METROPOLITAN
TRANSPORTATION
COMMISSION

mobility
for the next generation

Transportation 2030 Plan for the San Francisco Bay Area

FINAL February 2005

TRANSPORTATION 2030

mtc commissioners

METROPOLITAN
TRANSPORTATION
COMMISSION

Jon Rubin, Chair
San Francisco Mayor's Appointee

John McLemore, Vice Chair
Cities of Santa Clara County

Tom Ammiano
City and County of San Francisco

Irma L. Anderson
Cities of Contra Costa County

Tom Azumbrado
U.S. Department of Housing and Urban Development

James T. Beall Jr.
Santa Clara County

Bob Blanchard
Sonoma County and Cities

Mark DeSaulnier
Contra Costa County

Bill Dodd
Napa County and Cities

Dorene M. Giacopini
U.S. Department of Transportation

Scott Haggerty
Alameda County

Anne W. Halsted
San Francisco Bay Conservation and Development Commission

Steve Kinsey
Marin County and Cities

Sue Lempert
Cities of San Mateo County

Michael D. Nevin
San Mateo County

Bijan Sartipi
State Business, Transportation and Housing Agency

James P. Spering
Solano County and Cities

Pamela Torliatt
Association of Bay Area Governments

Shelia Young
Cities of Alameda County

METROPOLITAN
TRANSPORTATION
COMMISSION

Joseph P. Bort MetroCenter
101 Eighth Street
Oakland, California 94607
TEL (510) 464-7700
TDD/TTY (510) 464-7769
FAX (510) 464-7848
E-MAIL info@mtc.ca.gov
WEB www.mtc.ca.gov

mobility
for the next generation

Transportation 2030 Plan for the San Francisco Bay Area

FINAL February 2005

TRANSPORTATION 2030

METROPOLITAN
TRANSPORTATION
COMMISSION

MTC MANAGEMENT STAFF

Steve Heminger
Executive Director

Ann Flemer
Deputy Director, Operations

Therese W. McMillan
Deputy Director, Policy

Francis Chin
General Counsel

TRANSPORTATION 2030 PROJECT STAFF

Doug Kimsey
Manager, Planning

Ashley Nguyen
Transportation 2030 Project Manager

Alix Bockelman, Tom Bryan, Melanie Choy, James Corless, Jeff Georgevich, Pierce Gould, Al Huerby, Doug Johnson, Valerie Knepper, Therese Knudsen, Nancy Okasaki, Theresa Romell, Connie Soper, Li Zhang
Project Staff

Joe Curley
Managing Editor

John Goodwin, Steve Heminger, Brenda Kahn, Doug Kimsey, Lisa Klein, Ashley Nguyen
Authors

Catalina Alvarado, Karin Betts, John Goodwin, Ellen Griffin, Brenda Kahn
Assistant Editors

Catalina Alvarado, John Goodwin, Ellen Griffin, Bruce Riordan (Elmwood Consulting), Carolyn Verheyen (Moore Iacofano Goltsman, Inc.)
Public Involvement

Peter Beeler, David Cooper, Michele Stone
Graphic Production

Peter Beeler, Garlynn Woodsong
Maps

Benjamin Espinosa, Rachel Gossen, Shimon Israel, Chuck Purvis, Rupinder Singh
Travel Data

Finger Design Associates, Oakland, CA
Design

ColorGraphics, San Francisco, CA
Printing

To order additional copies of the **Transportation 2030 Plan**, contact the MTC Library:

library@mtc.ca.gov (e-mail)
510.464.7852 (fax)
510.464.7836 (phone)

The **Transportation 2030 Plan** also is posted on MTC's Web site: www.mtc.ca.gov.

Cover photo by Sean Justice, ©Getty Images

All photographs not otherwise credited are from MTC's archives

Printed on recycled paper

table of contents

A Vision for the Future 1

Adequate Maintenance 2

System Efficiency 3

Strategic Expansion 4

Goals 9

Safety 11

Reliability 13

Access 15

Livable Communities 17

Clean Air 19

Efficient Freight Travel 21

Trends 23

Population and Employment 23

The Direction of Future Growth 24

The Nature of Travel in 2030 25

Daily Travel Patterns 28

Transportation Funding Outlook 30

Financial Foundation 33

The Down Payment 33

Funding the Transportation 2030 Vision 36

Investments and Actions 39

Adequate Maintenance

Potholes Ahead — More Local Road Dollars Needed 40

Keeping Trains and Buses Humming 42

State Highways Showing Their Age 44

System Efficiency

Squeezing Better Mileage From the Existing Network 46

Clean Air in Motion 48

Broadening Access to Mobility 50

Providing a Transportation Lifeline 52

Walk and Roll! 56

A Seamless Transit Trip 60

Enhancing Livability by Connecting Transportation and Land Use 64

Getting There Safe and Sound 66

Strategic Expansion

HOT Network Delivers Carpool Lanes And Congestion Insurance 68

MTC Resolution 3434: The Bay Area's Vision for Transit Expansion 72

Moving Goods to Market 76

Appendices 79

Appendix One — Projects by County 80

Bay Area Region/Multi-County 80

Alameda County 83

Contra Costa County 91

Marin County 97

Napa County 99

San Francisco County 100

San Mateo County 103

Santa Clara County 107

Solano County 118

Sonoma County 121

Appendix Two — MTC Transportation/ Land-Use Platform 125

Appendix Three — Transportation Control Measures (TCMs) 131

Federal TCMs 131

State TCMs 133

Appendix Four — Supplementary Reports 137

Environmental Impact Report 137

Transportation Air Quality Analysis 137

Project Notebook 137

Public Outreach and Involvement Program — Summary Reports 137

Equity Analysis Report 138

Project Performance Evaluation Report 138

Government-to-Government Consultation With Native American Tribes 139

Appendix Five — Related Plans 140

Regional Airport System Plan 140

San Francisco Bay Area Seaport Plan 141

Draft 2005 San Francisco Bay Area Ozone Strategy 141

2002 High-Occupancy-Vehicle (HOV) Lane Master Plan Update 142

Regional Bicycle Master Plan 142

Regional Intelligent Transportation Systems (ITS) Architecture and Strategic Plan 142

Regional Goods Movement Study For the San Francisco Bay Area 142