This project is partially funded by a grant from the Transportation and Growth Management (TGM) Program, a joint program of the Oregon Department of Transportation and the Oregon Department of Land Conservation and Development. This TGM grant is financed, in part, by federal Transportation Equity Act for the 21st Century (TEA-21), local government, and the State of Oregon funds. The contents of this document do not necessarily reflect views or policies of the State of Oregon.
PROJECT DIRECTORY

Lou Stine
Wheeler City Council
P.O. Box 93
Wheeler, OR 97147
Ph: (503) 368-7648
Email: stine97@nehalemtel.net

Curt Lorenz
Wheeler Planning Commission
P.O. Box 2
Wheeler, OR 97147

Peg Miller
P.O. Box 338
Wheeler, OR 97147

Dennis Lancaster
Wheeler City Manager
P.O. Box 177
Wheeler, OR 97147
Ph: (503) 368-5767
Fx: (503) 368-4273
Email: dlancaster@nehalemtel.net

Ken Painter
Wheeler Public Works
P.O. Box 177
Wheeler, OR 97147
Ph: (503) 368-5767
Fx: (503) 368-4273

Jack Crider
Port of Tillamook
4000 Blimp Blvd.
Tillamook, OR 97141
Ph: (503) 842-2413

Larry Ksionzyk
DLCD
635 Capitol Street NE, Ste. 150
Salem, OR 97301
Ph: (503) 373-0050 x278
Fx: (503) 378-2687
Email: Larry.Ksionzyk@state.or.us

Steve Jacobson
ODOT Planner
455 Airport Road SE
Salem, OR 97310

Julie Warncke
ODOT Region 2 Headquarters
455 Airport Road SE
Salem, OR 97310
Ph: (503) 986-5751
Email: Julie.H.Warncke@odot.state.or.us

Howard Stein, PE
CTS Engineers, Inc.
3300 NW 211th Terrace
Hillsboro, OR 97124
Ph: (503) 690-8080
Fx: (503) 645-5500
Email: hstein@ctsengineers.com

Larry Lewis, AICP
TriLand Design Group, Inc.
10260 SW Nimbus Avenue, M4
Tigard, OR 97223
Ph: (503) 968-6589
Fx: (503) 968-7439
Email: lbl-tri@ipinc.net

Jim Goble
Nehalem Bay Wastewater Agency
P.O. Box 219
Nehalem, OR 97131
Ph: (503) 368-5125
Fx: (503) 368-7211
Email: nbwa@pdx.oneworld.com

TriLand Design Group, / CTS Engineers

00029/TSP TITLE-TAC-CONTENTS
# Wheeler Transportation System Plan

## 2000-2001

## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td><strong>INTRODUCTION</strong></td>
<td>I-1</td>
</tr>
<tr>
<td></td>
<td>Project Description</td>
<td>I-1</td>
</tr>
<tr>
<td></td>
<td>Project Area</td>
<td>I-1</td>
</tr>
<tr>
<td></td>
<td>Planning Process</td>
<td>I-1</td>
</tr>
<tr>
<td></td>
<td>Public Involvement Process</td>
<td>I-2</td>
</tr>
<tr>
<td>II</td>
<td><strong>PLANS AND POLICIES REVIEW</strong></td>
<td>II-1</td>
</tr>
<tr>
<td></td>
<td>Wheeler Comprehensive Plan</td>
<td>II-1</td>
</tr>
<tr>
<td></td>
<td>Wheeler Zoning Ordinance</td>
<td>II-5</td>
</tr>
<tr>
<td></td>
<td>Resource Team Report for Wheeler by the Bay, Oregon</td>
<td>II-7</td>
</tr>
<tr>
<td></td>
<td>Waterfront Development Plan for the City of Wheeler</td>
<td>II-8</td>
</tr>
<tr>
<td></td>
<td>Port of Nehalem Master Plan</td>
<td>II-9</td>
</tr>
<tr>
<td></td>
<td>Port of Tillamook Bay Railroad Transportation Plan</td>
<td>II-9</td>
</tr>
<tr>
<td></td>
<td>Neahkahnie School District</td>
<td>II-9</td>
</tr>
<tr>
<td></td>
<td>Economic Development Plans</td>
<td>II-9</td>
</tr>
<tr>
<td></td>
<td>Wetlands Inventory</td>
<td>II-9</td>
</tr>
<tr>
<td></td>
<td>1999 Oregon Highway Plan</td>
<td>II-10</td>
</tr>
<tr>
<td></td>
<td>Transportation Planning Rule</td>
<td>II-12</td>
</tr>
<tr>
<td></td>
<td>Pacific Coast Scenic Byway Management Plan for Highway 101 and Scenic Byway Management Plan for the Nehalem, Tillamook, and Nestucca Regions of the U.S. 101 Corridor in Oregon</td>
<td>II-12</td>
</tr>
<tr>
<td></td>
<td>Proposed Oregon Coast Highway Corridor Master Plan</td>
<td>II-14</td>
</tr>
<tr>
<td></td>
<td>Statewide Transportation Improvement Program (STIP)</td>
<td>II-14</td>
</tr>
<tr>
<td>III</td>
<td><strong>EXISTING TRANSPORTATION INVENTORY</strong></td>
<td>III-1</td>
</tr>
<tr>
<td></td>
<td>Summary</td>
<td>III-1</td>
</tr>
<tr>
<td></td>
<td>Land Uses</td>
<td>III-2</td>
</tr>
<tr>
<td></td>
<td>Roadway Characteristics Along Highway 101</td>
<td>III-2</td>
</tr>
<tr>
<td></td>
<td>Local Street System</td>
<td>III-2</td>
</tr>
<tr>
<td></td>
<td>Pedestrian and Bicycle Facilities</td>
<td>III-2</td>
</tr>
<tr>
<td></td>
<td>Transit Facilities</td>
<td>III-2</td>
</tr>
<tr>
<td></td>
<td>Water Transportation</td>
<td>III-3</td>
</tr>
<tr>
<td></td>
<td>Rail</td>
<td>III-3</td>
</tr>
<tr>
<td></td>
<td>Pipelines</td>
<td>III-3</td>
</tr>
<tr>
<td></td>
<td>Existing Traffic Volumes and Peak Hour Opportunities</td>
<td>III-3</td>
</tr>
<tr>
<td></td>
<td>Table III-1: December 2000 Current Levels of Service</td>
<td>III-4</td>
</tr>
<tr>
<td></td>
<td>Table III-2: August 2000 Levels of Service</td>
<td>III-4</td>
</tr>
<tr>
<td></td>
<td>Traffic Safety</td>
<td>III-4</td>
</tr>
<tr>
<td></td>
<td>Parking</td>
<td>III-5</td>
</tr>
<tr>
<td></td>
<td>Other Transportation Issues</td>
<td>III-5</td>
</tr>
<tr>
<td></td>
<td>Wheeler Highway 101 Street Inventory</td>
<td>III-7</td>
</tr>
<tr>
<td></td>
<td>City Street Map</td>
<td>III-8</td>
</tr>
<tr>
<td></td>
<td>Local Street Inventory</td>
<td>III-9</td>
</tr>
<tr>
<td></td>
<td>Figure 1: Study Area</td>
<td>III-11</td>
</tr>
<tr>
<td></td>
<td>Figure 2: Winter Counts (December 2000)</td>
<td>III-12</td>
</tr>
<tr>
<td></td>
<td>Figure 2A: Summer Weekend Counts (August 2000)</td>
<td>III-13</td>
</tr>
<tr>
<td></td>
<td>Figure 3: Recent Accidents 1/97 Through 12/99</td>
<td>III-14</td>
</tr>
<tr>
<td></td>
<td>Existing Street Photographs</td>
<td>III-15</td>
</tr>
</tbody>
</table>
IV. EXISTING DEFICIENCIES AND ESTIMATE FUTURE TRANSPORTATION NEEDS

Estimated 30th Highest Hourly Volume

Table IV-1: Levels of Service for Current 30th Highest Volumes

Growth in Traffic Along Highway 101

Growth in Local Traffic Due to Residential Development

Table IV-3: Estimate of Saturday Trip Generation for Planned Developments

Future 2020 Traffic Volumes and Traffic Operations

Table IV-4: Levels of Service for Future (2020) Yearly 30th Highest Hour Volumes

Table IV-5: Results of Left Turn Warrant Analyses for Intersections Along Hwy. 101

Table IV-6: Results of Right Turn Warrant Analyses for Intersections Along Hwy. 101

Figure IV-1: Summer 2000 Count and Estimated Volumes

Figure IV-2: Location and Travel Patterns To/From Future Developments

Figure IV-3: City of Wheeler Traffic Model

Figure IV-4: Projected 2020 Volumes (Yearly 30th Highest Hour)

Figure IV-5: Parking at Gregory Street and Rorvik Street

Figure IV-6: Highway 101 at Rector Street

Special Transportation Area (STA) Evaluation Matrix

V. DEVELOP AND EVALUATE TRANSPORTATION SYSTEM ALTERNATIVES...

Identification and Descriptions of Alternative Transportation Improvement Projects

Highway 101/Downtown Existing Conditions and Alternative Concept Plans 1-4

Local Street Network

Pedestrian and Bicycle System

Street Design Standards

Site Specific Transportation Improvement Projects

VI. TRANSPORTATION SYSTEM PLAN

Streets Plan Element

Functional Street Classification

Functional Street Classification

Street Design Standards

Street Design Standards Sections

Street Maintenance

Access Management

Highway 101-Downtown Improvements

Local Street Network Connections

Site Specific Street-Related Improvement Projects

Citywide/UGB Street-Related Policies

Local Street Network Connections and Site Specific Projects Plan

Public Transportation

Pedestrian and Bikeway System Element

Proposed Pedestrian System

Rail, Water, Pipeline, and Air Transportation System Element

Transportation System and Demand Management Element

Transportation System Management

Transportation Demand Management
VII. POTENTIAL IMPLEMENTATION MECHANISMS ........................................ V:1
   Revenue Resources ................................................................. VII-1
   Grants and Loans ................................................................. VII-3
   ODOT Funding Sources ....................................................... VII-5
   Volunteer Labor and Material Donation ................................. VII-7
   Wheeler Transportation System Plan Project List ................. VII-8

VIII. RECOMMENDED POLICIES AND ORDINANCES ............................... VIII-1
   Introduction ................................................................. VIII-1
   Elements Required by the Transportation Planning Rule .... VIII-1
   Recommended Wheeler Comprehensive Plan Transportation Policy Amendments ........ VIII-3
   Recommended Wheeler Zoning Ordinance Amendments .......... VIII-8

APPENDICES
   Appendix A. Transportation Planning Rule Compliance
   Appendix B. Recorder: Rockaway, 29-001
   Appendix C. Trip Generation Worksheets