Reference List TMC Operations Manual
September 2004

Operations

Kraft-Walter; Klucens-Raymond; Hartman-Michael; Levesque-Cynthia
Informational Report (ITE) ; 107. Report Number: IR107, 2001. This manual is cited as the starting point of this project. It has been cited in other documents and was the basis for development of at least three other TMC Operations Manuals. This will serve as the basis for writing a Guide for Development of a Traffic Management Center Operations Manual (the MANUAL) that is the end product of this project.

Freeway Management and Operations Handbook,
Excellent treatment of all aspects of Freeway Management. Chapt.14 concerns TMCs but is primarily addresses design and human factor elements. However, the ITE Annotated Outline for a TMC Operations Manual is cited and the document outline is reproduced. This handbook will be a valuable document in insureing that all aspects of a management center are considered in the MANUAL.

Metropolitan Transportation Management Center Concepts Of Operation, A Cross-Cutting Study On Improving Transportation Network Efficiency, Vincent Pearce No.: 10923 USDOT Pub No.: FHWA-JPO-99-020, Date: OCT 1999
Summaries from visits to 9 TMCs in North America with concise observations on successful practices, lessons learned, issues and future directions. Although not specifically giving guidance for an operator’s manual, the need for documentation is stressed and many of the observations will aid in development in the MANUAL.

This document treats performance measures of systems. Although typically the operations tasks will not develop the performance measures, the data leading to those measures are collected during operations and should be included in the MANUAL.

Transportation Management Center Concepts Of Operation, Implementation Guide
Vincent Pearce, Booz-Allen & Hamilton No.: 11494 USDOT Pub No.: FHWA-OP-99-029,DEC 1999
Related to previously cited document, this document will aid in development in the MANUAL.

Arizona DOT TOC Operations Manual ADOT Freeway Operations Manual, 2003. Detailed guidance for operations personnel. Although it is specific to the ADOT system, it provides a good treatment of the operations tasks that will be helpful. Details on some subject areas to be included in the MANUAL are presented.

Texas Highway Operations Manual TxDOT 1992. Document contains much useful information on traffic operation principals but is more of a text than an operations manual. It contains useful information that may incorporated into the MANUAL.
TransVista Operations Manual (Draft) 2004 This manual was developed by TTI for the TxDOT El Paso District Freeway Management System. *ITE annotated outline is used extensively. It is currently under review by TxDOT operations staff. The review should provide good insights from an operating agency.*


TxDOT San Antonio 1999 TransGuide Practical operating guide. Does not include all elements to be used in this project.

TxDOT Houston TransStar Incident management guidelines Informal working papers not complete but many of the concepts are in use.

Tucson Metro Area Operations Manual 2002 Internal and policies and procedures operations will have direct application to MANUAL development.

Washington State Joint Operations Policy 2002 Policy statement rather than day to day operations. Some material may have application to the MANUAL.

FDOT Regional Traffic Management Operations Manual 2002 Developed using format of ITE Recommended outline. Good practical information for operation of a freeway TMC. Internal and policies and procedures operations will have direct application to MANUAL development 2002

Developing Functional Requirements for ITS Projects Paul J. Gonzalez, Thomas B. Fowler No.: 13621 USDOT Pub No.: FHWA-OP-02-047, Apr, 2002. This document stresses the need for a systems engineering approach to development of ITS projects, in particular functional requirements. Aspects of a systems engineering approach may be applicable to development of the MANUAL.

Integrated Public Safety And Highway Operations: A Policy Framework And Analysis. Dopart-K , National Summit on Transportation Operations. Columbia, Maryland. 2001 Documentation of a National Summit which may provide general information for the MANUAL.

Traffic Management 2003
Architecture document—not directly applicable

http://www.bookcrossing.com/journal/993846
Looks promising—still trying to obtain.

Managing and Operating Integrated Transportation Management Systems: Policies, Procedures, Funding and Staffing Issues
http://www.tmcite.org/doc/Kraft-MO.doc
Article referencing ITE Outline.
The following bibliography was developed by TTI for NCHRP 20-63

**Performance Measurement**


Data Sources


