the "future techniques" presented - including: Tests for Acceptance and Prequalification-based bidding.

Appendix B - Recommended References

State		61	Carpenter, Brian	Performanced-Based Contracting for the Highway Construction Industry		01-Feb-03	This document is an evaluation of the use of innovative contracting and performace specification in highway construction.	This documents describes "Lane Rental" as an innovative contracting approach.
State		62	Yermack, Larry	Intelligent Transportation System (ITS) Software Integration Project Risks Assessment and Mitigation	AASHTO	01-Jun-02	This document identifies the use of various contract types in order to mitigate risks.	
	Non-Transportation	70	Lyons, Kevin J.	Buying for the Future: Contract Management and the Environmental Challenge	Pluto Press	01-Jan-00		
State		80	Anderson, Stuart D.	NCHRP Report 451: Guidelines for Warranty, Multi-Parameter, and Best-value Contracting	NCHRP	01-Jan-01		
State		81	Warne, Thomas R.	NCHRP Synthesis 313: State DOT Outsourcing and Private-Sector Utilization	NCHRP	01-Jan-03		

Appendix B - Recommended References

State	ITS Electronic Document Library (#13462)	90	Trombly, Jeffrey	A Case Study Chart II Software Upgrade Using a Design Competition to Procure ITS Software	USDOT	01-Mar-00	
	www.arnet.gov	95	Officer of Federal Procurement Policy	A Guide to Best Practices for Performance-based Contracting	Office of Management and Budget	01-Dec-98	This guide contains best practices that have proven useful in drafting statements of work, solicitations and quality assurance plans, and in awarding and administering performance-based service contracts.
	www.naspo.org	96	National Association of State Purchasing Officials	Buying Smart: Blueprint in Action	National Association of State Purchasing Officials	01-Dec-98	This is a report outlining procurement strategies employed by state governments in the acquisition of information technology commodities.
		99	Unisys Corporation	Measuring Performance in the Information Technology Utility	Unisys Corporation	01-Dec-02	This article discusses the importance of an integrated, rich-web performance metrics as a critical factor for managing a performance-based IT contract.

Appendix B - Recommended References

	Koch Industries	107	Carpenter, Brian/Fekpe, Edward and Gopalakrishna, Deepak	Performance-based Contracting for the Highway Construction Industry	Battelle	01-Dec-03	This paper defines performance-specification-based contracting as structuring the contract around the desired results rather than the methods that should be used.
	Booz Allen Hamilton, Inc	108	Hyman, William	Guide to Performance-based Operations Contracting	Department of Transportation	01-Dec-03	This guide provides step-by-step guidance regarding how to develop a performance-based contract for transportation operators.
	FHWA Website - http://www.fhwa.dot.gov/programadmin/contracts/coretoc.htm	116		Contract Administration Core Curriculum Participant's Manual and Reference Guide 2001 (Rev. 1)	FHWA	01-Jan-01	This manual/guide is designed to discuss contract provisions, administrative procedures, and applicable policies related to Federal-aid design and construction contracts.