

## Table of Contents

<b>Executive Summary</b> .....	i
<b>1. Introduction</b> .....	1-1
Principles of Environmental Justice .....	1-1
OMPO’s Policy Statement for Title VI and EJ .....	1-2
Purpose of this Analysis .....	1-2
OMPO as a Metropolitan Planning Organization .....	1-2
Key Steps in Preparing the Analysis .....	1-4
Organization of this Document .....	1-4
<b>2. Environmental Justice Populations</b> .....	2-1
Defining EJ Populations .....	2-1
Minority .....	2-1
Low-Income .....	2-2
Selecting EJ Populations .....	2-6
Identifying EJ Neighborhoods Statistically .....	2-6
Identifying EJ Populations Geographically (The “OR” vs. “AND” Tests) .....	2-8
Blending 1990 and 2000 Census Data .....	2-10
Mapping Oahu’s Military Bases .....	2-10
Choosing Tools to Analyze EJ .....	2-13
<b>3. Identifying Performance Measures</b> .....	3-1
Using the Travel Demand Forecasting Model .....	3-1
Using Performance Measures .....	3-1
Selecting Performance Measures .....	3-2
<b>4. Oahu Regional Transportation Plan (ORTP)</b> .....	4-1
About the ORTP .....	4-1
Using the Travel Demand Forecasting Model .....	4-1
Application of Performance Measures .....	4-4
Mobility .....	4-4
Accessibility .....	4-5
Accessibility to Transit .....	4-7
Safety .....	4-8
Displacement .....	4-9
Equity .....	4-12
Population Policy .....	4-14
Conclusions on ORTP Compliance with Environmental Justice .....	4-17
Data Requirements from Agencies .....	4-20
<b>5. Transportation Improvement Program (TIP)</b> .....	5-1
About the TIP .....	5-1
Application of Performance Measures .....	5-1
Mobility .....	5-1
Accessibility to Transit .....	5-1
Safety .....	5-4
Displacement .....	5-4
Equity .....	5-6
Population Policy .....	5-9
Conclusions - TIP Compliance with Environmental Justice .....	5-9
<b>6. Public Involvement Program (PIP)</b> .....	6-1
Goal of the Public Involvement Program .....	6-1
Citizen Advisory Committee (CAC) .....	6-1
Public Involvement for the ORTP Update .....	6-2
Public Involvement for the TIP .....	6-3
Public Involvement for the OWP .....	6-4
Coordination with Other Public Involvement Processes .....	6-5

Recommendations for Public Involvement of EJ Populations .....	6-5
Relating the Recommendations to the Goals of Public Involvement .....	6-7
Organizations for Potential Outreach .....	6-9

**7. Conclusions and Considerations for Future**

<b>Monitoring</b> .....	7-1
ORTP .....	7-1
TIP .....	7-1
PIP .....	7-2
Involvement of the Citizen Advisory Committee .....	7-2
OMPO Actions When EJ Inequities are Found .....	7-3
OMPO’s Response to an Environmental Justice Complaint .....	7-3
OMPO EJ Monitoring Plan .....	7-4
Additional Populations for Future Consideration .....	7-5
Extension of EJ Identification .....	7-7
Evaluation of TIP Projects using the Travel Demand Forecasting Model .....	7-8
Development Plans and Sustainable Community Plans ..	7-8

**List of Tables**

1 EJ Populations Selected for Oahu .....	2-7
2 Performance Measures for Title VI and Environmental Justice Monitoring .....	3-4

**List of Figures**

1 Minority Population Distribution, 1990, Oahu .....	2-2
2 Minority Population Level in 1990 Census Block Groups .....	2-3

3 Low Income Persons Living in Households with Incomes at/or Below the Poverty Level in 1990 Census Block Groups .....	2-4
4 Low Income Persons Living in Households with Incomes at/or Below the Poverty Level in 1990 Census Block Groups .....	2-5
5 EJ Neighborhoods: Minority OR Low-Income - 1990 ..	2-9
6 EJ Populations: Minority AND Low-Income - 1990 ..	2-11
7 Composite Map with 2000 Minority and 1990 Low-Income .....	2-12
8 ORTP Project Location Map .....	4-2
9 AM Peak Travel Time Differences Between Base Case with ORTP Vs. Without ORTP Improvements ....	4-6
10 Distribution of ORTP Dollars Programmed for Safety Improvements by Census Block Group .....	4-10
11 Crash Rate by Census Block .....	4-11
12 ORTP Network-Based Project Costs by Census Block Group .....	4-13
13 ORTP Spot Project Costs by Census Block Group ....	4-15
14 ORTP Project Costs for Network-Based and Spot Projects by Census Block Group .....	4-16
15 Islandwide Population for the Year 2010 by Development Plan Areas .....	4-18
16 Percent of ORTP Dollars Programmed by Development Plan Areas .....	4-19
17 2000-2002 TIP Project Location Map .....	5-2
18 Distribution of TIP Dollars Programmed for Safety Improvements by Census Block Group .....	5-5
19 Percent of TIP Project Dollars Programmed for Right-of-Way Improvements for EJ and Non-EJ Census Block Groups ..	5-7
20 Percent of TIP Dollars Programmed by Census Block Group ..	5-8
21 Percent of TIP Dollars Programmed by Development Plan Areas .....	5-10

**Appendices**

**Appendix A** - Environmental Justice Mandates (Excerpts)  
..... A-1

**Appendix B** - Using Demographic Data from the U.S.  
Census ..... B-1

**Appendix C** - Applying Performance Measures ..... C-1

**Appendix D** - Best Practices for General Data HandlingD-1